

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
 Data File : VW013951.D
 Acq On : 08 Nov 2019 18:03
 Operator : SY/VA
 Sample : K5742-12MSD
 Misc : 5.83G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 12:58:58 PM

Quant Time: Nov 09 04:18:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	301198	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445314	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	380826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	190073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	124123	54.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.86%	
35) Dibromofluoromethane	7.88	113	130183	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
50) Toluene-d8	10.32	98	540601	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
62) 4-Bromofluorobenzene	12.62	95	181868	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	77718	48.978	ug/l	99
3) Chloromethane	2.21	50	83800	49.140	ug/l	97
4) Vinyl Chloride	2.37	62	133919	51.999	ug/l	99
5) Bromomethane	2.78	94	85382	50.409	ug/l	98
6) Chloroethane	2.92	64	84709	54.357	ug/l	96
7) Trichlorofluoromethane	3.26	101	88515	55.025	ug/l	94
8) Diethyl Ether	3.68	74	71713	55.179	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	127932	48.920	ug/l	98
10) Methyl Iodide	4.27	142	220074	51.643	ug/l	99
11) Tert butyl alcohol	5.16	59	46527	344.937	ug/l	99
12) 1,1-Dichloroethene	4.04	96	136918	50.686	ug/l	95
13) Acrolein	3.89	56	33425	216.296	ug/l	95
14) Allyl chloride	4.67	41	219468	52.837	ug/l	98
15) Acrylonitrile	5.36	53	148380	280.777	ug/l	98
16) Acetone	4.12	43	125884	262.762	ug/l	96
17) Carbon Disulfide	4.38	76	376371	48.515	ug/l	98
18) Methyl Acetate	4.67	43	93745	71.383	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	185899	57.348	ug/l	98
20) Methylene Chloride	4.92	84	151102	58.094	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	147212	50.634	ug/l	99
22) Diisopropyl ether	6.31	45	425202	56.119	ug/l	98
23) Vinyl Acetate	6.25	43	969948	220.627	ug/l	99
24) 1,1-Dichloroethane	6.21	63	250434	52.190	ug/l	99
25) 2-Butanone	7.16	43	188127	273.135	ug/l	92
26) 2,2-Dichloropropane	7.16	77	136831	49.313	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	160755	52.056	ug/l	98
28) Bromochloromethane	7.51	49	91719	53.551	ug/l #	100
29) Tetrahydrofuran	7.52	42	126151	295.838	ug/l	99
30) Chloroform	7.68	83	242514	51.125	ug/l	97
31) Cyclohexane	7.95	56	238311	47.456	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	193564	51.999	ug/l	99
36) 1,1-Dichloropropene	8.08	75	199557	48.118	ug/l	98
37) Ethyl Acetate	7.24	43	80875	50.943	ug/l	100
38) Carbon Tetrachloride	8.07	117	176508	47.263	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	259286	48.413	ug/l	98
40) Benzene	8.32	78	579429	49.369	ug/l	99
41) Methacrylonitrile	7.48	41	47446	47.926	ug/l	98
42) 1,2-Dichloroethane	8.40	62	146241	49.446	ug/l	99
43) Isopropyl Acetate	8.42	43	163764	53.891	ug/l	98
44) Trichloroethene	9.09	130	165503	49.228	ug/l	97
45) 1,2-Dichloropropane	9.37	63	142830	50.949	ug/l	99
46) Dibromomethane	9.46	93	67920	49.917	ug/l	99
47) Bromodichloromethane	9.64	83	173994	49.422	ug/l	96
48) Methyl methacrylate	9.43	41	78147	51.858	ug/l	93
49) 1,4-Dioxane	9.45	88	25329	1259.753	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	412053	272.876	ug/l	99
52) Toluene	10.38	92	380799	50.299	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	182670	51.254	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	222989	50.712	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	102981	50.784	ug/l	97
56) Ethyl methacrylate	10.65	69	133824	52.747	ug/l	98
57) 1,3-Dichloropropane	10.93	76	179662	51.629	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	327985	280.893	ug/l	100
59) 2-Hexanone	10.97	43	285431	274.186	ug/l	98
60) Dibromochloromethane	11.13	129	118260	49.118	ug/l	99
61) 1,2-Dibromoethane	11.23	107	96787	50.450	ug/l	100
64) Tetrachloroethene	10.86	164	138476	47.592	ug/l	99
65) Chlorobenzene	11.66	112	385295	49.235	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	138380	50.667	ug/l	98
67) Ethyl Benzene	11.73	91	706140	50.042	ug/l	100
68) m/p-Xylenes	11.84	106	549201	100.737	ug/l	98
69) o-Xylene	12.16	106	252559	50.399	ug/l	99
70) Styrene	12.18	104	434381	50.451	ug/l	98
71) Bromoform	12.35	173	71403	49.819	ug/l	96
73) Isopropylbenzene	12.46	105	707723	51.849	ug/l	100
74) N-amyl acetate	12.27	43	136974	51.875	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	116218	53.955	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	87131m	63.833	ug/l	
77) Bromobenzene	12.74	156	167166	51.266	ug/l	98
78) n-propylbenzene	12.80	91	806113	51.024	ug/l	100
79) 2-Chlorotoluene	12.89	91	455596	51.315	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	594608	51.604	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37840	52.390	ug/l	99
82) 4-Chlorotoluene	12.99	91	468807	50.296	ug/l	98
83) tert-Butylbenzene	13.21	119	525167	51.346	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	598619	52.665	ug/l	99
85) sec-Butylbenzene	13.38	105	712631	50.952	ug/l	98
86) p-Isopropyltoluene	13.50	119	662907	50.881	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	315630	49.959	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	312093	49.725	ug/l	99
89) n-Butylbenzene	13.82	91	593849	50.498	ug/l	100
90) Hexachloroethane	14.09	117	111247	49.125	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	279427	51.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17918	55.011	ug/l	97

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QLast Update : Wed Oct 23 14:11:46 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	202772	50.863	ug/l	100
94) Hexachlorobutadiene	15.24	225	133778	49.707	ug/l	98
95) Naphthalene	15.36	128	365073	58.407	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	173748	50.579	ug/l	99

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

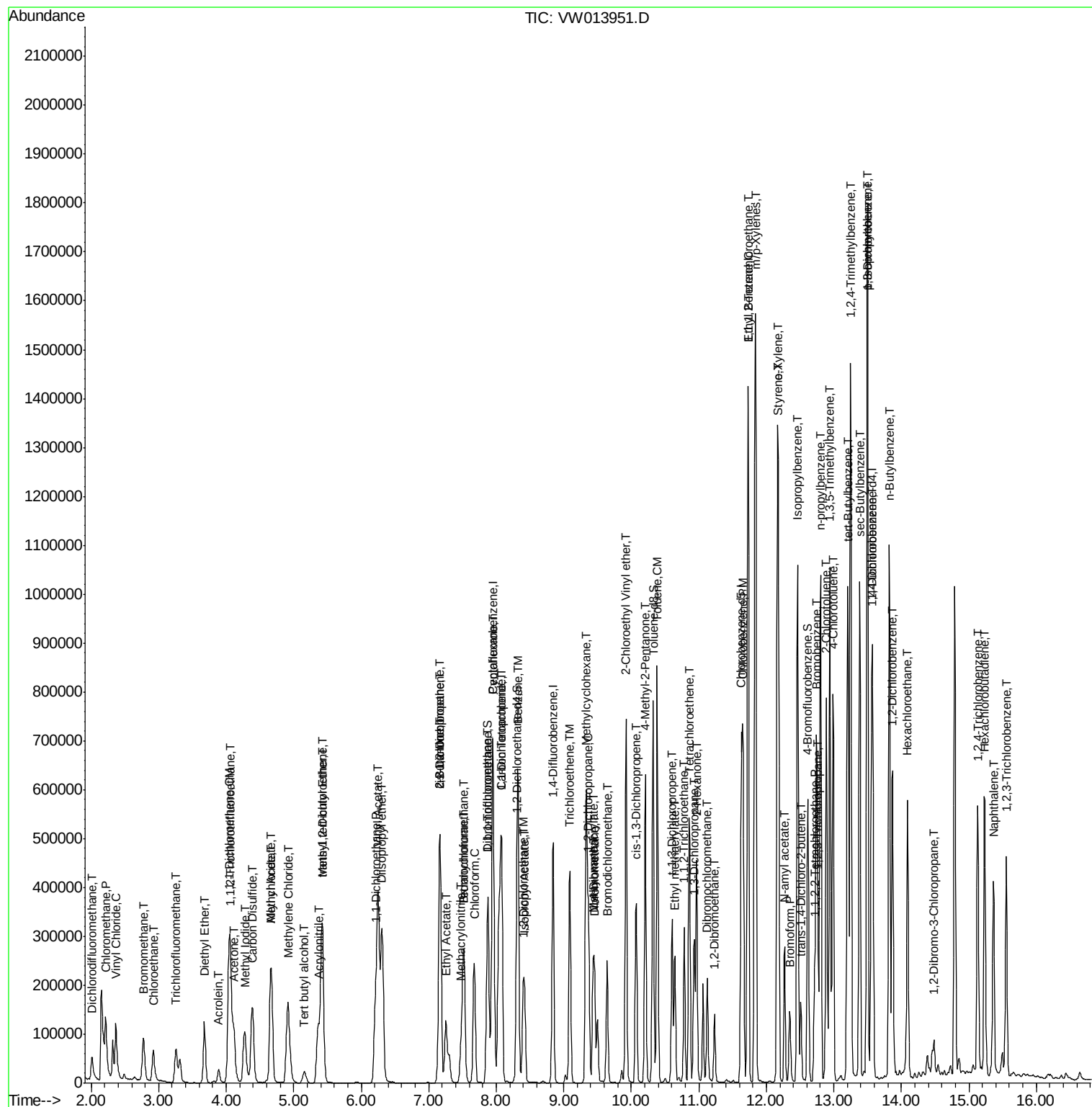
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110819\
 Data File : VW013951.D
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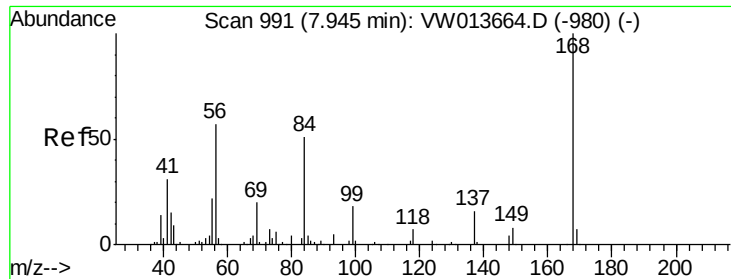
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tot Ion:168 Resp: 301198

Ion Ratio Lower Upper

168 100

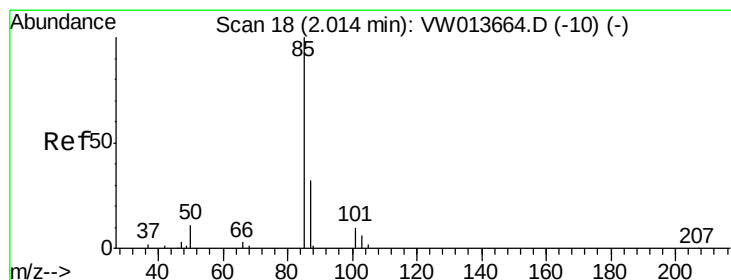
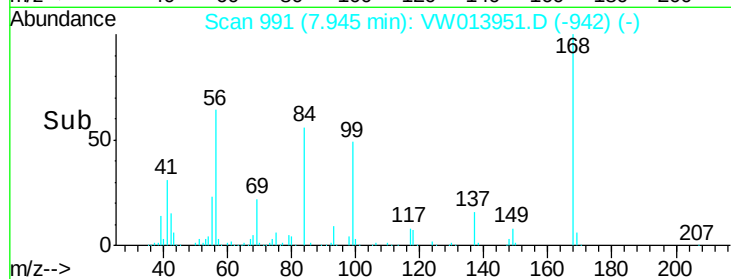
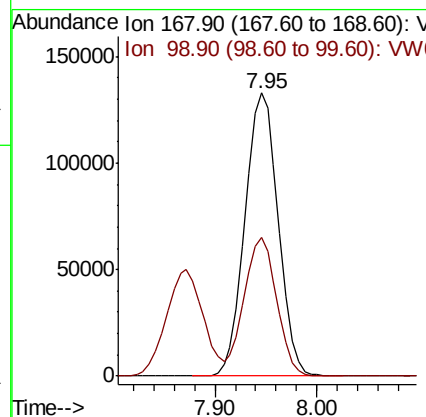
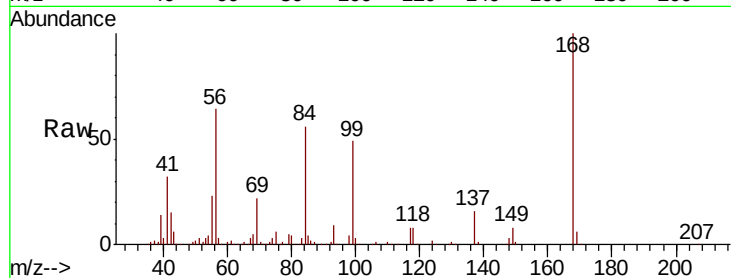
99 48.9 39.0 58.6

Manual Integrations

APPROVED

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11/12/2019 12:58:58 PM



#2

Dichlorodifluoromethane

Concen: 48.978 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013951.D

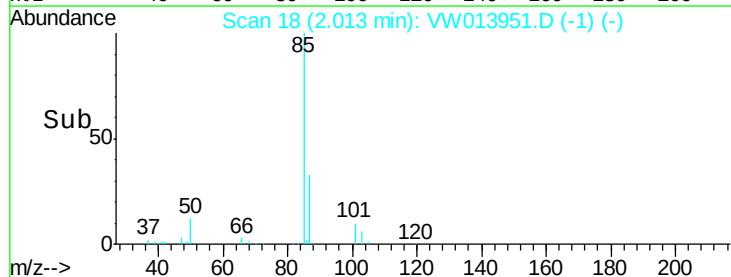
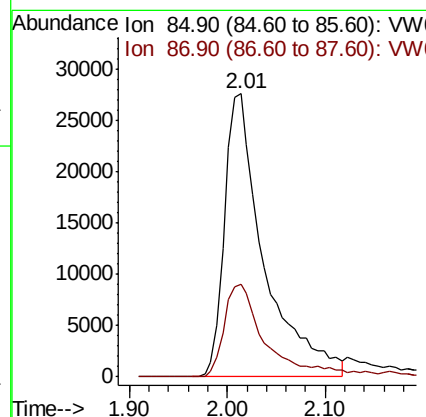
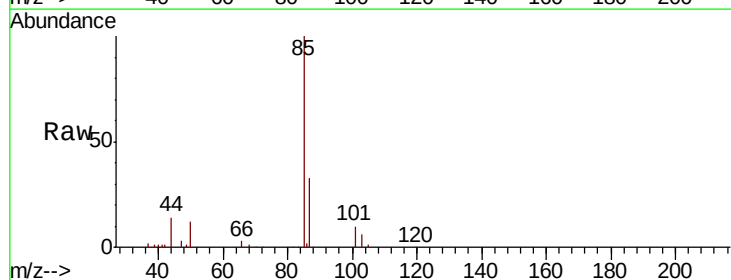
Acq: 08 Nov 2019 18:03

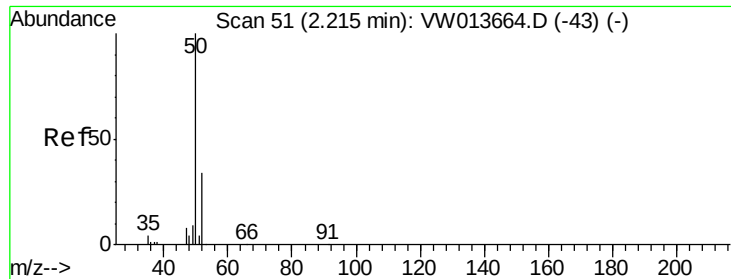
Tgt Ion: 85 Resp: 77718

Ion Ratio Lower Upper

85 100

87 32.7 16.0 48.0





#3

Chloromethane

Concen: 49.140 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tot Ion: 50 Resp: 83800

Ion Ratio Lower Upper

50 100

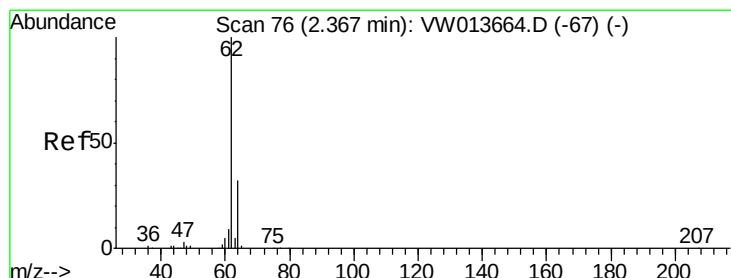
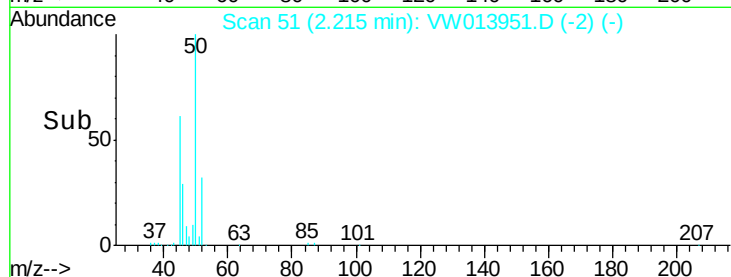
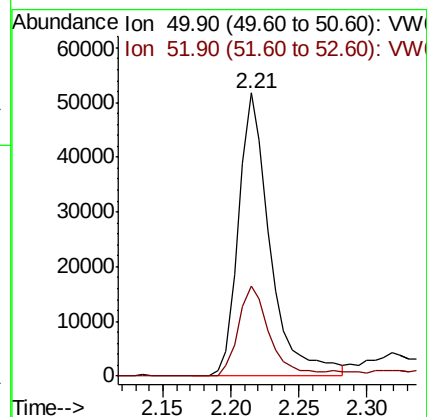
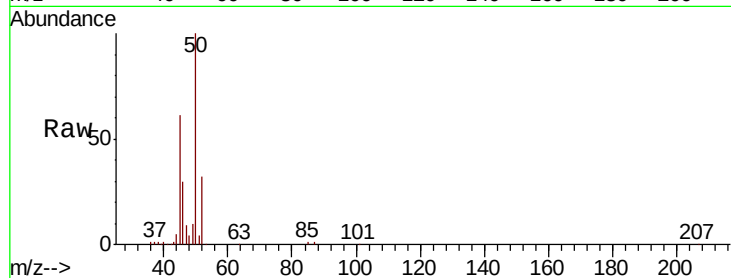
52 31.8 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.999 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013951.D

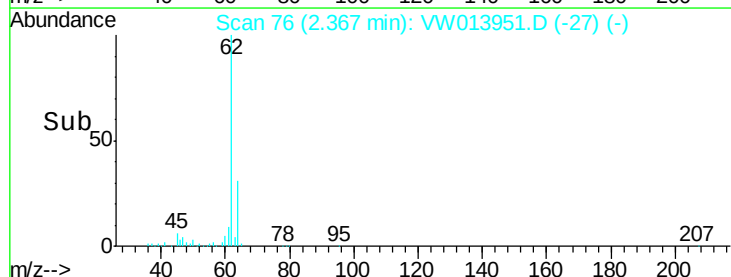
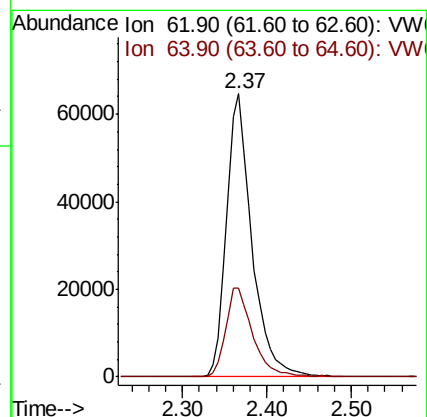
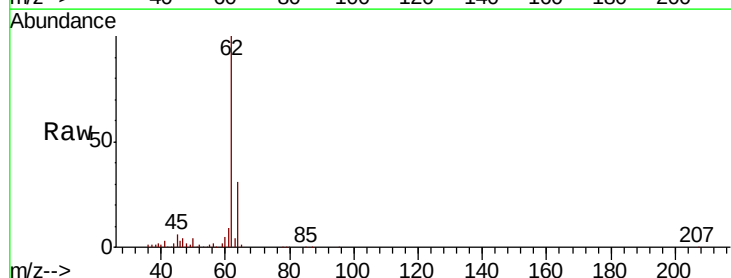
Acq: 08 Nov 2019 18:03

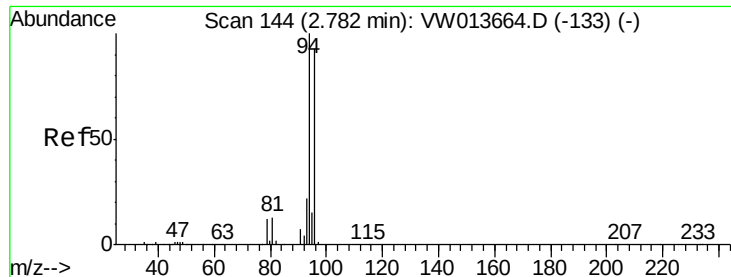
Tgt Ion: 62 Resp: 133919

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3





#5

Bromomethane

Concen: 50.409 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tot Ion: 94 Resp: 85382

Ion Ratio Lower Upper

94 100

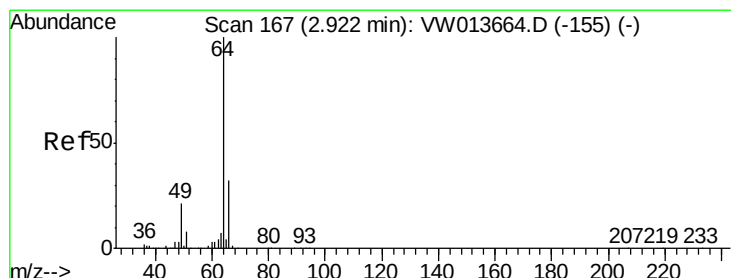
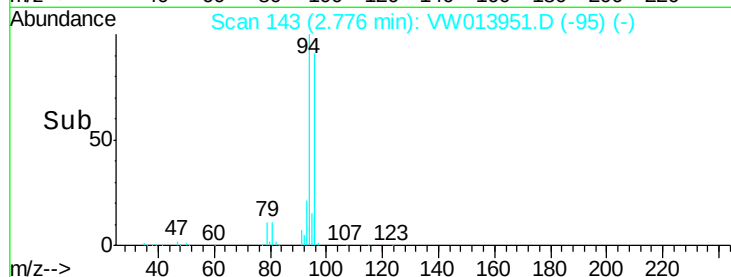
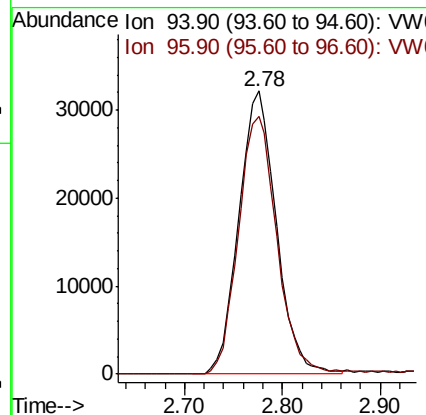
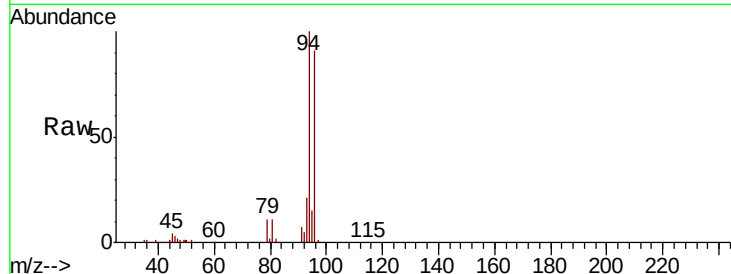
96 91.1 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 54.357 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013951.D

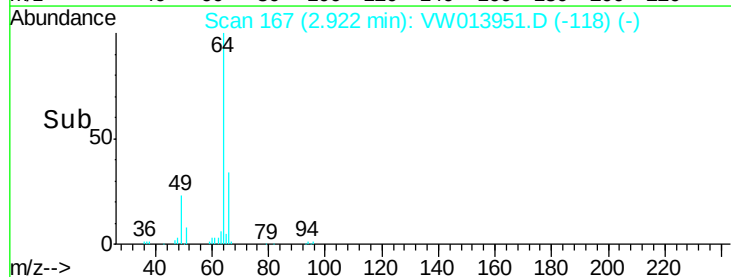
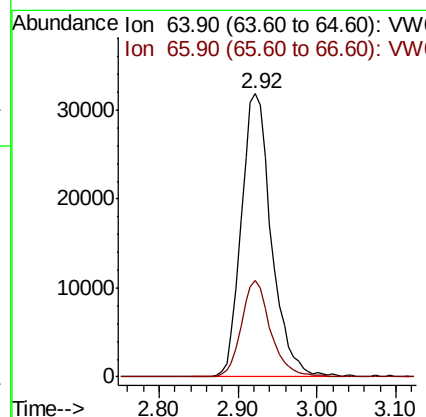
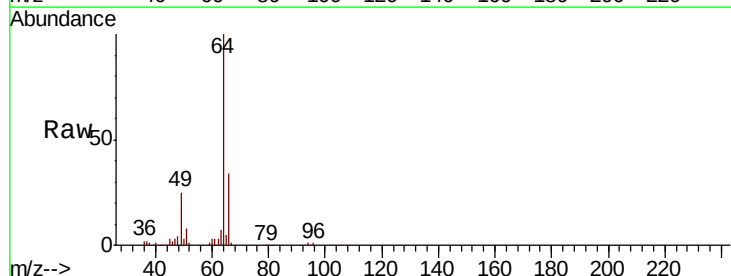
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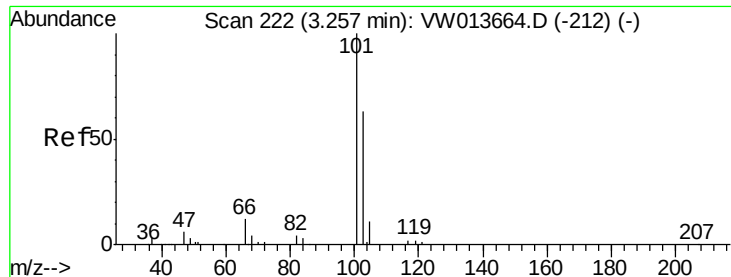
Tgt Ion: 64 Resp: 84709

Ion Ratio Lower Upper

64 100

66 33.9 25.4 38.0





#7

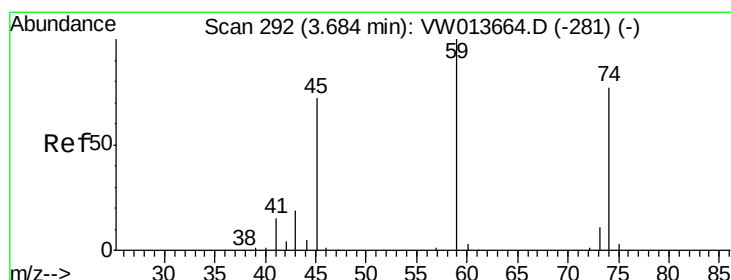
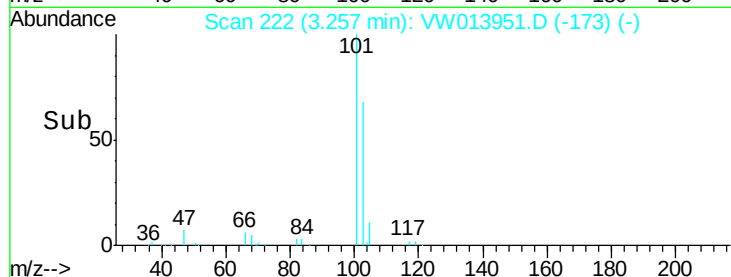
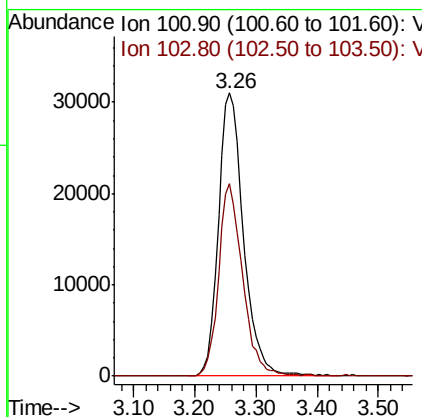
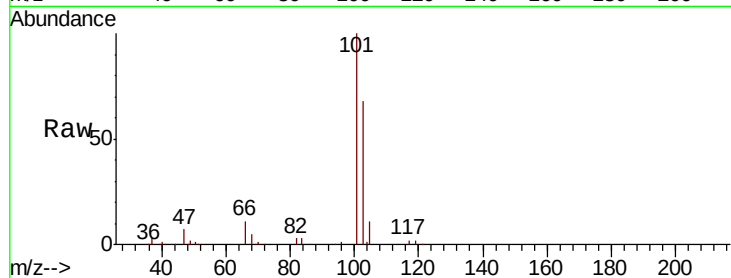
Trichlorofluoromethane
Concen: 55.025 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
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ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.1	50.6	76.0

Manual Integrations
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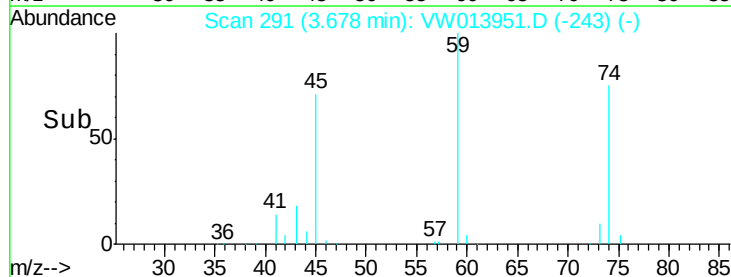
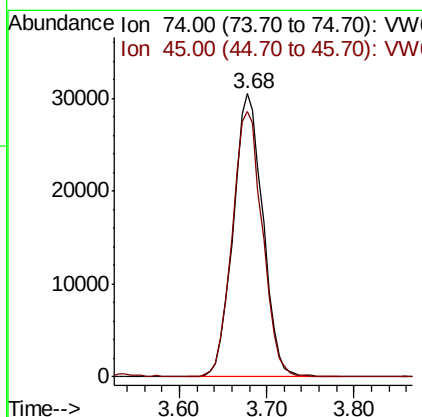
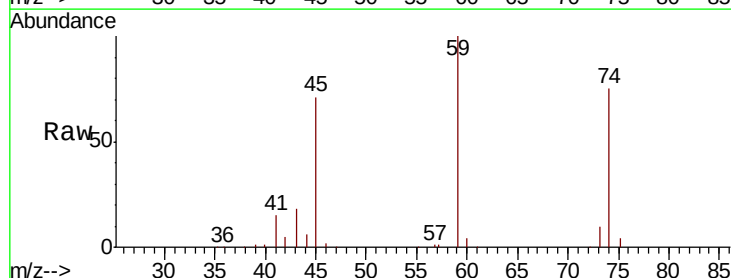
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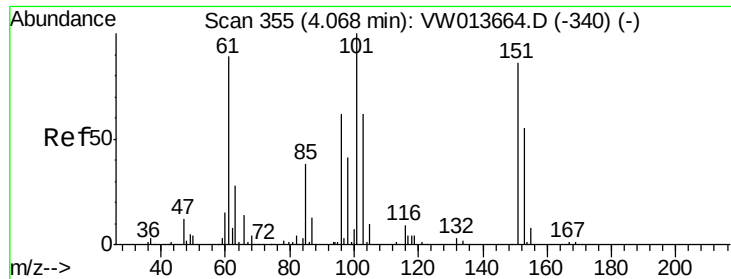


#8

Diethyl Ether
Concen: 55.179 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.920 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

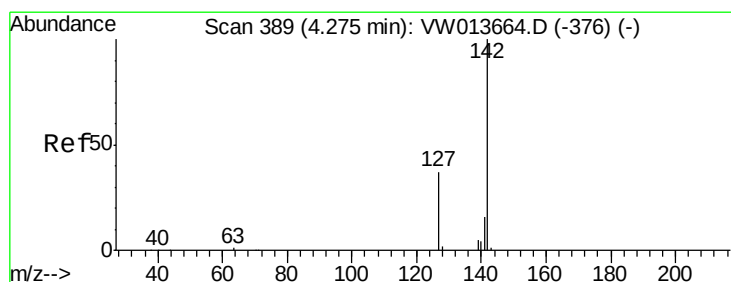
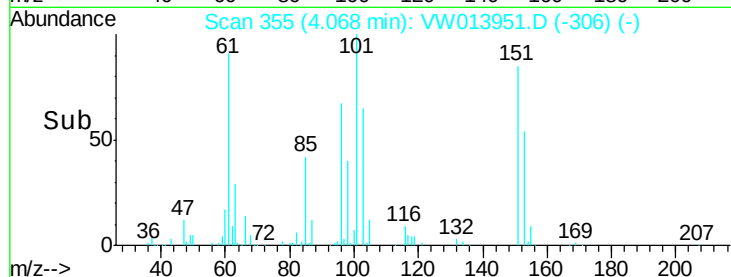
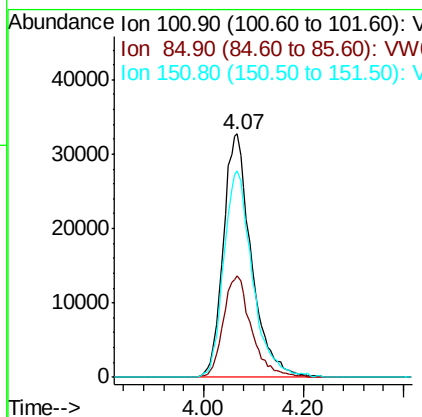
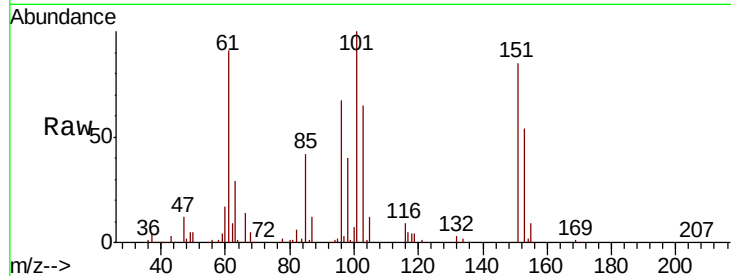
ClientSampleId :

SB-38-(2-4)MSD

Tot Ion:	101	Resp:	127932
Ion Ratio	Lower	Upper	
101	100		
85	41.8	31.0	46.6
151	86.5	68.2	102.4

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#10

Methyl Iodide

Concen: 51.643 ug/l

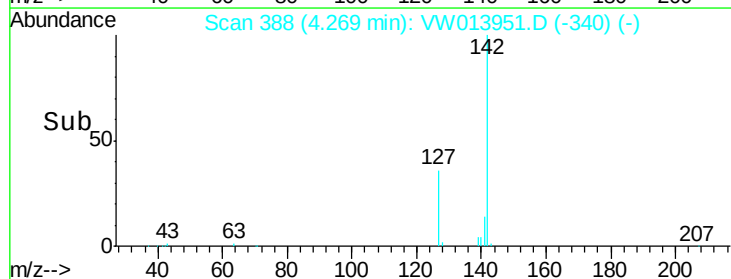
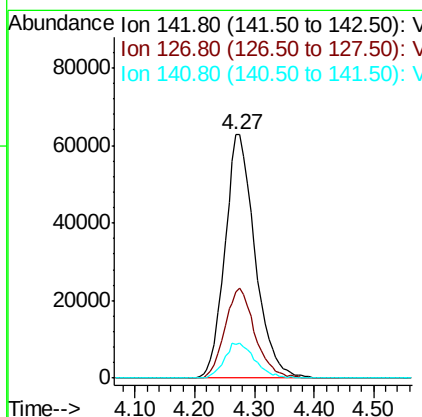
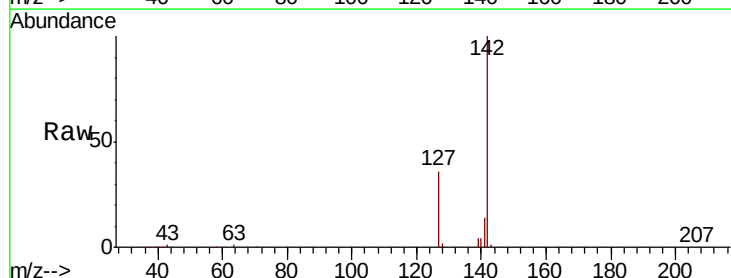
RT: 4.27 min Scan# 388

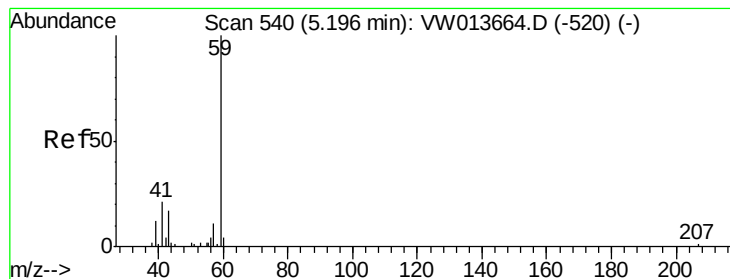
Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Tgt Ion:	142	Resp:	220074
Ion Ratio	Lower	Upper	
142	100		
127	36.9	30.3	45.5
141	14.7	11.8	17.8





#11

Tert butyl alcohol

Concen: 344.937 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.04 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tot Ion: 59 Resp: 46527

Ion Ratio Lower Upper

59 100

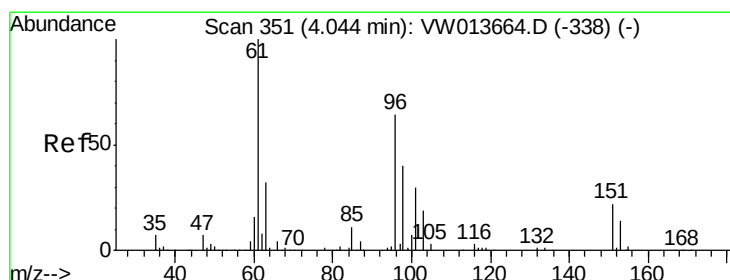
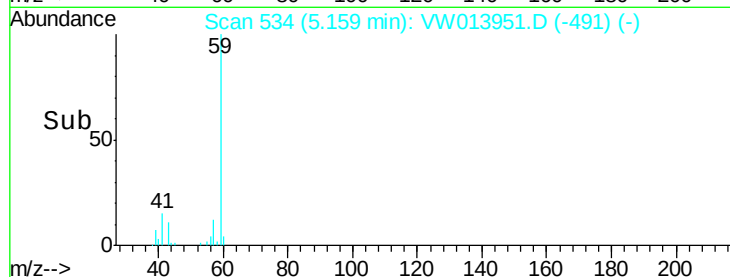
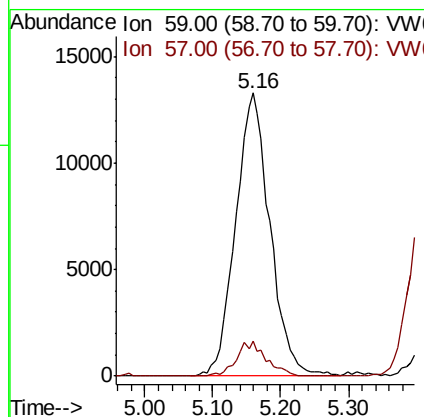
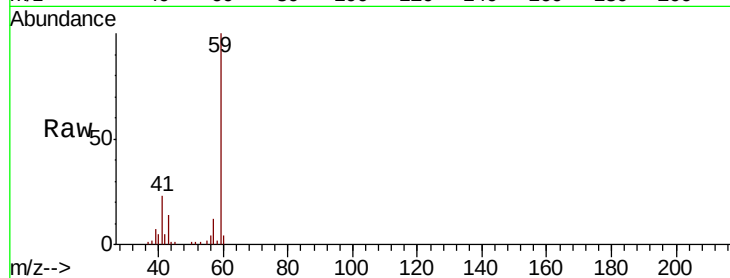
57 10.6 8.8 13.2

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#12

1,1-Dichloroethene

Concen: 50.686 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

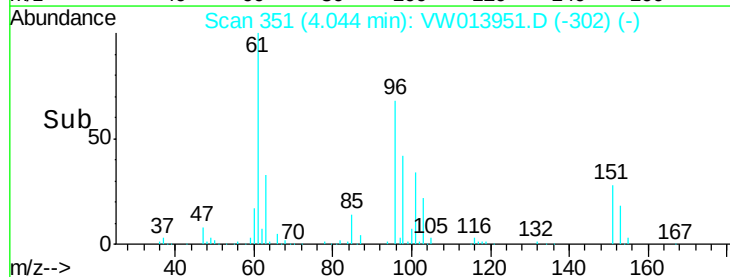
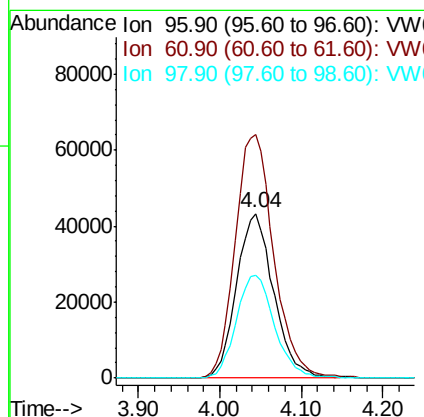
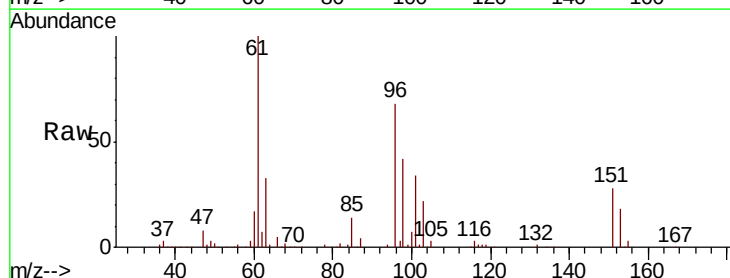
Tgt Ion: 96 Resp: 136918

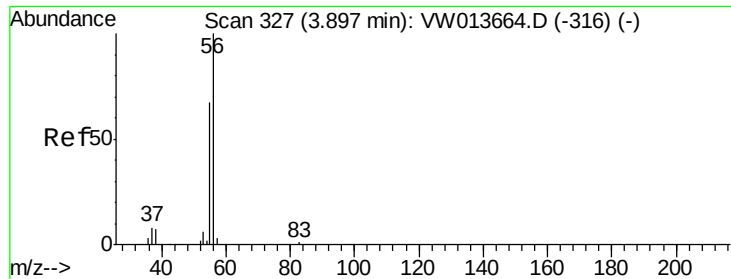
Ion Ratio Lower Upper

96 100

61 147.7 125.0 187.6

98 62.4 50.3 75.5





#13

Acrolein

Concen: 216.296 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tot Ion: 56 Resp: 33425

Ion Ratio Lower Upper

56 100

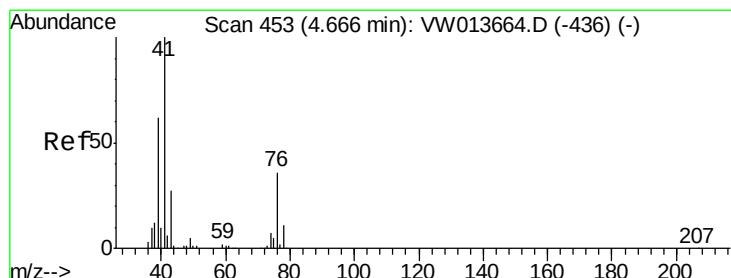
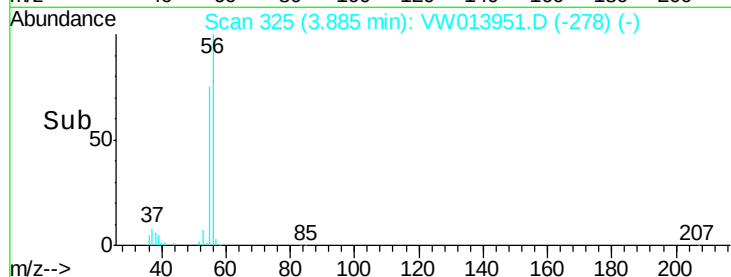
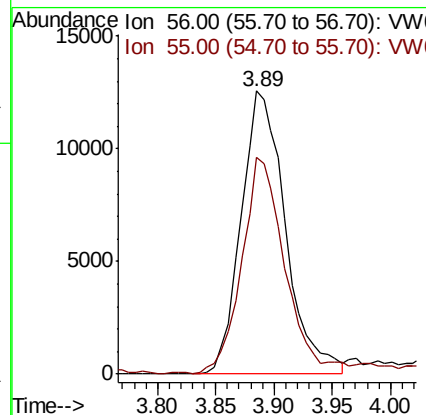
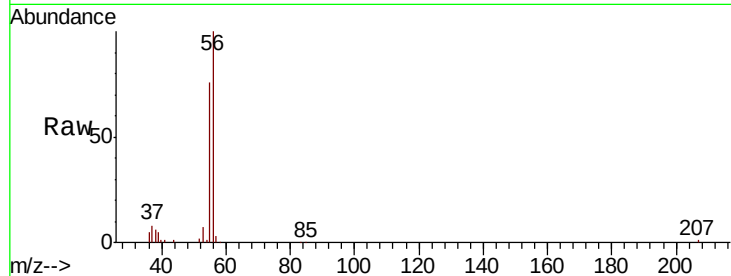
55 74.5 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 52.837 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

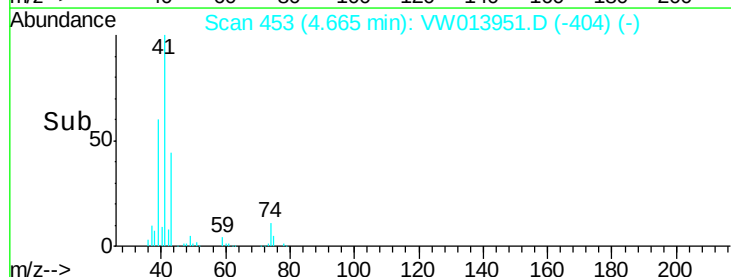
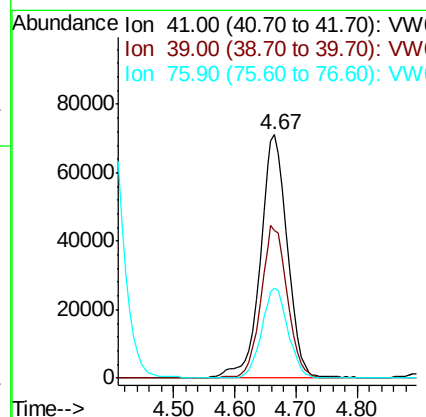
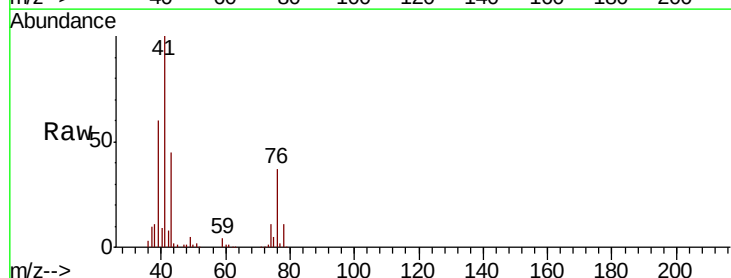
Tgt Ion: 41 Resp: 219468

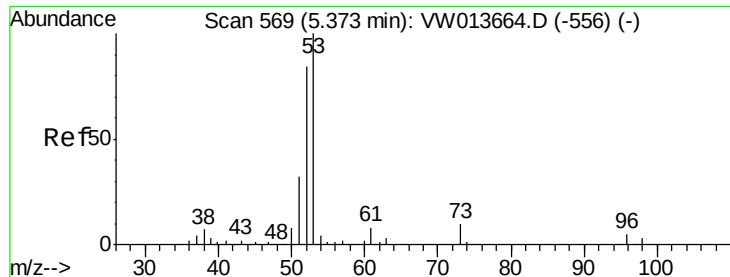
Ion Ratio Lower Upper

41 100

39 61.4 50.0 75.0

76 35.8 29.6 44.4





#15

Acrylonitrile

Concen: 280.777 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

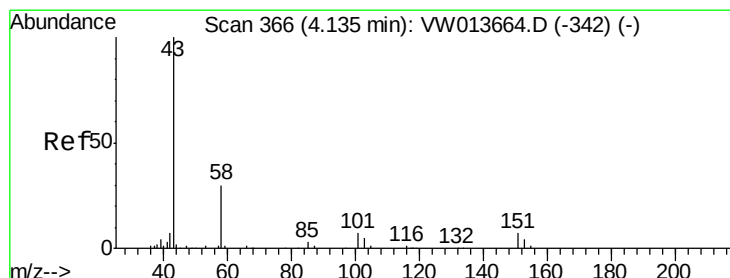
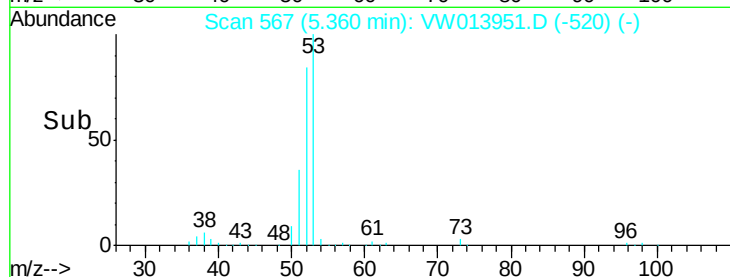
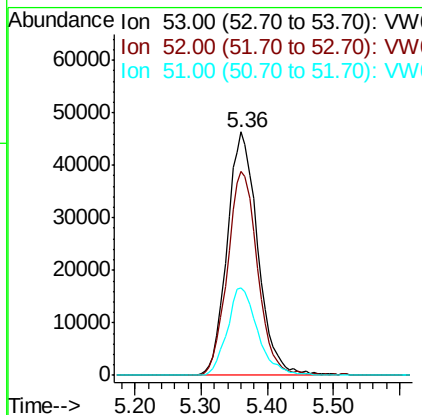
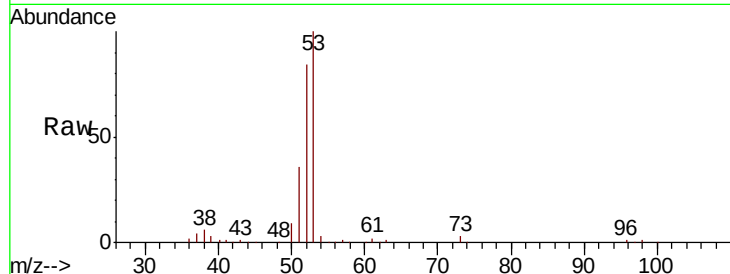
ClientSampleId :

SB-38-(2-4)MSD

Tot Ion:	53	Resp:	148380
Ion	Ratio	Lower	Upper
53	100		
52	82.0	67.4	101.0
51	36.1	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 262.762 ug/l

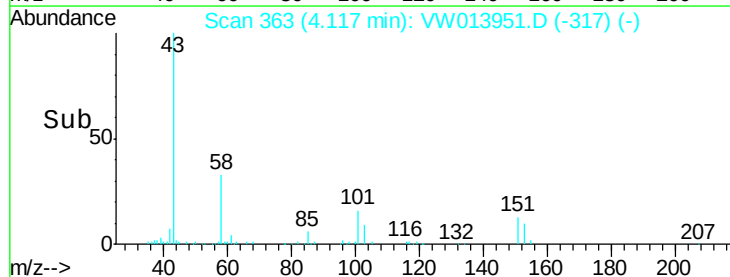
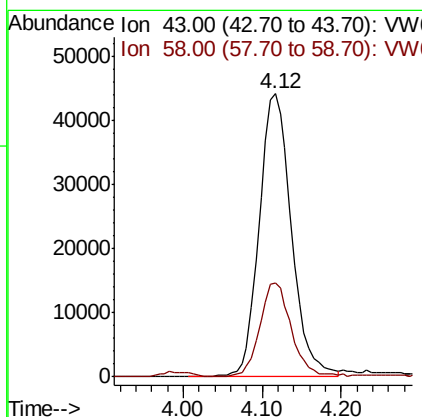
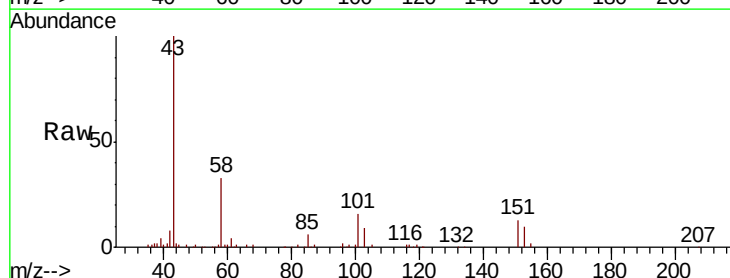
RT: 4.12 min Scan# 363

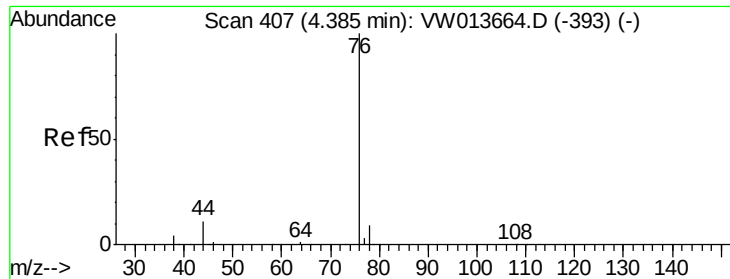
Delta R.T. -0.02 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Tgt Ion:	43	Resp:	125884
Ion	Ratio	Lower	Upper
43	100		
58	32.4	24.1	36.1





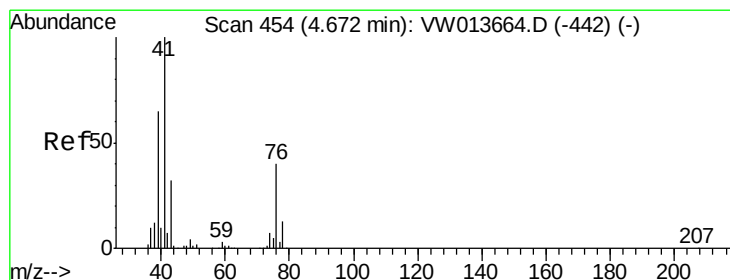
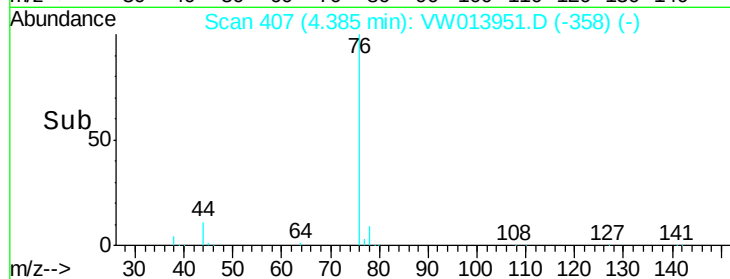
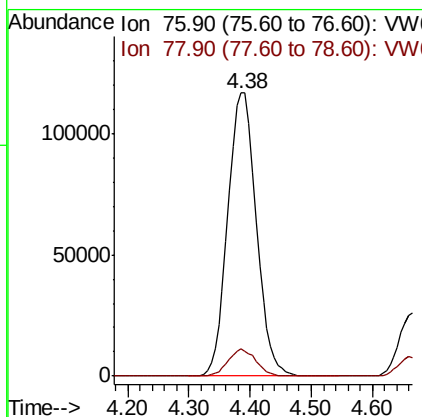
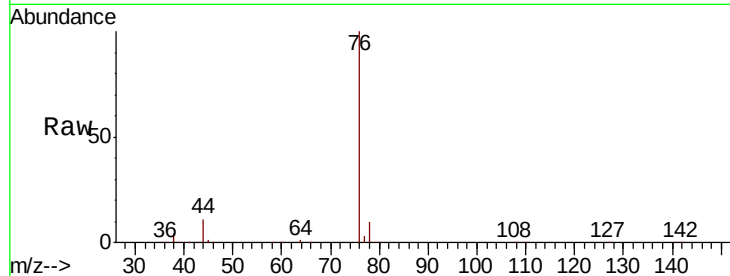
#17
Carbon Disulfide
Concen: 48.515 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

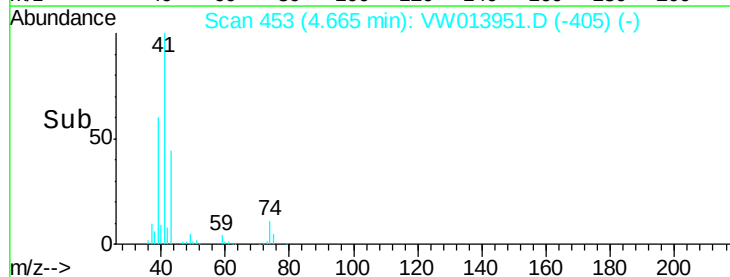
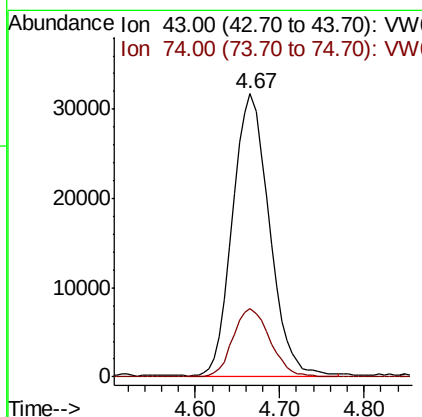
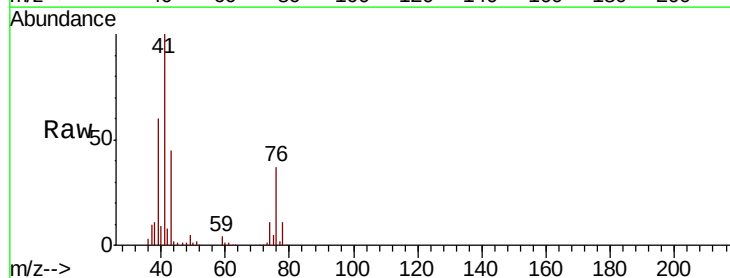
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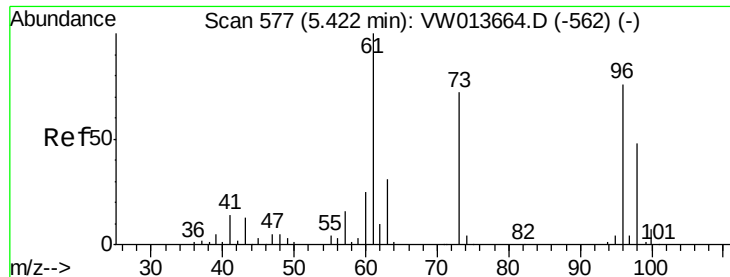
MMDadoda
11/12/2019 12:58:58 PM



#18
Methyl Acetate
Concen: 71.383 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.8	29.8





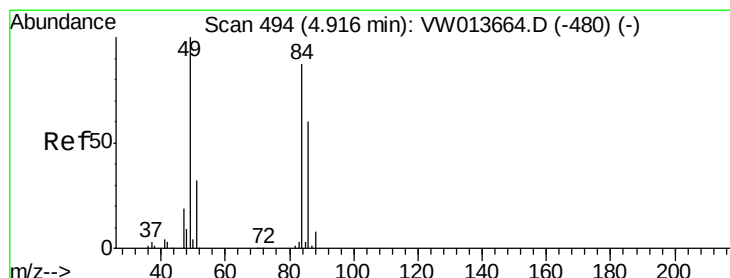
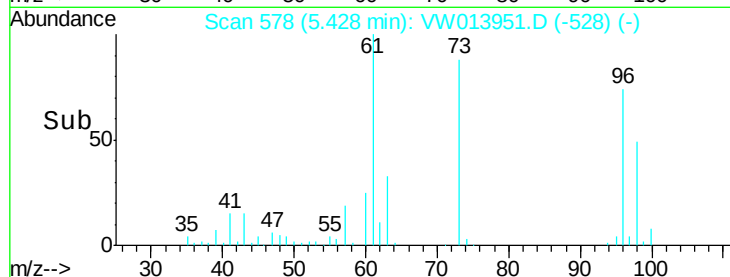
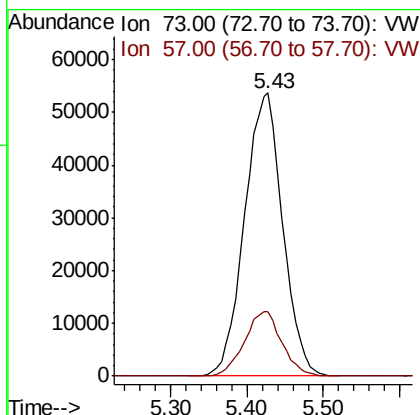
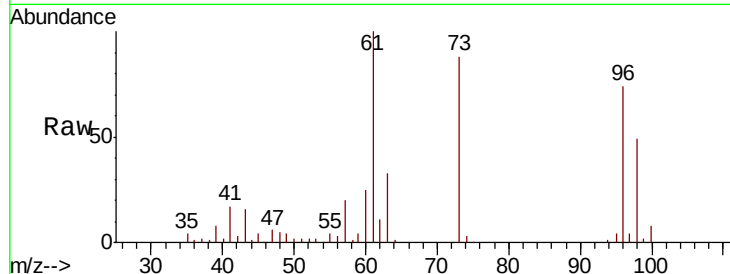
#19
Methyl tert-butyl Ether
Concen: 57.348 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion: 73 Resp: 185899
Ion Ratio Lower Upper
73 100
57 22.8 17.6 26.4

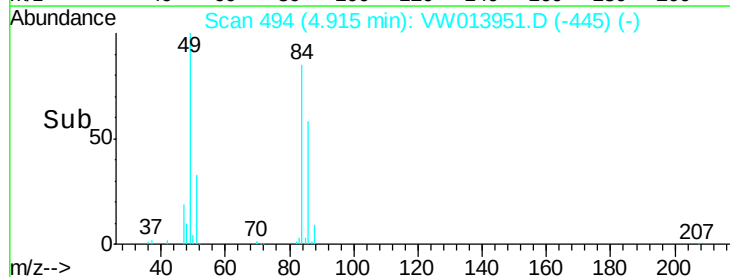
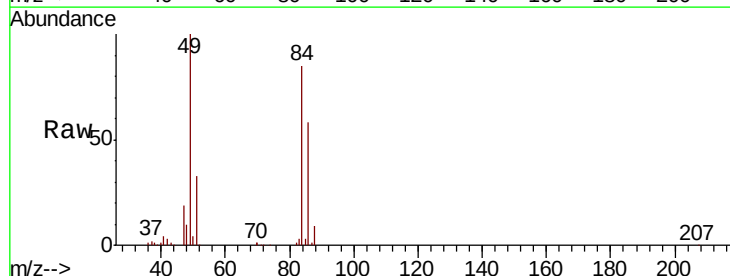
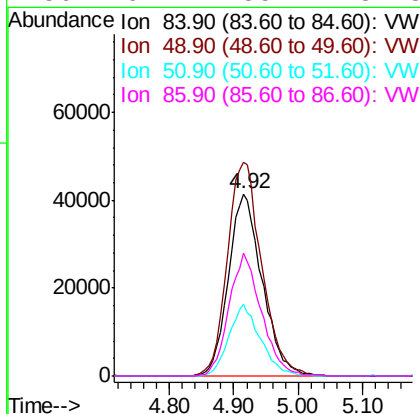
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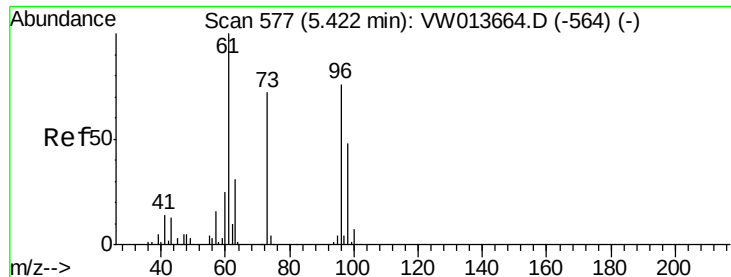
MMDadoda
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#20
Methylene Chloride
Concen: 58.094 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion: 84 Resp: 151102
Ion Ratio Lower Upper
84 100
49 117.4 91.8 137.6
51 39.3 29.8 44.6
86 67.7 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 50.634 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

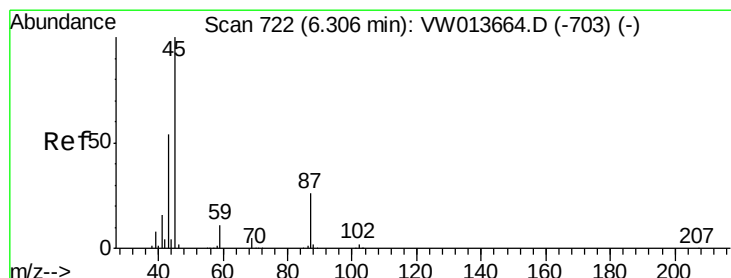
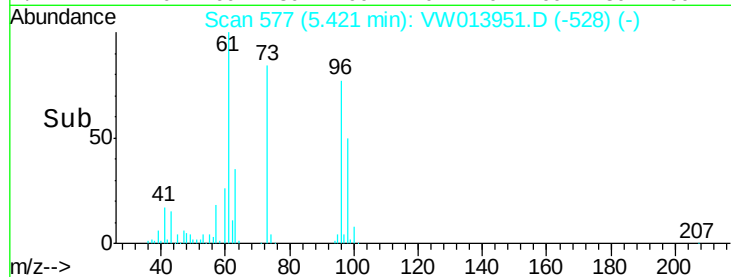
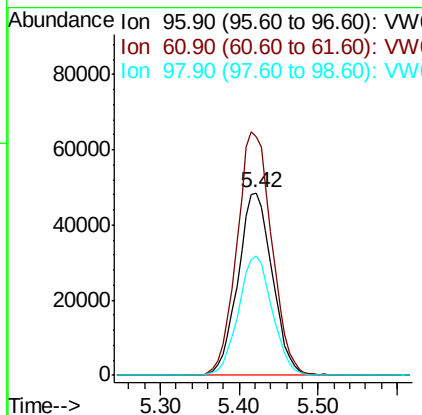
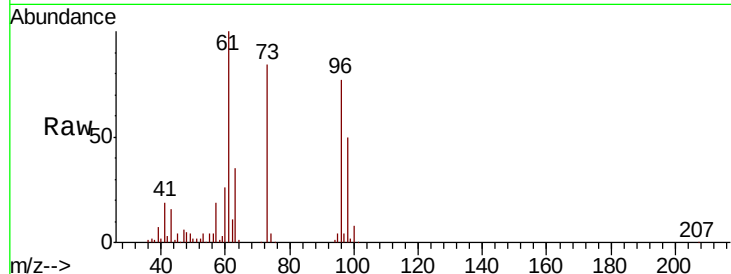
ClientSampleId :

SB-38-(2-4)MSD

Tot Ion:	96	Resp:	147212
Ion Ratio	Lower	Upper	
96	100		
61	130.6	104.8	157.2
98	65.4	50.6	76.0

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#22

Diisopropyl ether

Concen: 56.119 ug/l

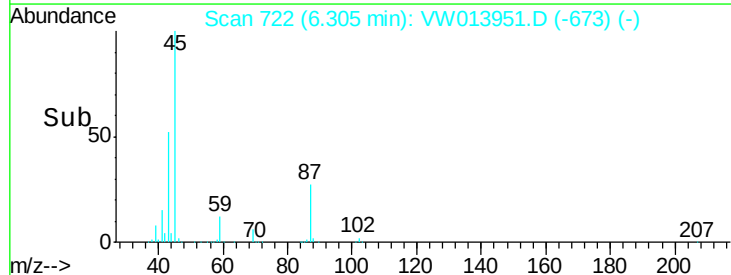
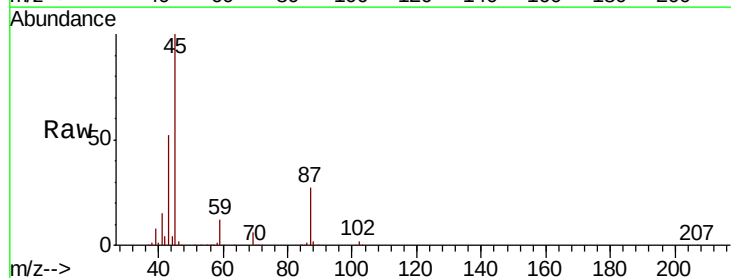
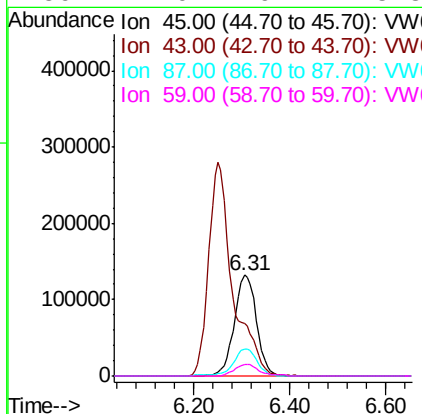
RT: 6.31 min Scan# 722

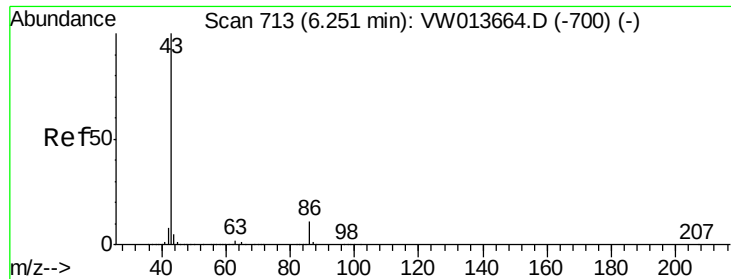
Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Tgt Ion:	45	Resp:	425202
Ion Ratio	Lower	Upper	
45	100		
43	52.0	43.4	65.2
87	26.7	21.5	32.3
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 220.627 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tot Ion: 43 Resp: 969948

Ion Ratio Lower Upper

43 100

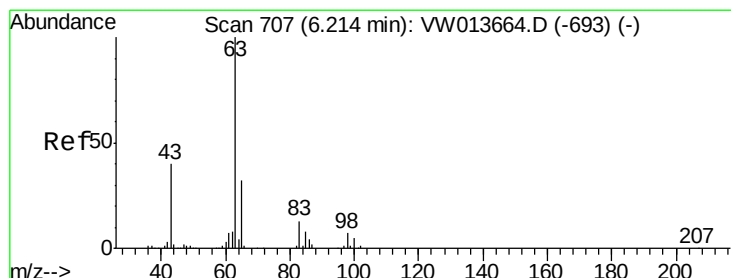
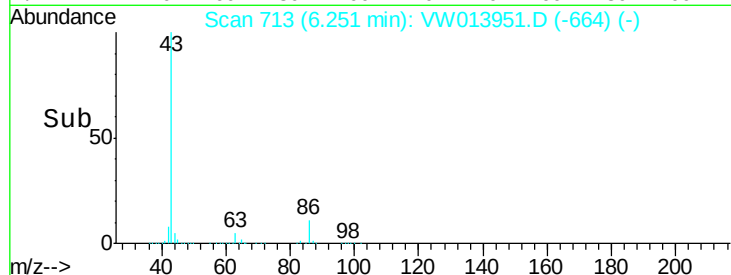
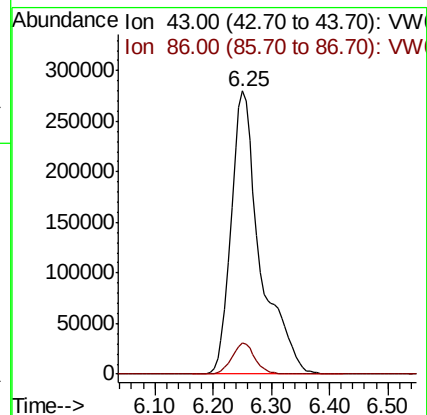
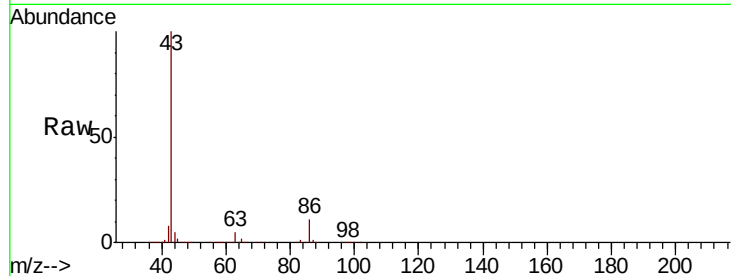
86 11.0 9.0 13.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.190 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

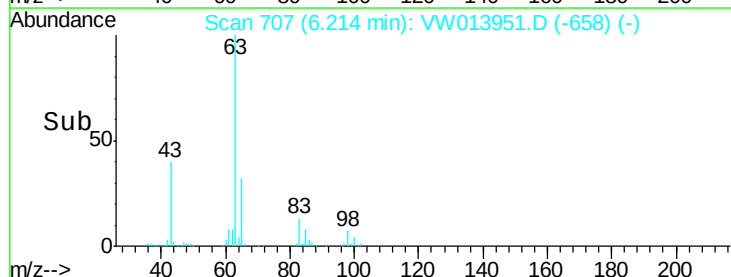
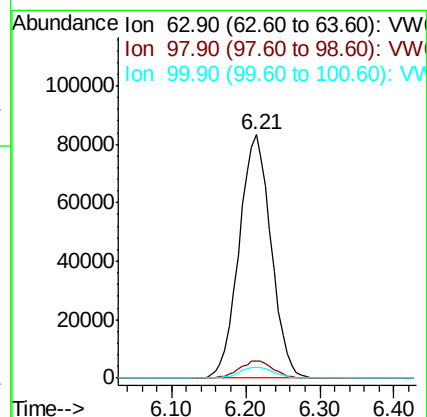
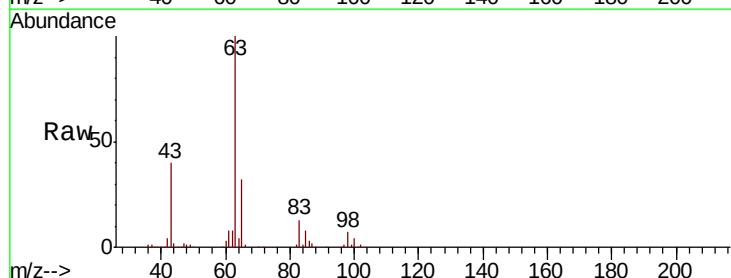
Tgt Ion: 63 Resp: 250434

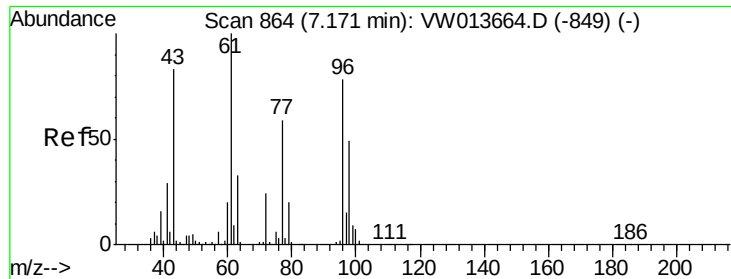
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

100 4.4 2.5 7.4





#25

2-Butanone

Concen: 273.135 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tot Ion: 43 Resp: 188127

Ion Ratio Lower Upper

43 100

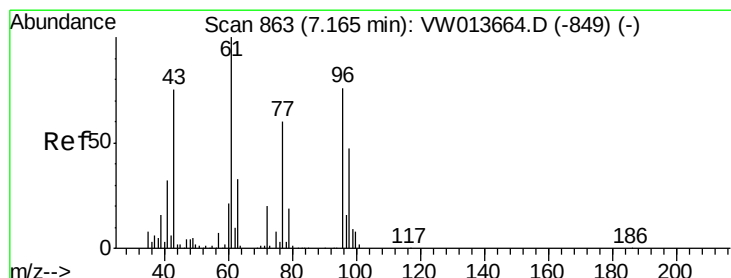
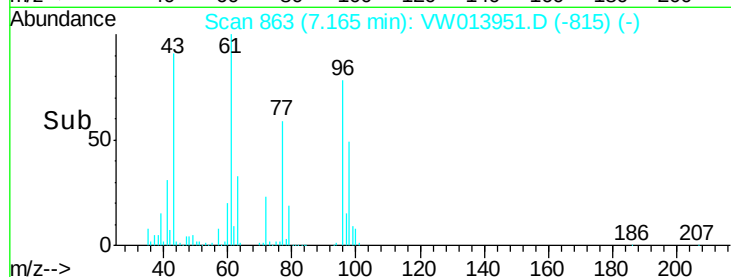
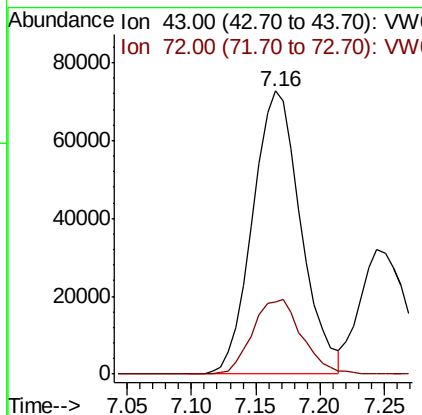
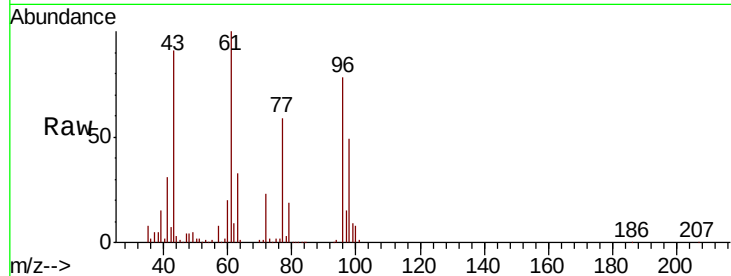
72 25.3 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.313 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013951.D

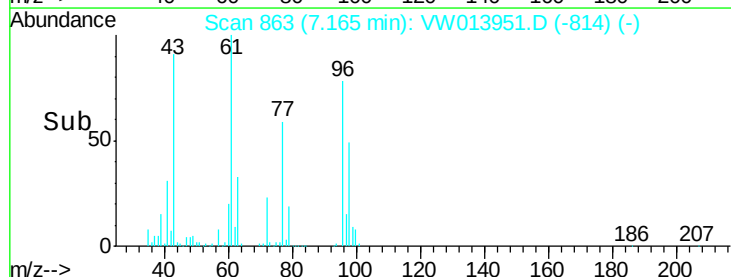
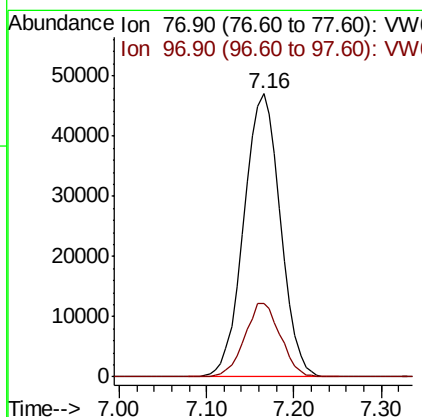
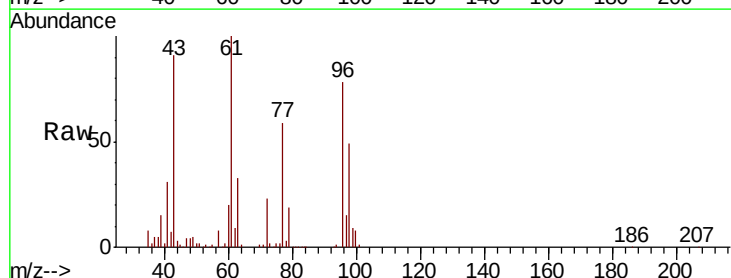
Acq: 08 Nov 2019 18:03

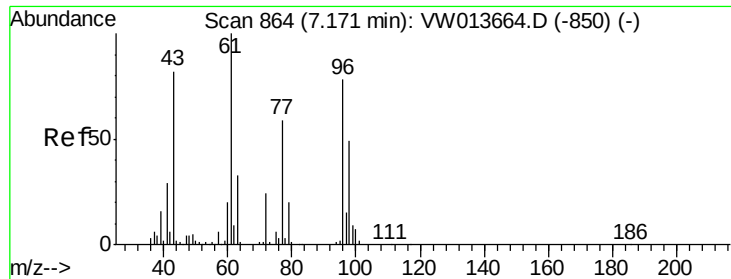
Tgt Ion: 77 Resp: 136831

Ion Ratio Lower Upper

77 100

97 25.3 12.8 38.4





#27

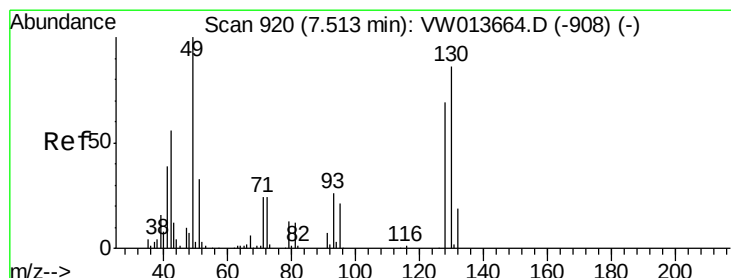
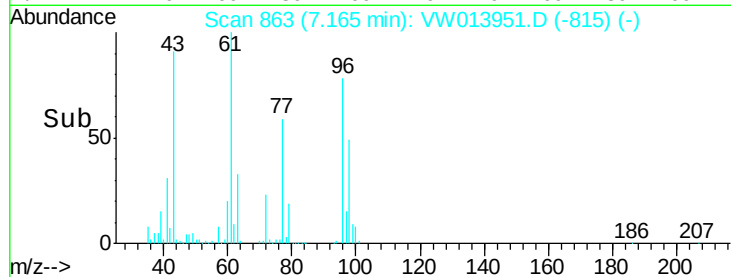
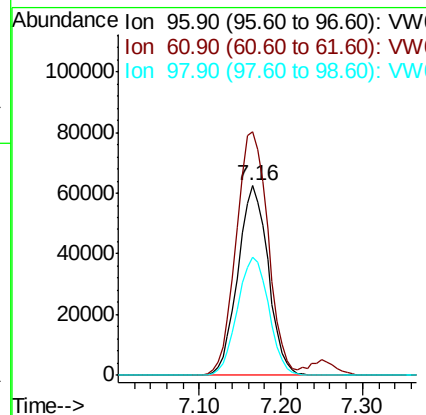
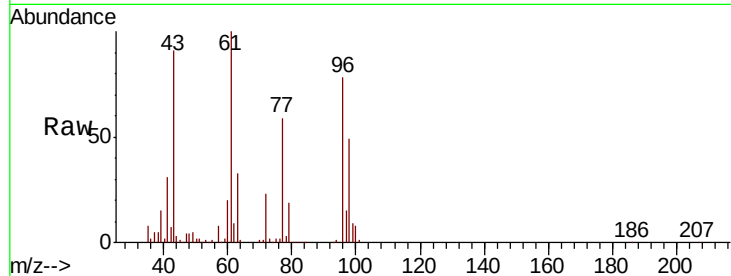
cis-1,2-Dichloroethene
Concen: 52.056 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160755		
61	135.2	0.0	266.0	
98	64.2	0.0	126.8	

Manual Integrations
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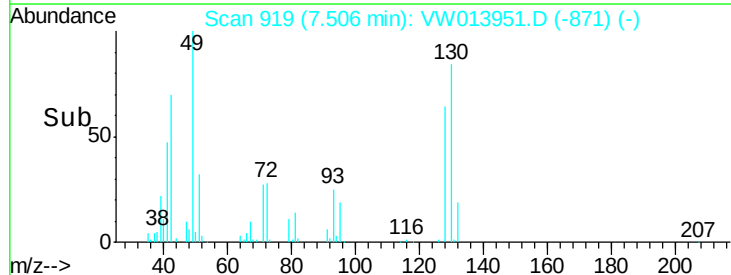
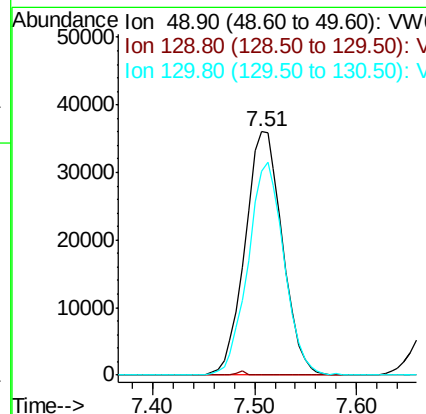
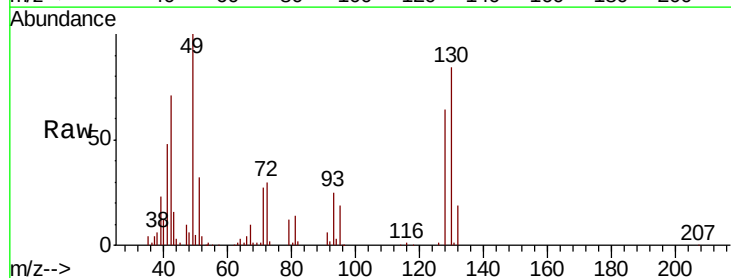
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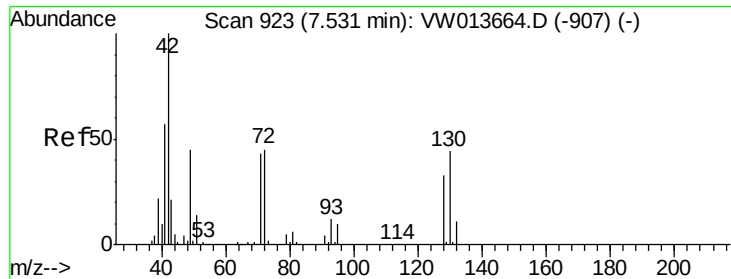


#28

Bromochloromethane
Concen: 53.551 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	91719		
129	0.0	0.0	0.6	
130	84.5	67.5	101.3	





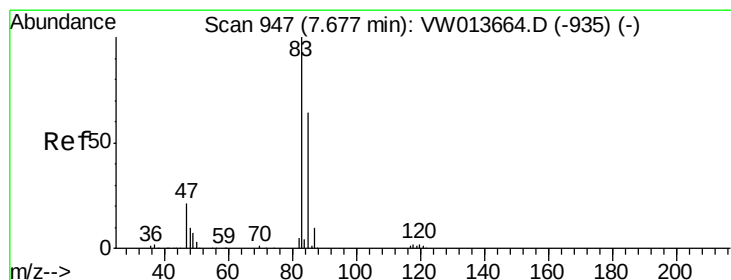
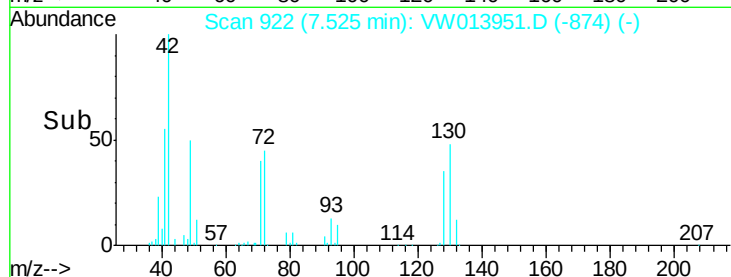
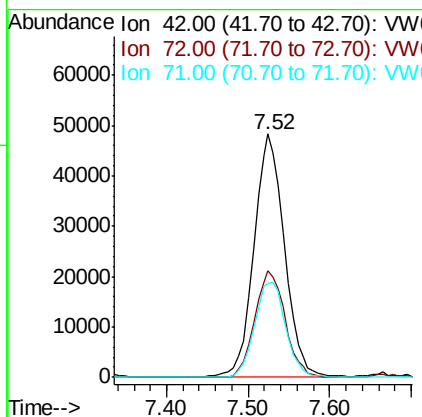
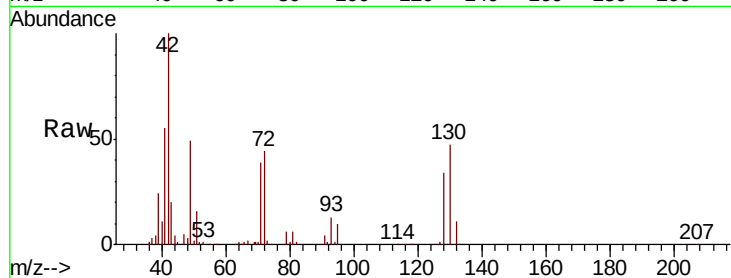
#29
Tetrahydrofuran
Concen: 295.838 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.3	52.9
71	40.1	33.3	49.9

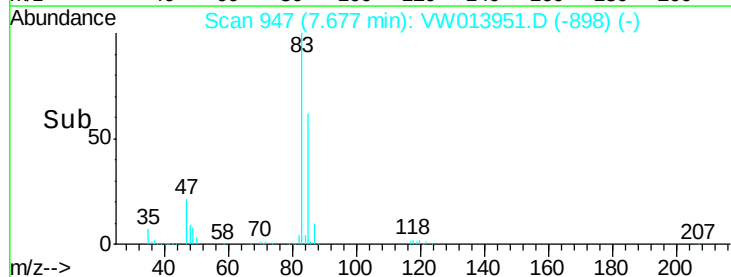
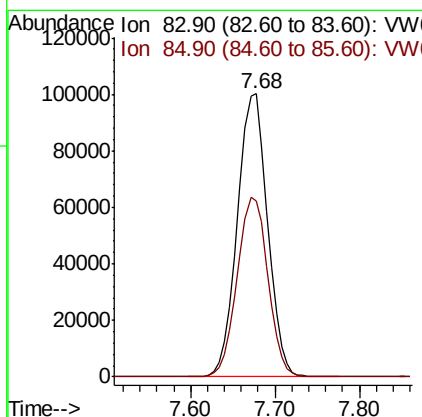
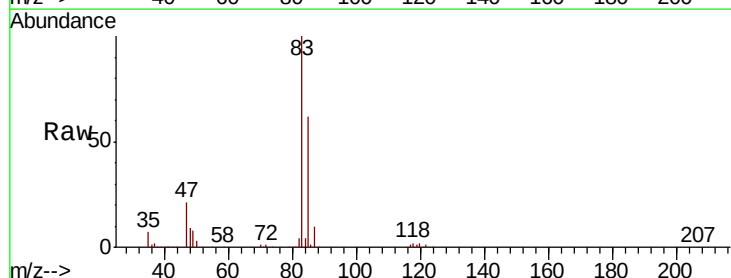
Manual Integrations
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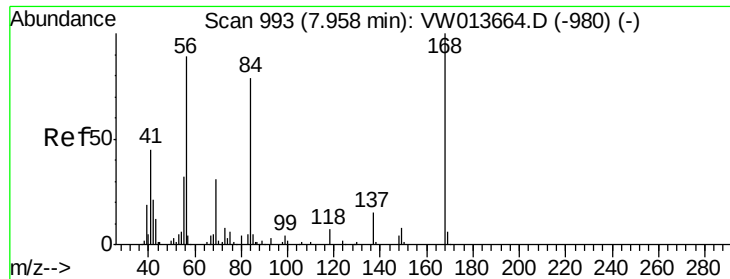
MMDadoda
11/12/2019 12:58:58 PM



#30
Chloroform
Concen: 51.125 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.4	77.2





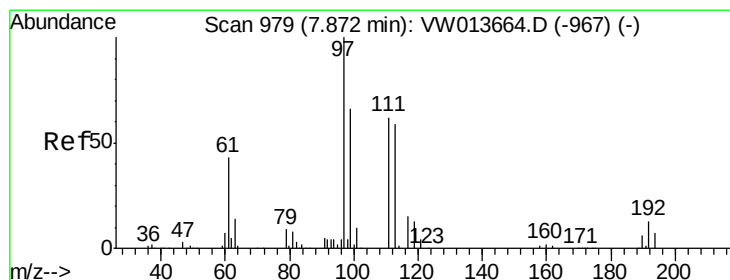
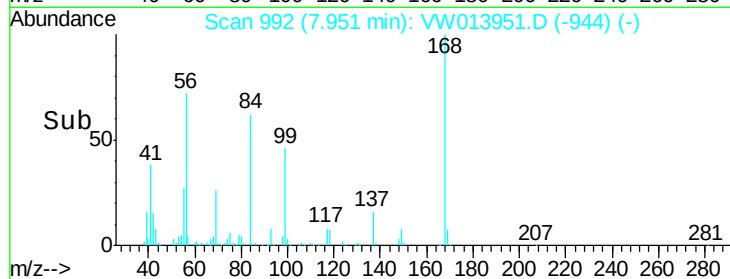
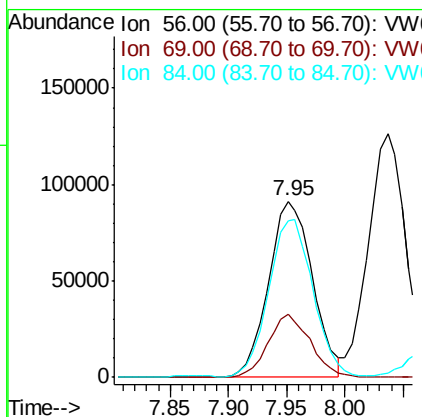
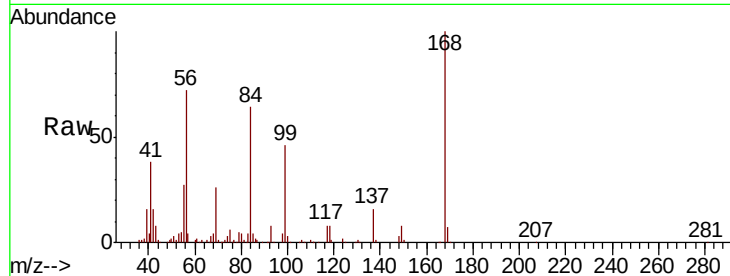
#31
Cyclohexane
Concen: 47.456 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.7	27.5	41.3	
84	87.7	70.8	106.2	

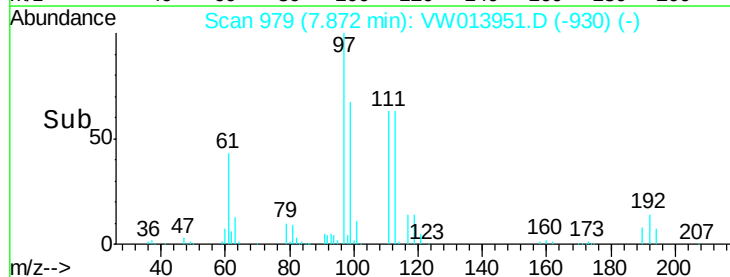
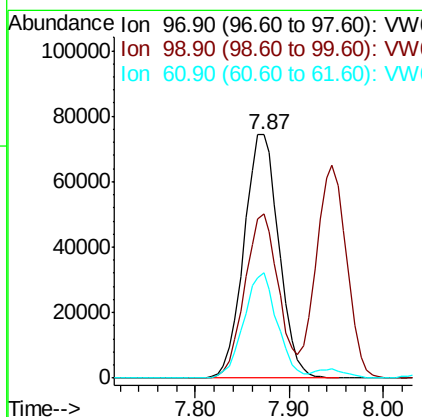
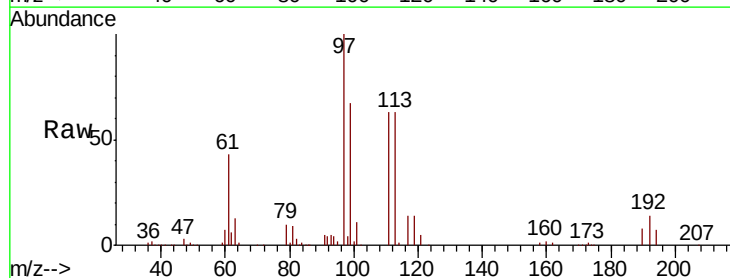
Manual Integrations
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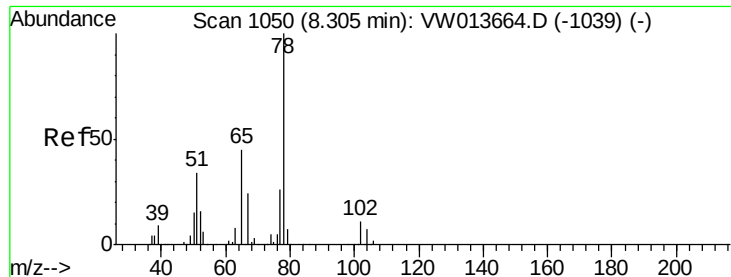
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#32
1,1,1-Trichloroethane
Concen: 51.999 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.6	52.0	78.0	
61	41.4	33.8	50.6	





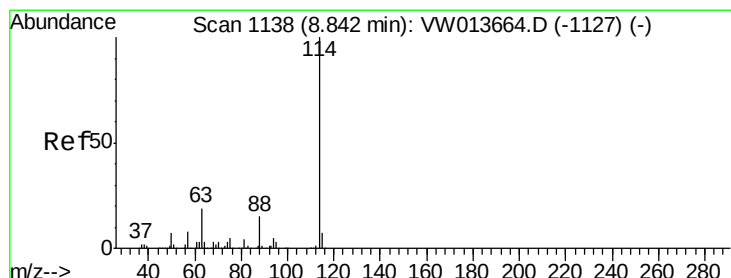
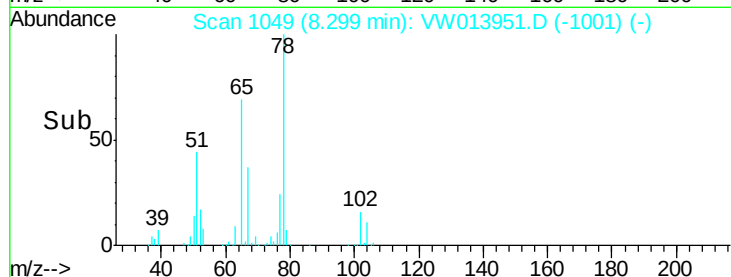
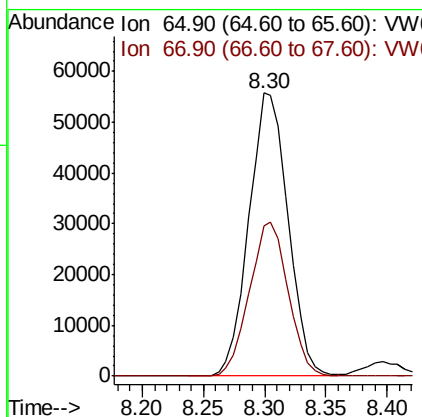
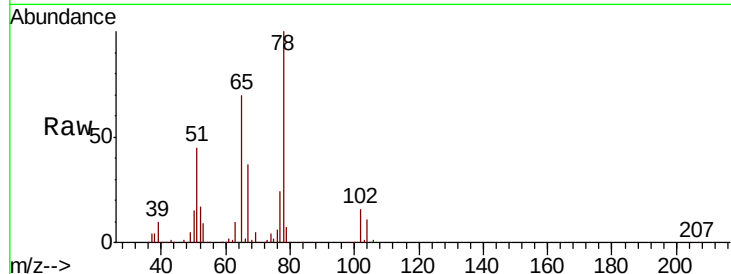
#33
 1,2-Dichloroethane-d4
 Concen: 54.934 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	124123		
67	53.9	0.0	109.4	

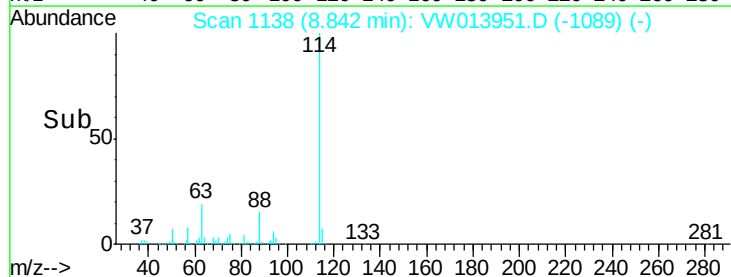
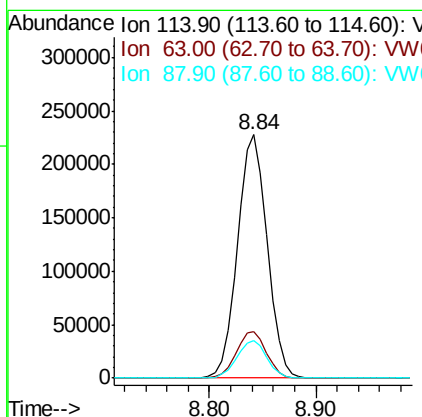
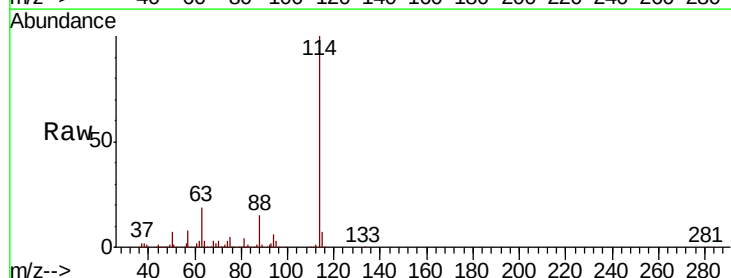
Manual Integrations
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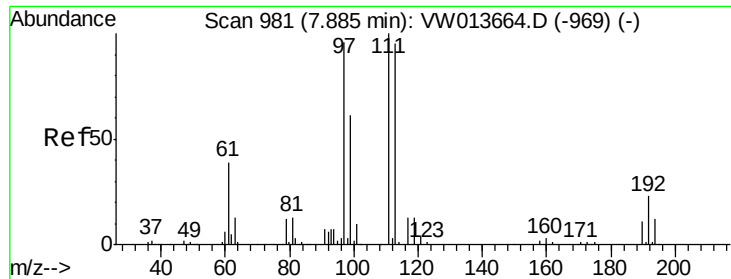
MMDadoda
 11/12/2019 12:58:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	445314		
63	19.1	0.0	37.6	
88	15.4	0.0	30.2	





#35

Dibromofluoromethane

Concen: 52.612 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

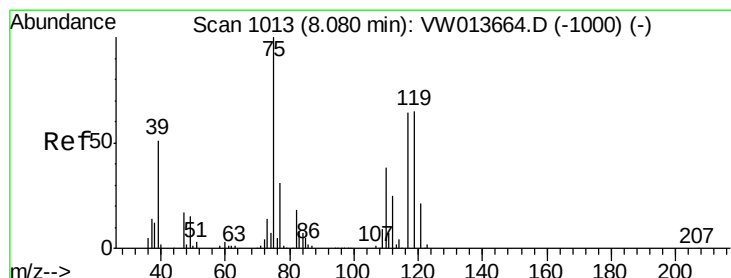
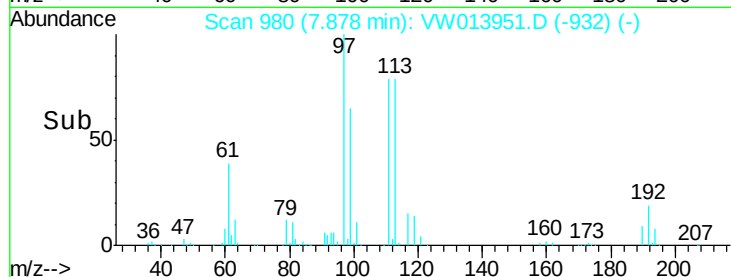
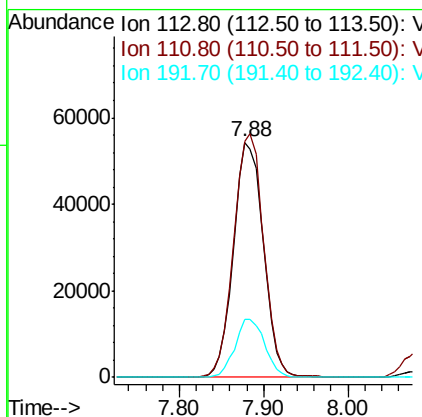
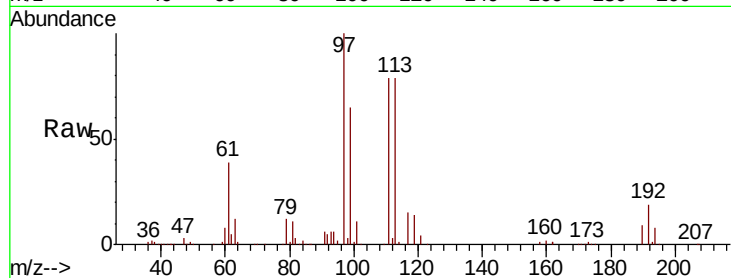
ClientSampleId :

SB-38-(2-4)MSD

Tot Ion:	113	Resp:	130183
Ion Ratio	Lower	Upper	
113	100		
111	103.6	83.0	124.6
192	24.6	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.118 ug/l

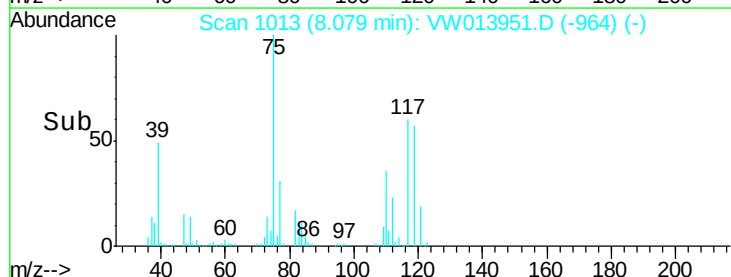
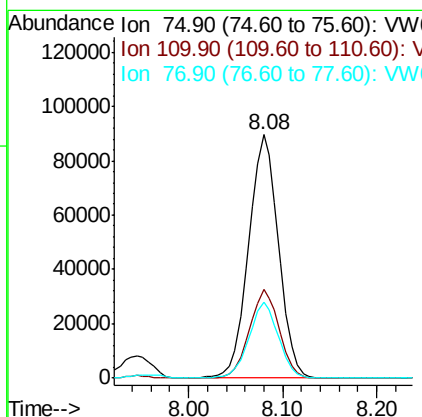
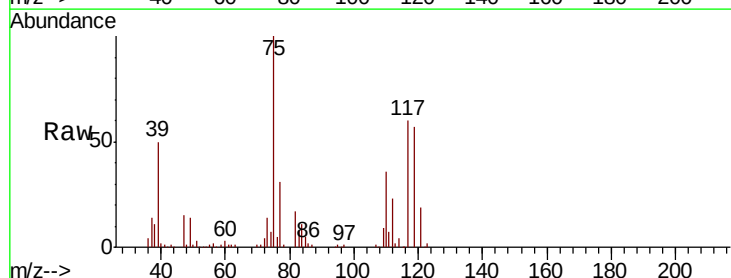
RT: 8.08 min Scan# 1013

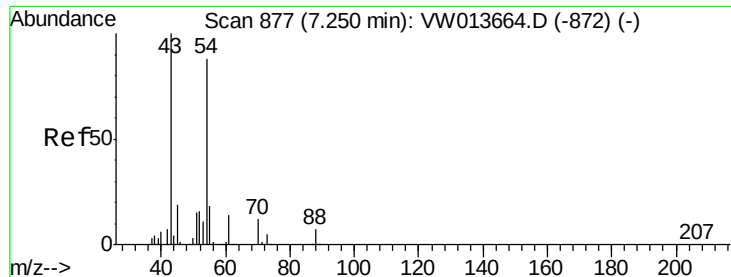
Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Tgt Ion:	75	Resp:	199557
Ion Ratio	Lower	Upper	
75	100		
110	36.1	18.7	56.1
77	30.8	25.4	38.0





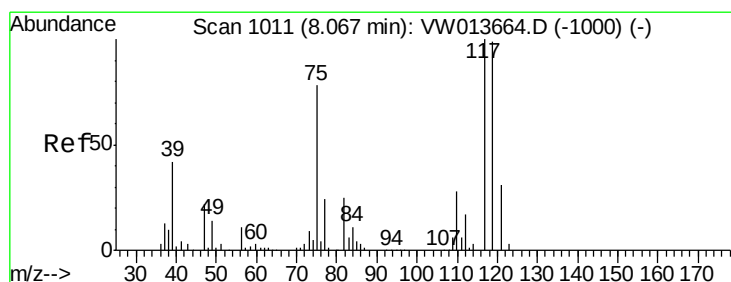
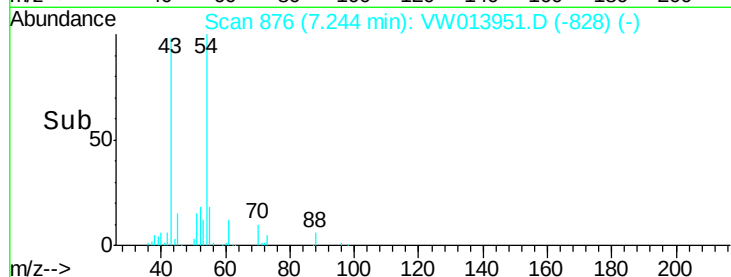
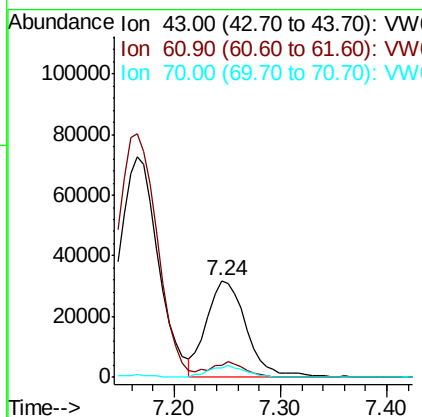
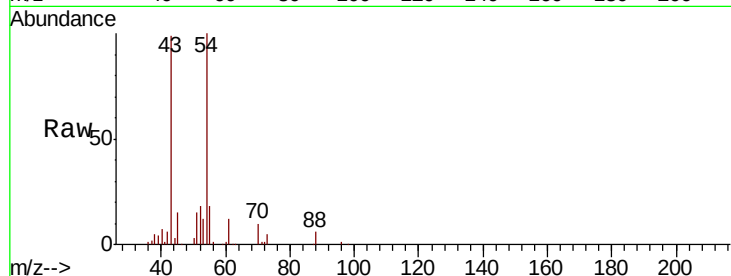
#37
Ethyl Acetate
Concen: 50.943 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.7	17.5
70	11.2	8.8	13.2

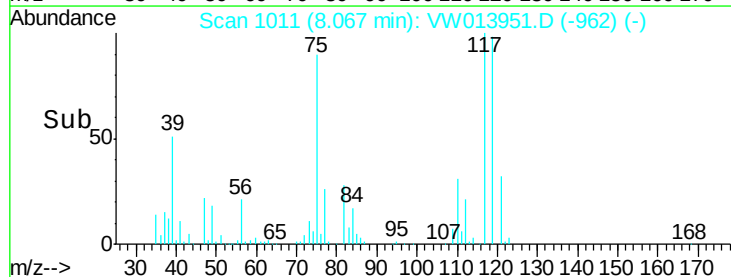
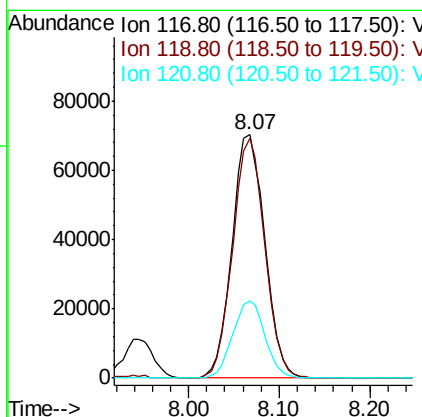
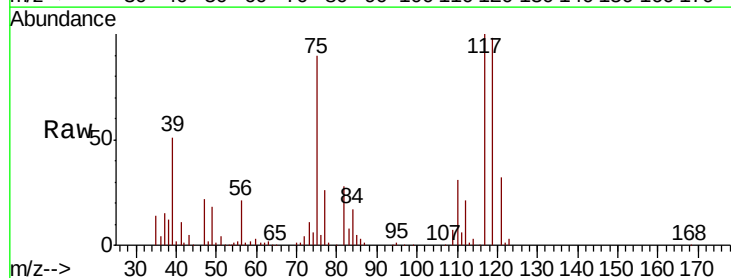
Manual Integrations
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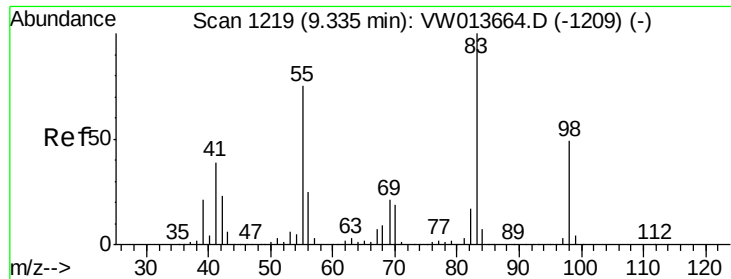
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#38
Carbon Tetrachloride
Concen: 47.263 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	79.0	118.4
121	31.9	24.5	36.7





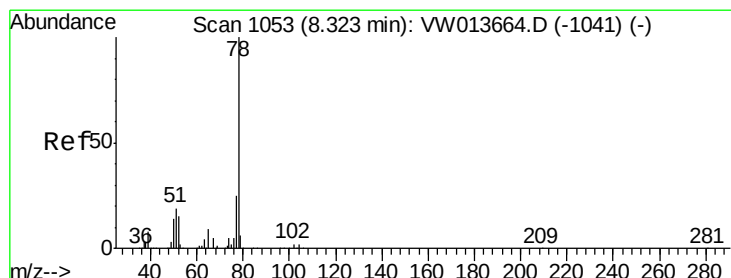
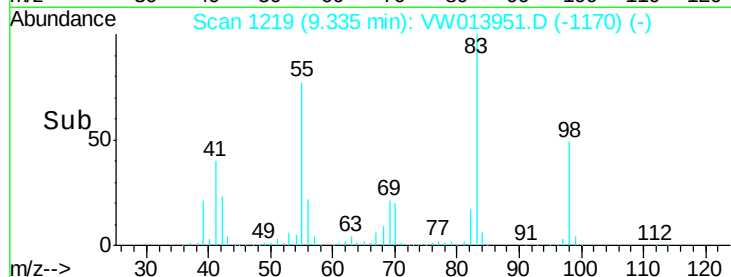
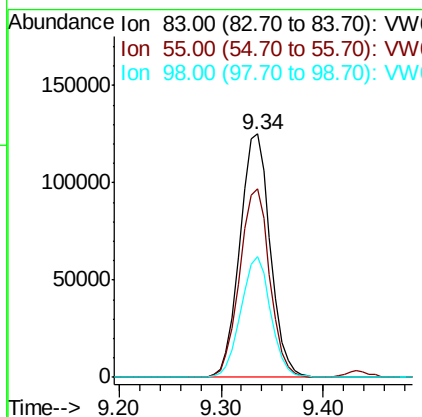
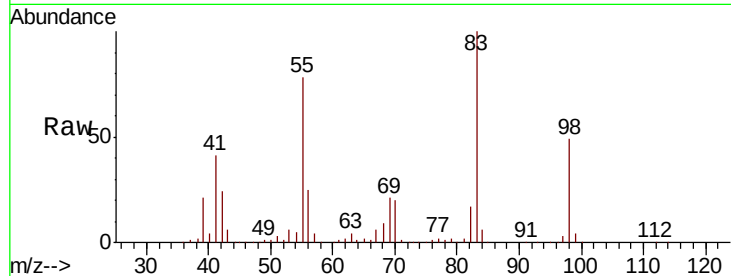
#39
Methylcyclohexane
Concen: 48.413 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	59.9	89.9
98	49.4	39.4	59.2

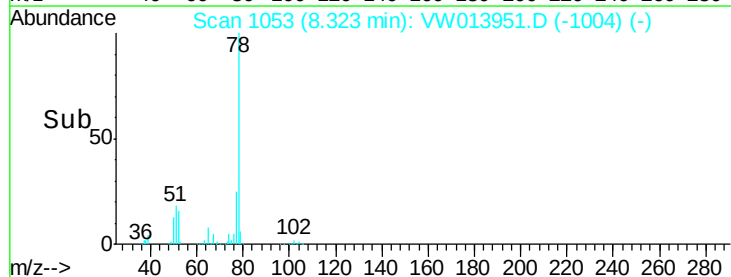
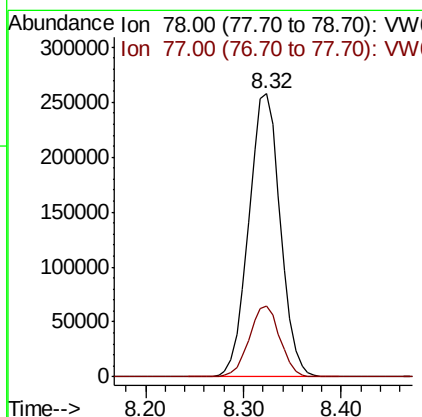
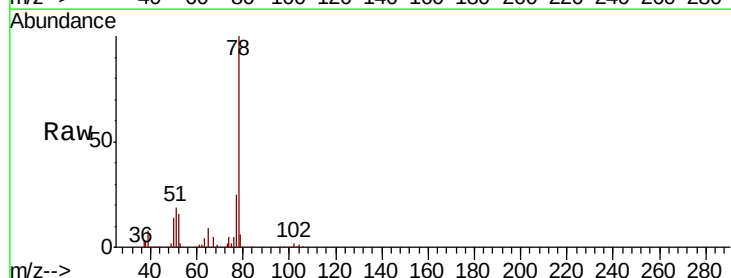
Manual Integrations
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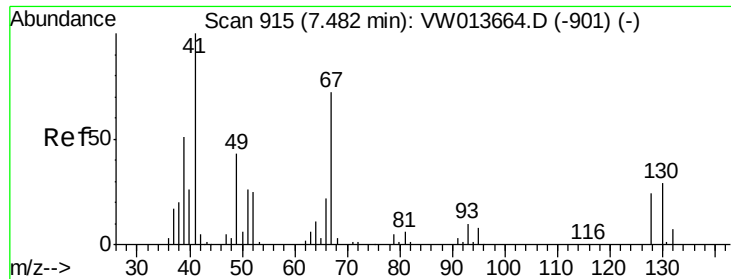
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#40
Benzene
Concen: 49.369 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.6	29.4





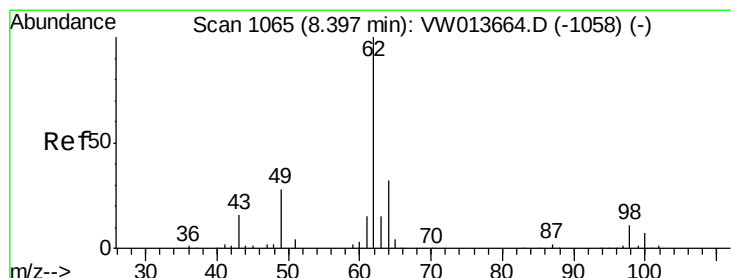
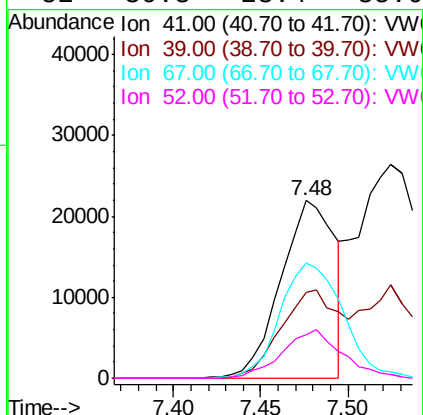
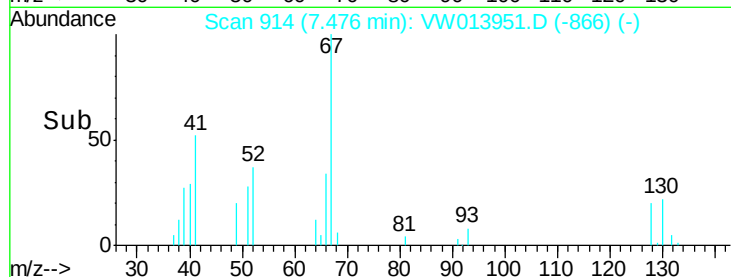
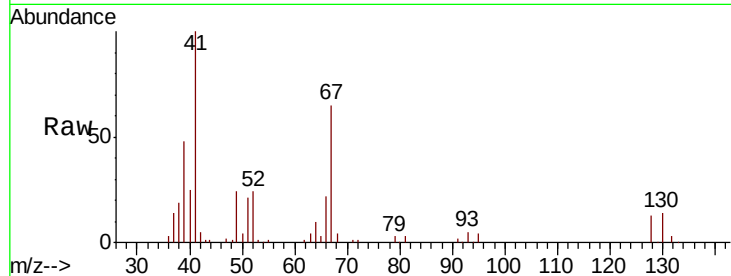
#41
Methacrylonitrile
Concen: 47.926 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	41	Resp	47446
Ion Ratio	Lower	Upper	
41	100		
39	54.8	44.8	67.2
67	76.2	59.3	88.9
52	30.3	23.4	35.0

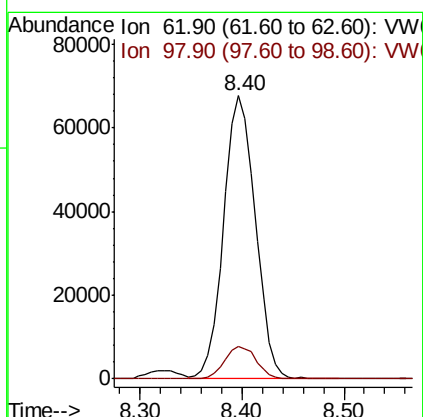
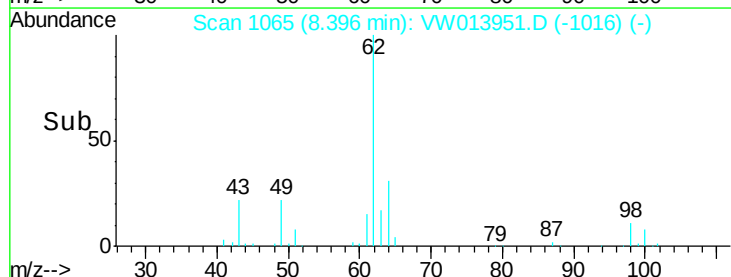
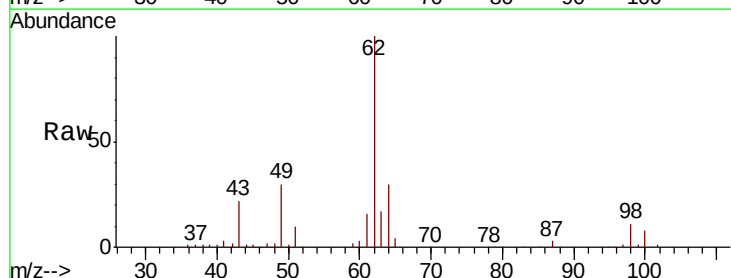
Manual Integrations
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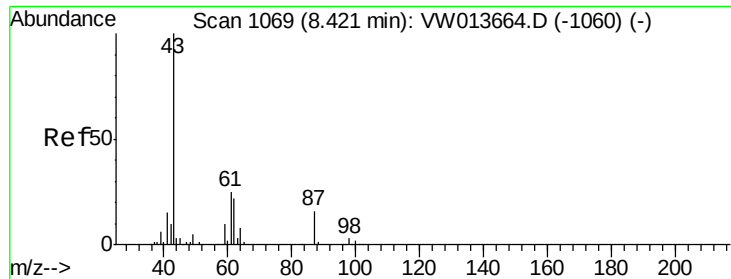
MMDadoda
11/12/2019 12:58:58 PM



#42
1,2-Dichloroethane
Concen: 49.446 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	62	Resp	146241
Ion Ratio	Lower	Upper	
62	100		
98	11.5	0.0	22.4





#43

Isopropyl Acetate

Concen: 53.891 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

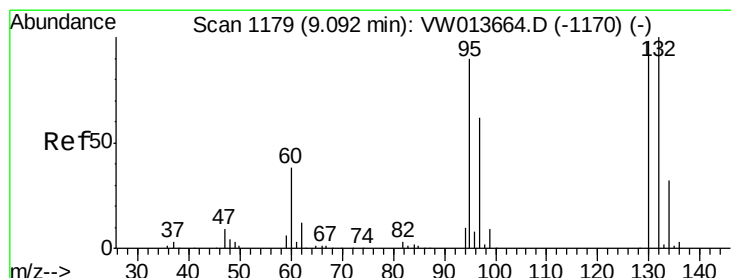
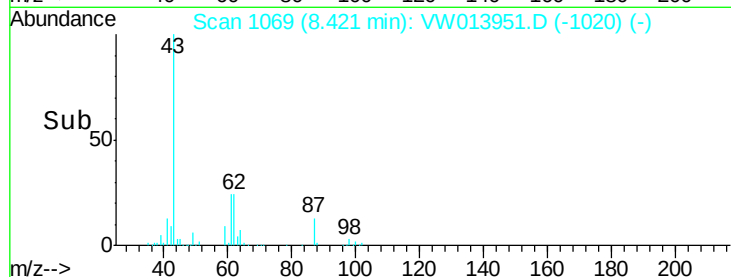
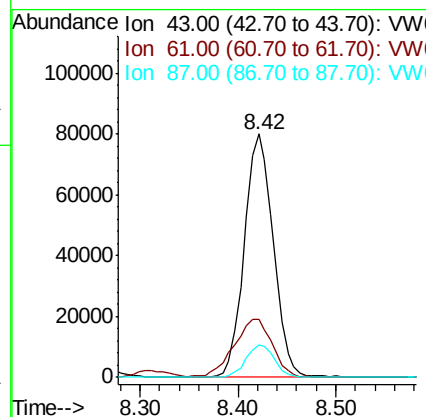
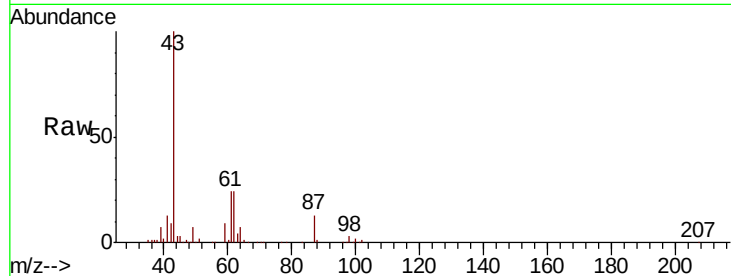
ClientSampleId :

SB-38-(2-4)MSD

Tot Ion:	43	Resp:	163764
Ion	Ratio	Lower	Upper
43	100		
61	31.7	26.1	39.1
87	13.5	11.4	17.0

Manual Integrations
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11/12/2019 12:58:58 PM



#44

Trichloroethene

Concen: 49.228 ug/l

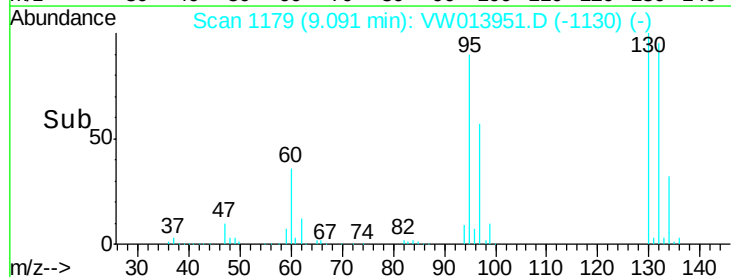
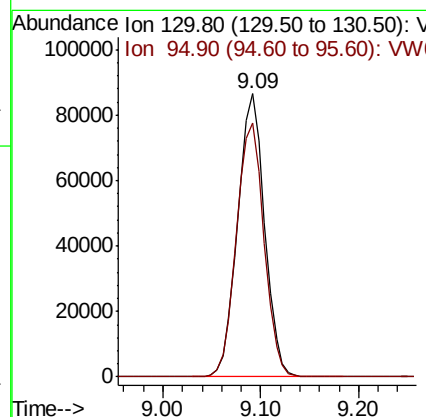
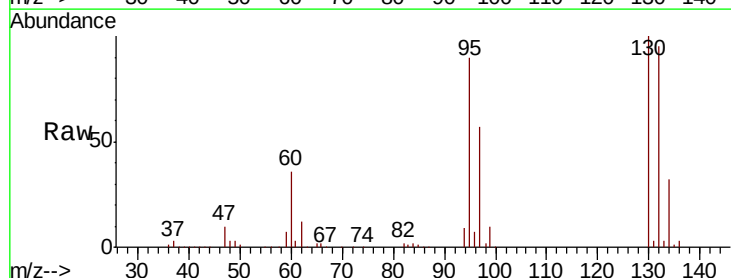
RT: 9.09 min Scan# 1179

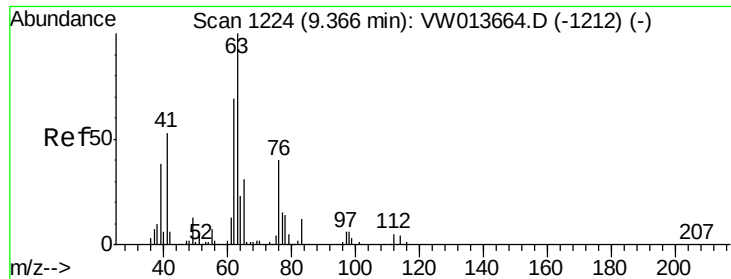
Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Tgt Ion:	130	Resp:	165503
Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	184.6





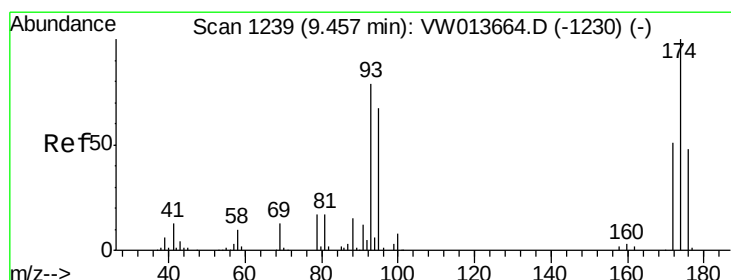
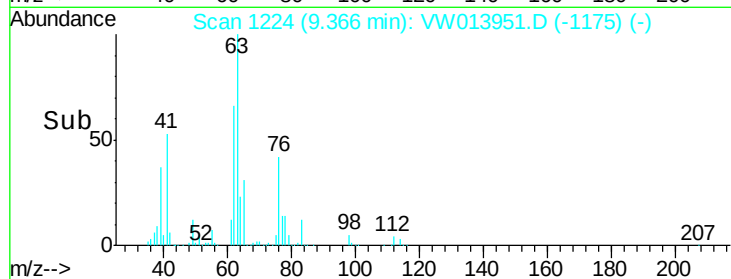
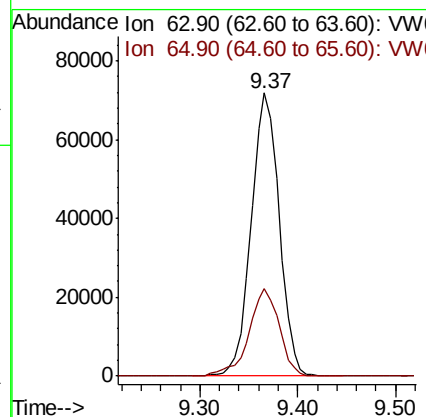
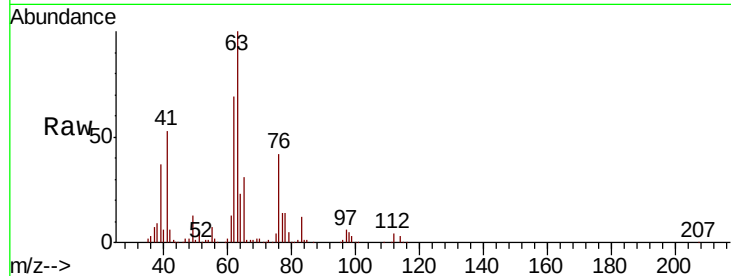
#45
 1,2-Dichloropropane
 Concen: 50.949 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.2	37.8

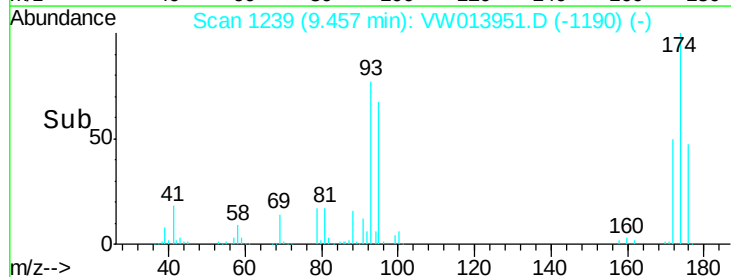
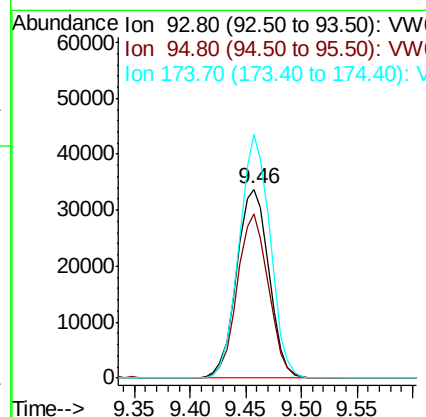
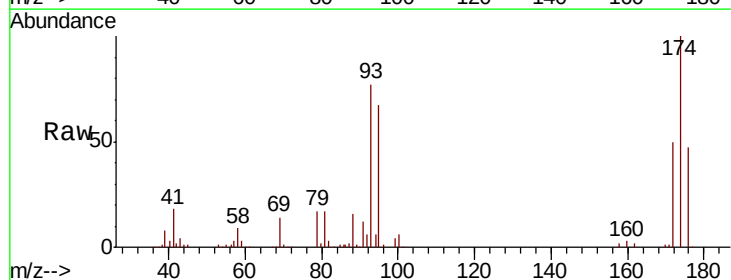
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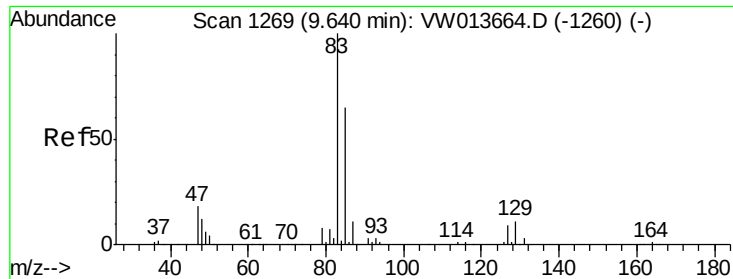
MMDadoda
 11/12/2019 12:58:58 PM



#46
 Dibromomethane
 Concen: 49.917 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.5	99.7
174	123.3	99.6	149.4





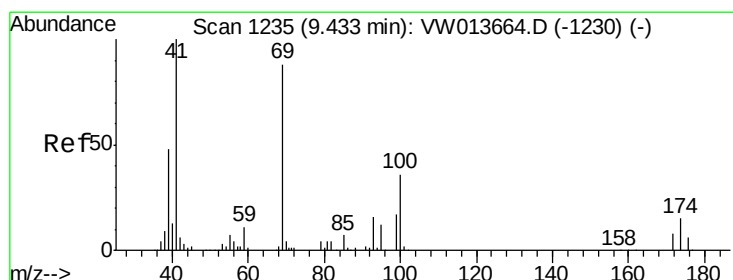
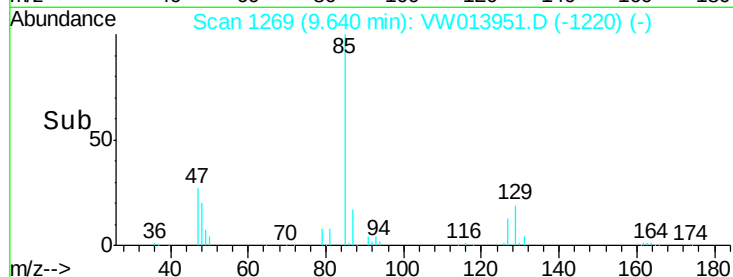
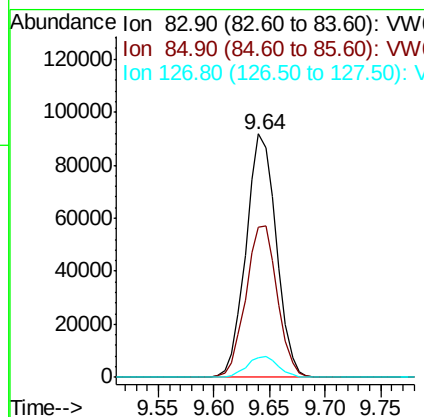
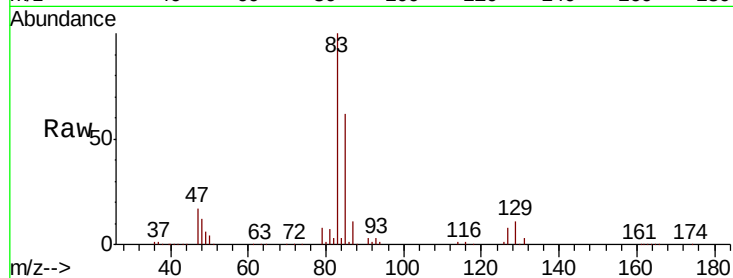
#47
Bromodichloromethane
Concen: 49.422 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	83	Resp	173994
Ion Ratio	100		
85	61.6	51.8	77.6
127	8.2	7.3	10.9

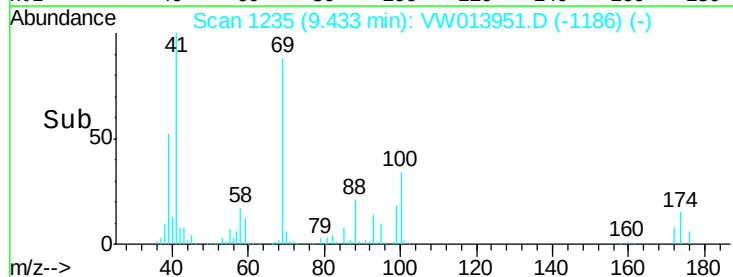
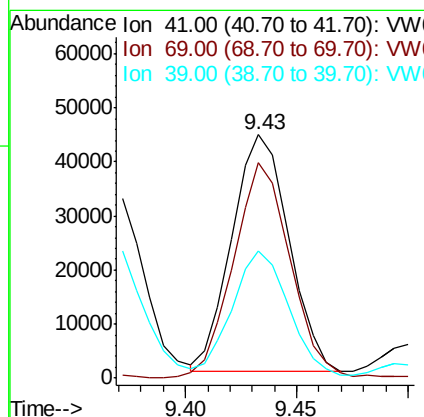
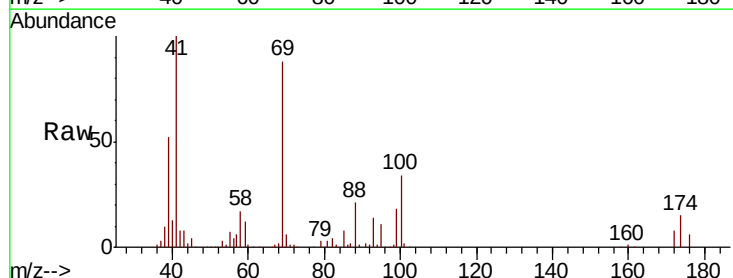
Manual Integrations
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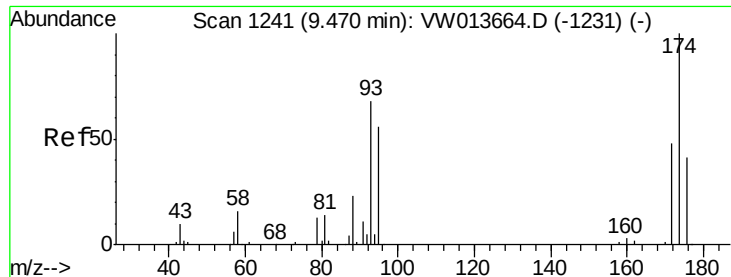
MMDadoda
11/12/2019 12:58:58 PM



#48
Methyl methacrylate
Concen: 51.858 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	41	Resp	78147
Ion Ratio	100		
69	91.7	67.6	101.4
39	51.0	38.6	58.0





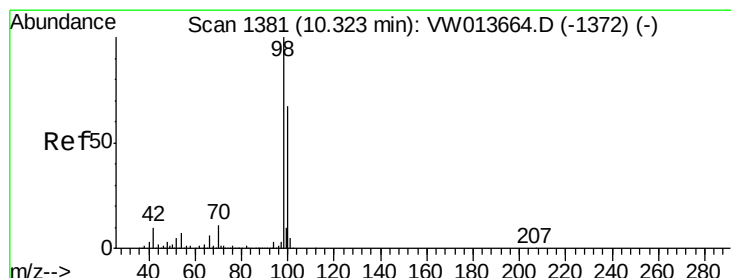
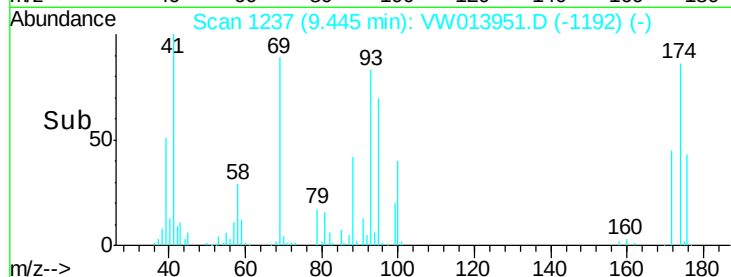
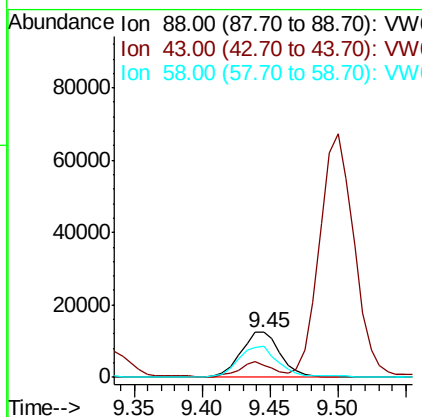
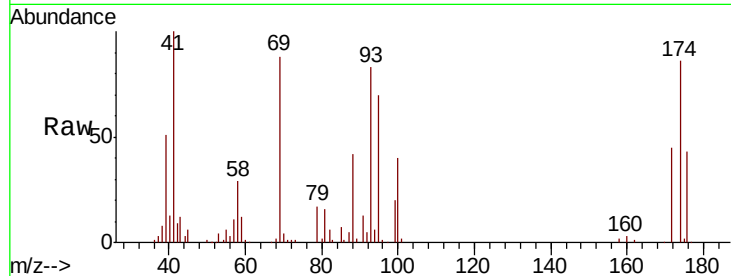
#49
1,4-Dioxane
Concen: 1259.753 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	0.0	0.0#
58	68.9	58.9	88.3

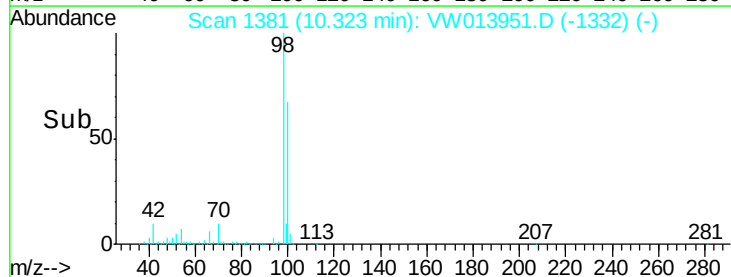
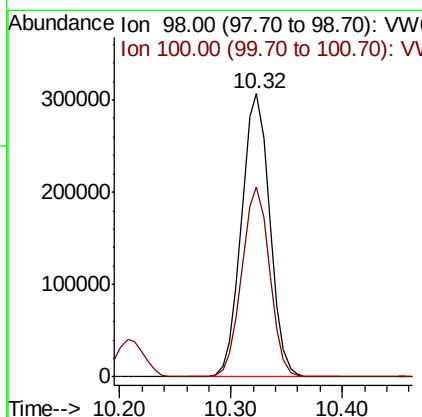
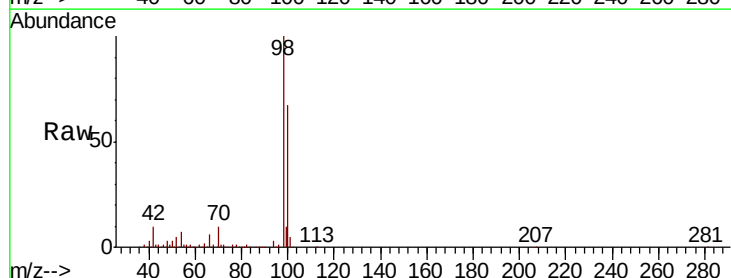
Manual Integrations
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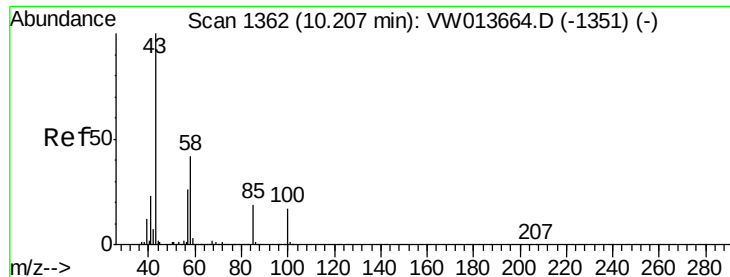
MMDadoda
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#50
Toluene-d8
Concen: 53.617 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 272.876 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tot Ion: 43 Resp: 412053

Ion Ratio Lower Upper

43 100

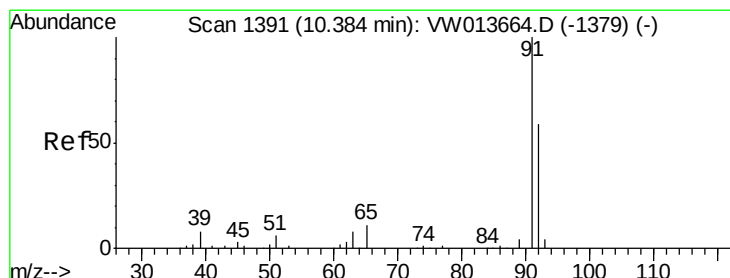
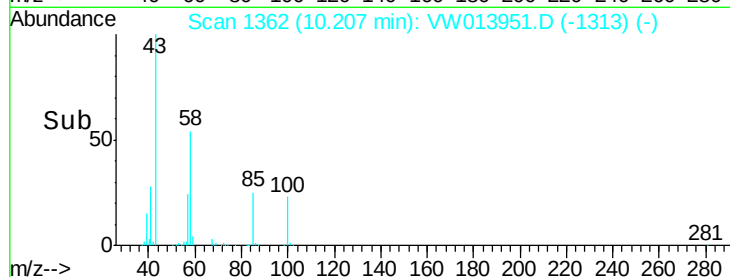
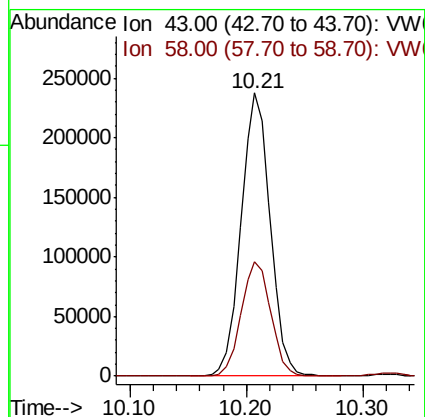
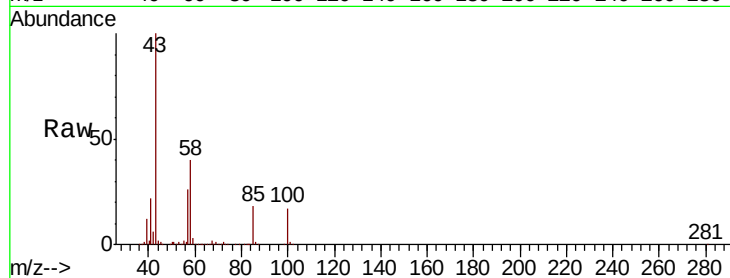
58 41.3 32.6 49.0

Manual Integrations

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#52

Toluene

Concen: 50.299 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013951.D

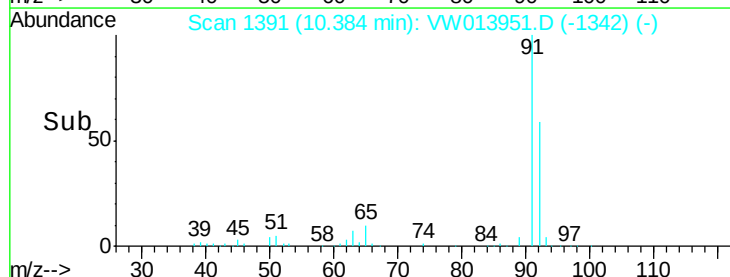
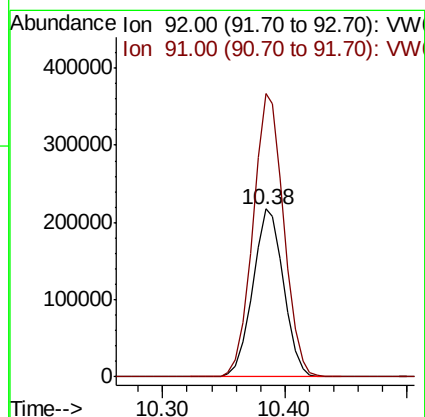
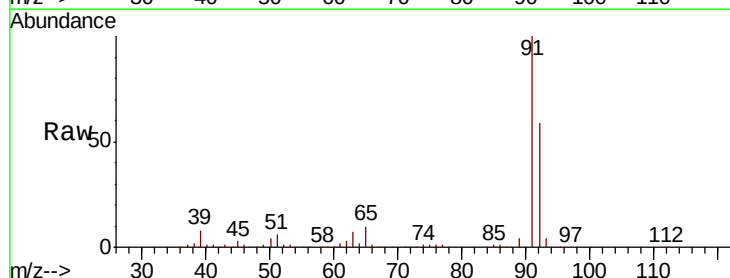
Acq: 08 Nov 2019 18:03

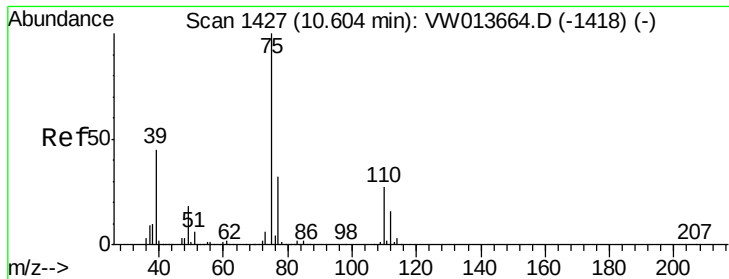
Tgt Ion: 92 Resp: 380799

Ion Ratio Lower Upper

92 100

91 168.3 134.5 201.7





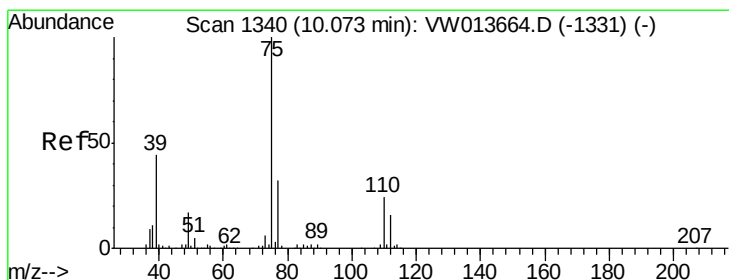
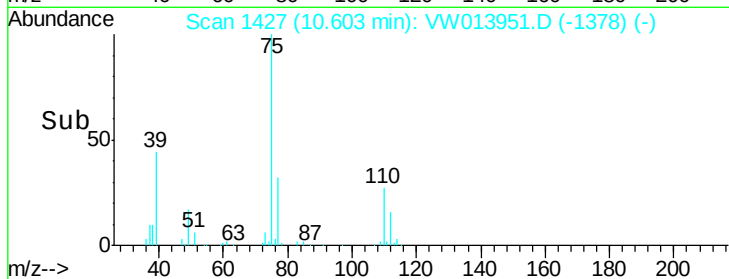
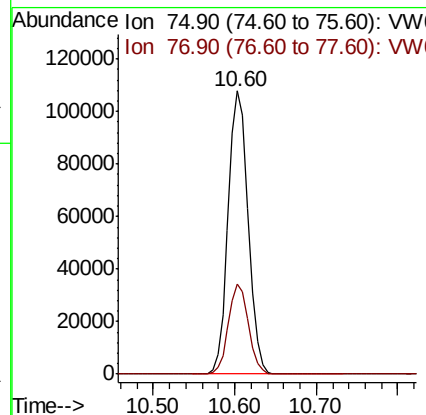
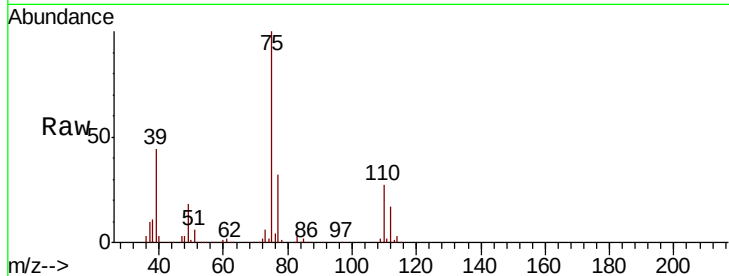
#53
 t-1,3-Dichloropropene
 Concen: 51.254 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

Tot Ion: 75 Resp: 182670
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.5 38.3

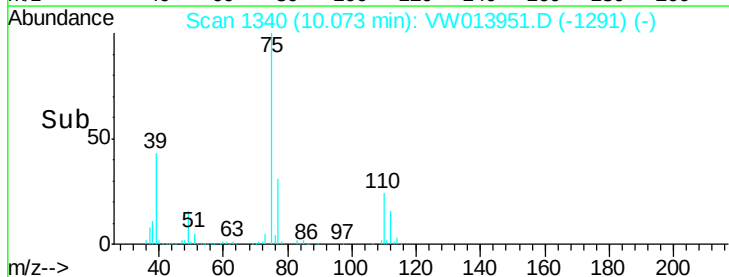
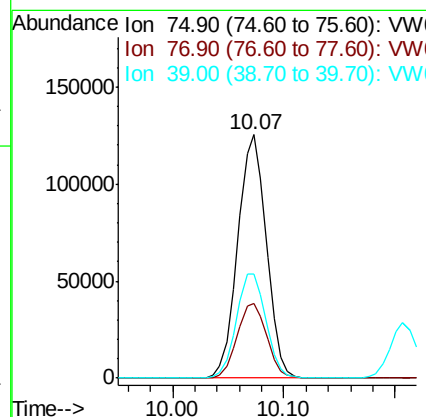
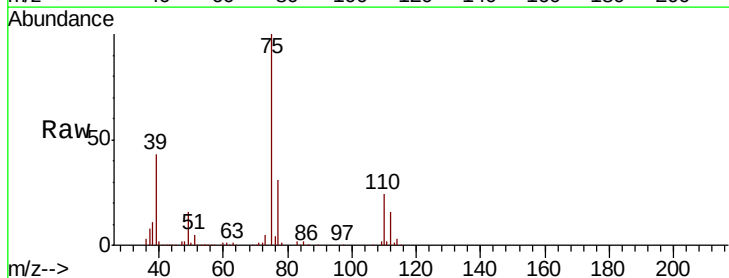
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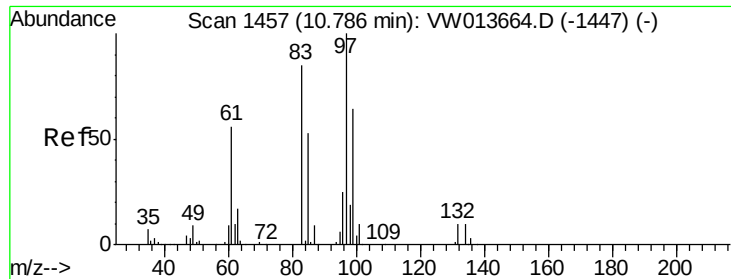
MMDadoda
 11/12/2019 12:58:58 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.712 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion: 75 Resp: 222989
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.8 38.6
 39 42.9 35.3 52.9





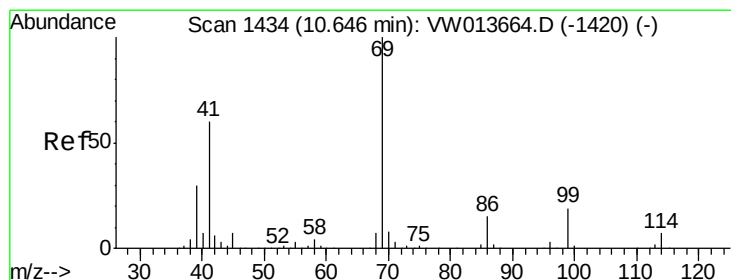
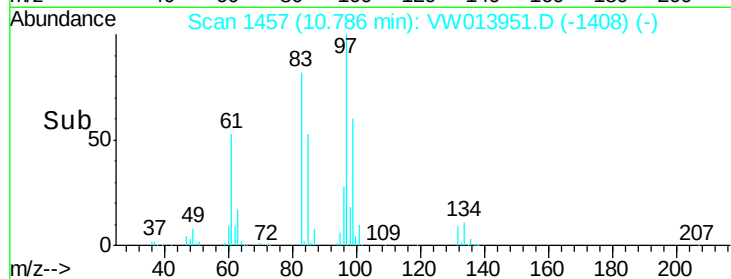
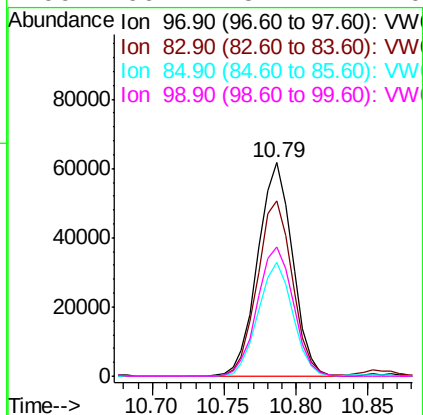
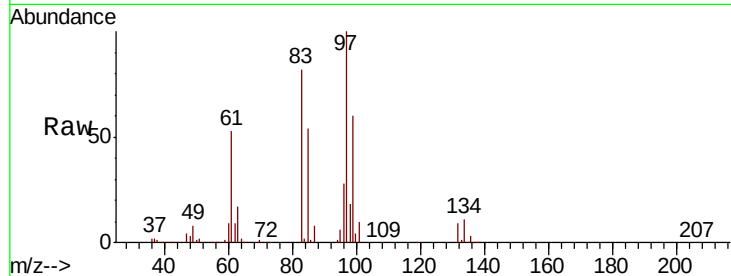
#55
 1,1,2-Trichloroethane
 Concen: 50.784 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		102981		
83	82.2	67.8	101.8		
85	53.6	42.1	63.1		
99	60.4	51.4	77.0		

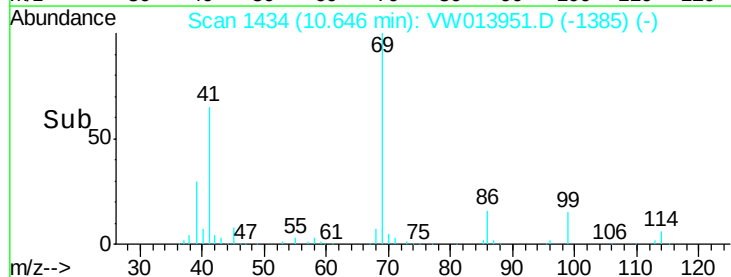
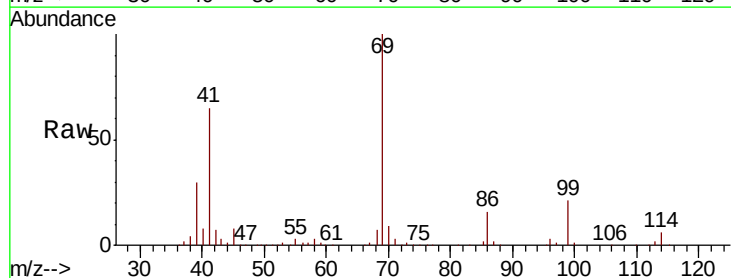
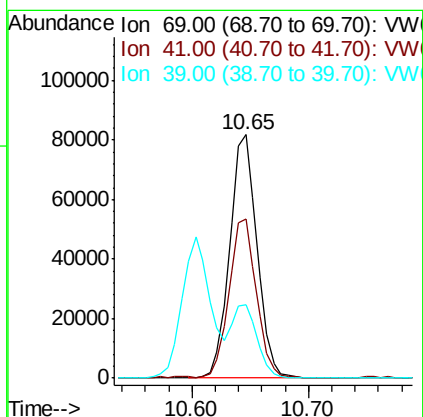
Manual Integrations
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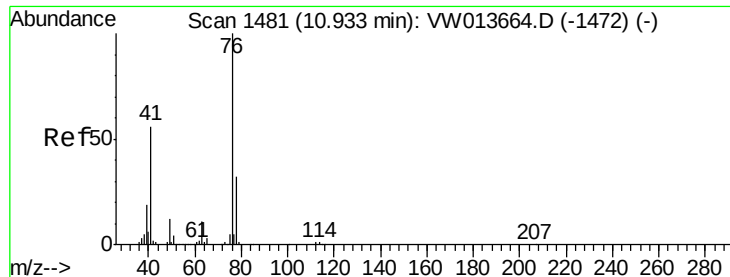
MMDadoda
 11/12/2019 12:58:58 PM



#56
 Ethyl methacrylate
 Concen: 52.747 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		133824		
41	66.4	51.6	77.4		
39	27.8	22.4	33.6		





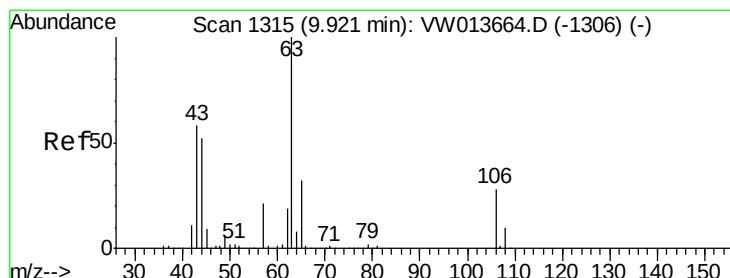
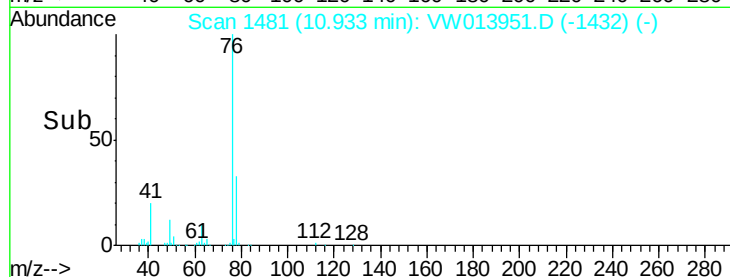
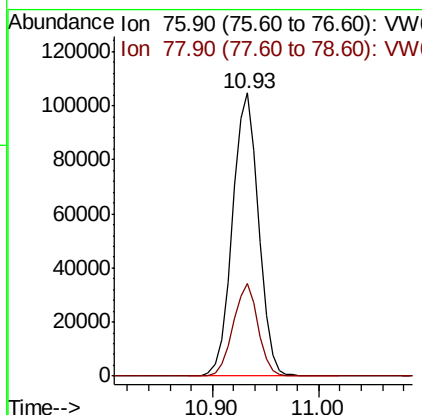
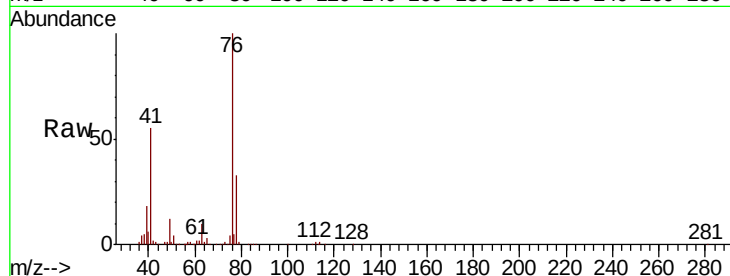
#57
 1,3-Dichloropropane
 Concen: 51.629 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	26.0	39.0

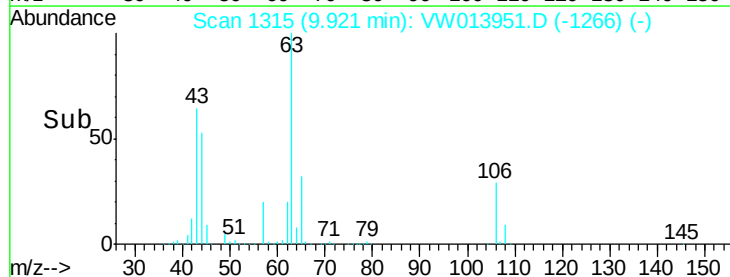
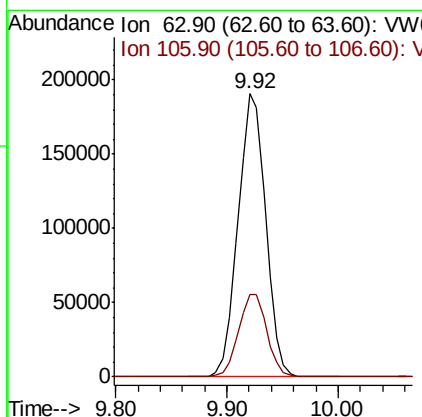
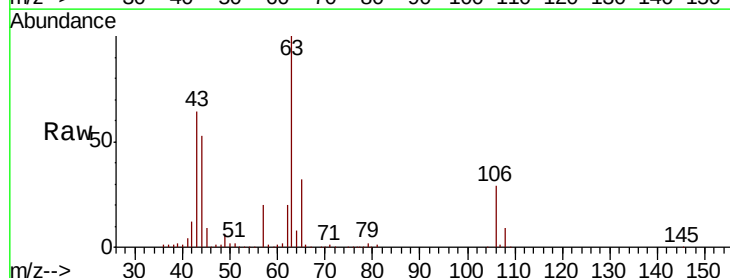
Manual Integrations
 APPROVED

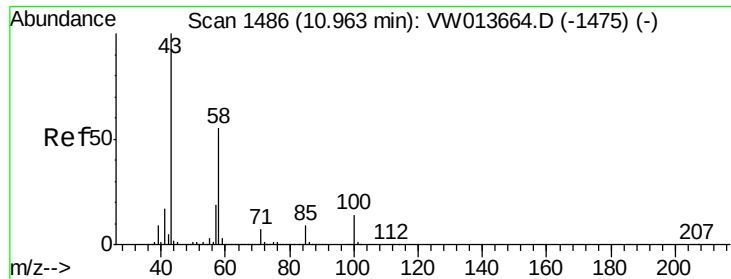
MMDadoda
 11/12/2019 12:58:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.893 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.8	35.8





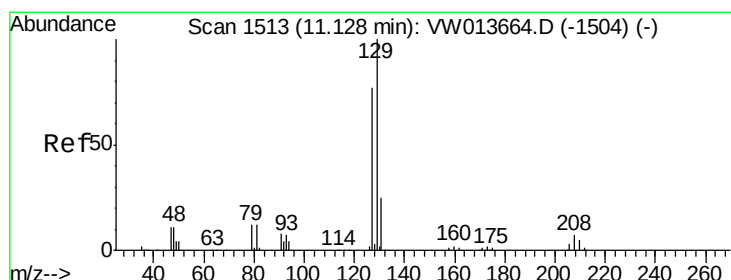
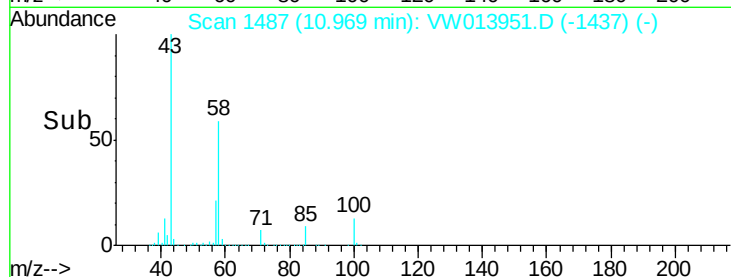
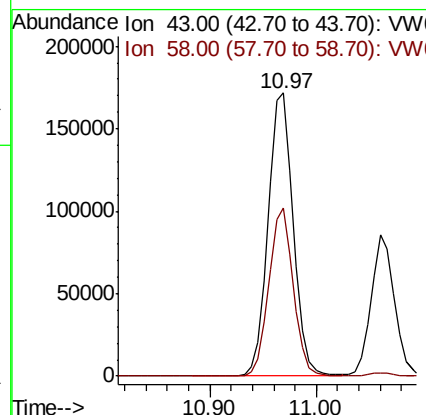
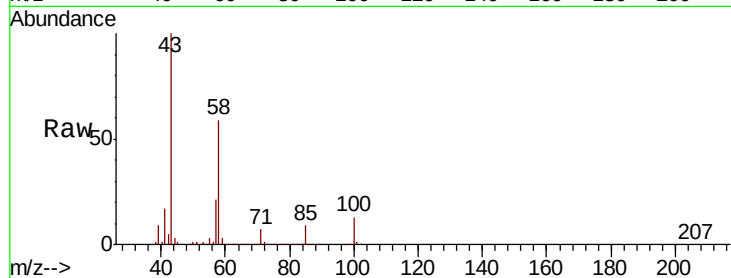
#59
2-Hexanone
Concen: 274.186 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.6	27.9	83.7

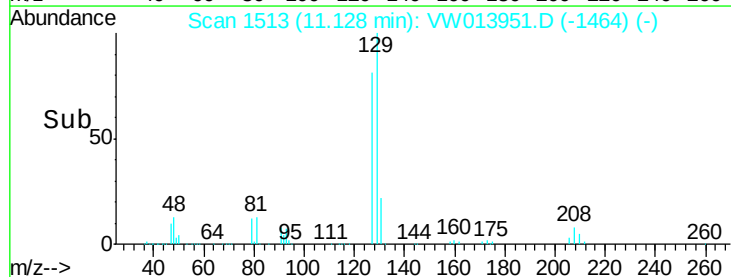
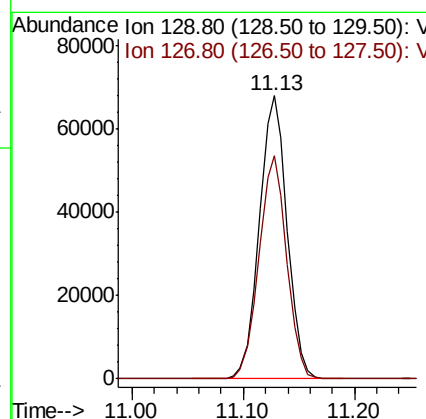
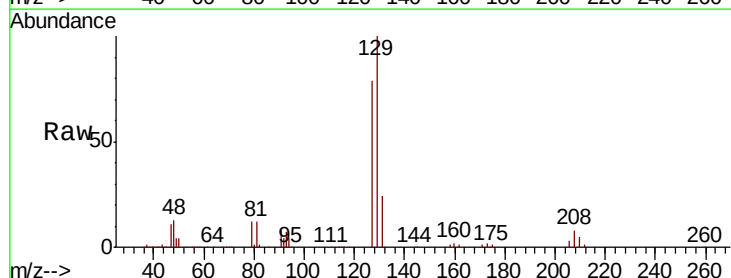
Manual Integrations
APPROVED

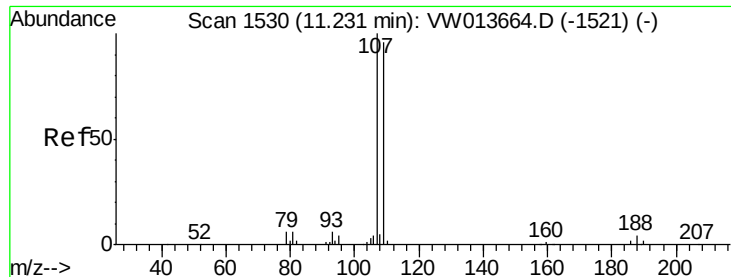
MMDadoda
11/12/2019 12:58:58 PM



#60
Dibromochloromethane
Concen: 49.118 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.9	116.7





#61

1,2-Dibromoethane

Concen: 50.450 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tot Ion: 107 Resp: 96787

Ion Ratio Lower Upper

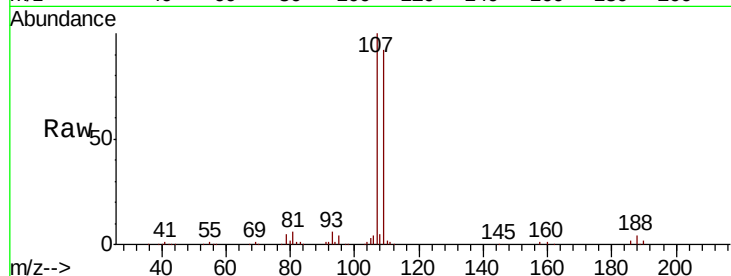
107 100

109 94.4 75.7 113.5

Manual Integrations
APPROVED

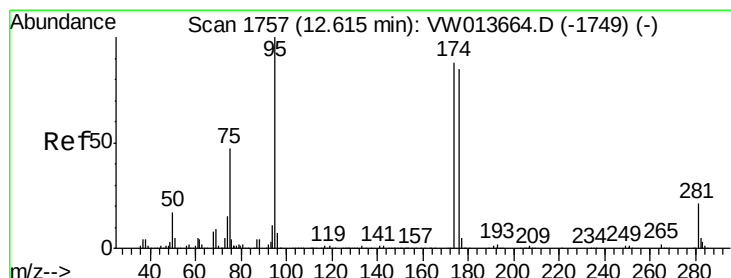
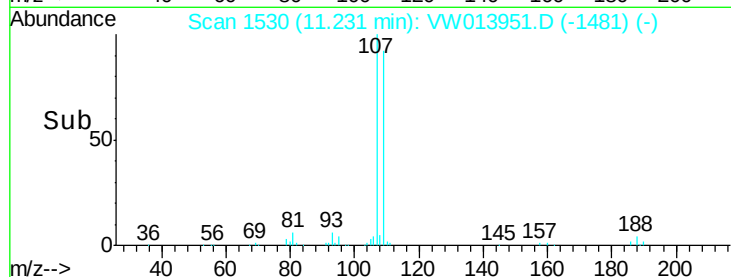
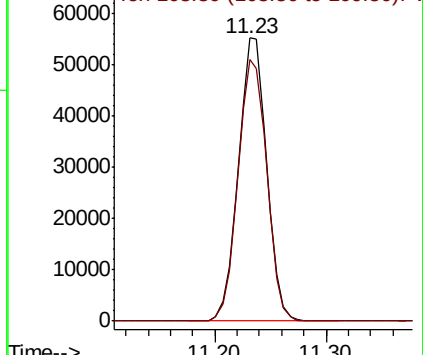
MMDadoda

11/12/2019 12:58:58 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.271 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

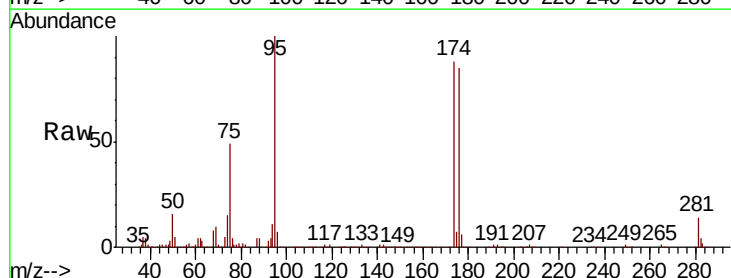
Tgt Ion: 95 Resp: 181868

Ion Ratio Lower Upper

95 100

174 88.8 0.0 183.6

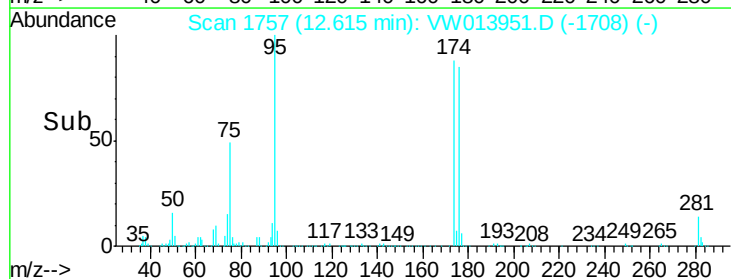
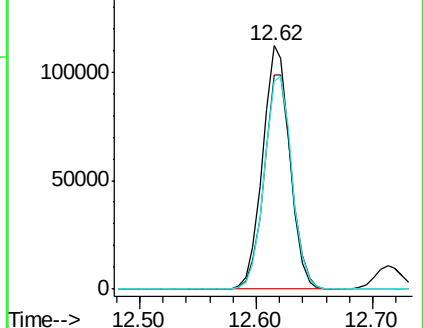
176 88.6 0.0 178.0

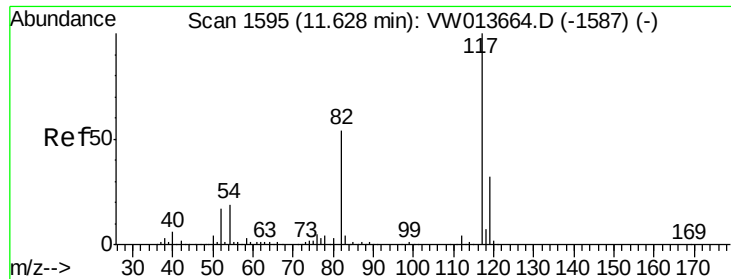


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





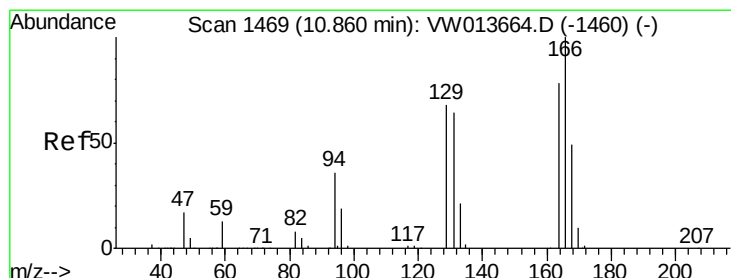
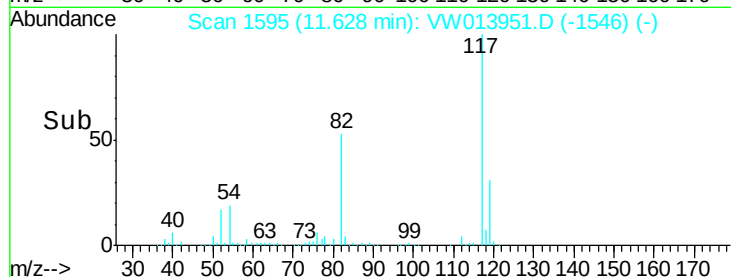
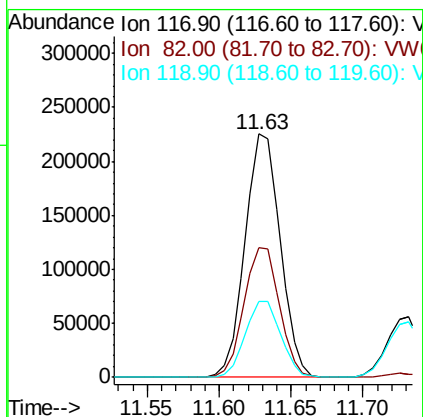
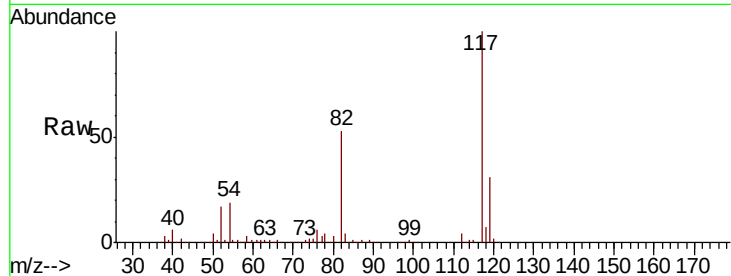
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	43.6	65.4
119	31.0	25.4	38.2

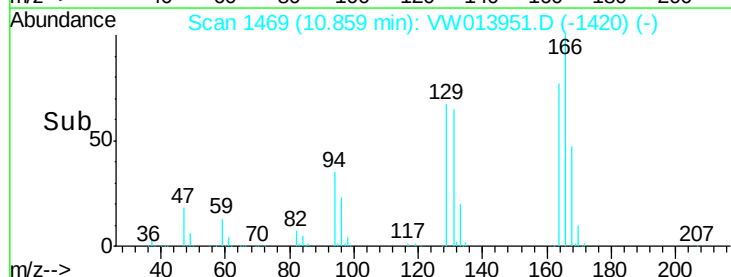
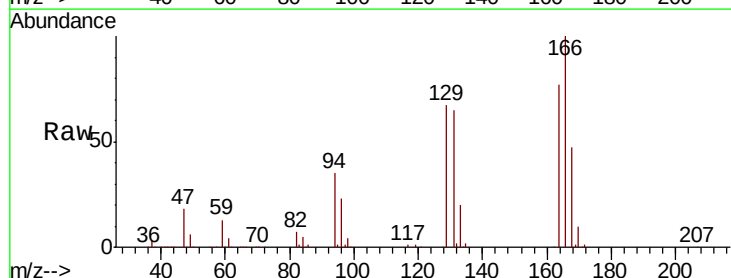
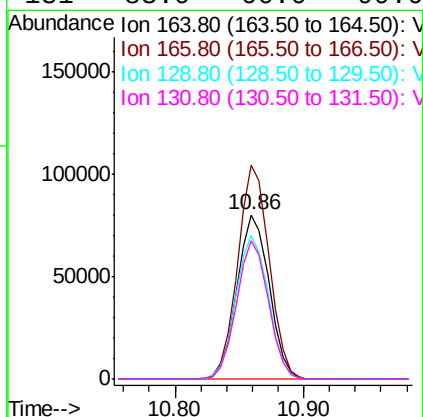
Manual Integrations
APPROVED

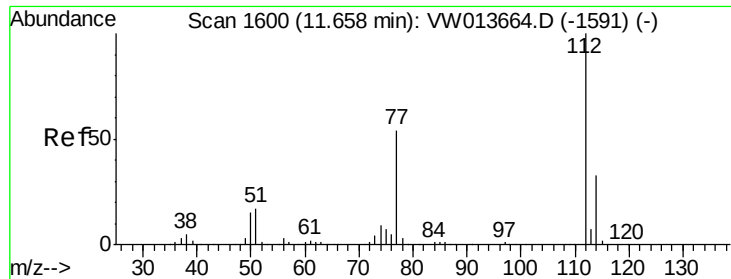
MMDadoda
11/12/2019 12:58:58 PM



#64
Tetrachloroethene
Concen: 47.592 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	103.2	154.8
129	87.2	70.6	105.8
131	83.9	66.0	99.0





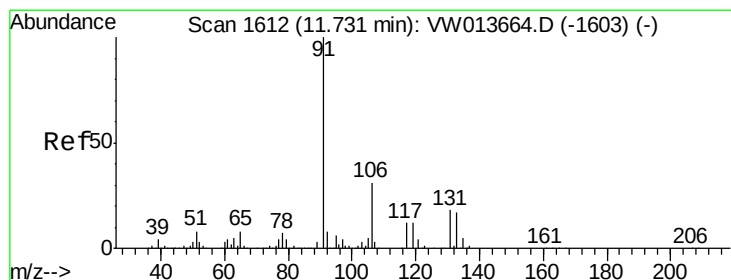
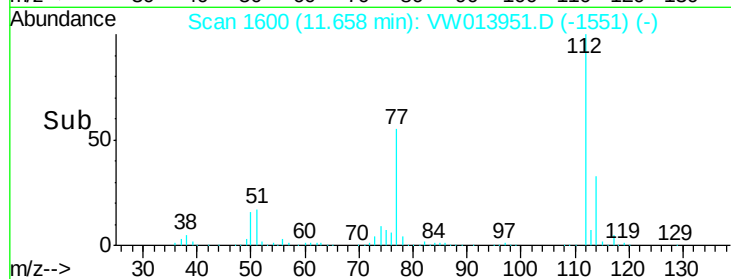
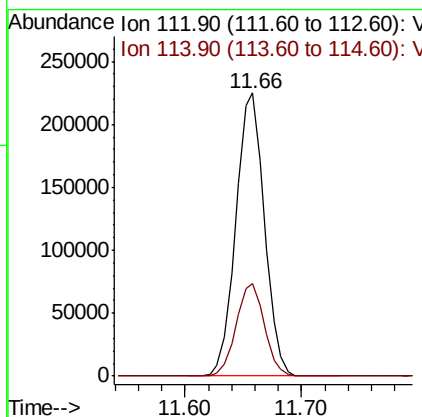
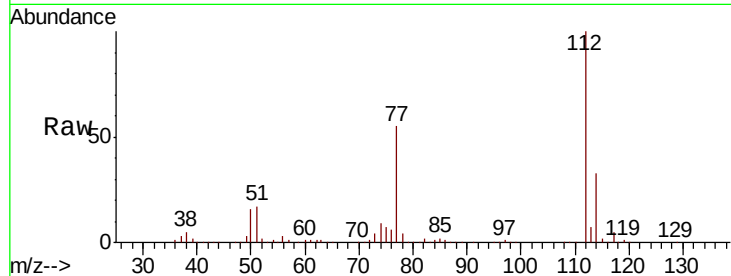
#65
Chlorobenzene
Concen: 49.235 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.2	39.4

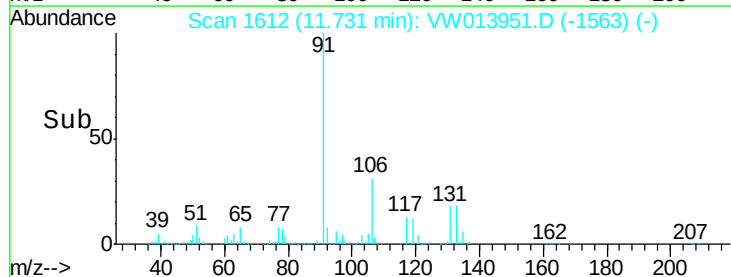
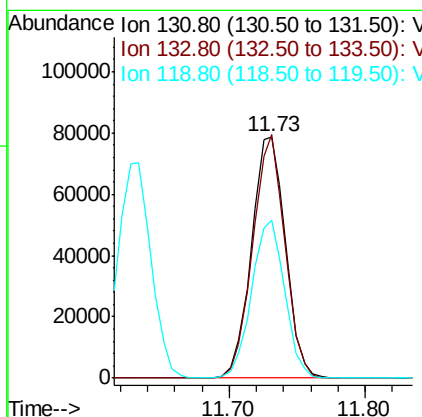
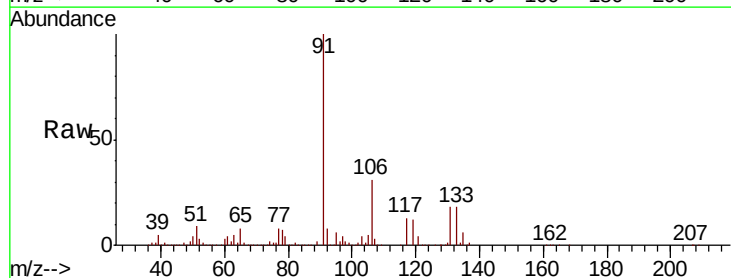
Manual Integrations
APPROVED

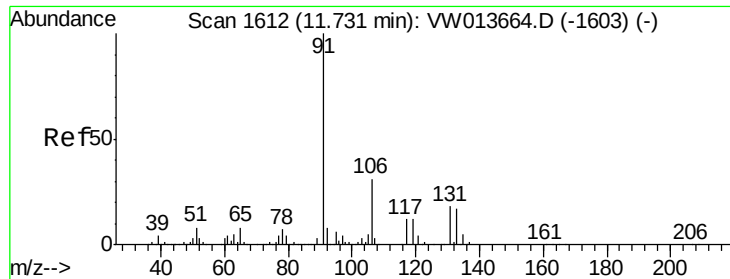
MMDadoda
11/12/2019 12:58:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.667 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.4	142.3
119	63.6	33.1	99.2





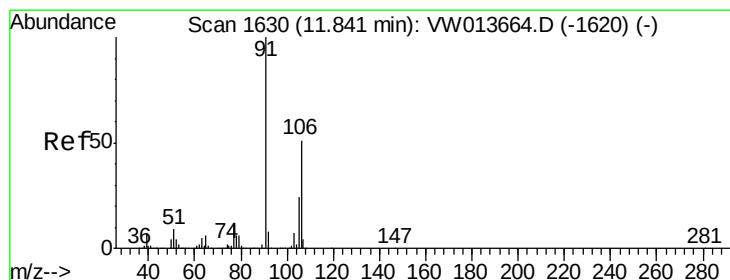
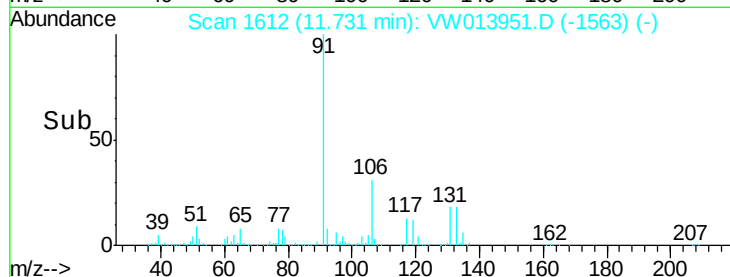
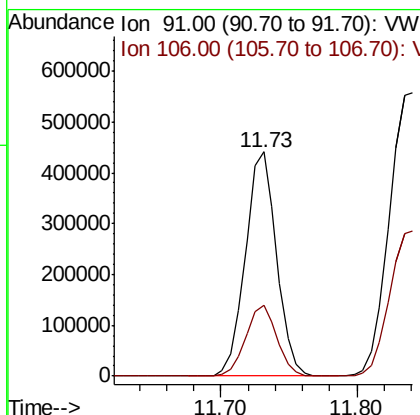
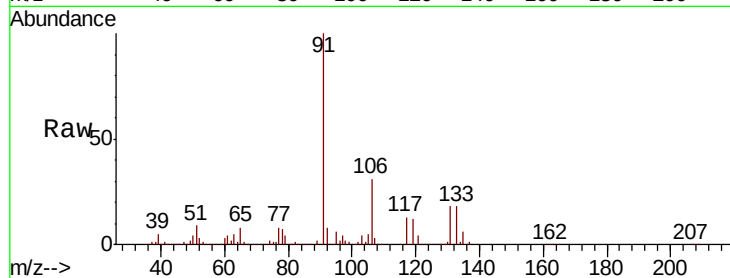
#67
Ethyl Benzene
Concen: 50.042 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion: 91 Resp: 706140
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6

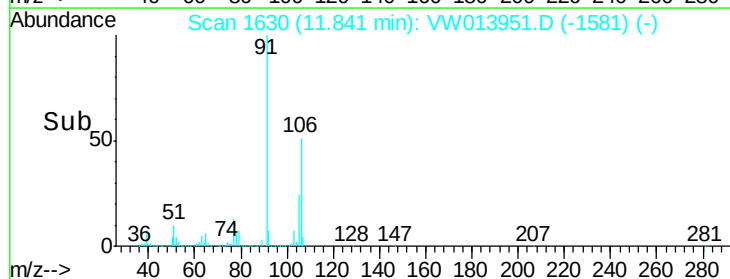
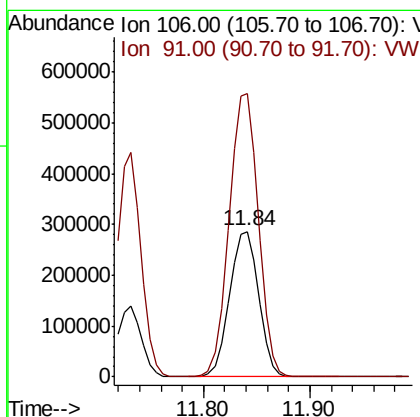
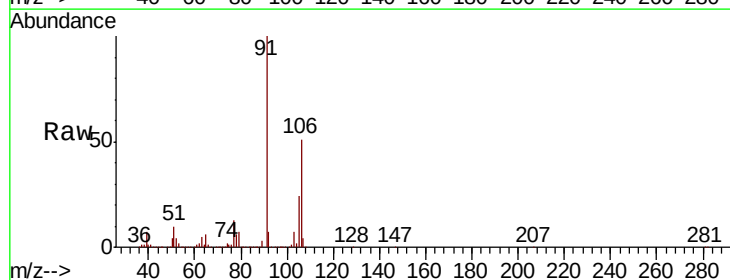
Manual Integrations
APPROVED

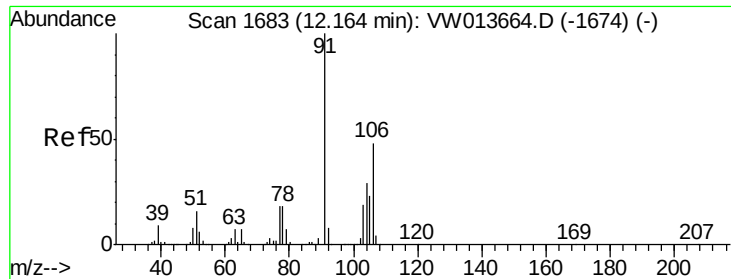
MMDadoda
11/12/2019 12:58:58 PM



#68
m/p-Xylenes
Concen: 100.737 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion: 106 Resp: 549201
Ion Ratio Lower Upper
106 100
91 195.4 159.2 238.8





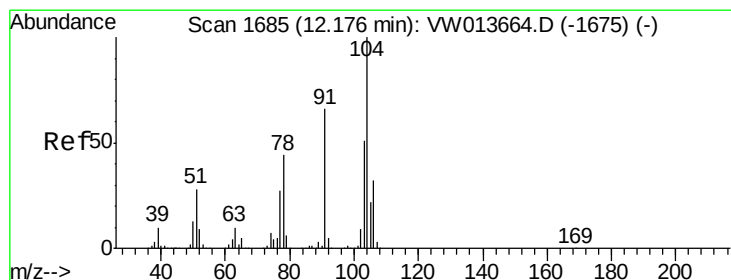
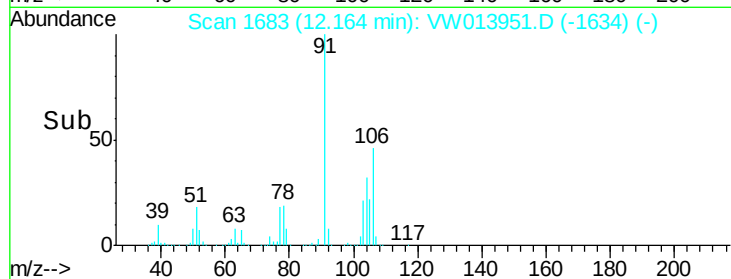
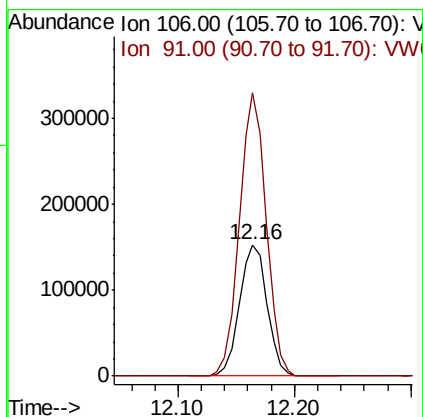
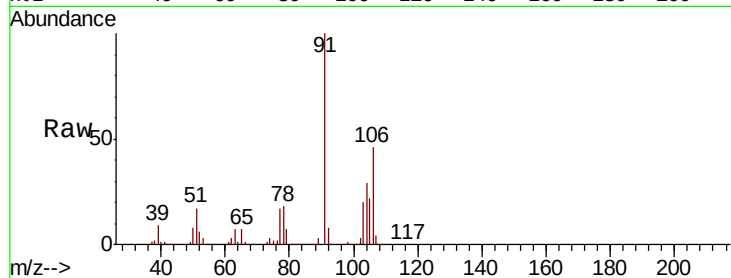
#69
o-Xylene
Concen: 50.399 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.7	104.9	314.7

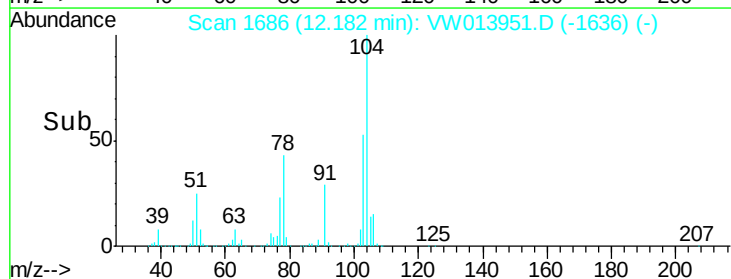
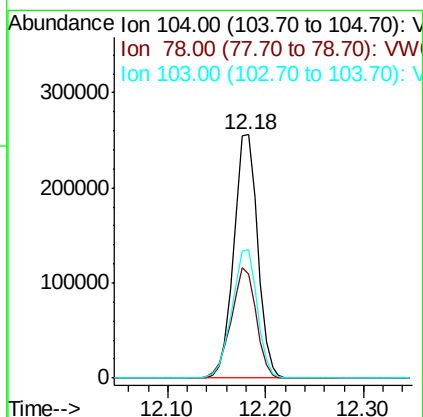
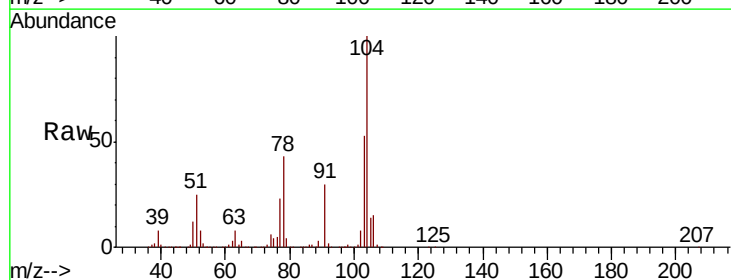
Manual Integrations
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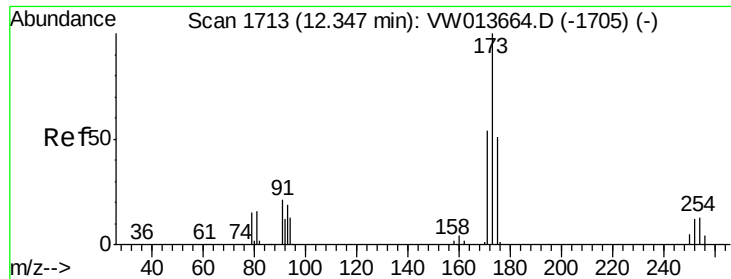
MMDadoda
11/12/2019 12:58:58 PM



#70
Styrene
Concen: 50.451 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.4	37.1	55.7
103	55.7	43.6	65.4





#71

Bromoform

Concen: 49.819 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tot Ion:173 Resp: 71403

Ion Ratio Lower Upper

173 100

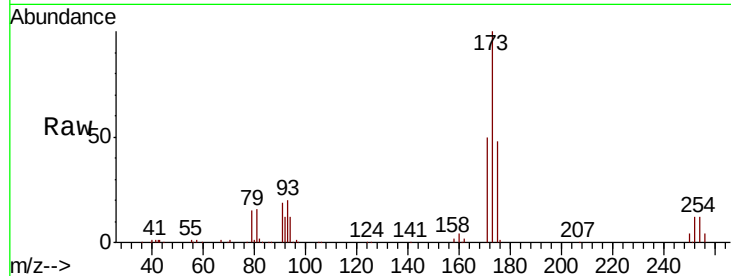
175 47.4 25.2 75.6

254 0.1 0.1 0.1

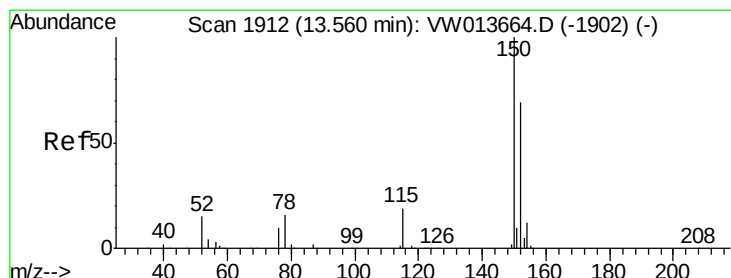
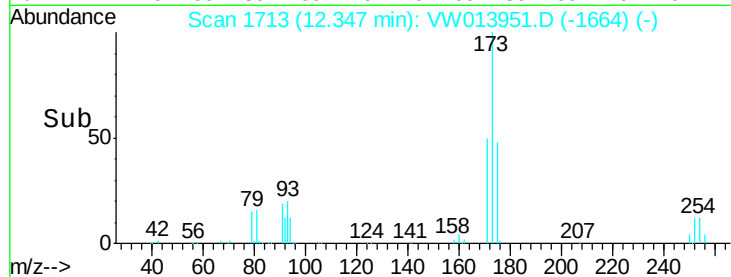
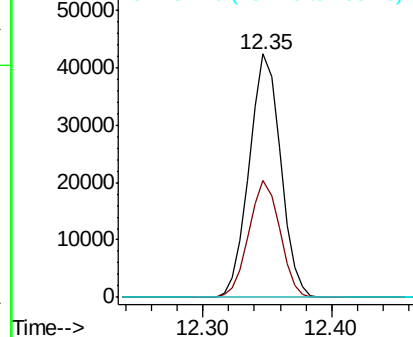
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

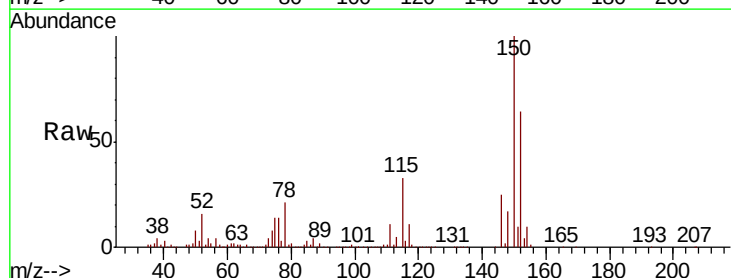
Tgt Ion:152 Resp: 190073

Ion Ratio Lower Upper

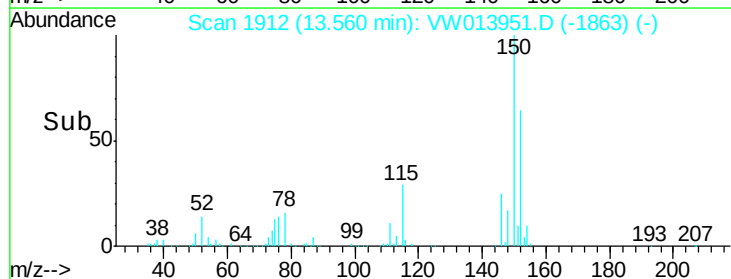
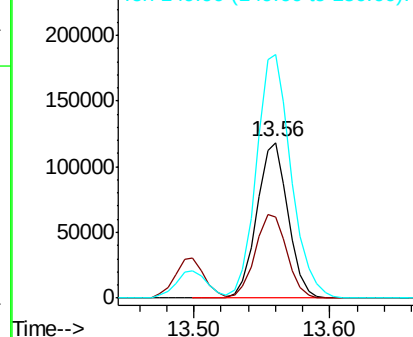
152 100

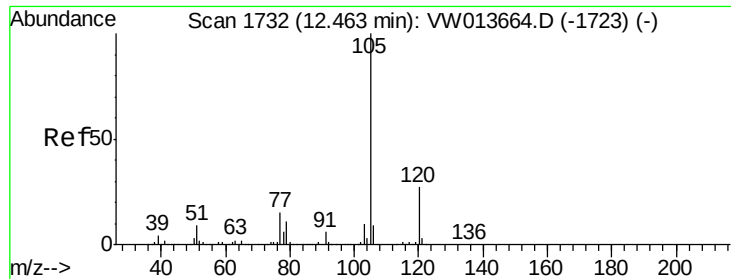
115 54.7 27.4 82.2

150 173.7 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





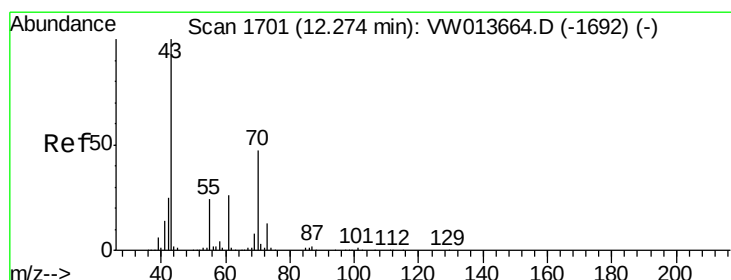
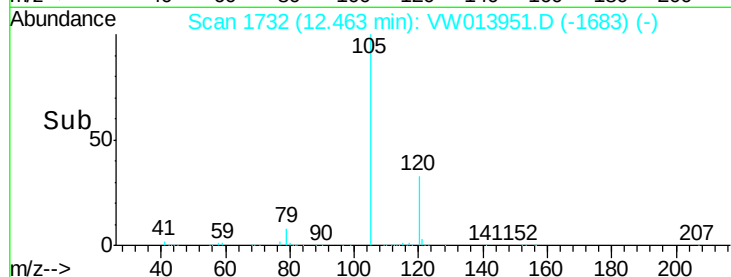
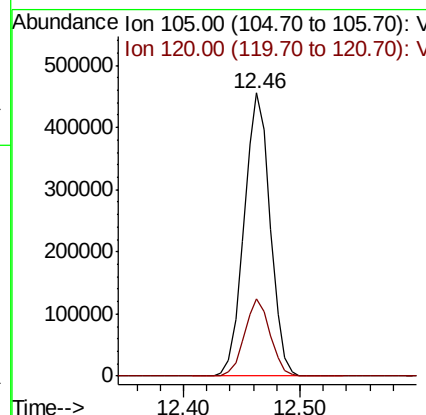
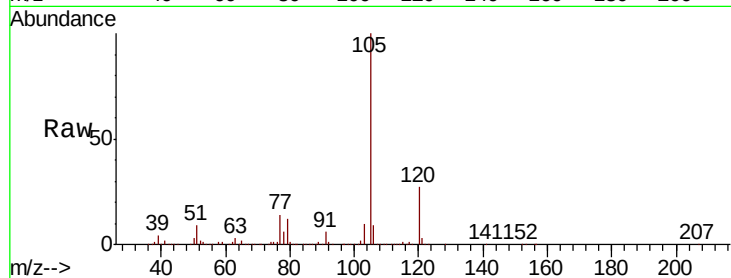
#73
Isopropylbenzene
Concen: 51.849 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4

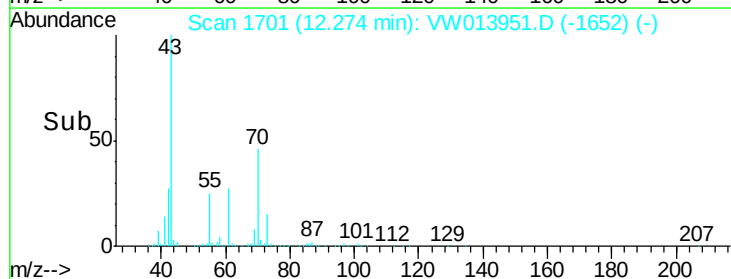
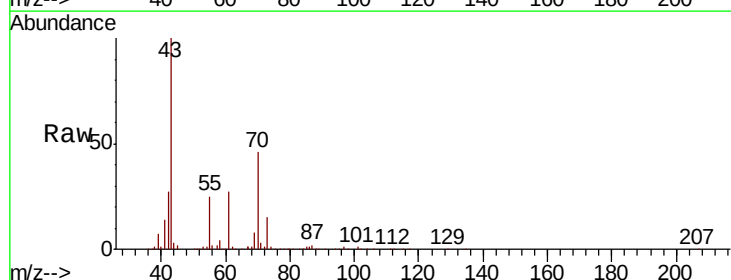
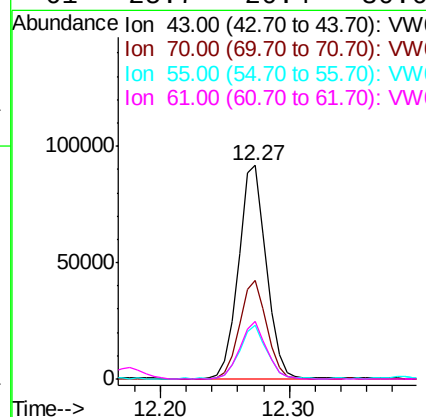
Manual Integrations
APPROVED

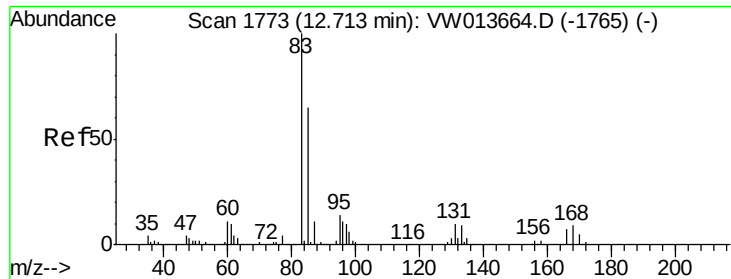
MMDadoda
11/12/2019 12:58:58 PM



#74
N-ethyl acetate
Concen: 51.875 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.5	36.6	55.0
55	24.2	20.3	30.5
61	25.7	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.955 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

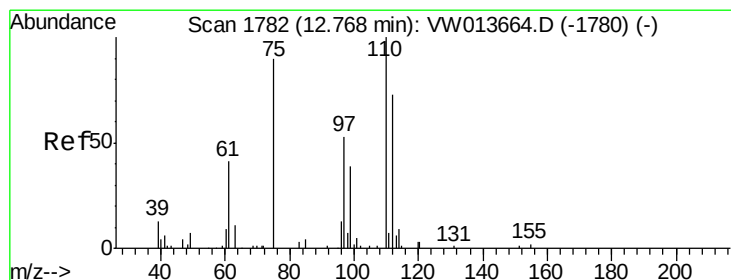
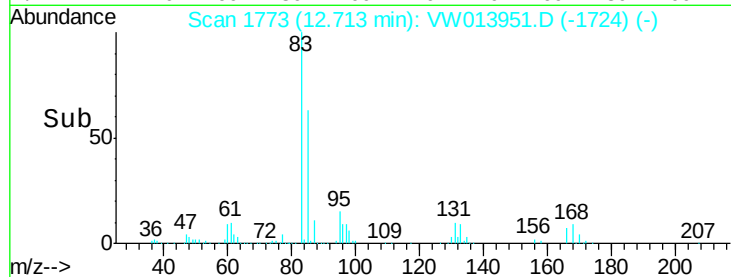
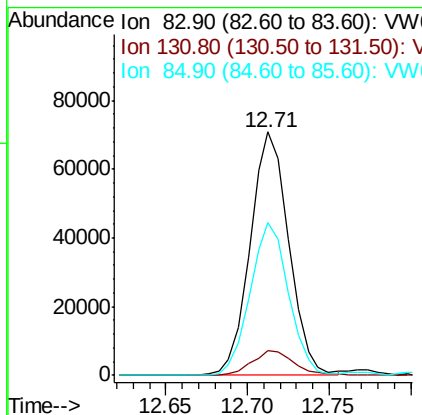
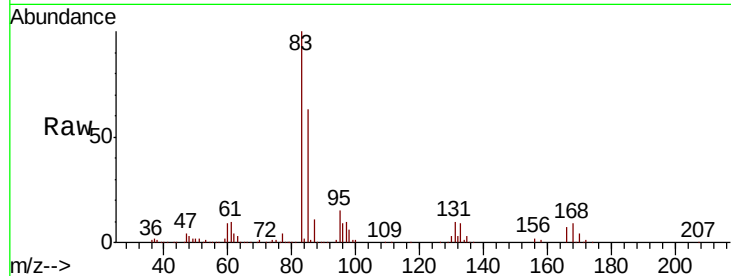
ClientSampleId :

SB-38-(2-4)MSD

Tot Ion:	83	Resp:	116218
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.1
85	62.5	32.5	97.4

Manual Integrations
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11/12/2019 12:58:58 PM



#76

1,2,3-Trichloropropane

Concen: 63.833 ug/l m

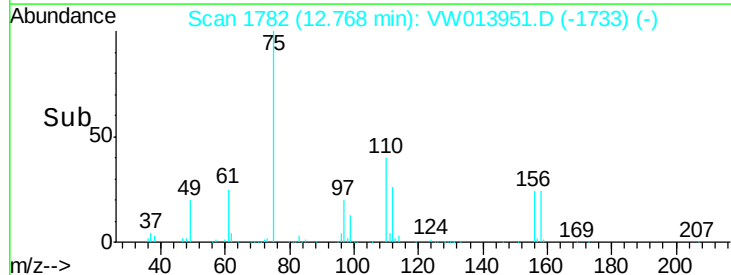
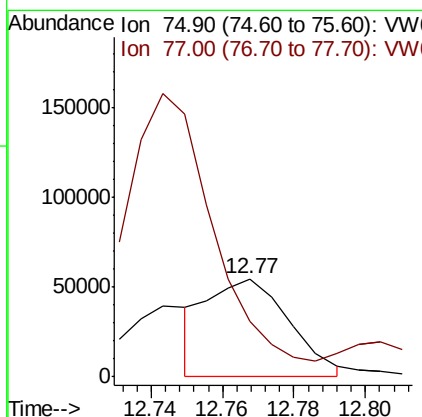
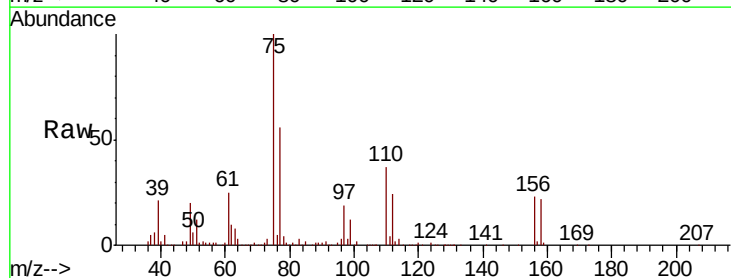
RT: 12.77 min Scan# 1782

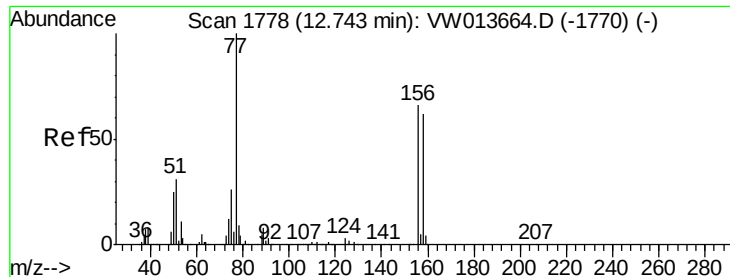
Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Tgt Ion:	75	Resp:	87131
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.266 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

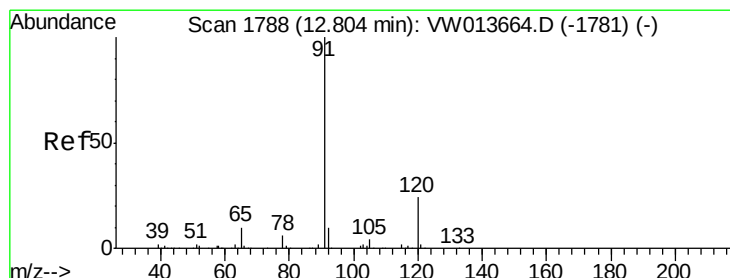
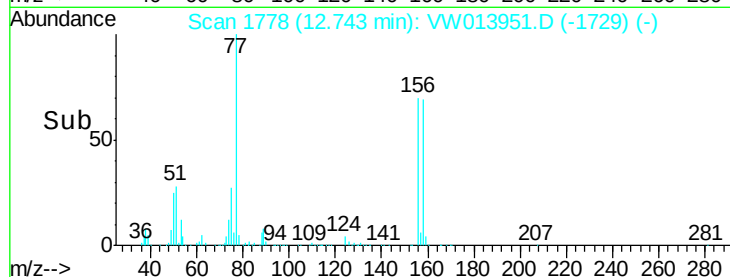
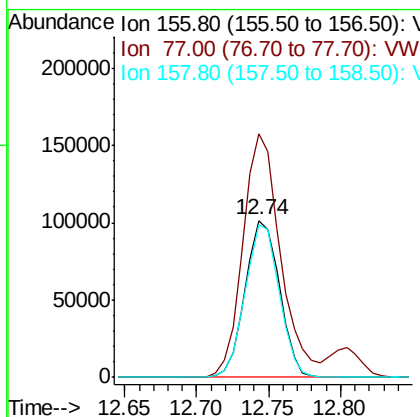
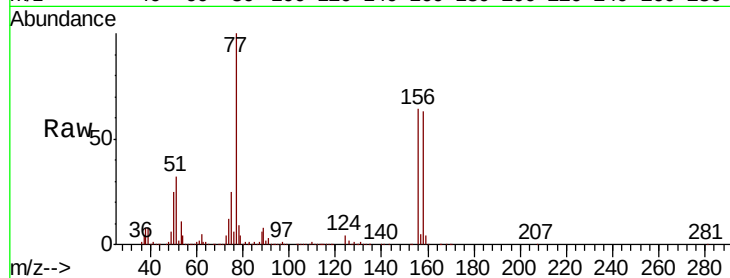
ClientSampleId :

SB-38-(2-4)MSD

Tot Ion:	156	Resp:	167166
Ion Ratio	Lower	Upper	
156	100		
77	170.0	82.9	248.7
158	96.8	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 51.024 ug/l

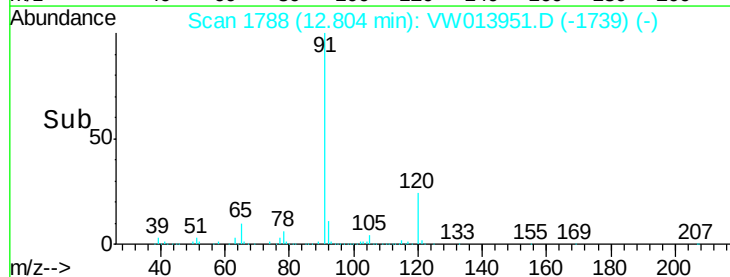
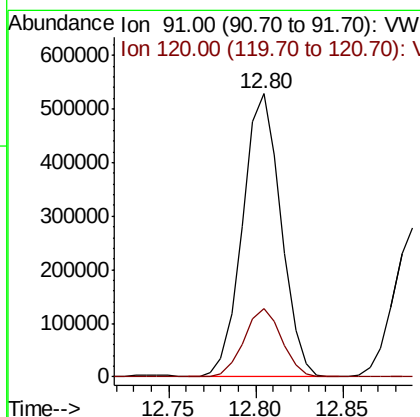
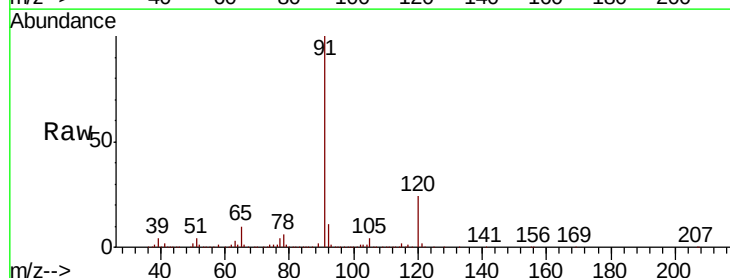
RT: 12.80 min Scan# 1788

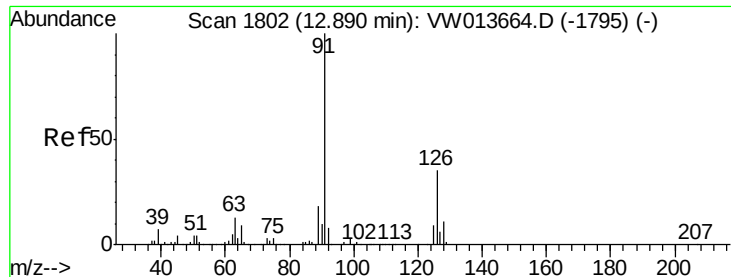
Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Tgt Ion:	91	Resp:	806113
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0





#79

2-Chlorotoluene

Concen: 51.315 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tot Ion: 91 Resp: 455596

Ion Ratio Lower Upper

91 100

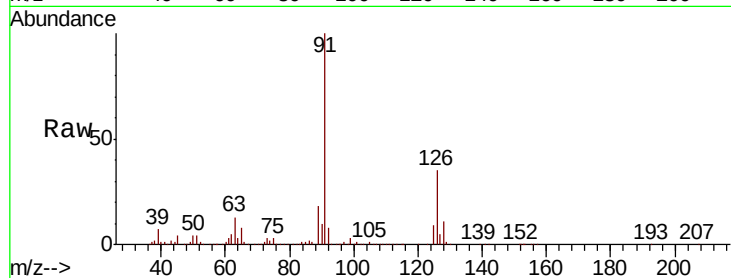
126 35.0 17.4 52.2

Manual Integrations

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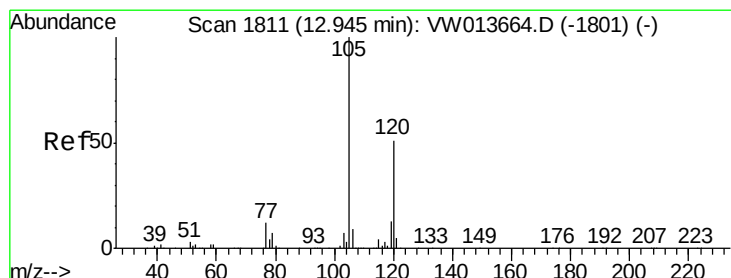
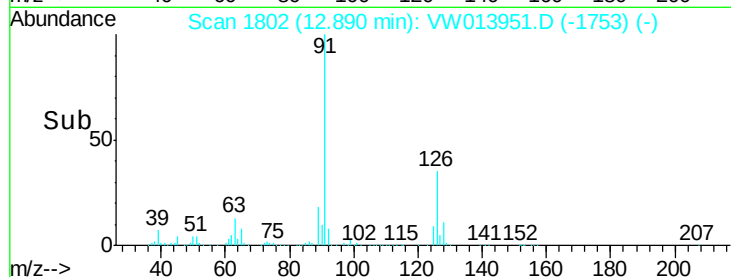
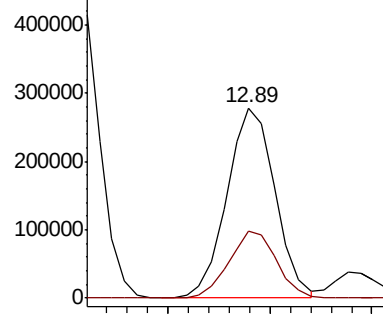
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.604 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013951.D

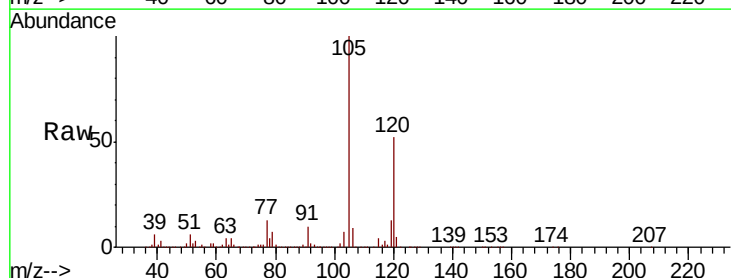
Acq: 08 Nov 2019 18:03

Tgt Ion:105 Resp: 594608

Ion Ratio Lower Upper

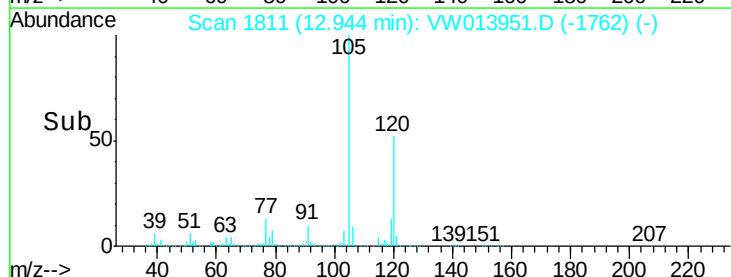
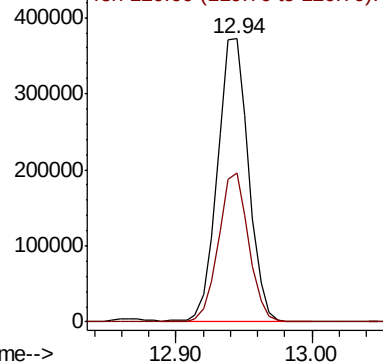
105 100

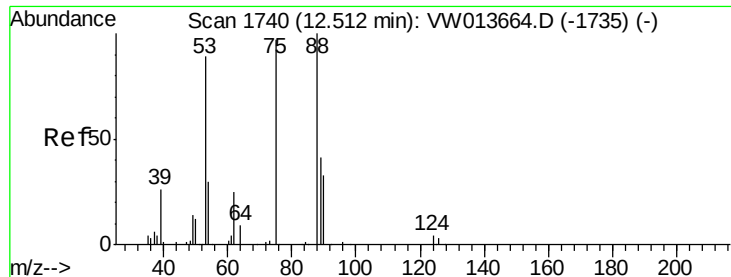
120 51.0 25.1 75.3



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: 52.390 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW013951.D

Acq: 08 Nov 2019 18:03

Instrument :

MSVOA_W

ClientSampleId :

SB-38-(2-4)MSD

Tot Ion: 75 Resp: 37840

Ion Ratio Lower Upper

75 100

53 88.4 71.7 107.5

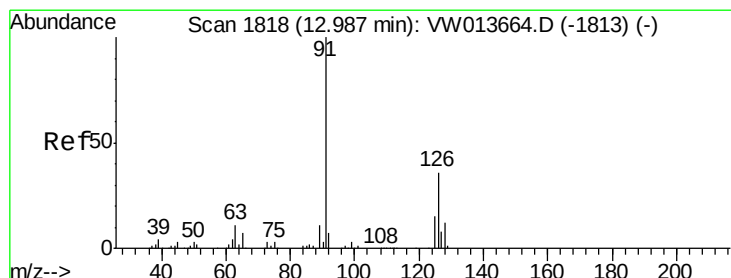
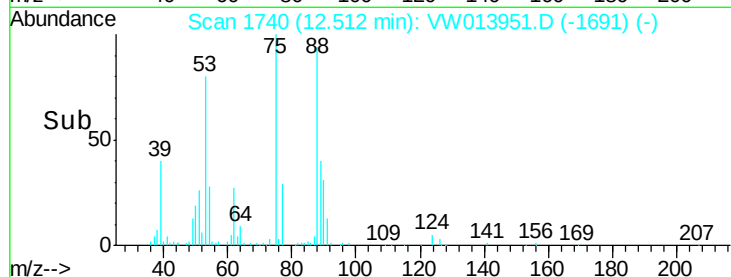
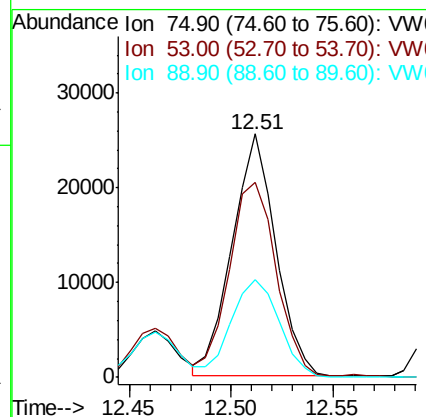
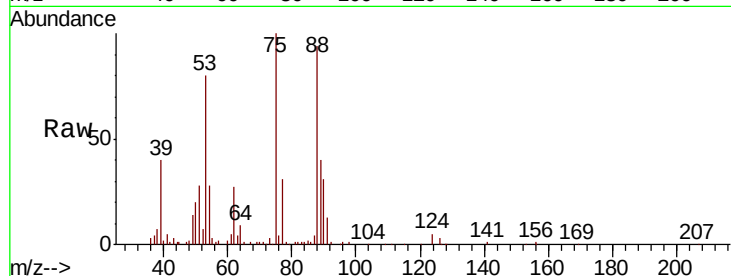
89 43.9 35.8 53.8

Manual Integrations

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#82

4-Chlorotoluene

Concen: 50.296 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW013951.D

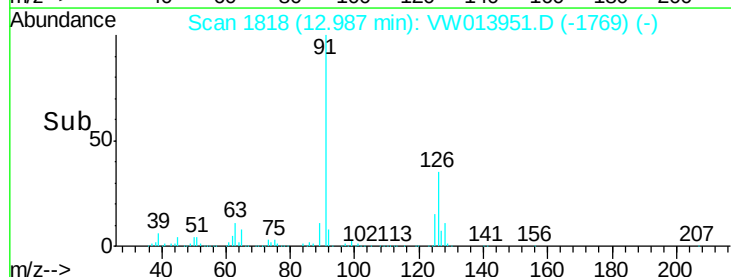
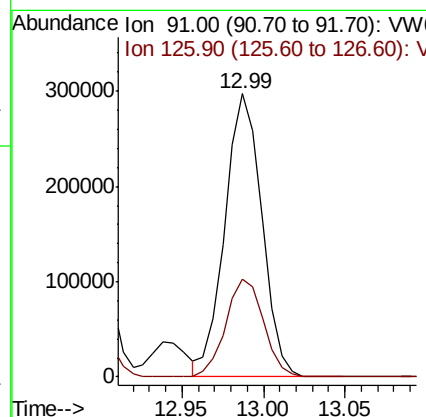
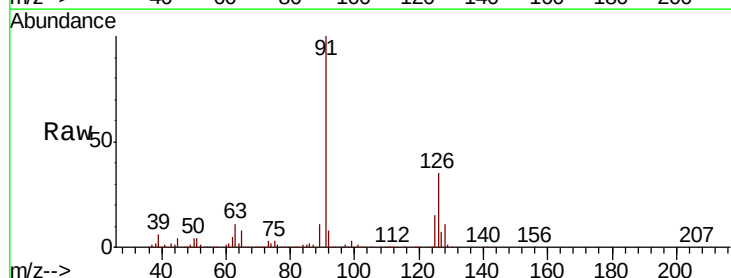
Acq: 08 Nov 2019 18:03

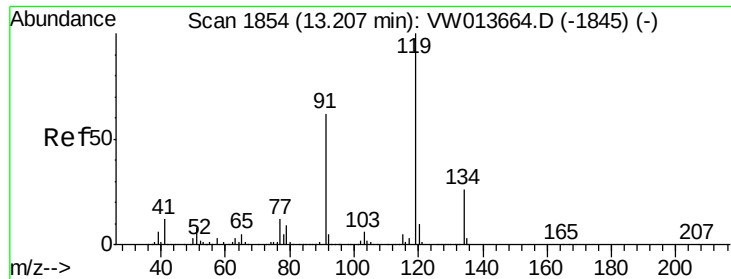
Tgt Ion: 91 Resp: 468807

Ion Ratio Lower Upper

91 100

126 35.2 17.2 51.5





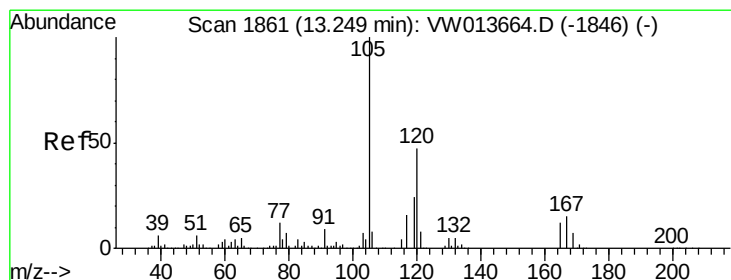
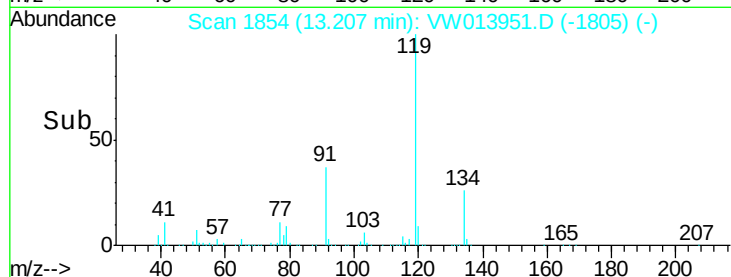
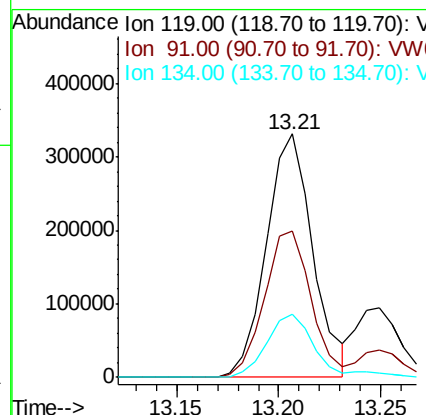
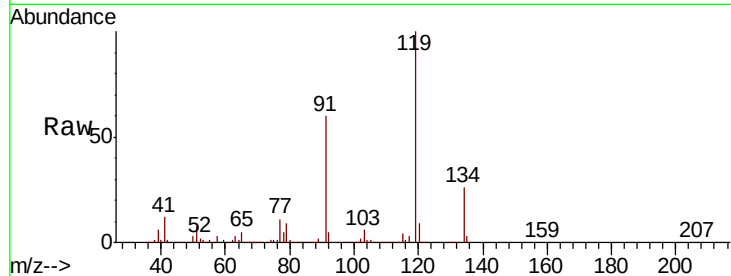
#83
tert-Butylbenzene
Concen: 51.346 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.4	91.3
134	27.5	13.6	40.8

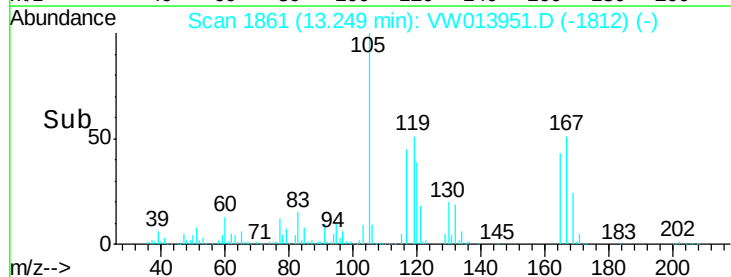
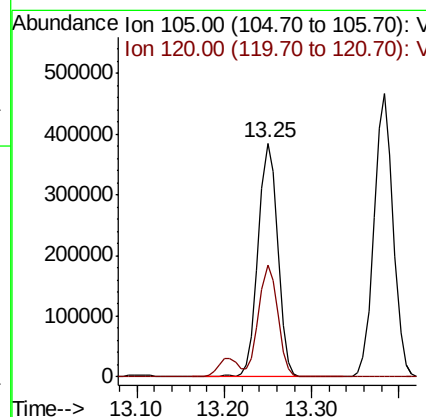
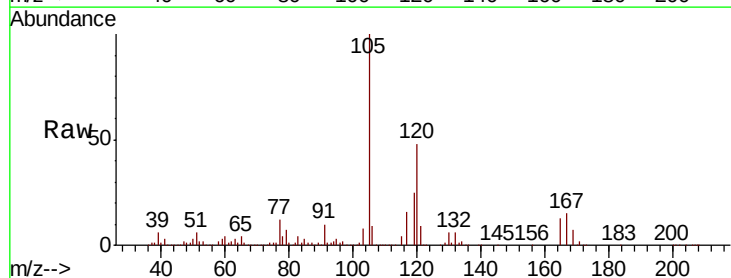
Manual Integrations
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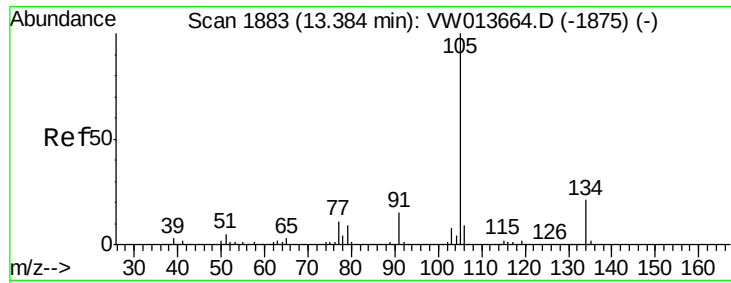
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.665 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.5	70.5





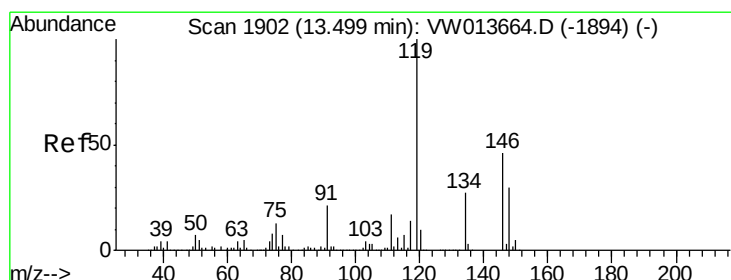
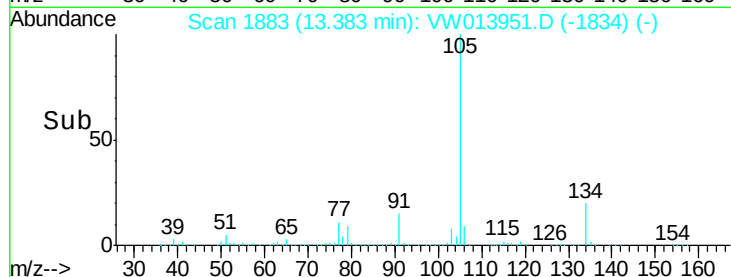
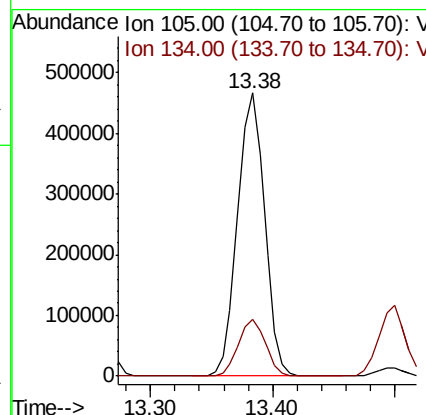
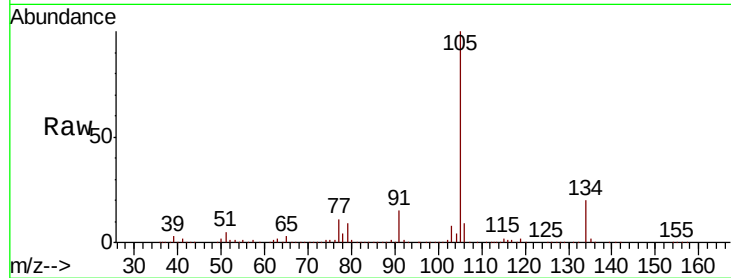
#85
 sec-Butylbenzene
 Concen: 50.952 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.5	31.5

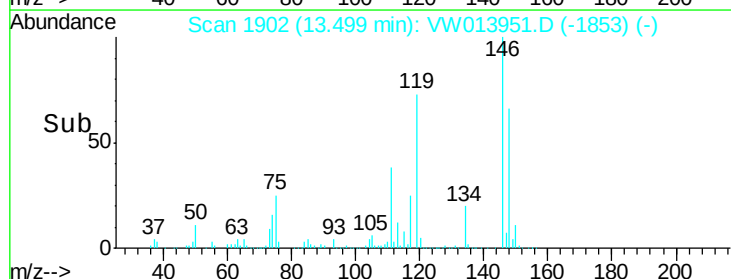
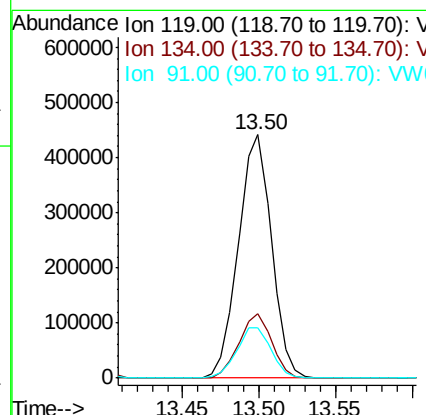
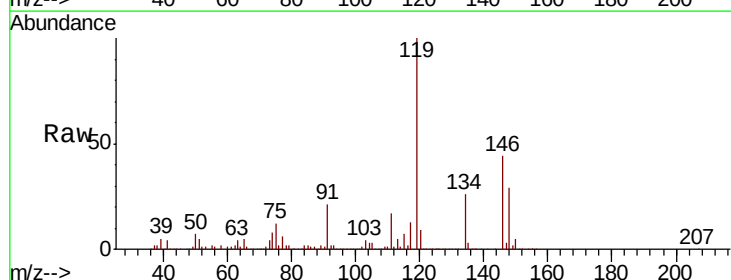
Manual Integrations
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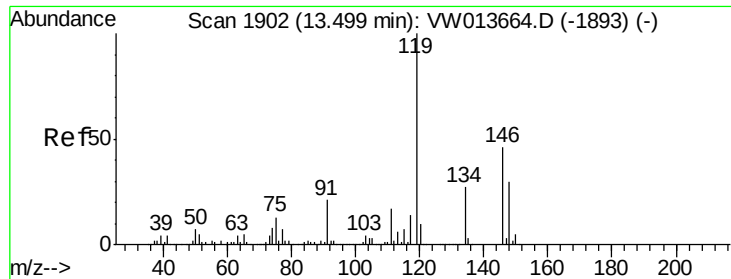
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#86
 p-Isopropyltoluene
 Concen: 50.881 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.4	40.1
91	21.3	10.8	32.3





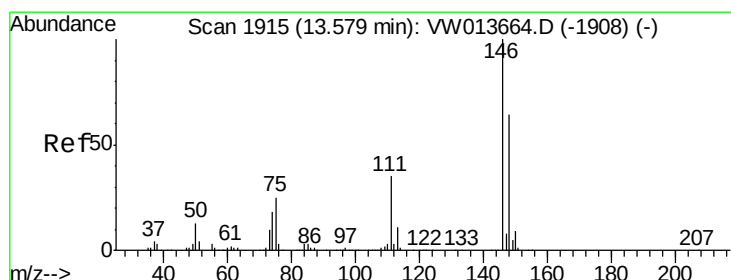
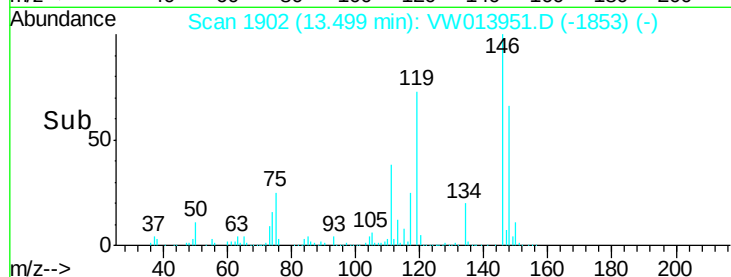
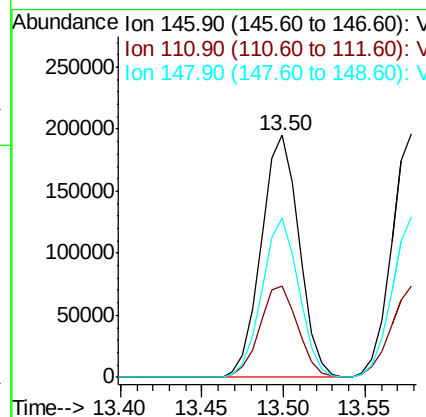
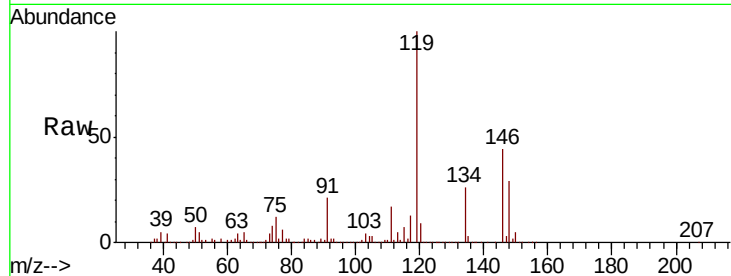
#87
 1,3-Dichlorobenzene
 Concen: 49.959 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	315630		
111	37.8	18.6	56.0	
148	63.8	31.7	95.1	

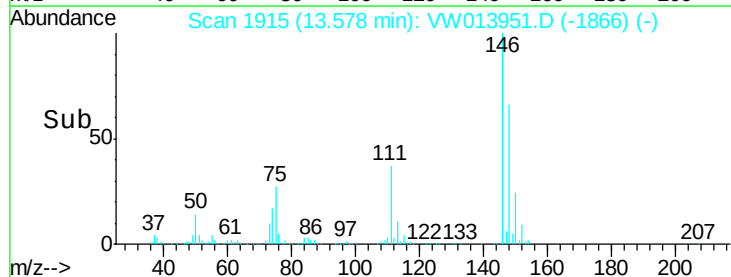
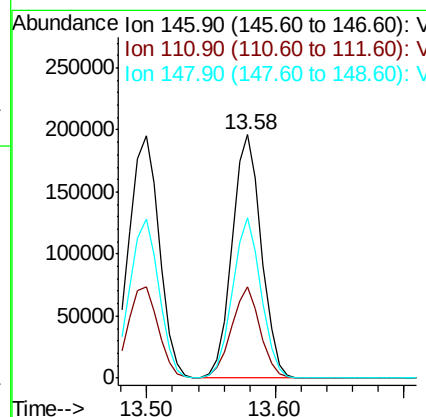
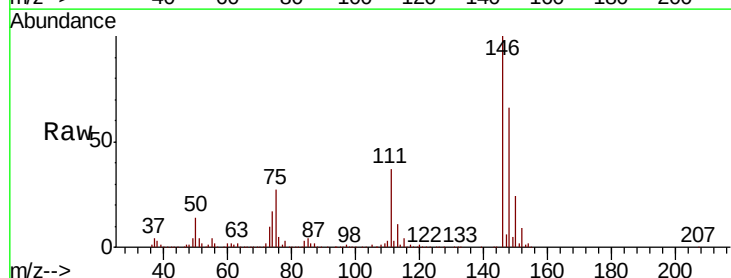
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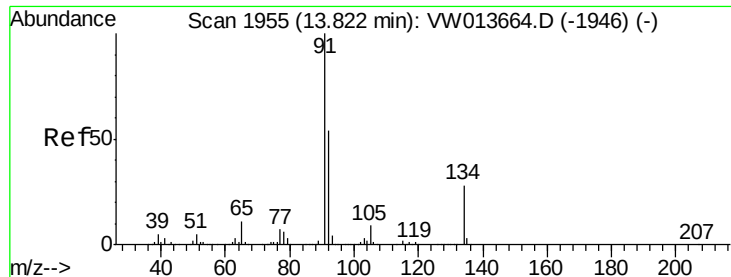
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#88
 1,4-Dichlorobenzene
 Concen: 49.725 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	312093		
111	36.9	18.1	54.3	
148	64.4	32.0	96.2	





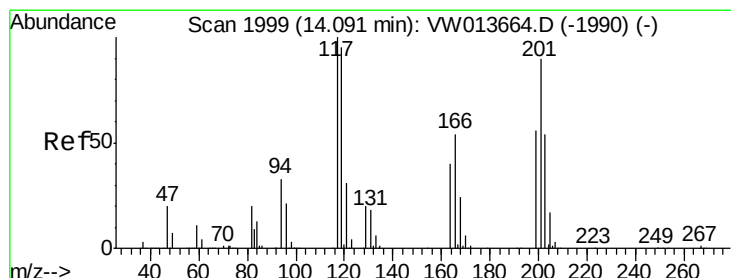
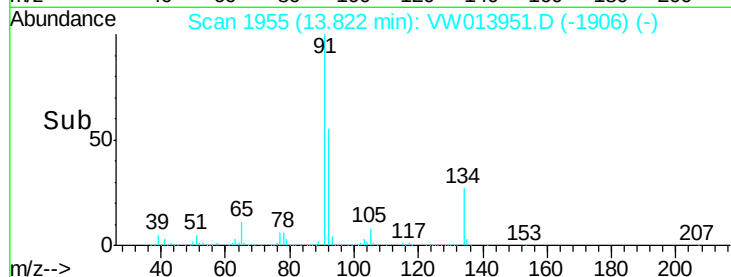
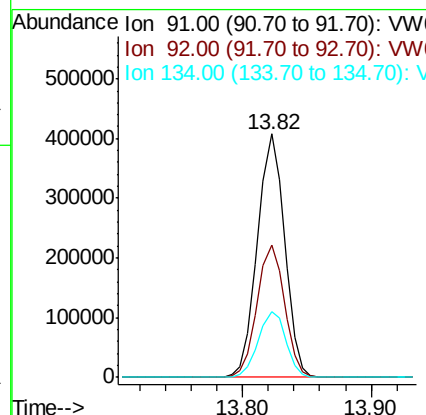
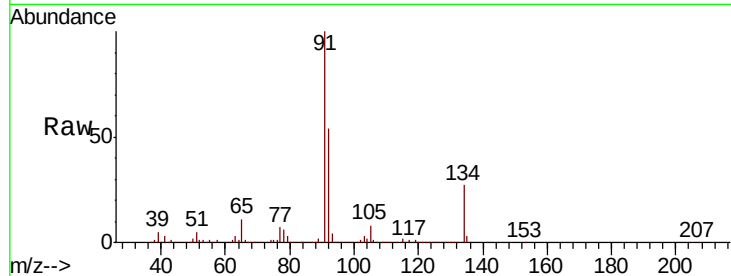
#89
n-Butylbenzene
Concen: 50.498 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.4
134	27.8	14.0	41.9

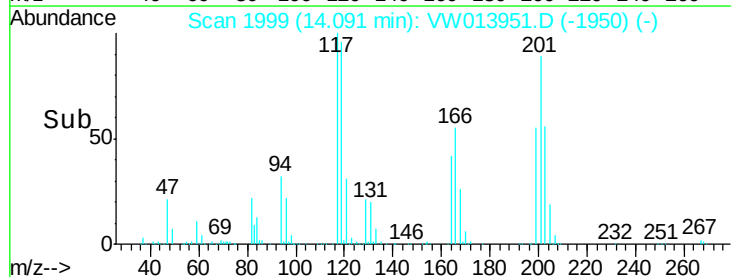
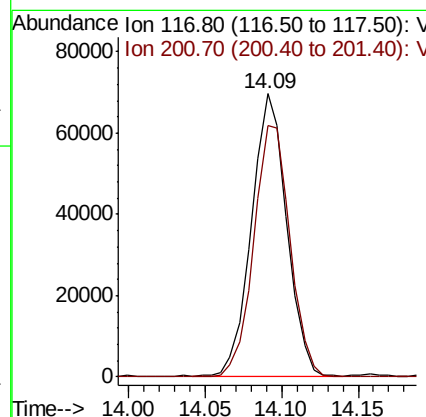
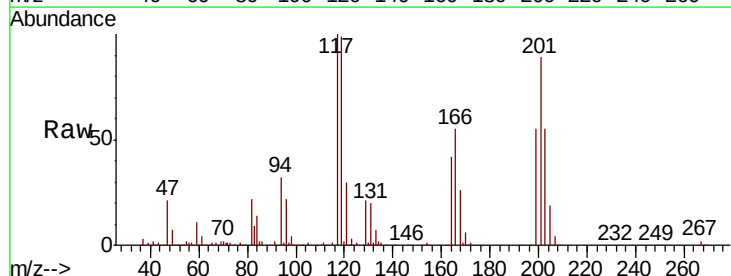
Manual Integrations
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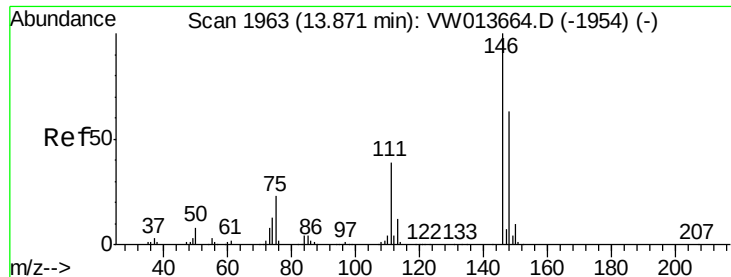
MMDadoda
11/12/2019 12:58:58 PM



#90
Hexachloroethane
Concen: 49.125 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.7	46.1	138.2





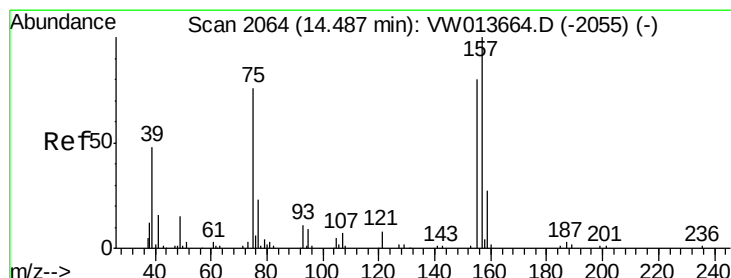
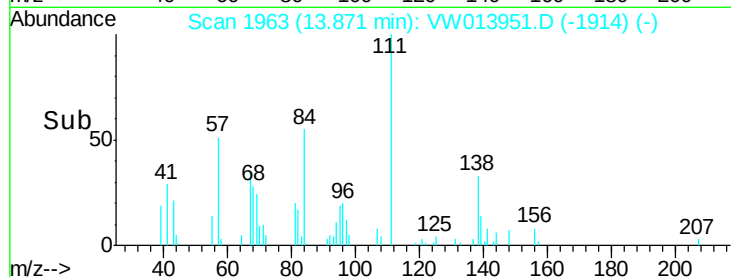
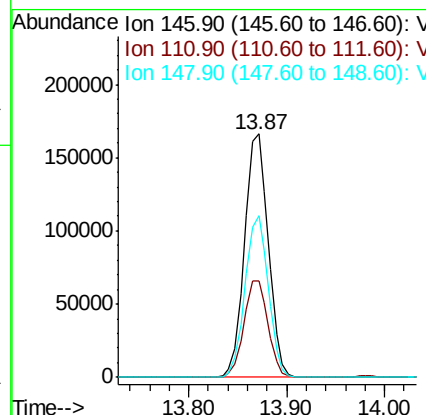
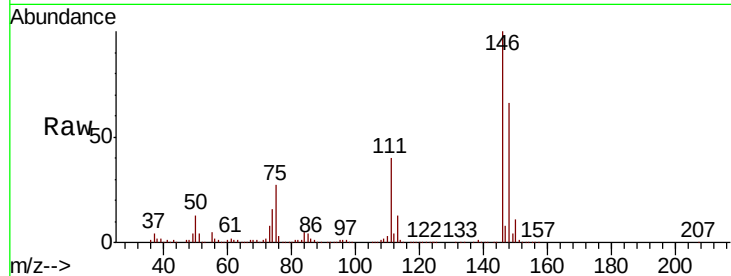
#91
 1,2-Dichlorobenzene
 Concen: 51.009 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.9	59.6
148	65.3	31.9	95.9

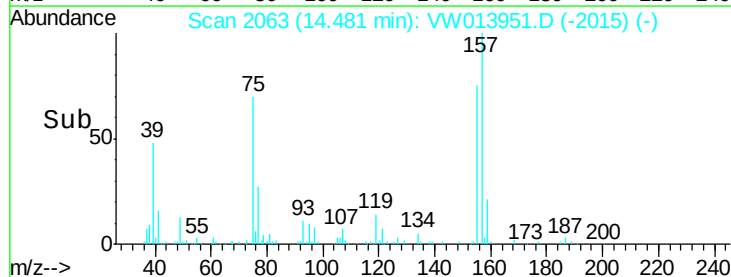
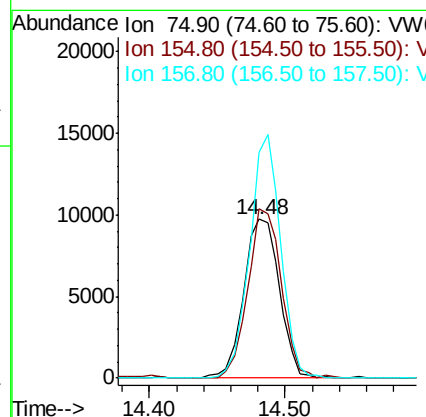
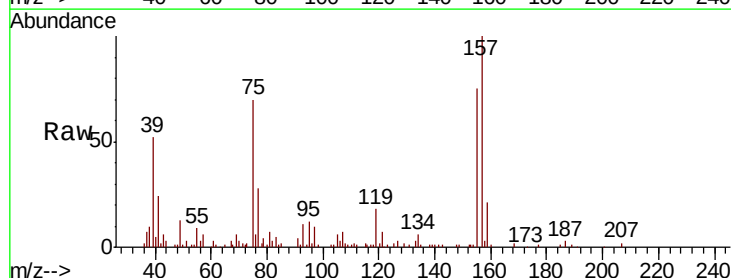
Manual Integrations
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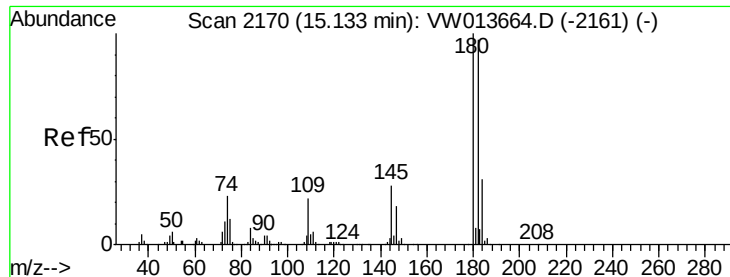
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 11/12/2019 12:58:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.011 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.1	51.9	155.7
157	133.1	64.8	194.3





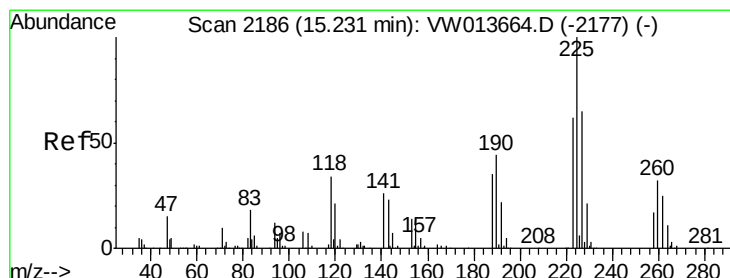
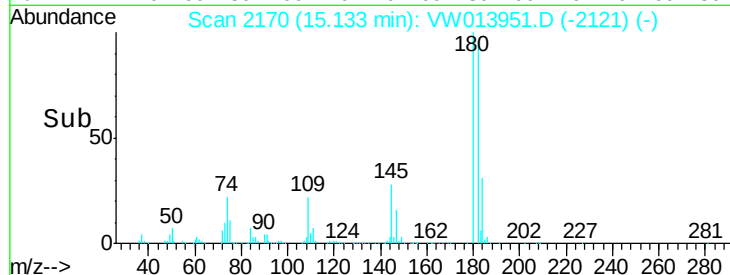
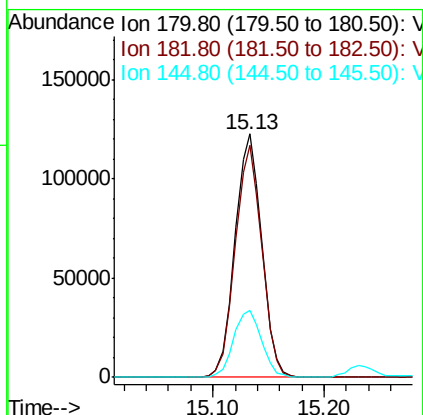
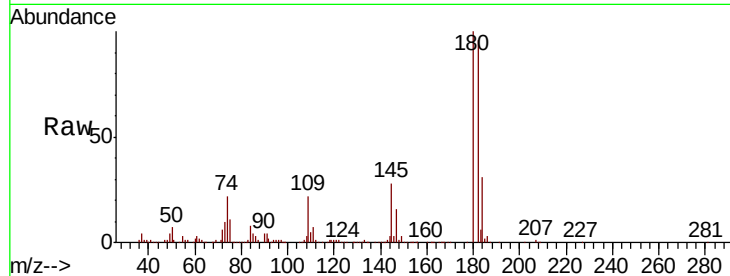
#93
 1,2,4-Trichlorobenzene
 Concen: 50.863 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	28.9	14.1	42.3

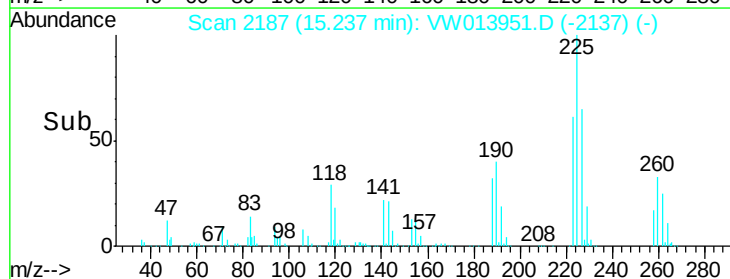
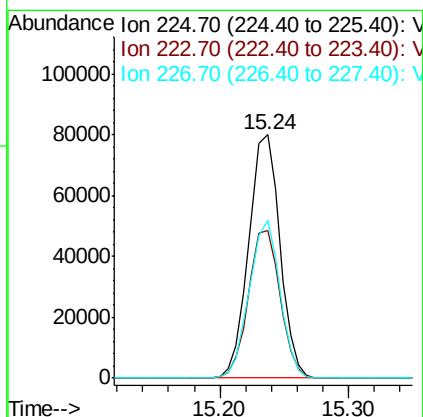
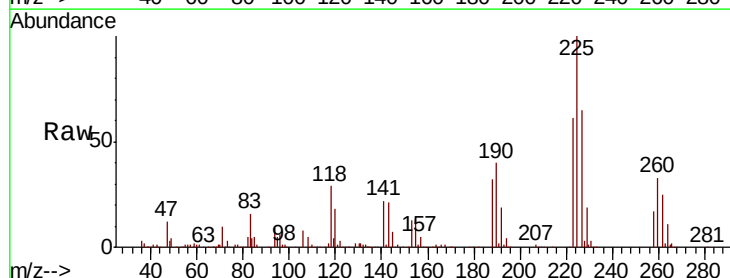
Manual Integrations
 APPROVED

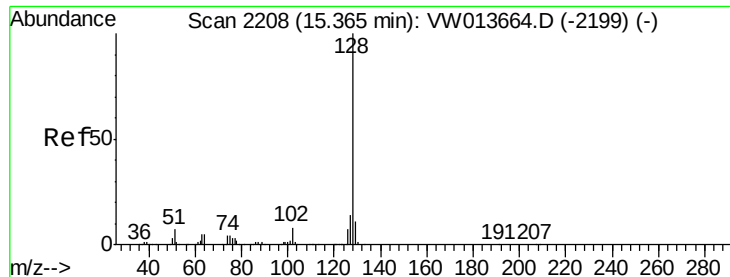
MMDadoda
 11/12/2019 12:58:58 PM



#94
 Hexachlorobutadiene
 Concen: 49.707 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013951.D
 Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.9
227	63.6	32.5	97.4





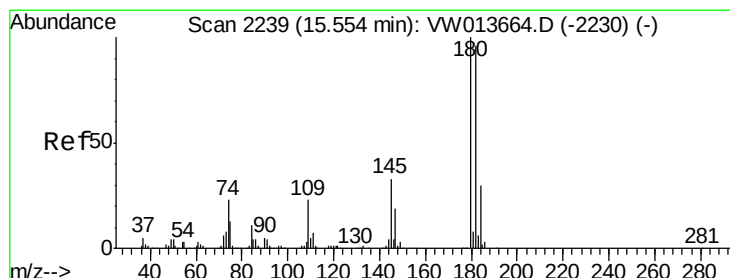
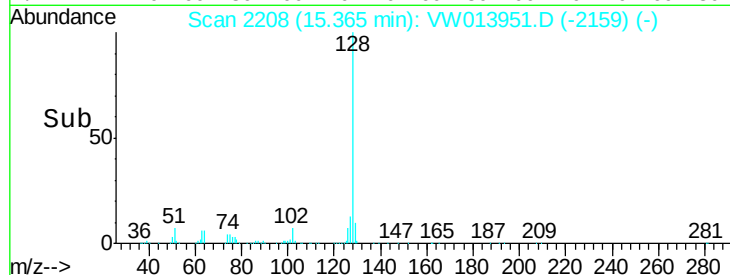
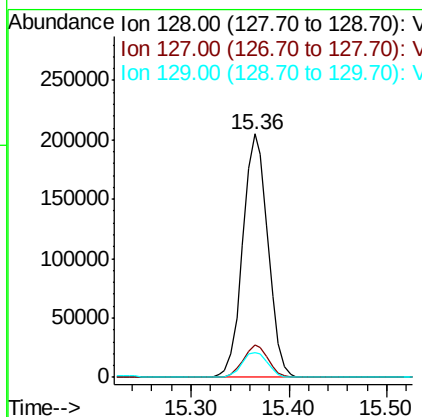
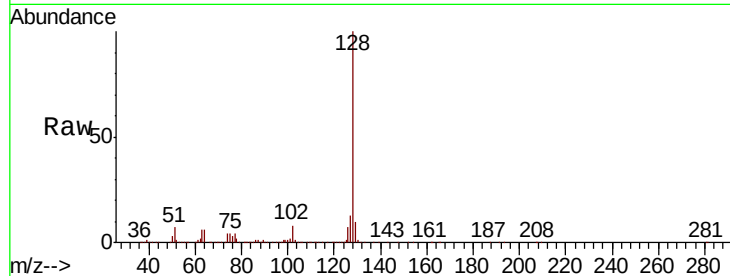
#95
Naphthalene
Concen: 58.407 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Instrument :
MSVOA_W
ClientSampleId :
SB-38-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.579 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013951.D
Acq: 08 Nov 2019 18:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.3
145	30.5	14.9	44.9

