

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102319\
 Data File : VW013669.D
 Acq On : 23 Oct 2019 16:13
 Operator : SY/VA
 Sample : VW1023SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 1:27:08 PM

Quant Time: Oct 24 07:45:19 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	350942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	497049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	428220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	215841	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	133758	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
35) Dibromofluoromethane	7.88	113	139129	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
50) Toluene-d8	10.32	98	571849	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.62	95	191581	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	43762	23.670	ug/l	99
3) Chloromethane	2.21	50	43669	21.977	ug/l	95
4) Vinyl Chloride	2.37	62	66086	22.023	ug/l	99
5) Bromomethane	2.78	94	41952	21.257	ug/l	100
6) Chloroethane	2.92	64	37918	20.883	ug/l	98
7) Trichlorofluoromethane	3.26	101	37316	19.909	ug/l	99
8) Diethyl Ether	3.68	74	31414	20.745	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	63578	20.866	ug/l	99
10) Methyl Iodide	4.28	142	104208	20.988	ug/l	99
11) Tert butyl alcohol	5.20	59	18234m	116.020	ug/l	
12) 1,1-Dichloroethene	4.04	96	66010	20.973	ug/l	97
13) Acrolein	3.90	56	17305	96.109	ug/l	100
14) Allyl chloride	4.67	41	99100	20.477	ug/l	99
15) Acrylonitrile	5.37	53	66801	108.489	ug/l	96
16) Acetone	4.14	43	52640	94.303	ug/l	95
17) Carbon Disulfide	4.38	76	189123	20.923	ug/l	98
18) Methyl Acetate	4.67	43	33091	21.626	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	79938	21.165	ug/l	98
20) Methylene Chloride	4.92	84	73163	21.075	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	71681	21.160	ug/l	100
22) Diisopropyl ether	6.31	45	181555	20.566	ug/l	97
23) Vinyl Acetate	6.25	43	534068	104.261	ug/l	99
24) 1,1-Dichloroethane	6.21	63	114866	20.545	ug/l	97
25) 2-Butanone	7.17	43	81972	102.143	ug/l	98
26) 2,2-Dichloropropane	7.16	77	67528	20.887	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	74172	20.614	ug/l	97
28) Bromochloromethane	7.51	49	28931	15.475	ug/l #	98
29) Tetrahydrofuran	7.54	42	53378	107.434	ug/l	99
30) Chloroform	7.68	83	112879	20.423	ug/l	100
31) Cyclohexane	7.95	56	117131	20.019	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	90238	20.806	ug/l	98
36) 1,1-Dichloropropene	8.08	75	95591	20.650	ug/l	99
37) Ethyl Acetate	7.26	43	36664	20.691	ug/l	99
38) Carbon Tetrachloride	8.07	117	88543	21.241	ug/l	99

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Quant Time: Oct 24 07:45:19 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)
39) Methylcyclohexane	9.34	83	123638	20.682	ug/l	98
40) Benzene	8.32	78	271449	20.721	ug/l	98
41) Methacrylonitrile	7.48	41	24306	21.996	ug/l	93
42) 1,2-Dichloroethane	8.40	62	68008	20.601	ug/l	100
43) Isopropyl Acetate	8.42	43	70432	20.765	ug/l	99
44) Trichloroethene	9.09	130	77804	20.734	ug/l	94
45) 1,2-Dichloropropane	9.37	63	63564	20.314	ug/l	99
46) Dibromomethane	9.46	93	31260	20.583	ug/l	97
47) Bromodichloromethane	9.64	83	79334	20.189	ug/l	96
48) Methyl methacrylate	9.43	41	32100	19.084	ug/l	89
49) 1,4-Dioxane	9.48	88	9480	422.418	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	176054	104.454	ug/l	99
52) Toluene	10.38	92	174192	20.614	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	80265	20.177	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	101416	20.663	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	46253	20.435	ug/l	98
56) Ethyl methacrylate	10.65	69	59276	20.932	ug/l	99
57) 1,3-Dichloropropane	10.93	76	80253	20.662	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	135592	104.037	ug/l	99
59) 2-Hexanone	10.97	43	119258	102.636	ug/l	99
60) Dibromochloromethane	11.13	129	55020	20.474	ug/l	100
61) 1,2-Dibromoethane	11.23	107	45366	21.186	ug/l	98
64) Tetrachloroethene	10.86	164	67194	20.538	ug/l	98
65) Chlorobenzene	11.66	112	180903	20.558	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	61934	20.167	ug/l	99
67) Ethyl Benzene	11.73	91	328123	20.679	ug/l	99
68) m/p-Xylenes	11.84	106	252670	41.216	ug/l	99
69) o-Xylene	12.16	106	114310	20.286	ug/l	98
70) Styrene	12.18	104	197767	20.428	ug/l	99
71) Bromoform	12.35	173	33273	20.646	ug/l #	97
73) Isopropylbenzene	12.46	105	323307	20.858	ug/l	99
74) N-amyl acetate	12.27	43	64114	21.383	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51354	20.995	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	33429m	21.567	ug/l	
77) Bromobenzene	12.75	156	77372	20.896	ug/l	99
78) n-propylbenzene	12.80	91	379440	21.150	ug/l	100
79) 2-Chlorotoluene	12.89	91	208886	20.719	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	275112	21.025	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16440	20.044	ug/l	98
82) 4-Chlorotoluene	12.99	91	221899	20.964	ug/l	100
83) tert-Butylbenzene	13.21	119	243466	20.962	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	269964	20.915	ug/l	99
85) sec-Butylbenzene	13.38	105	336315	21.175	ug/l	99
86) p-Isopropyltoluene	13.50	119	312977	21.155	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	147889	20.614	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	146620	20.572	ug/l	98
89) n-Butylbenzene	13.82	91	279646	20.941	ug/l	99
90) Hexachloroethane	14.09	117	52908	20.574	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	127384	20.478	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8284	22.397	ug/l	92

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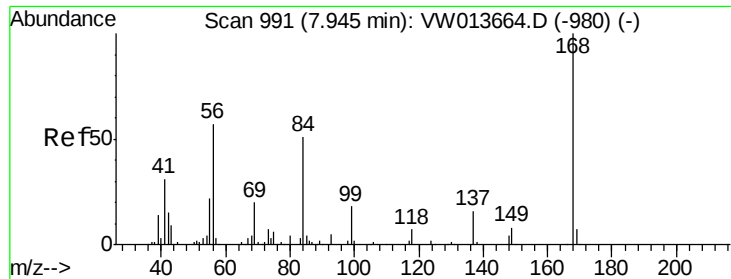
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	93819	20.724	ug/l	100
94) Hexachlorobutadiene	15.24	225	64144	20.988	ug/l	98
95) Naphthalene	15.36	128	150470	21.199	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	81519	20.898	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion:168 Resp: 350942

Ion Ratio Lower Upper

168 100

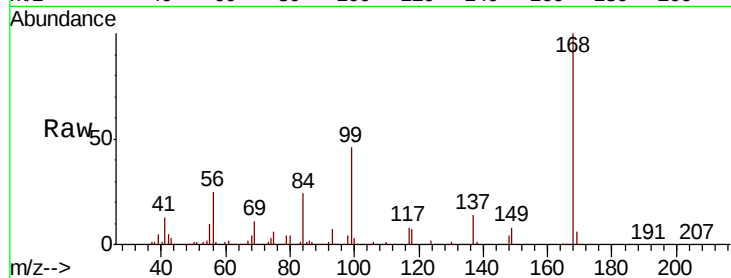
99 46.4 39.0 58.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

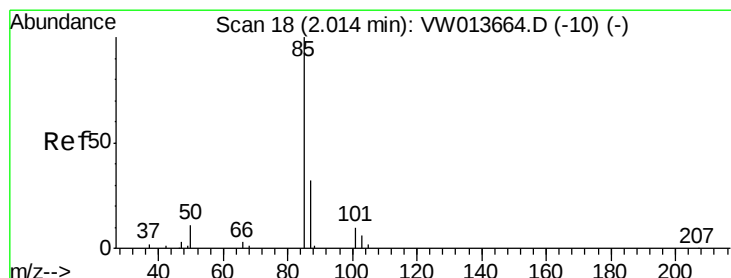
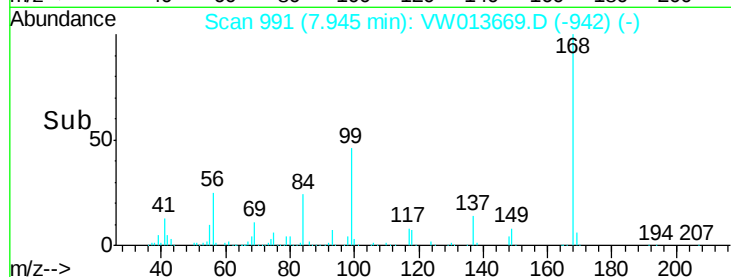
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 23.670 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013669.D

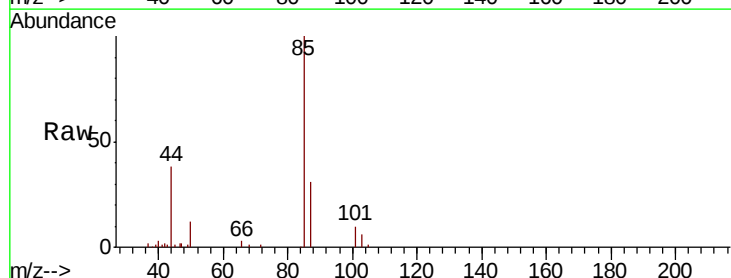
Acq: 23 Oct 2019 16:13

Tgt Ion: 85 Resp: 43762

Ion Ratio Lower Upper

85 100

87 31.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

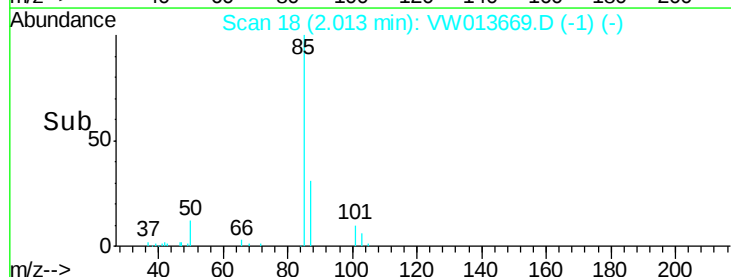
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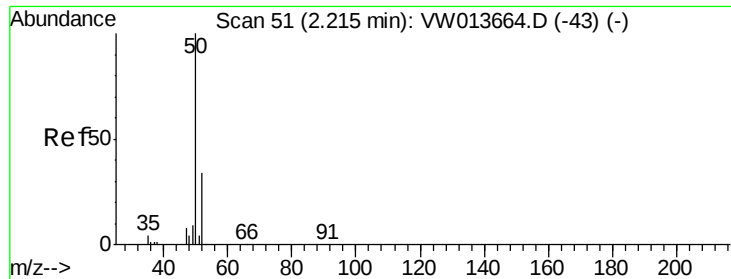
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.977 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 50 Resp: 43669

Ion Ratio Lower Upper

50 100

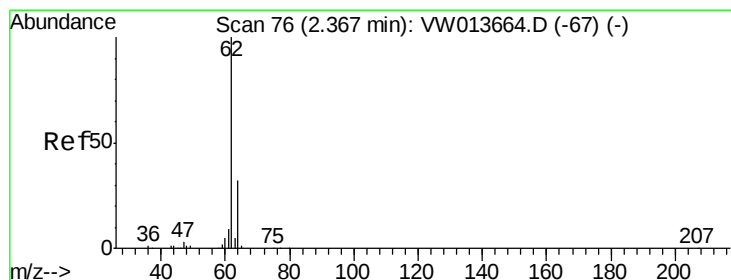
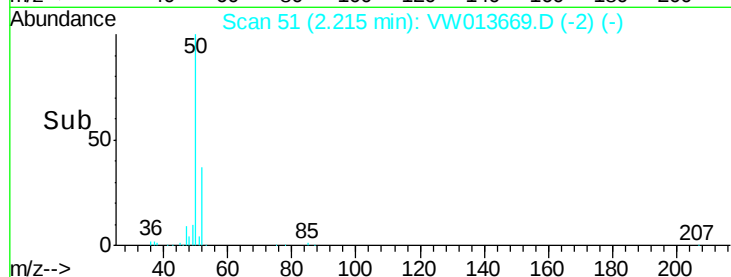
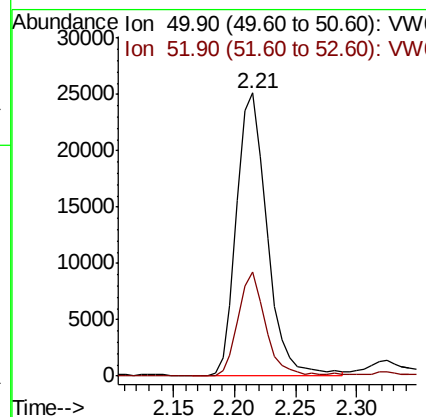
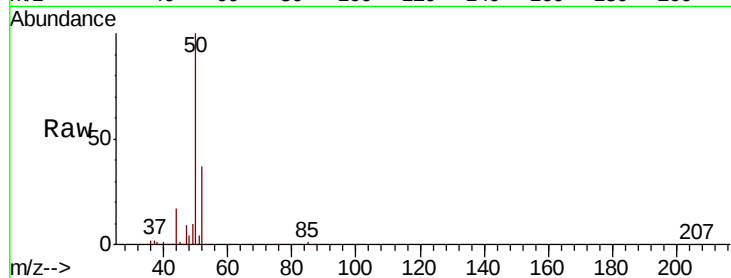
52 36.6 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.023 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013669.D

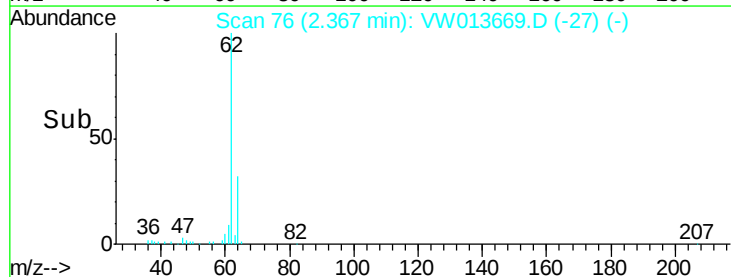
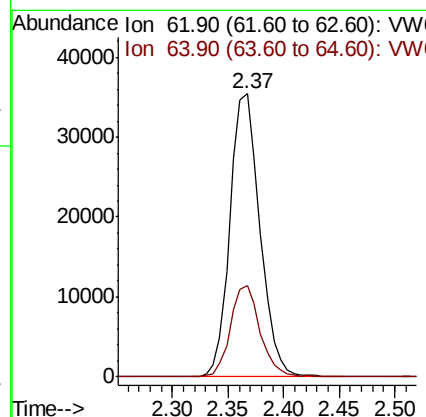
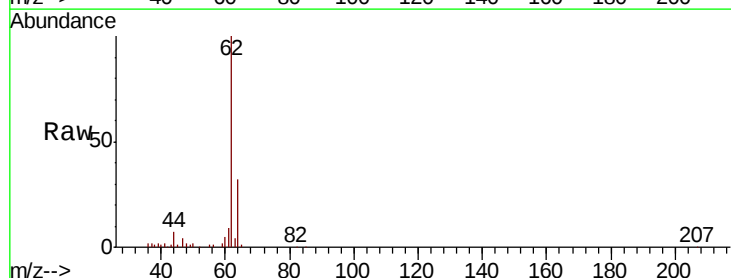
Acq: 23 Oct 2019 16:13

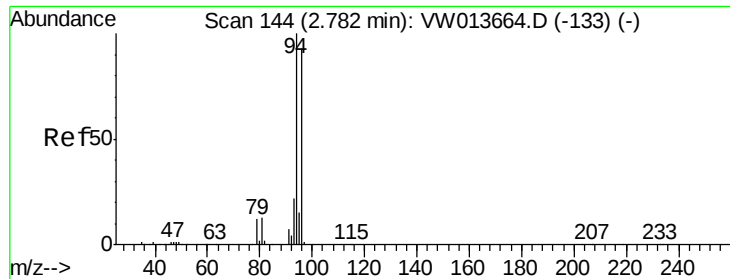
Tgt Ion: 62 Resp: 66086

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 21.257 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 94 Resp: 41952

Ion Ratio Lower Upper

94 100

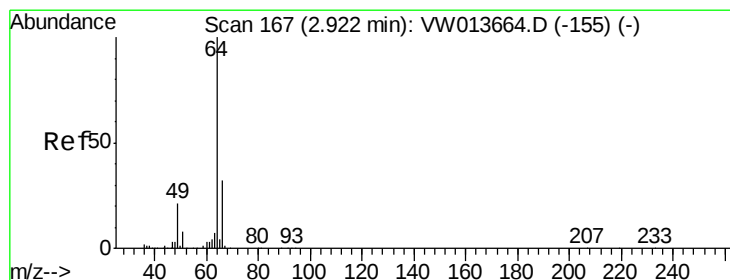
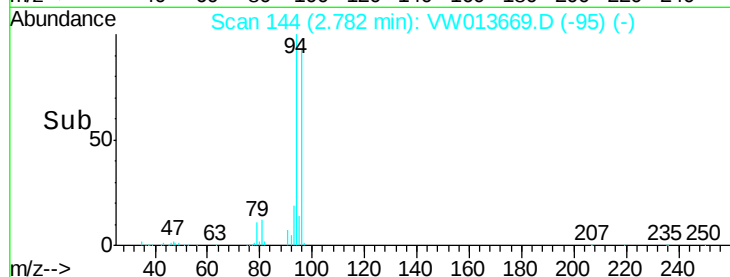
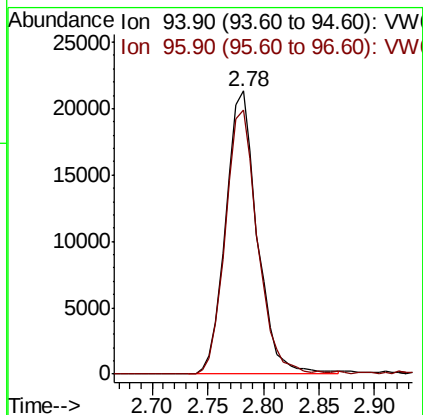
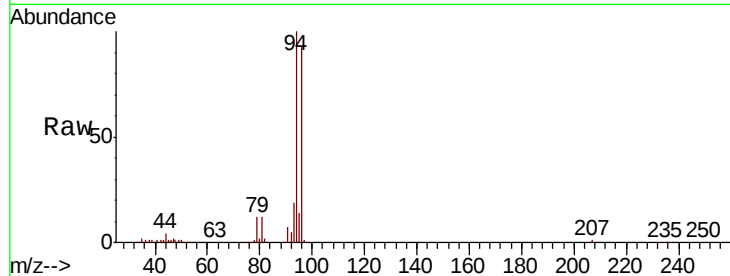
96 93.2 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 20.883 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013669.D

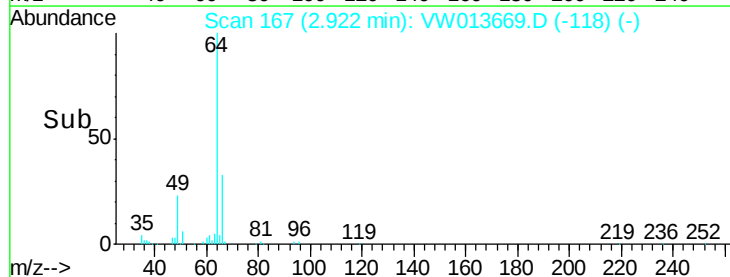
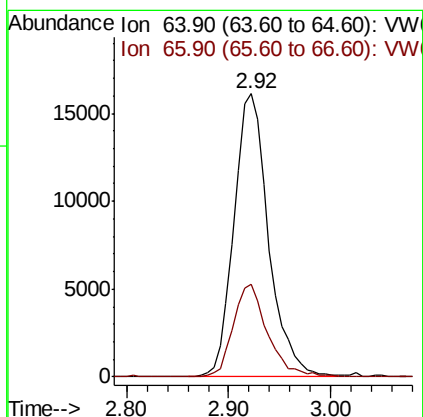
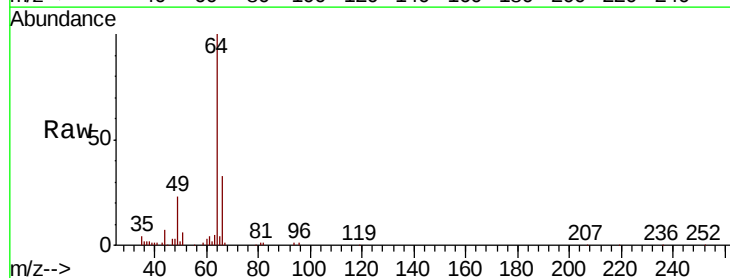
Acq: 23 Oct 2019 16:13

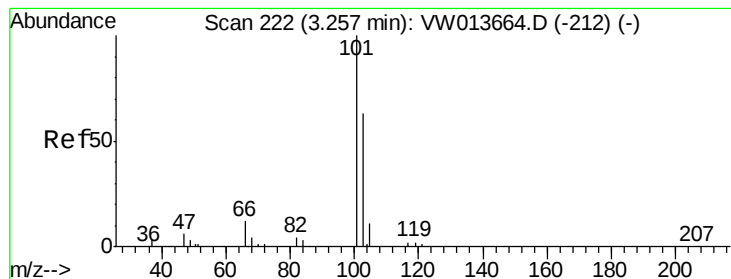
Tgt Ion: 64 Resp: 37918

Ion Ratio Lower Upper

64 100

66 32.6 25.4 38.0





#7

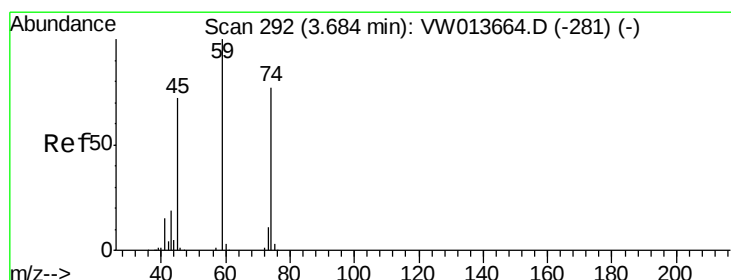
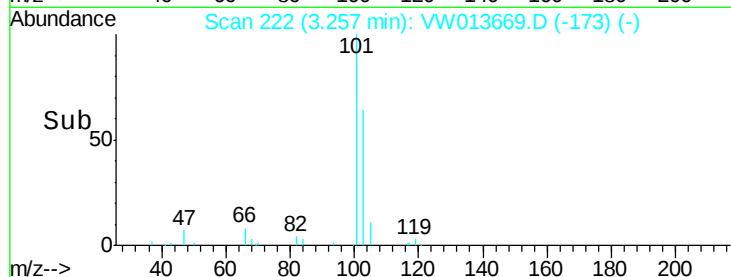
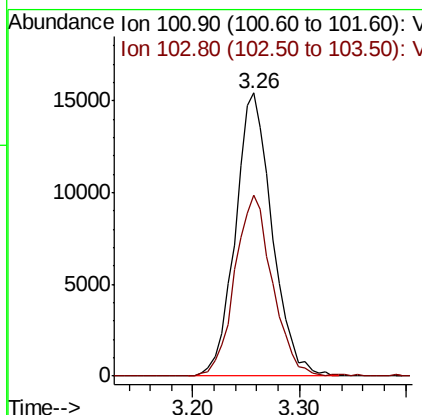
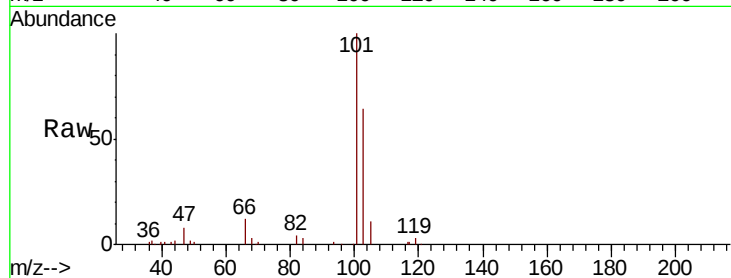
Trichlorofluoromethane
Concen: 19.909 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

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MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.6	76.0

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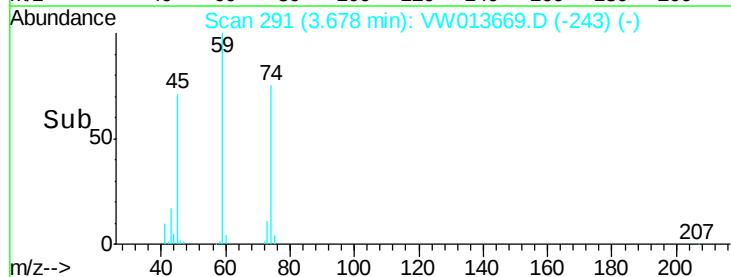
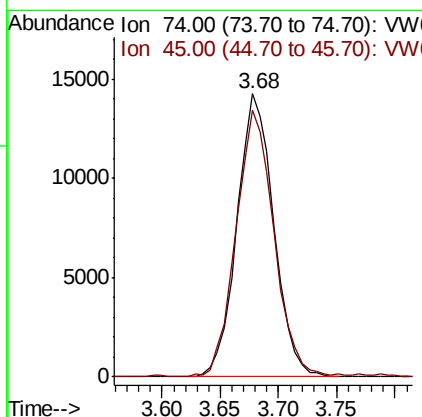
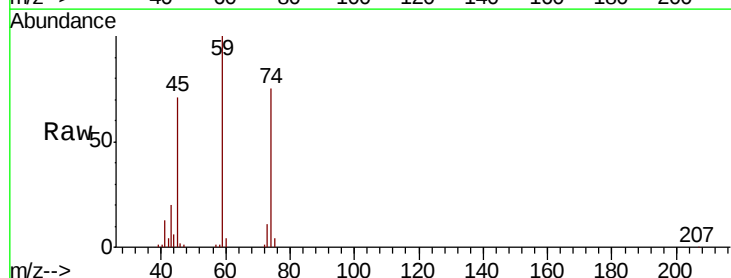
MMDadoda
10/24/2019 1:27:08 PM

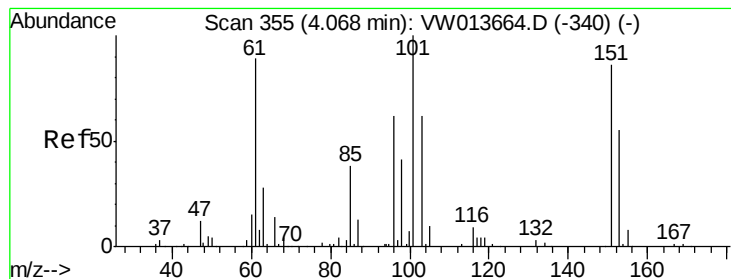


#8

Diethyl Ether
Concen: 20.745 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.866 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion:101 Resp: 63578

Ion Ratio Lower Upper

101 100

85 40.9 31.0 46.6

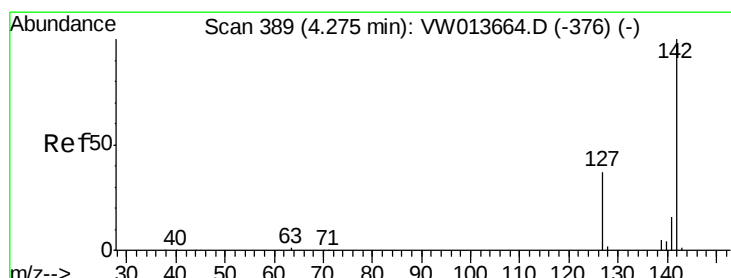
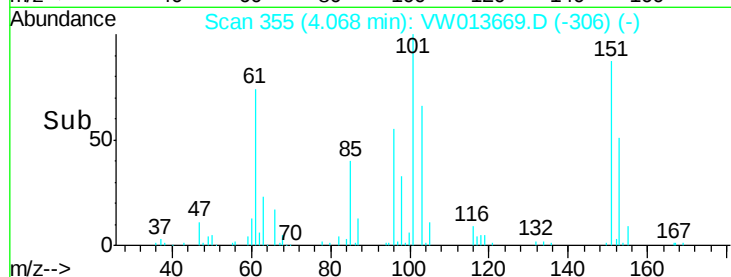
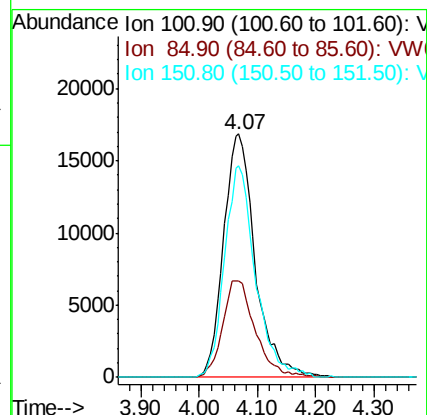
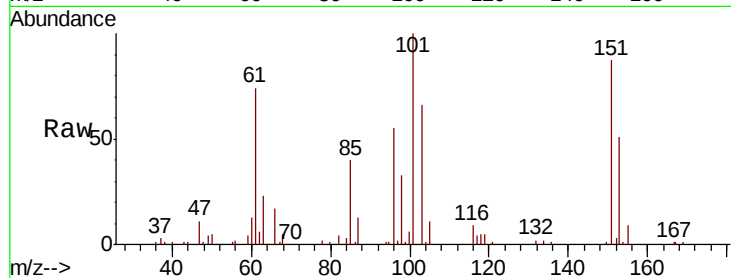
151 84.9 68.2 102.4

Manual Integrations

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#10

Methyl Iodide

Concen: 20.988 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

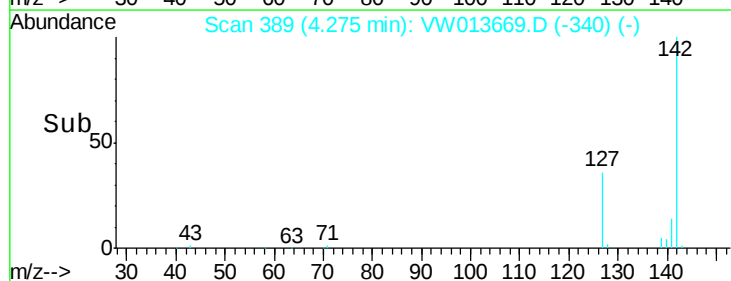
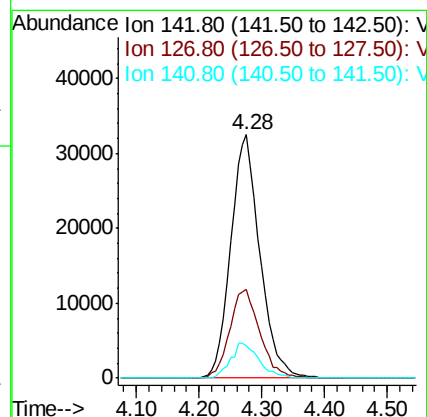
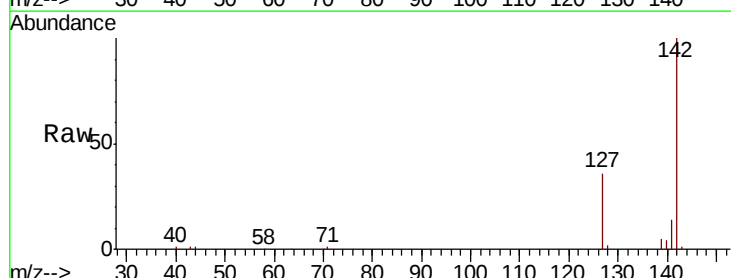
Tgt Ion:142 Resp: 104208

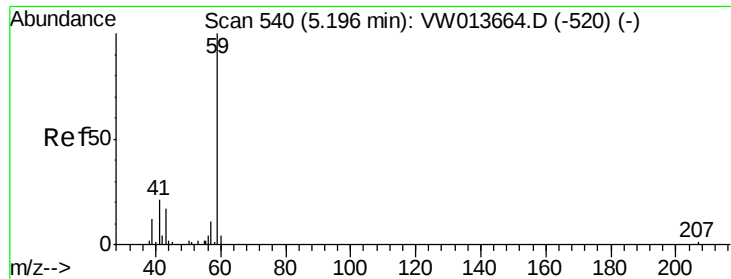
Ion Ratio Lower Upper

142 100

127 37.6 30.3 45.5

141 14.0 11.8 17.8





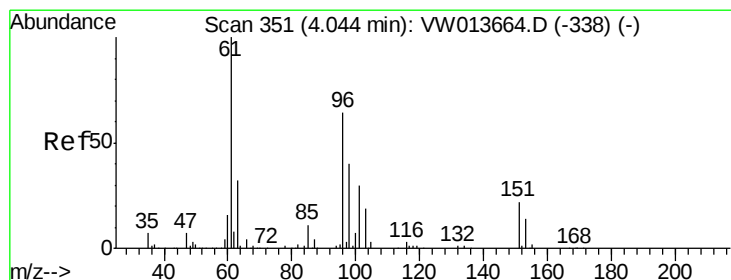
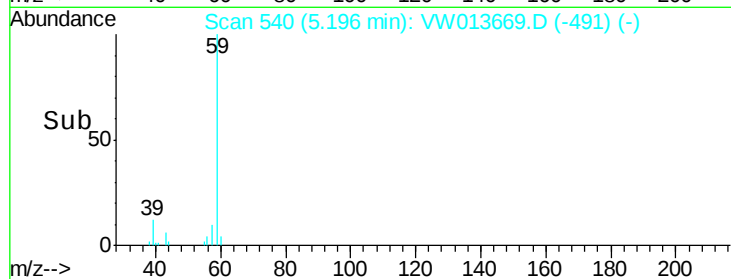
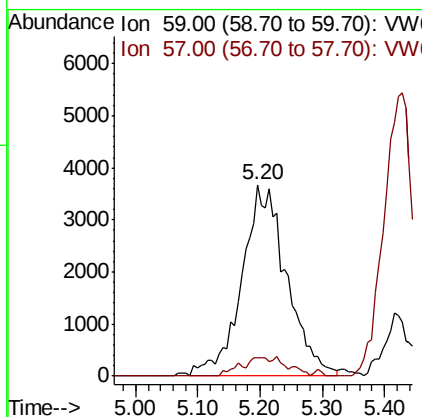
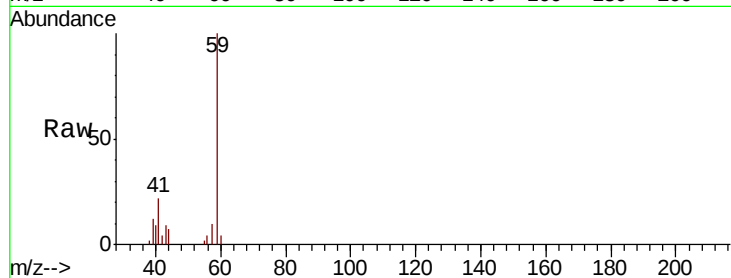
#11
Tert butyl alcohol
Concen: 116.020 ug/l m
RT: 5.20 min Scan# 540
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion: 59 Resp: 18234
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

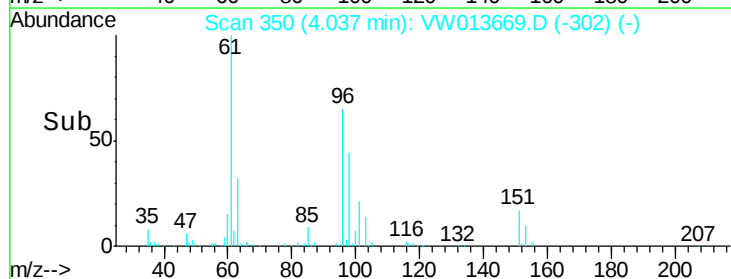
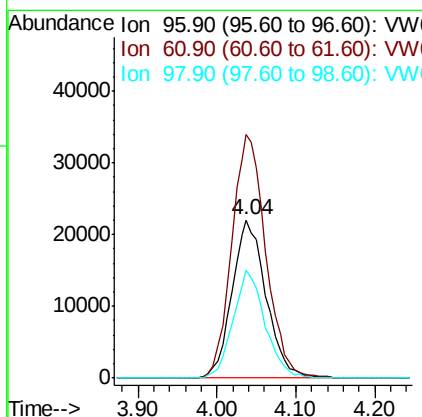
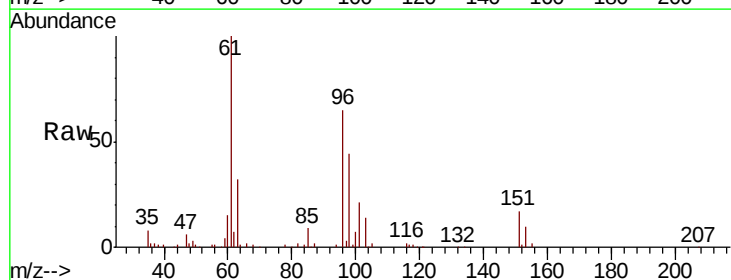
Manual Integrations
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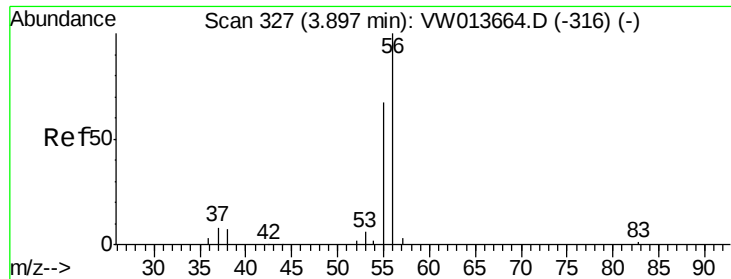
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.973 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 96 Resp: 66010
Ion Ratio Lower Upper
96 100
61 153.8 125.0 187.6
98 67.9 50.3 75.5





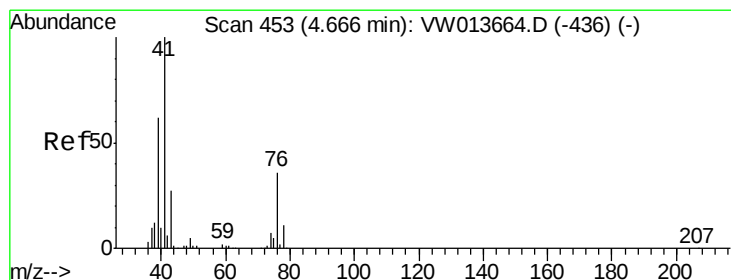
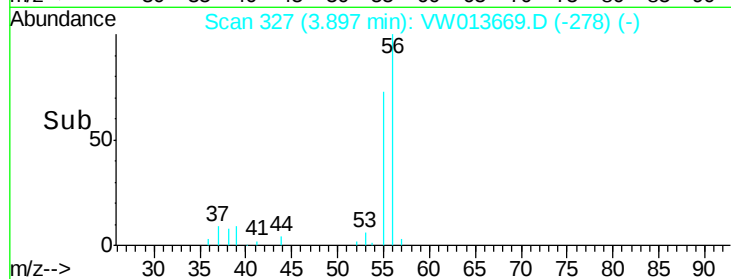
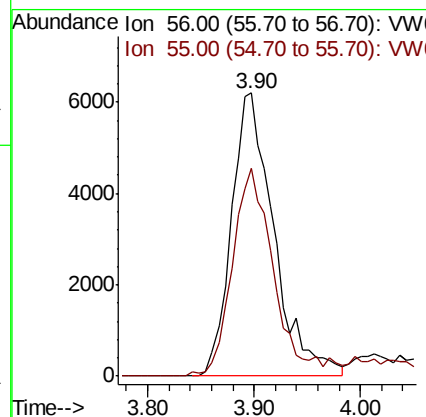
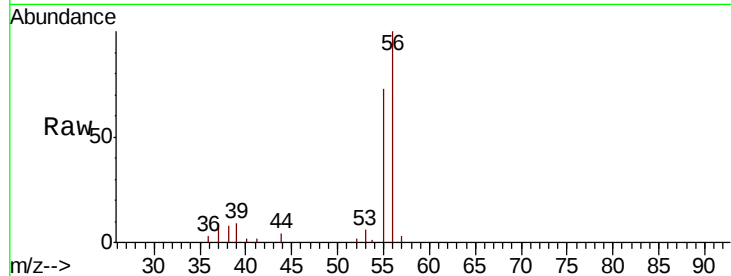
#13
Acrolein
Concen: 96.109 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	56	55	Resp	Lower	Upper
17305	100	70.1		56.1	84.1

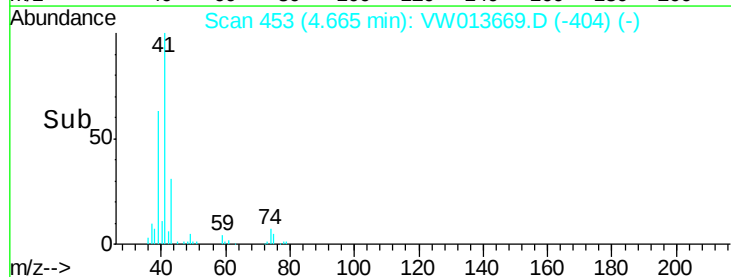
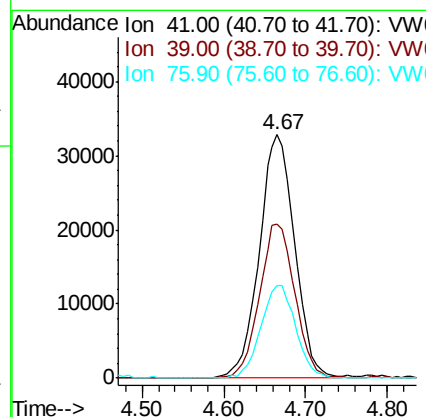
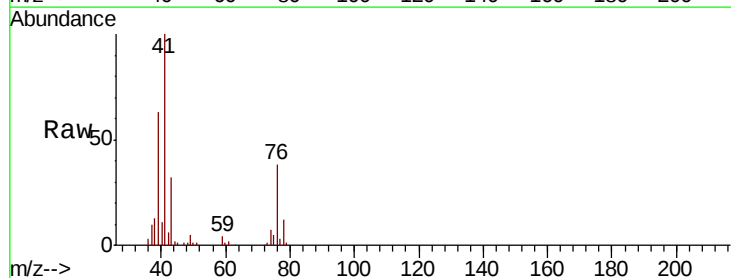
Manual Integrations
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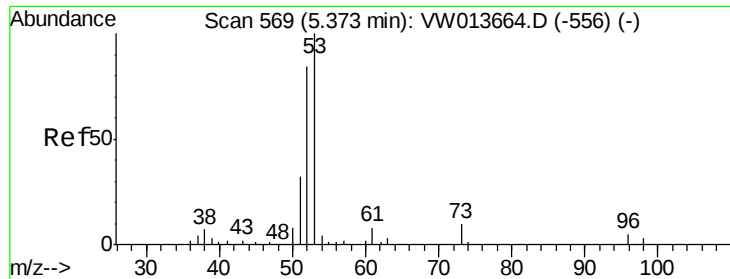
MMDadoda
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#14
Allyl chloride
Concen: 20.477 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	41	39	76	Resp	Lower	Upper
99100	100	63.5	37.5		50.0	75.0
					29.6	44.4





#15

Acrylonitrile

Concen: 108.489 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

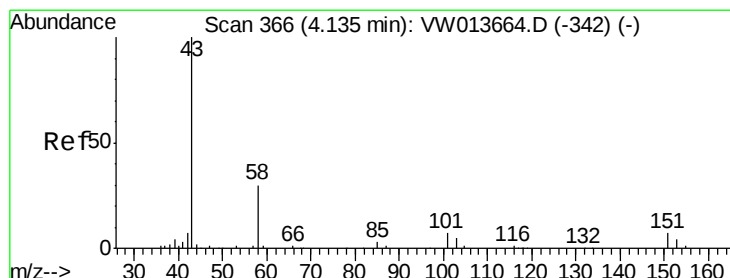
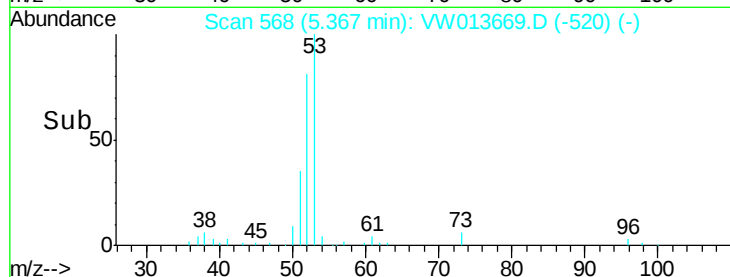
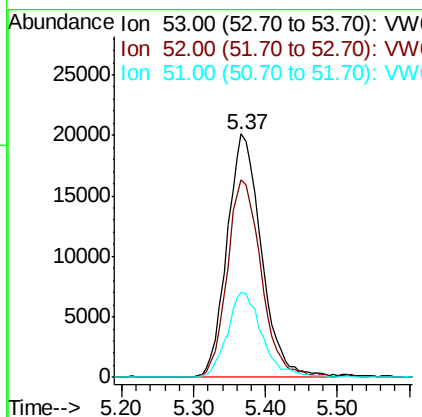
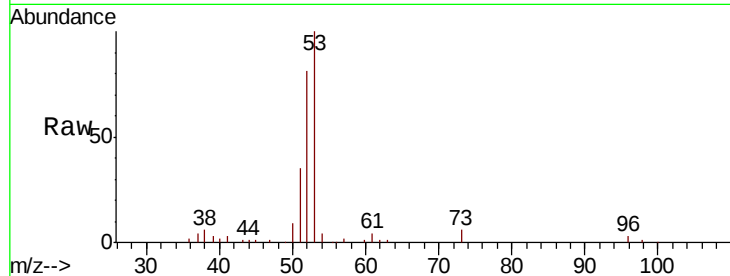
ClientSampleId :

VW1023SBS01

Tot Ion:	53	Resp:	66801
Ion Ratio	Lower	Upper	
53	100		
52	79.7	67.4	101.0
51	35.5	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 94.303 ug/l

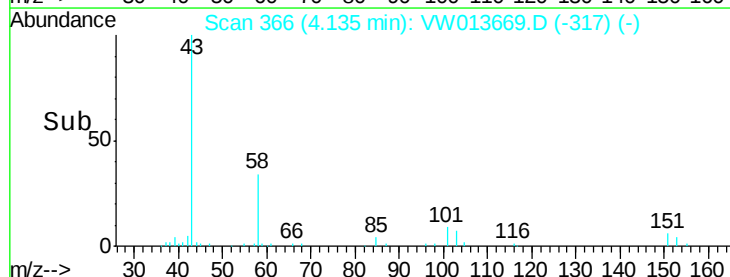
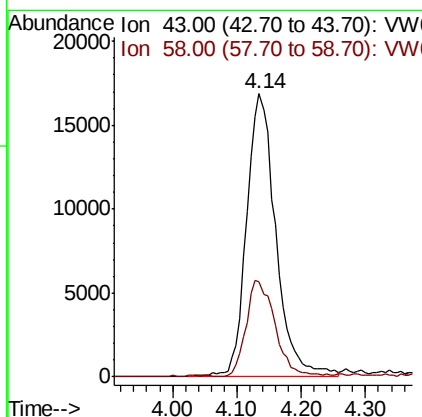
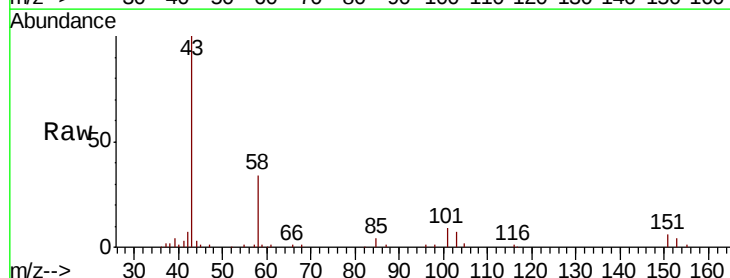
RT: 4.14 min Scan# 366

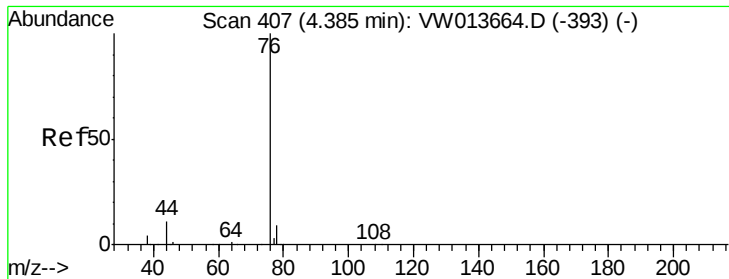
Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Tgt Ion:	43	Resp:	52640
Ion Ratio	Lower	Upper	
43	100		
58	33.0	24.1	36.1





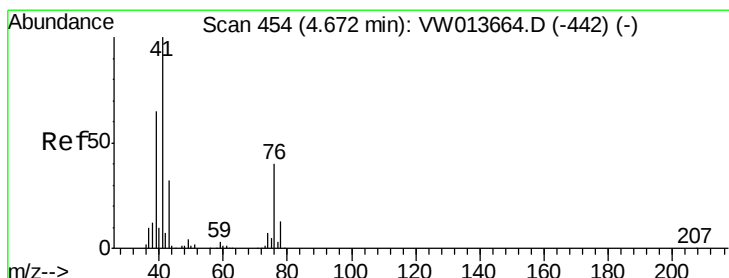
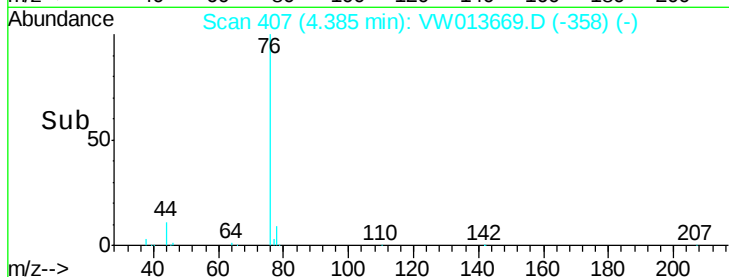
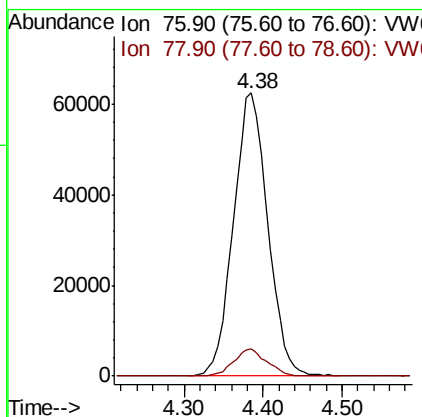
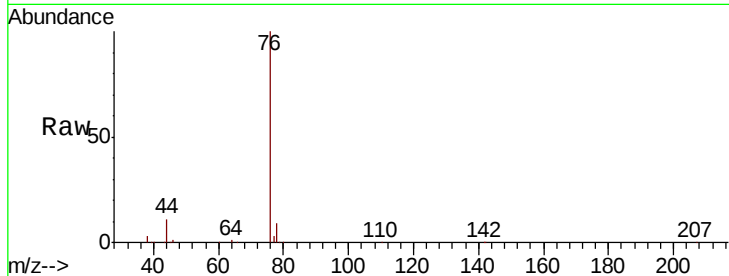
#17
Carbon Disulfide
Concen: 20.923 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

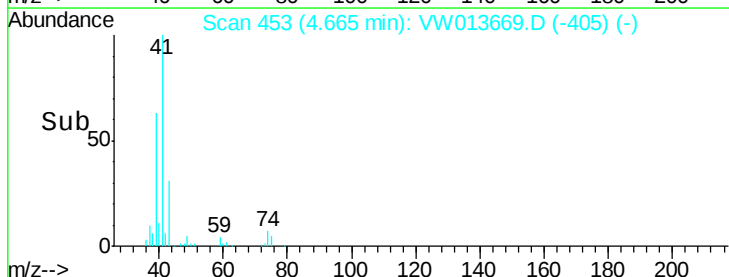
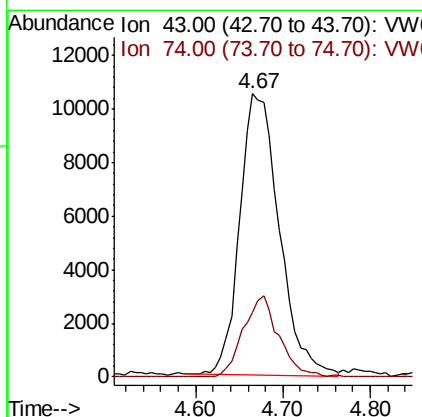
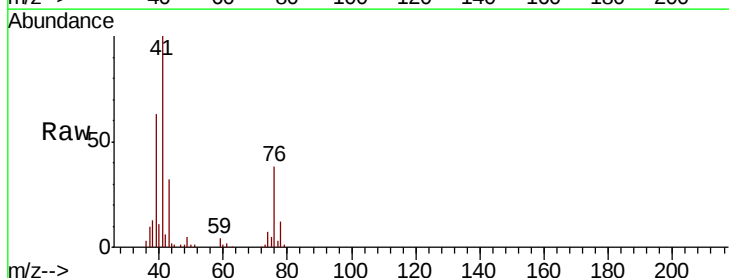
Manual Integrations
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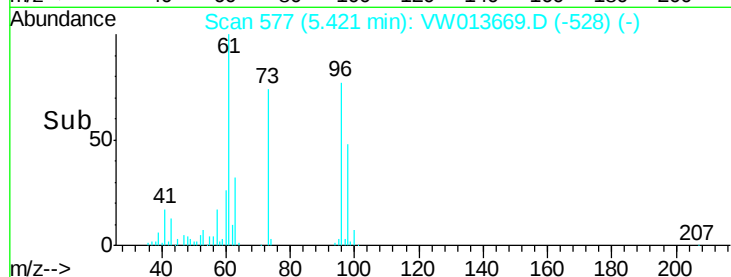
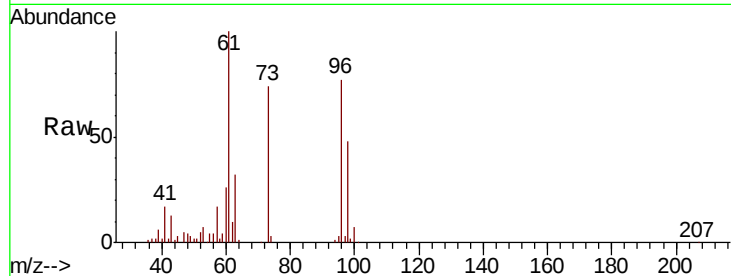
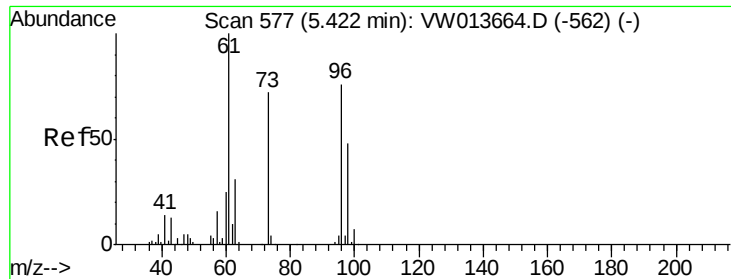
MMDadoda
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#18
Methyl Acetate
Concen: 21.626 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	19.8	29.8





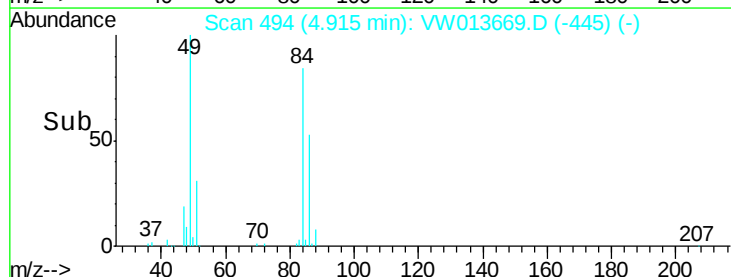
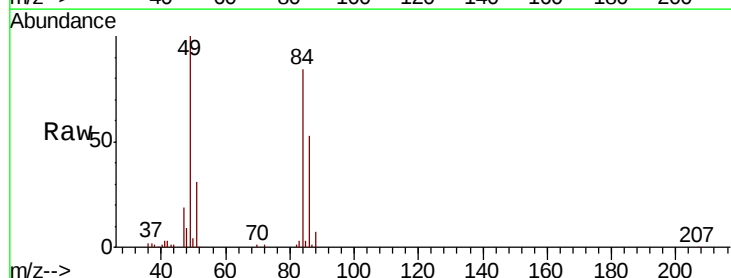
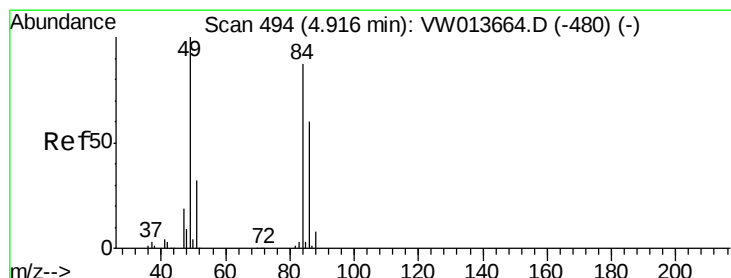
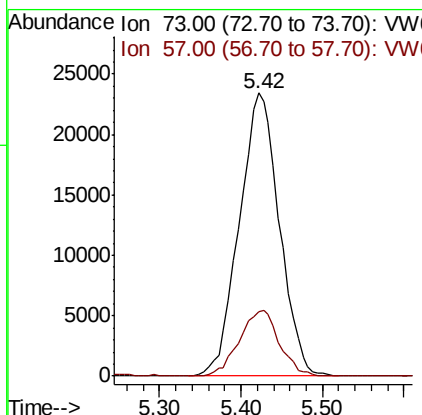
#19
Methyl tert-butyl Ether
Concen: 21.165 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tot Ion: 73 Resp: 79938
Ion Ratio Lower Upper
73 100
57 22.9 17.6 26.4

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

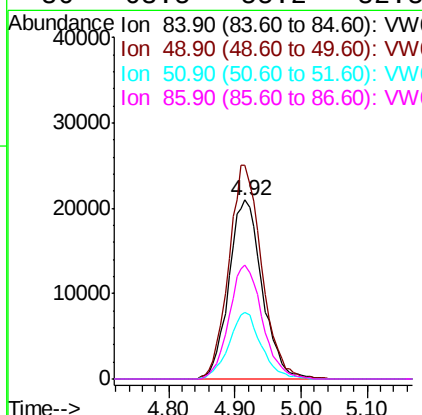
Manual Integrations
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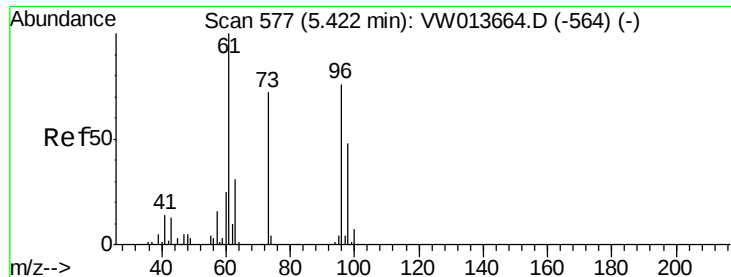
MMDadoda
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#20
Methylene Chloride
Concen: 21.075 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 84 Resp: 73163
Ion Ratio Lower Upper
84 100
49 119.2 91.8 137.6
51 37.5 29.8 44.6
86 63.5 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 21.160 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

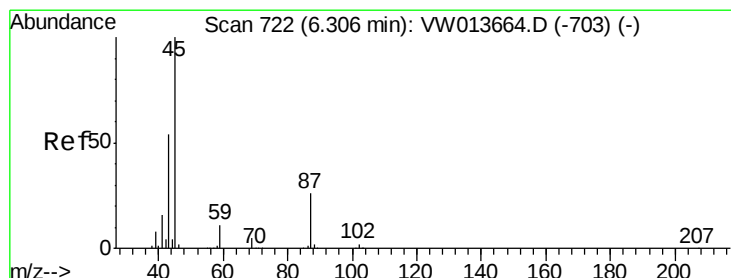
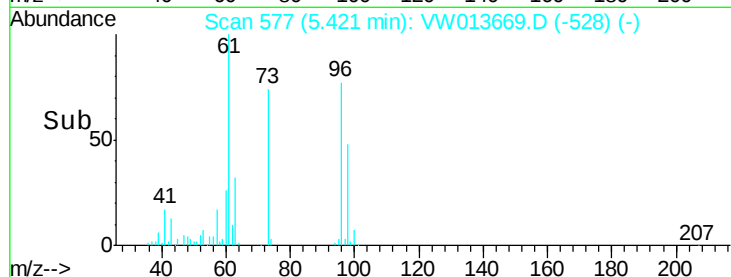
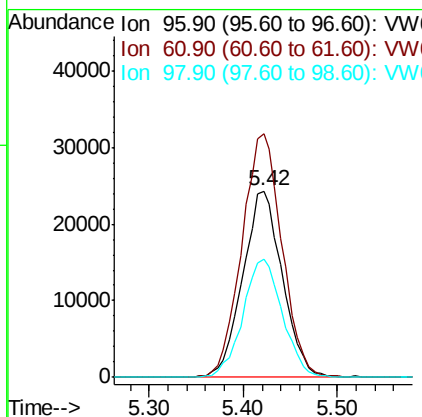
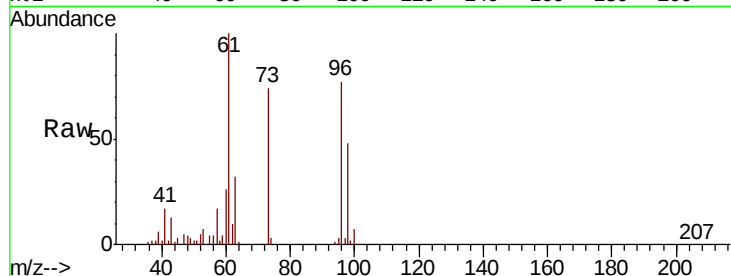
ClientSampleId :

VW1023SBS01

Tot Ion:	96	Resp:	71681
Ion	Ratio	Lower	Upper
96	100		
61	130.5	104.8	157.2
98	63.2	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.566 ug/l

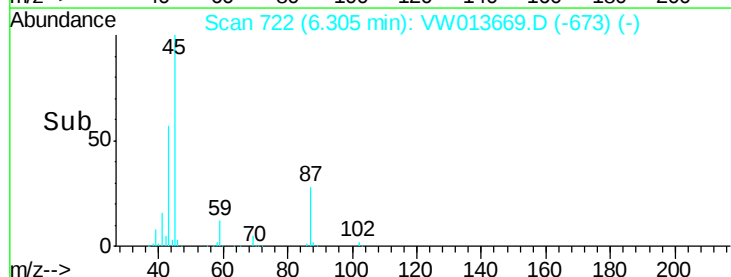
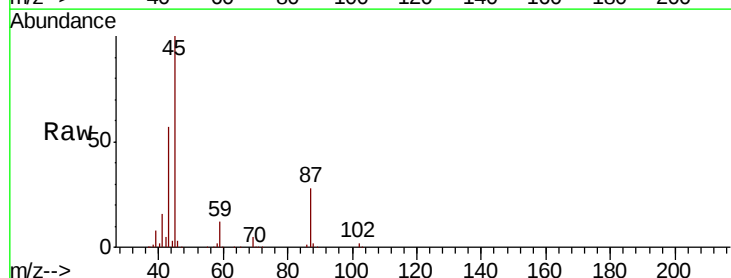
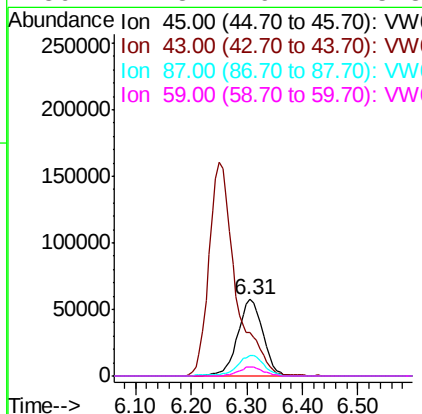
RT: 6.31 min Scan# 722

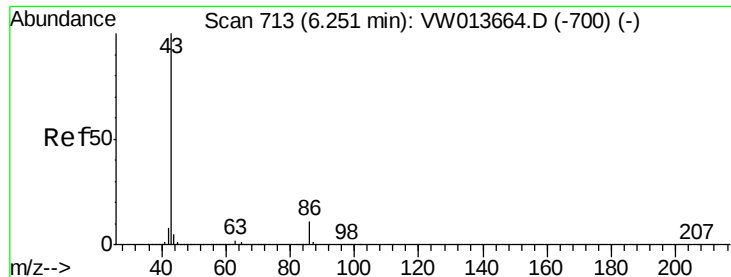
Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Tgt Ion:	45	Resp:	181555
Ion	Ratio	Lower	Upper
45	100		
43	56.9	43.4	65.2
87	27.7	21.5	32.3
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 104.261 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 43 Resp: 534068

Ion Ratio Lower Upper

43 100

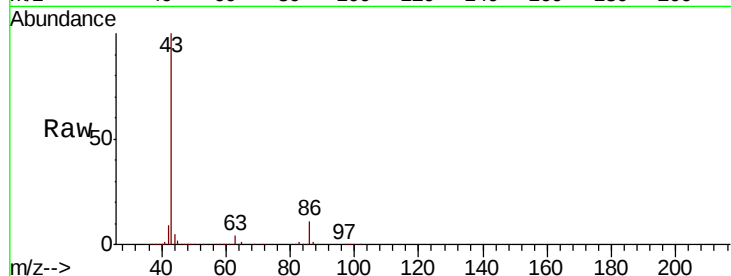
86 10.8 9.0 13.6

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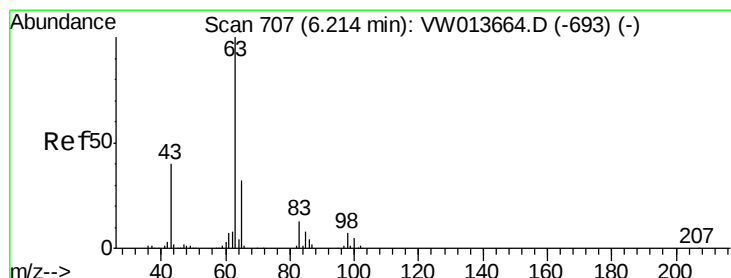
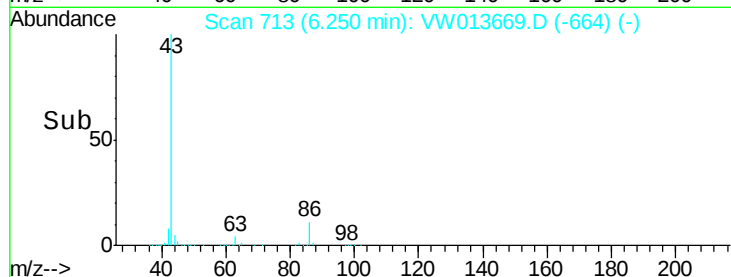
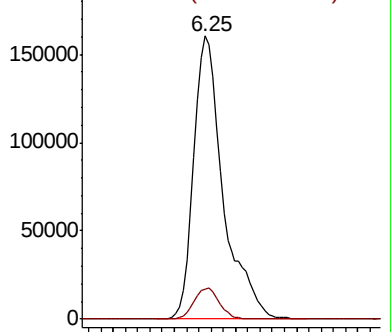
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.545 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

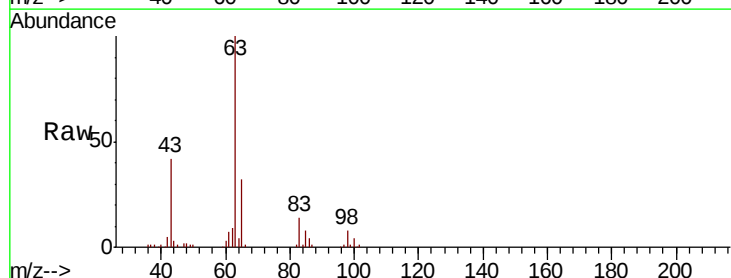
Tgt Ion: 63 Resp: 114866

Ion Ratio Lower Upper

63 100

98 8.0 3.6 10.9

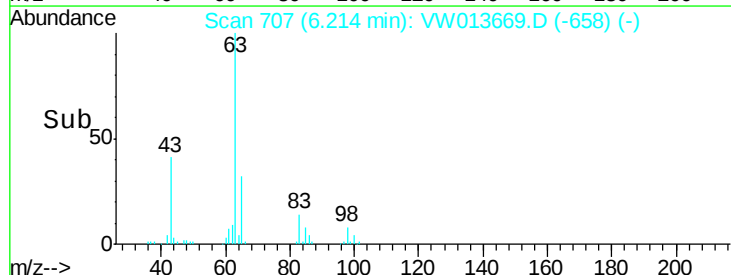
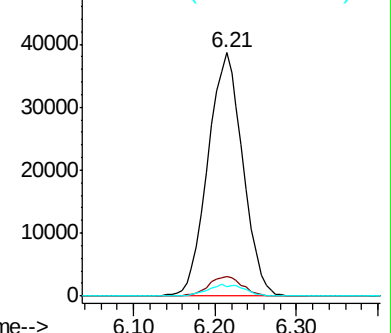
100 3.6 2.5 7.4

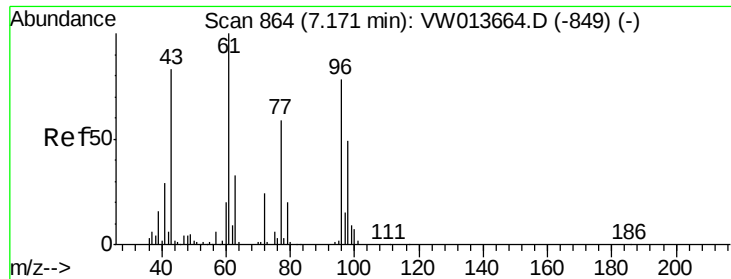


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 102.143 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 43 Resp: 81972

Ion Ratio Lower Upper

43 100

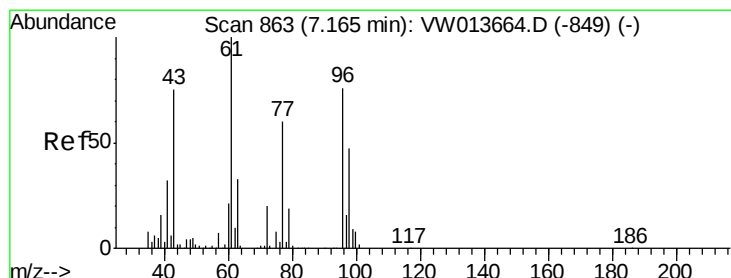
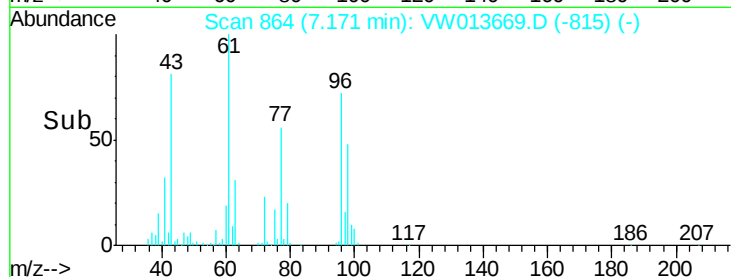
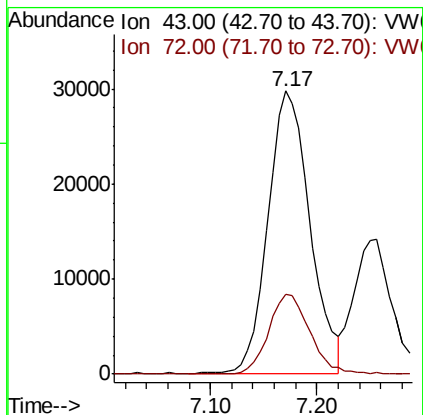
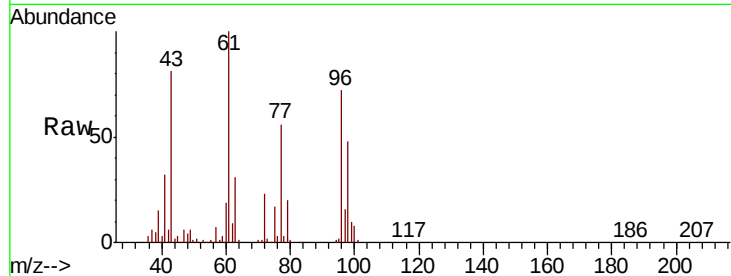
72 28.4 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.887 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013669.D

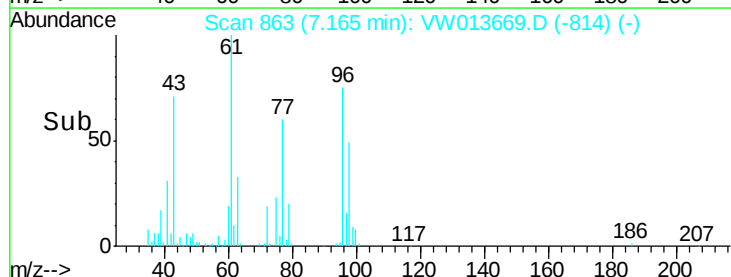
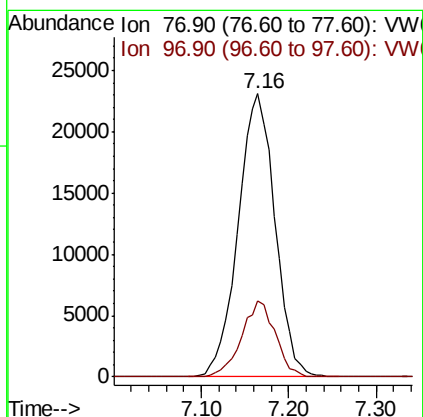
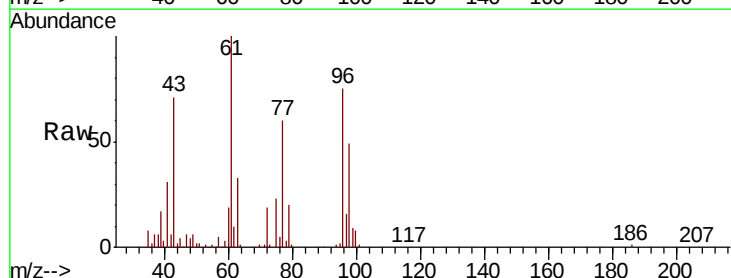
Acq: 23 Oct 2019 16:13

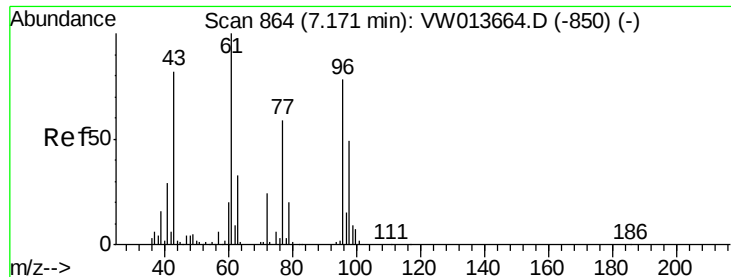
Tgt Ion: 77 Resp: 67528

Ion Ratio Lower Upper

77 100

97 24.5 12.8 38.4





#27

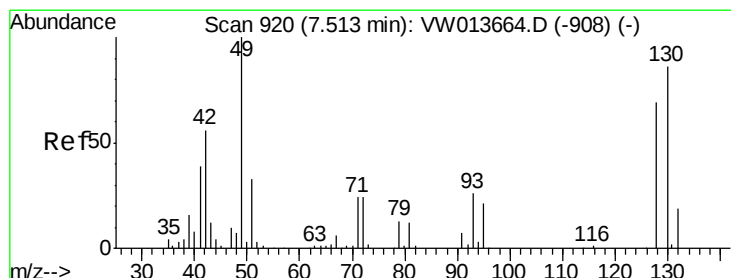
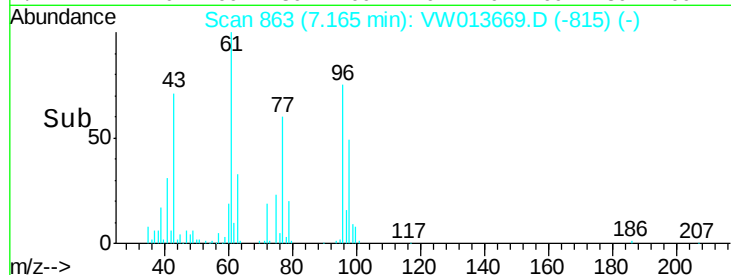
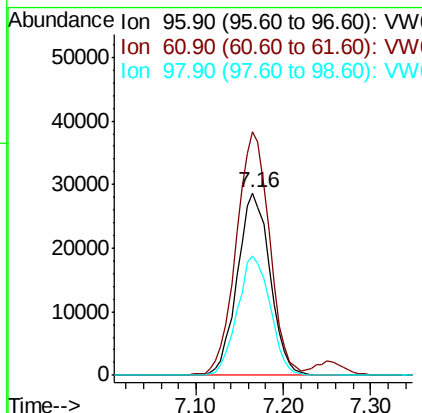
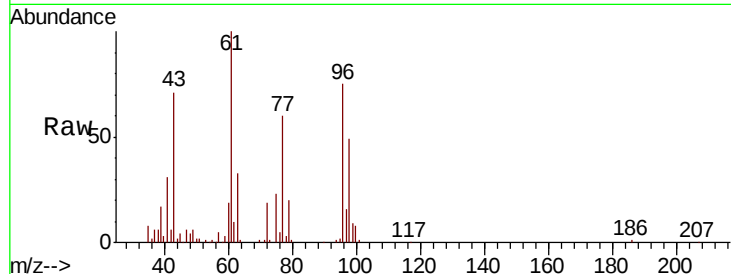
cis-1,2-Dichloroethene
Concen: 20.614 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	266.0
98	65.8	0.0	126.8

Manual Integrations
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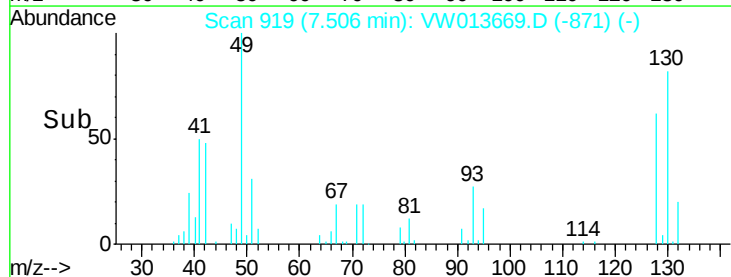
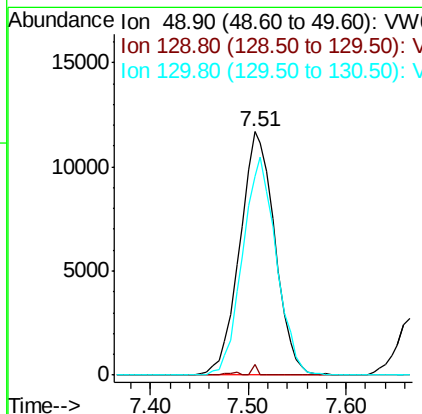
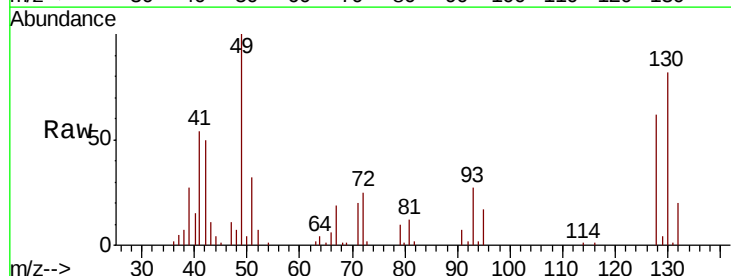
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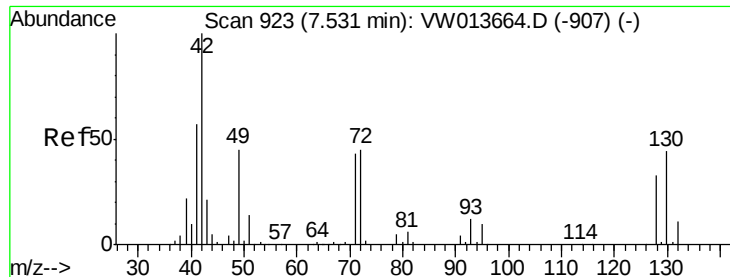


#28

Bromochloromethane
Concen: 15.475 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	0.6#
130	86.6	67.5	101.3





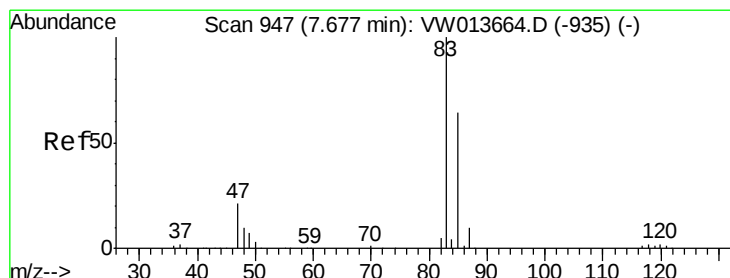
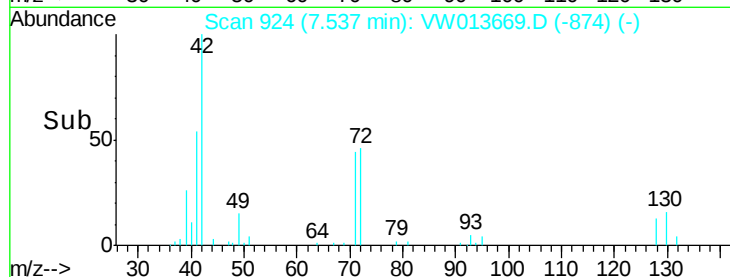
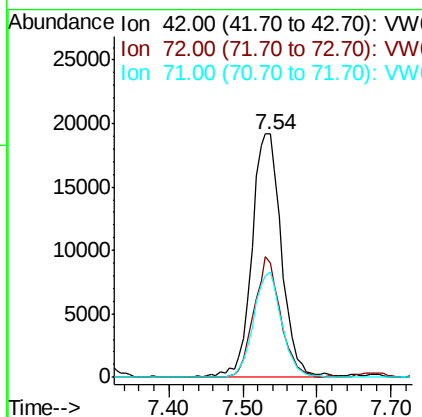
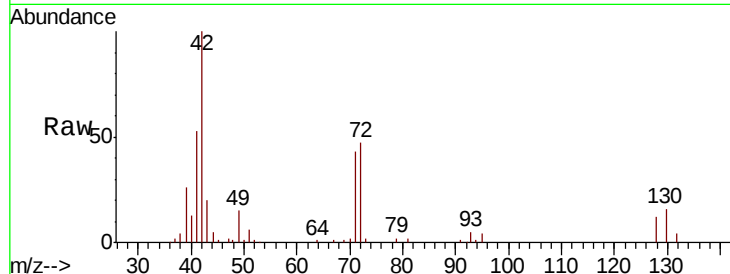
#29
Tetrahydrofuran
Concen: 107.434 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	35.3	52.9
71	40.9	33.3	49.9

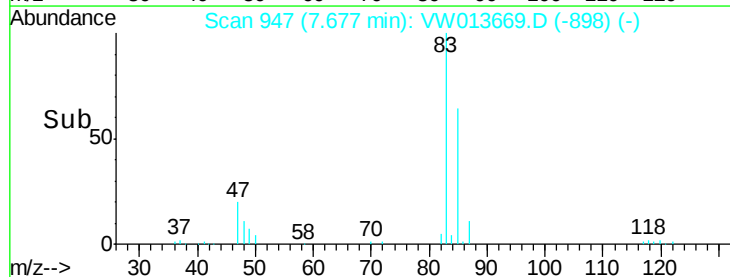
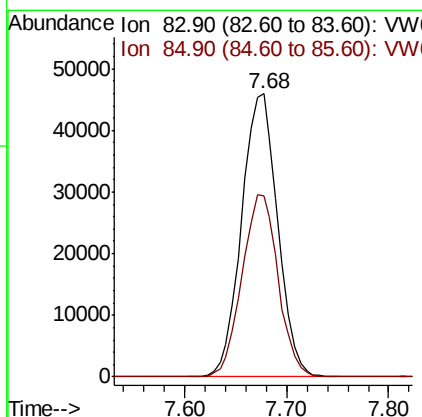
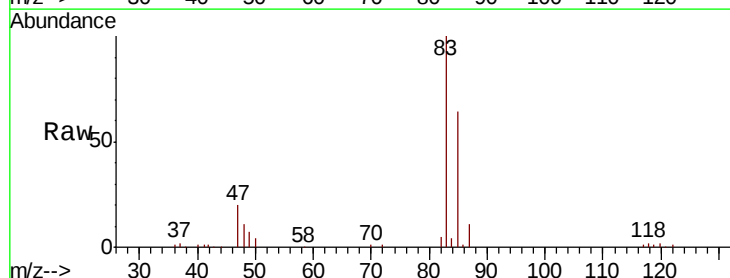
Manual Integrations
APPROVED

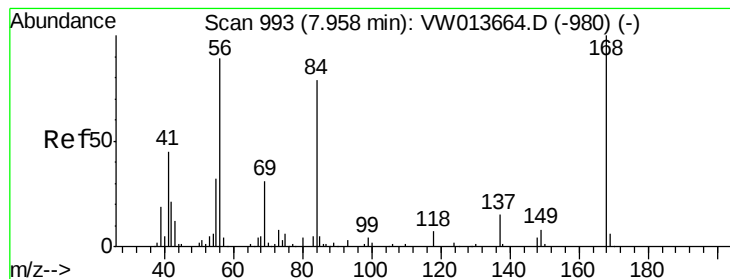
MMDadoda
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#30
Chloroform
Concen: 20.423 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.2





#31

Cyclohexane

Concen: 20.019 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

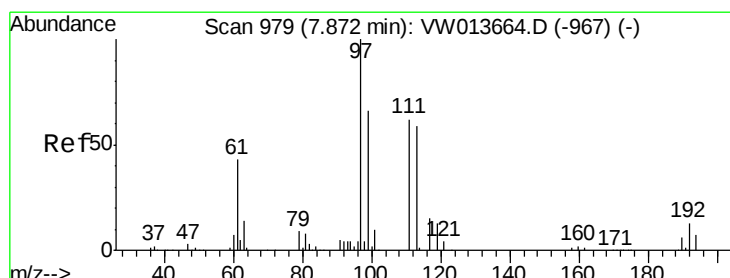
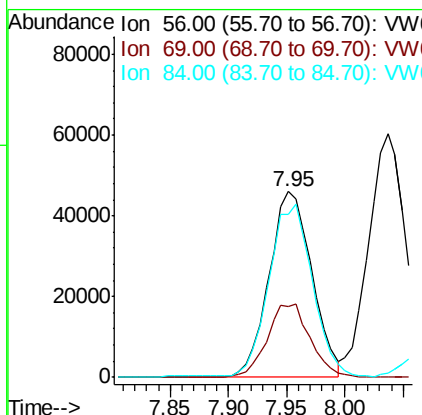
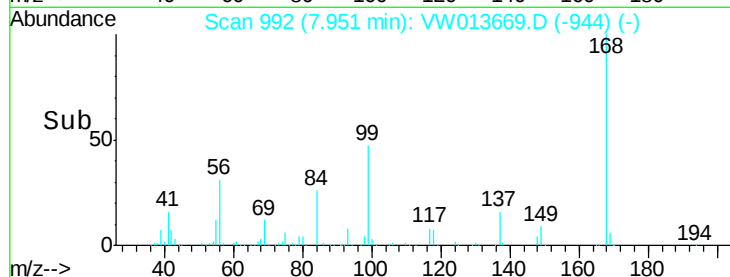
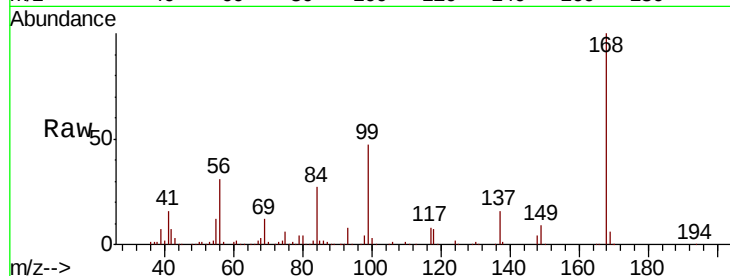
ClientSampleId :

VW1023SBS01

Tot Ion:	56	Resp:	117131
Ion Ratio	Lower	Upper	
56	100		
69	38.5	27.5	41.3
84	86.6	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.806 ug/l

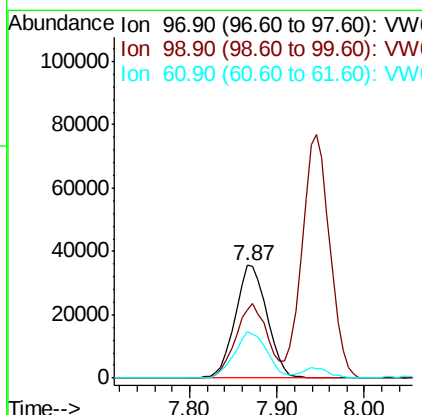
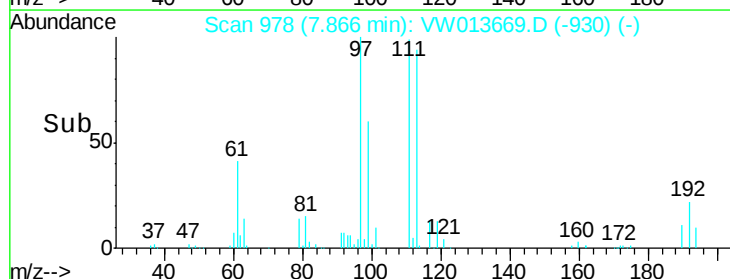
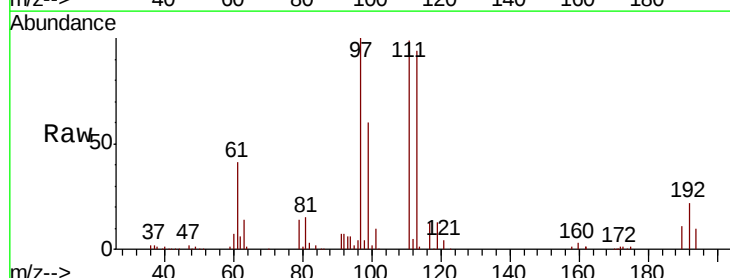
RT: 7.87 min Scan# 978

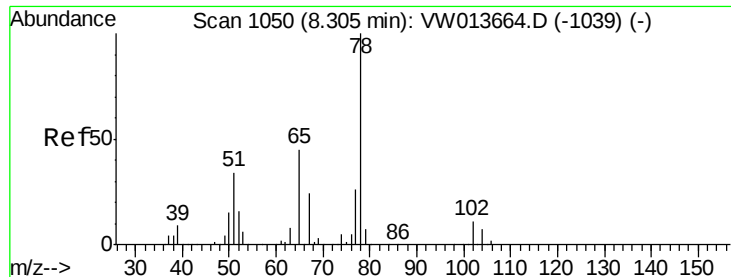
Delta R.T. -0.01 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Tgt Ion:	97	Resp:	90238
Ion Ratio	Lower	Upper	
97	100		
99	66.9	52.0	78.0
61	41.9	33.8	50.6





#33

1,2-Dichloroethane-d4

Concen: 50.808 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 65 Resp: 133758

Ion Ratio Lower Upper

65 100

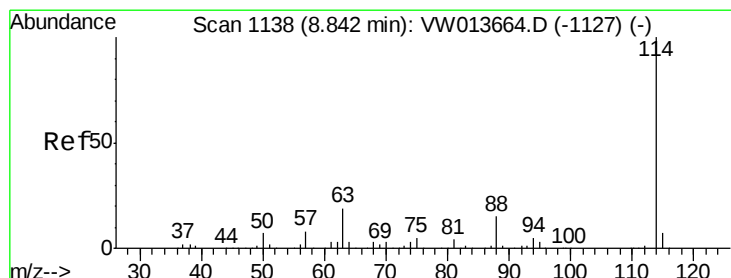
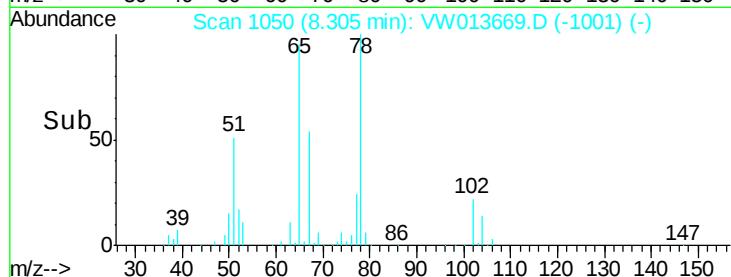
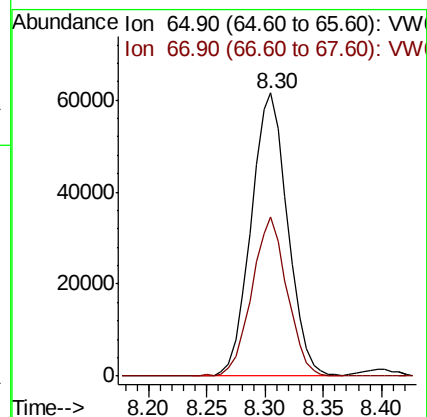
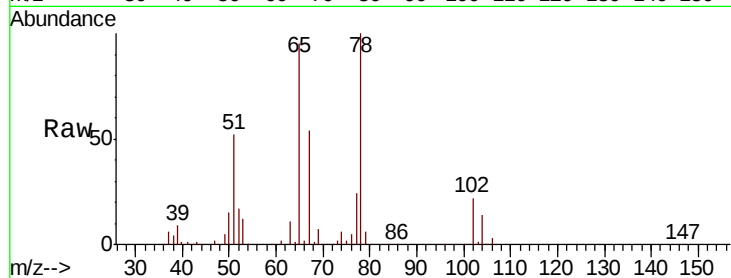
67 54.4 0.0 109.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

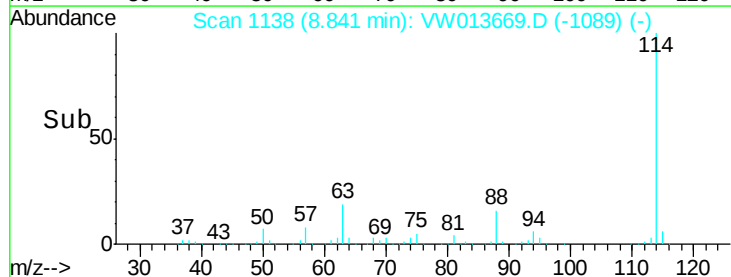
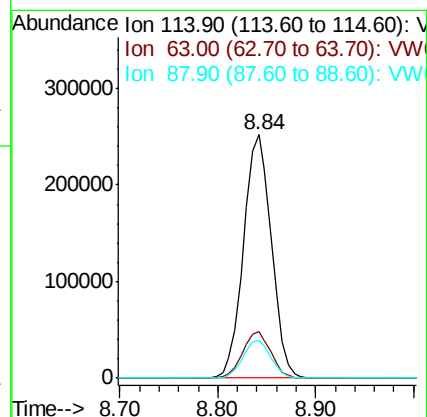
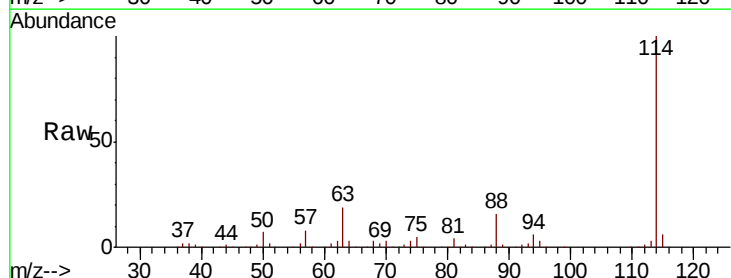
Tgt Ion: 114 Resp: 497049

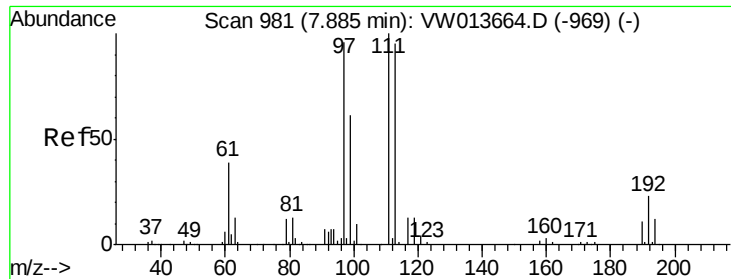
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.6

88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.375 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

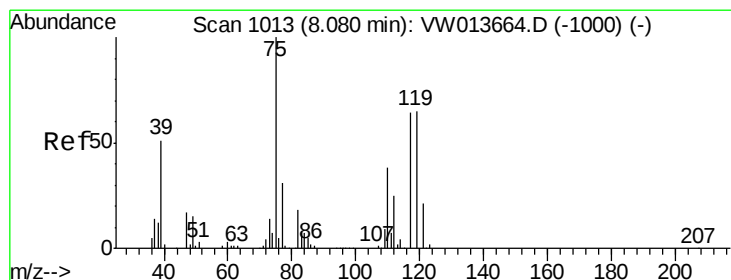
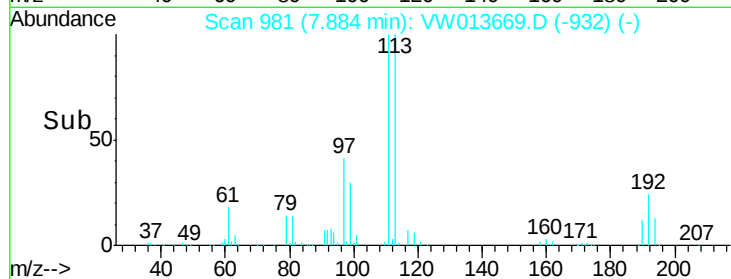
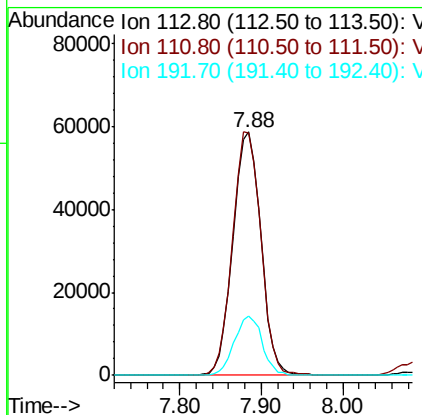
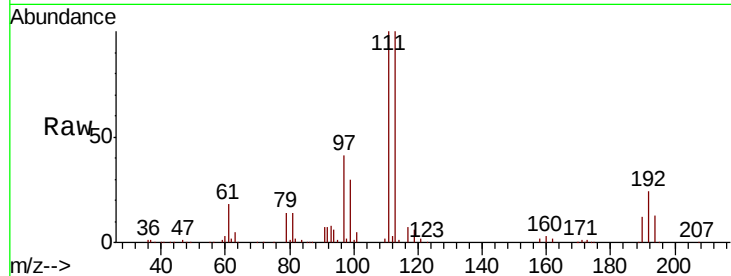
ClientSampleId :

VW1023SBS01

Tot Ion:	113	Resp:	139129
Ion Ratio	Lower	Upper	
113	100		
111	100.8	83.0	124.6
192	24.1	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.650 ug/l

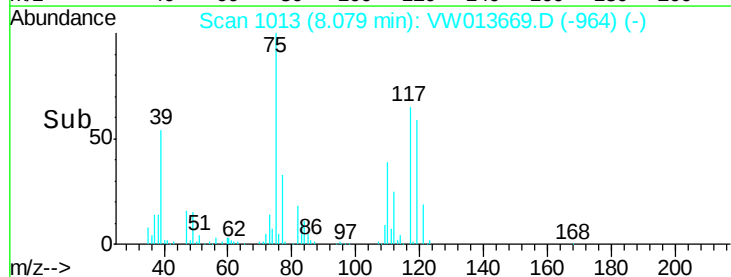
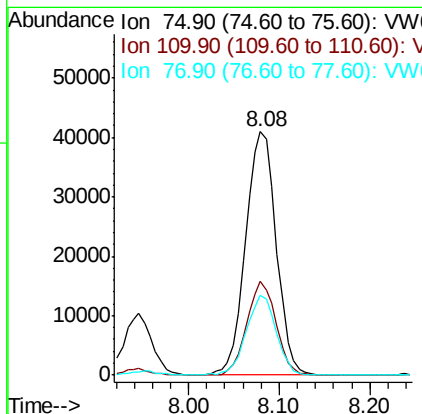
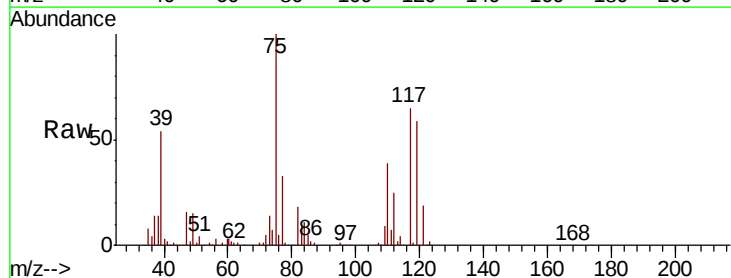
RT: 8.08 min Scan# 1013

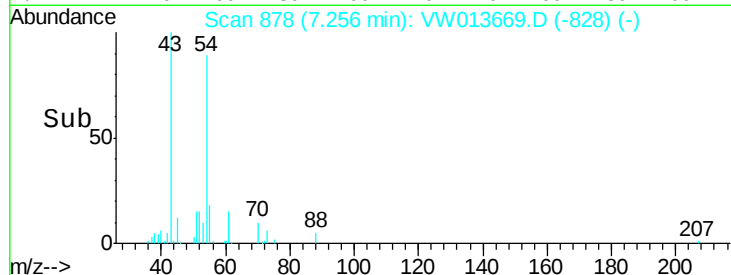
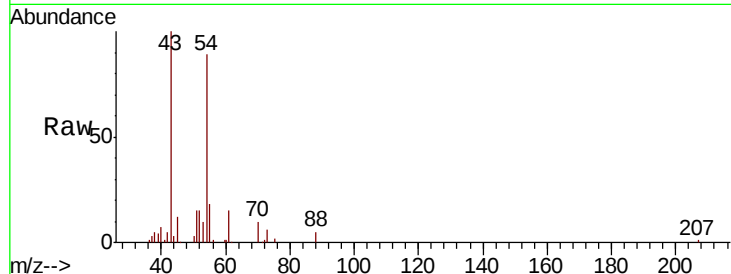
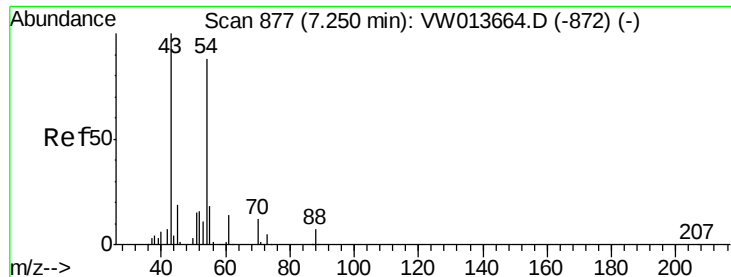
Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Tgt Ion:	75	Resp:	95591
Ion Ratio	Lower	Upper	
75	100		
110	36.8	18.7	56.1
77	32.1	25.4	38.0





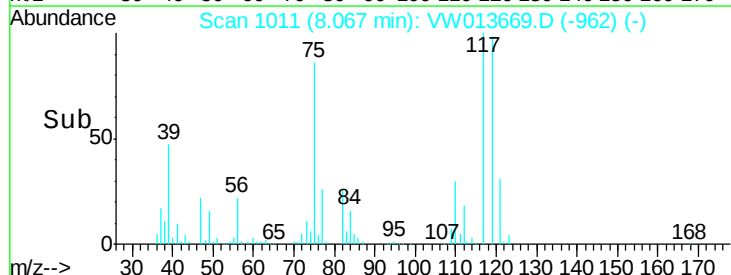
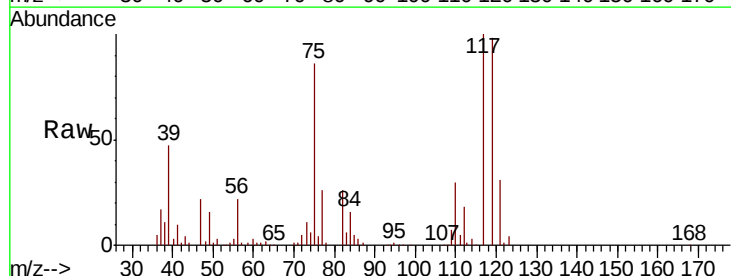
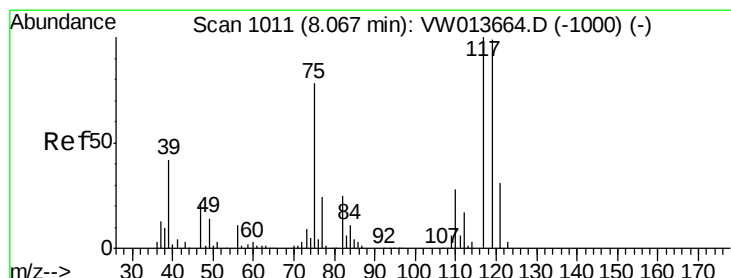
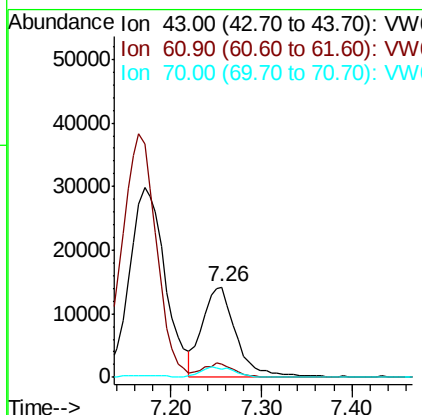
#37
Ethyl Acetate
Concen: 20.691 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.7	17.5
70	11.6	8.8	13.2

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

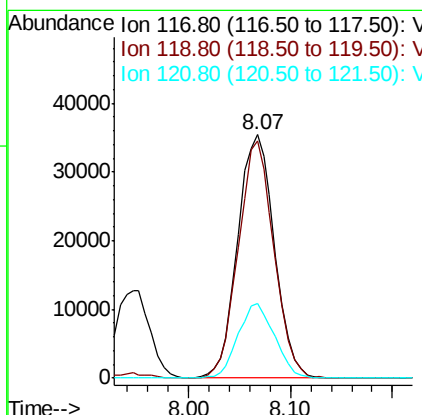
Manual Integrations
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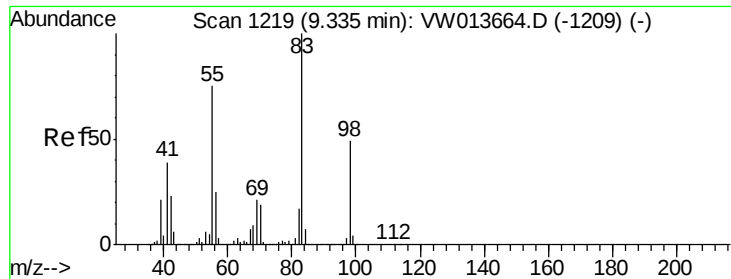
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#38
Carbon Tetrachloride
Concen: 21.241 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.6	79.0	118.4
121	30.8	24.5	36.7





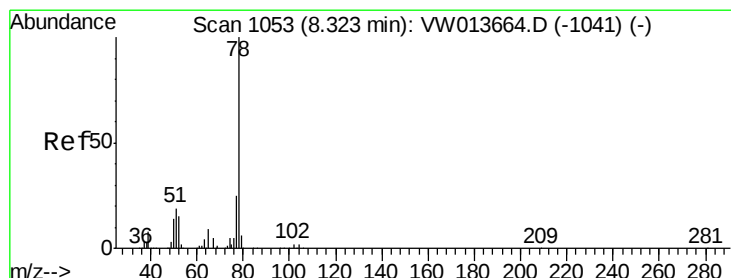
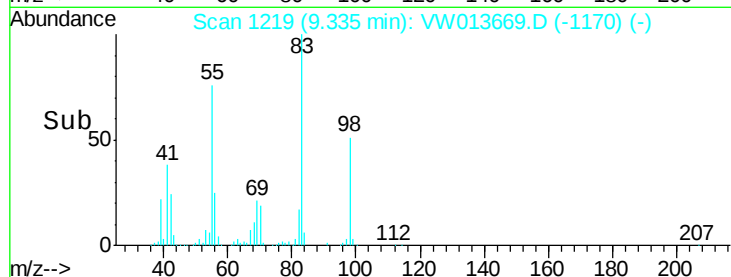
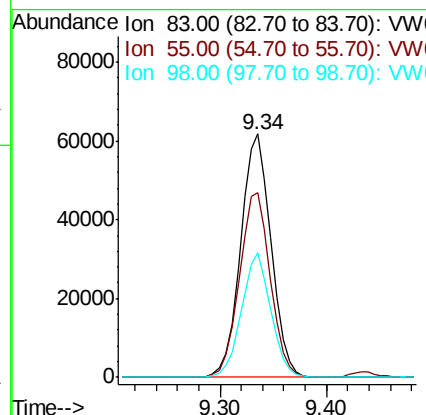
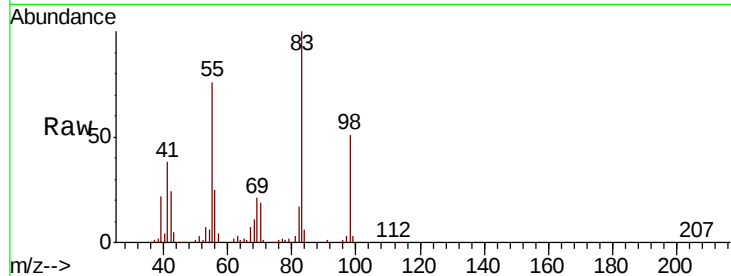
#39
Methvlcvclohexane
Concen: 20.682 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	59.9	89.9
98	51.2	39.4	59.2

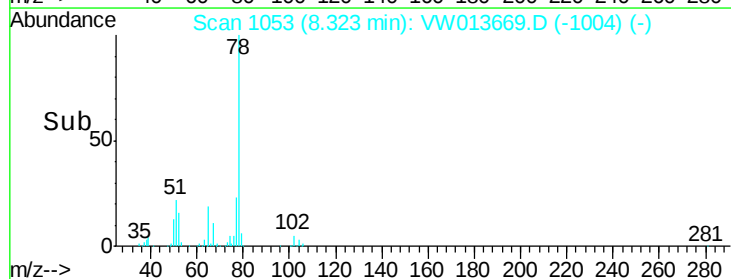
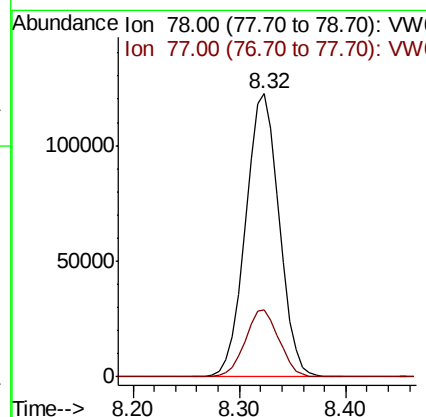
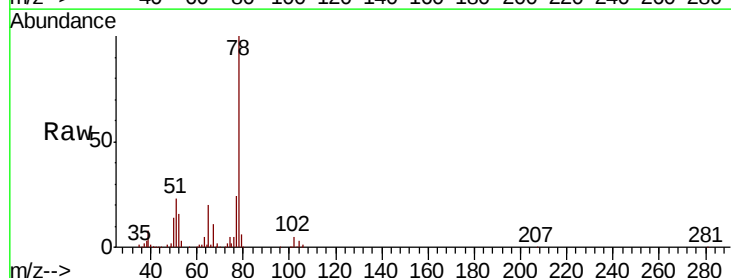
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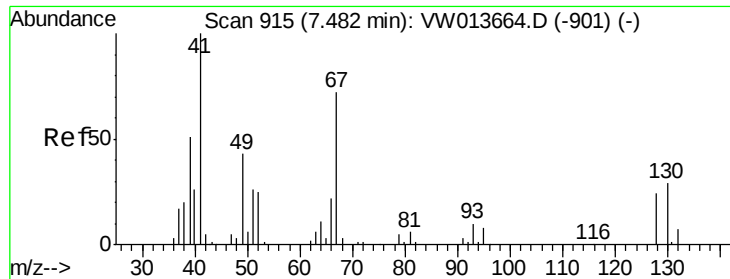
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#40
Benzene
Concen: 20.721 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.6	29.4





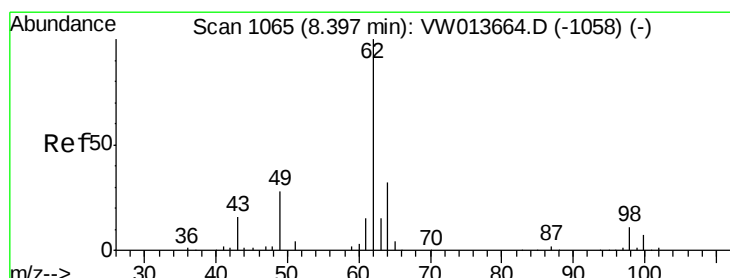
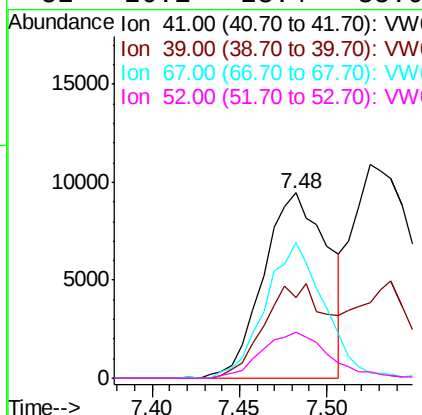
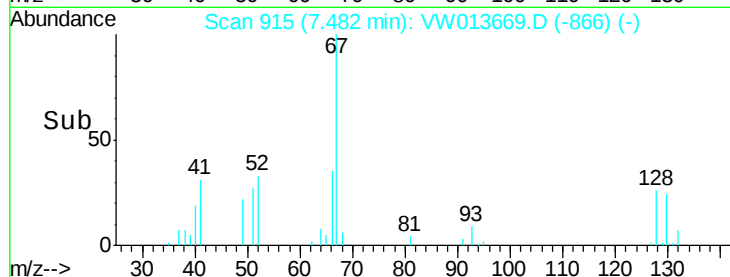
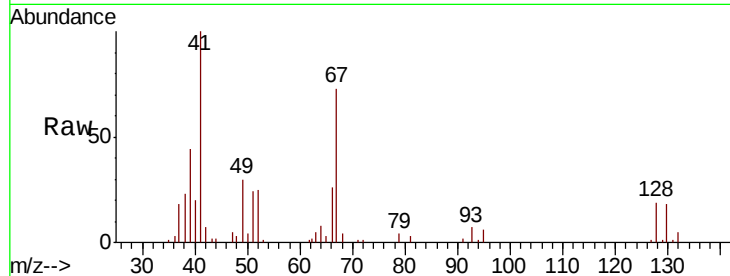
#41
Methacrylonitrile
Concen: 21.996 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	41	Resp	24306
Ion	Ratio	Lower	Upper
41	100		
39	50.0	44.8	67.2
67	68.4	59.3	88.9
52	26.1	23.4	35.0

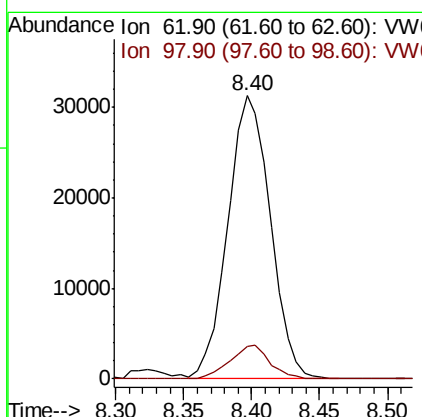
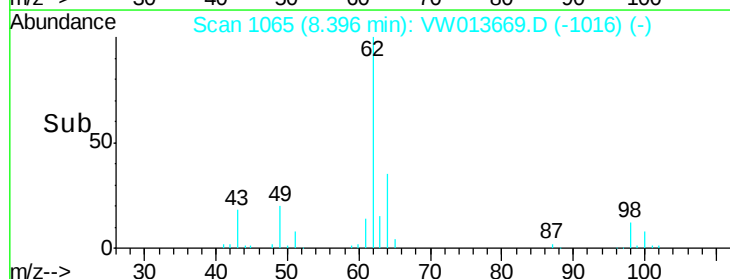
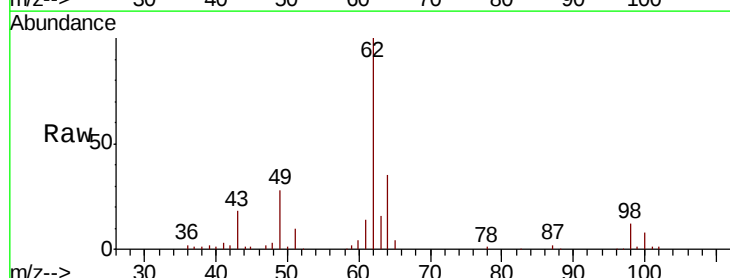
Manual Integrations
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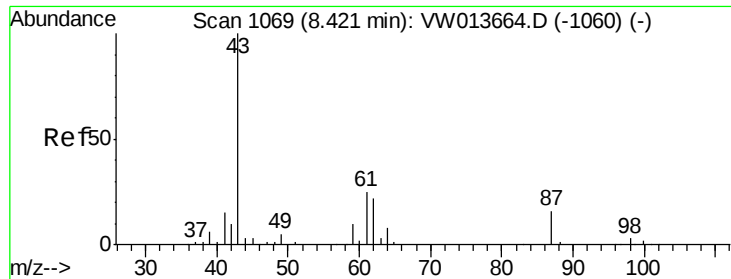
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.601 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	62	Resp	68008
Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	22.4





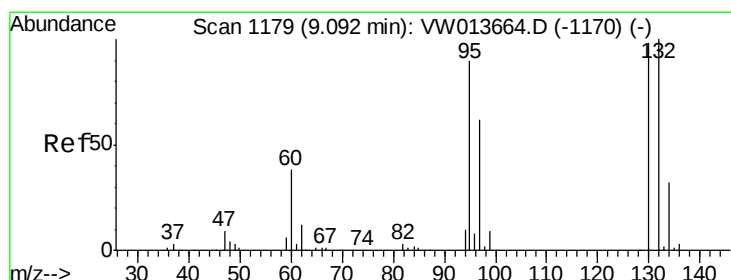
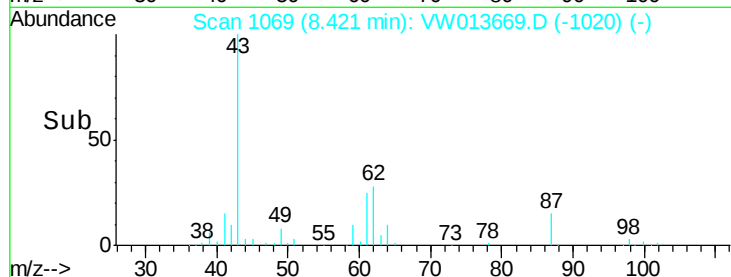
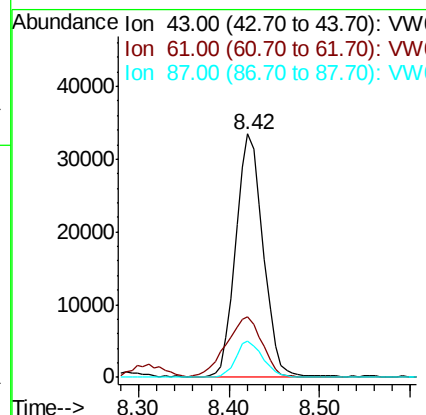
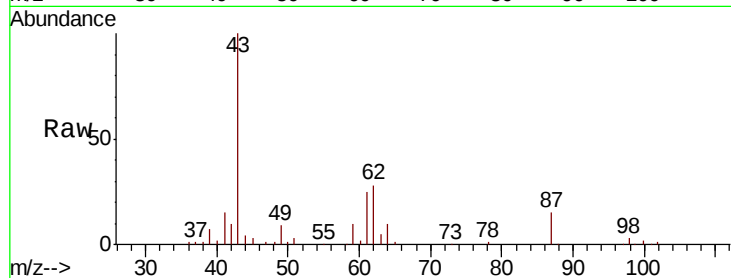
#43
Isopropyl Acetate
Concen: 20.765 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.9	26.1	39.1
87	14.6	11.4	17.0

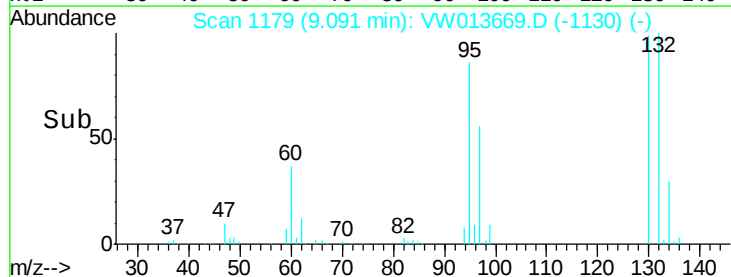
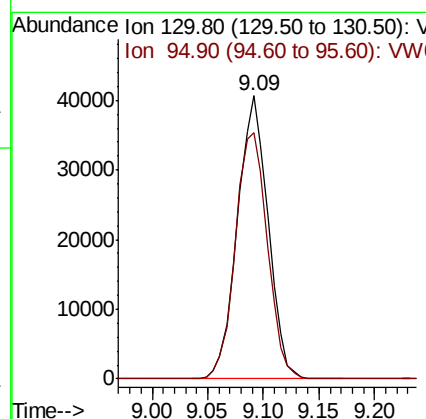
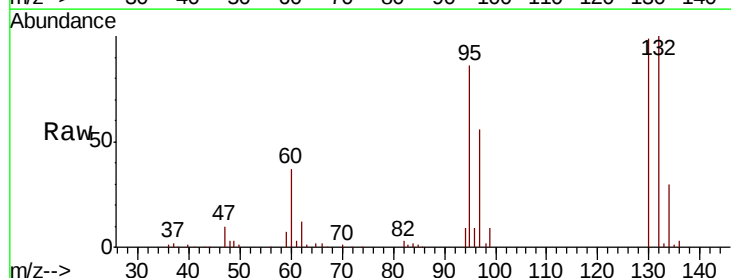
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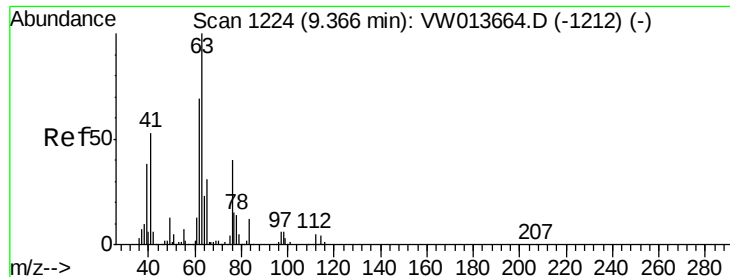
MMDadoda
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#44
Trichloroethene
Concen: 20.734 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.9	0.0	184.6





#45

1,2-Dichloropropane

Concen: 20.314 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 63 Resp: 63564

Ion Ratio Lower Upper

63 100

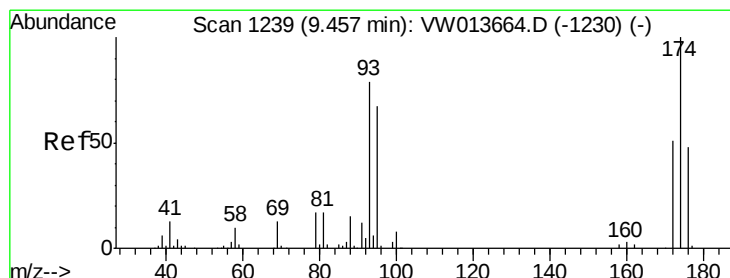
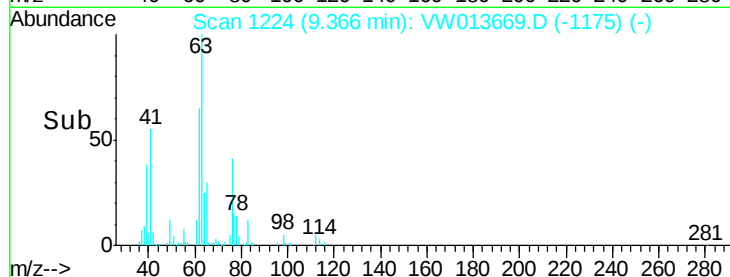
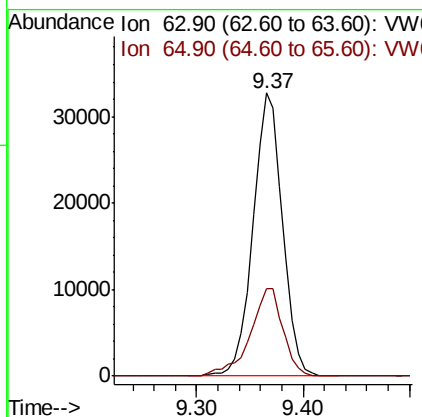
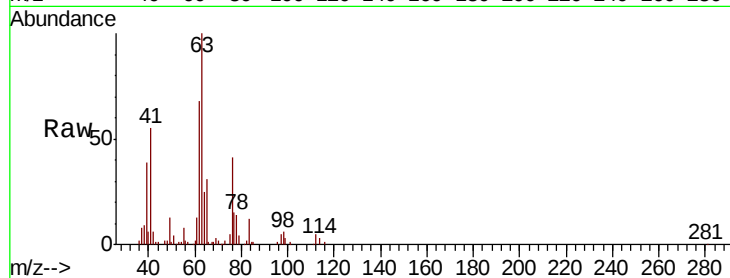
65 30.9 25.2 37.8

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#46

Dibromomethane

Concen: 20.583 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

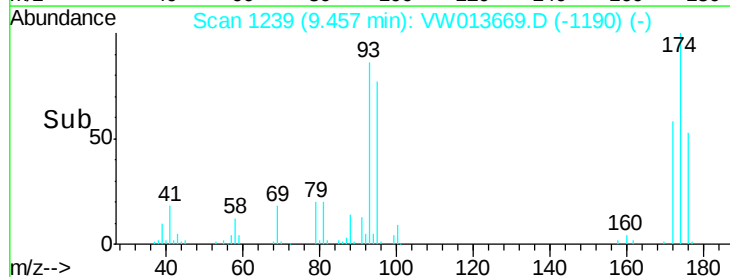
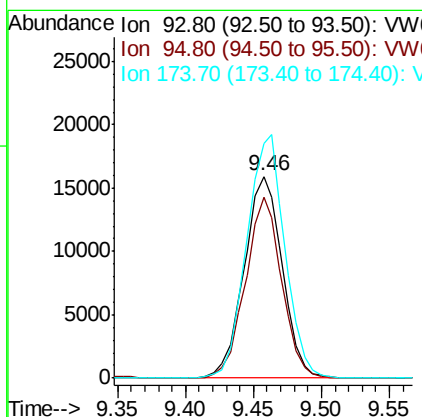
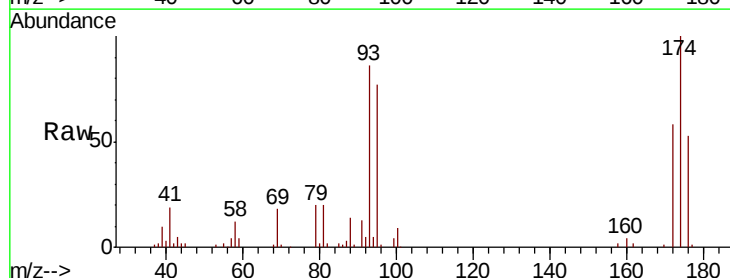
Tgt Ion: 93 Resp: 31260

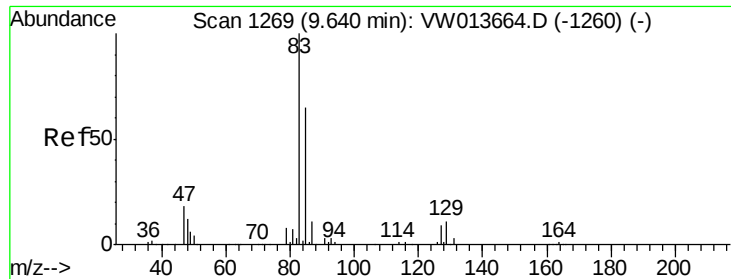
Ion Ratio Lower Upper

93 100

95 85.3 66.5 99.7

174 120.7 99.6 149.4





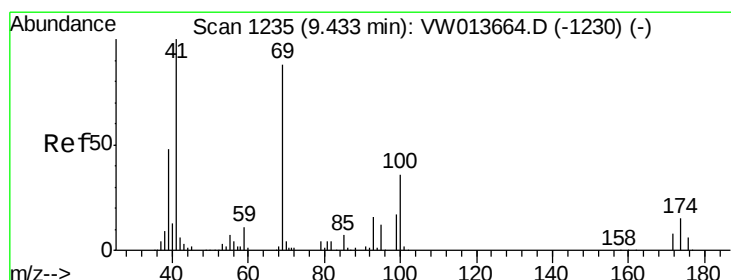
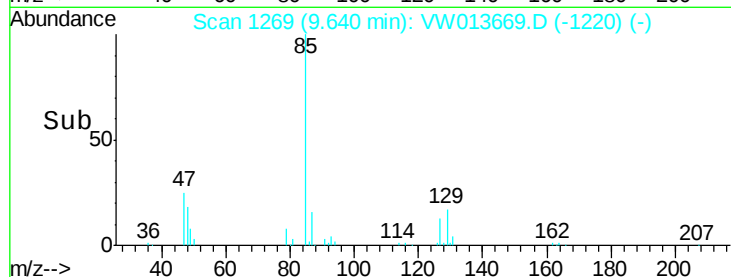
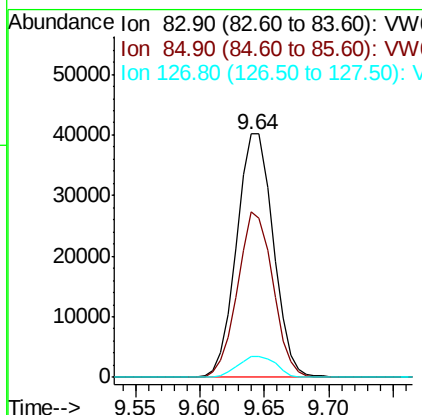
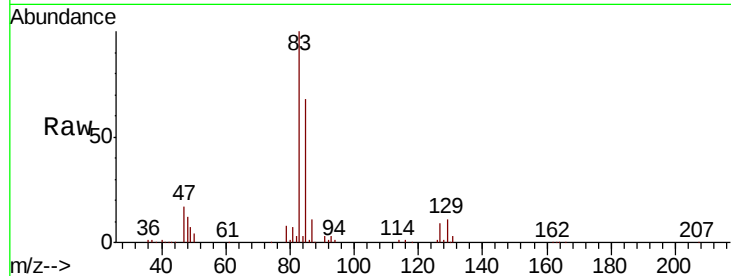
#47
Bromodichloromethane
Concen: 20.189 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	83	Resp	79334
Ion Ratio	100	Lower	Upper
83	100		
85	67.9	51.8	77.6
127	8.8	7.3	10.9

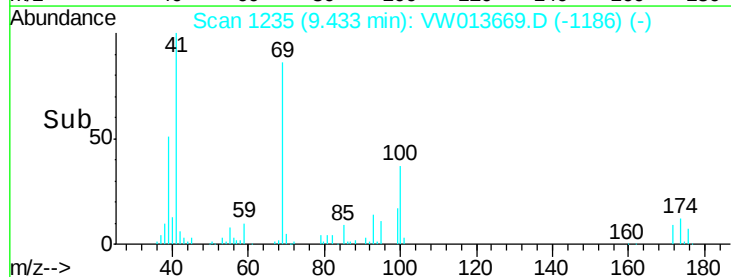
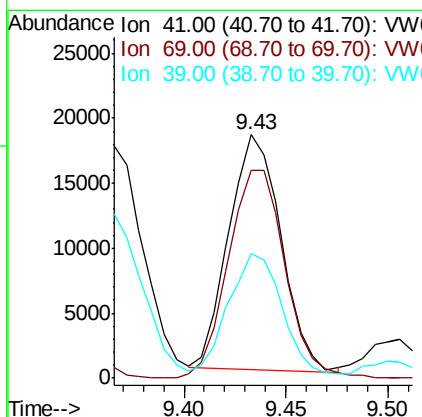
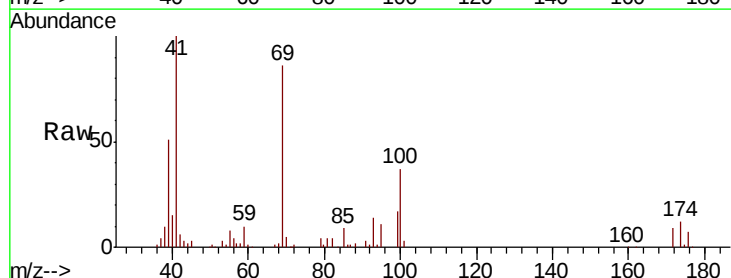
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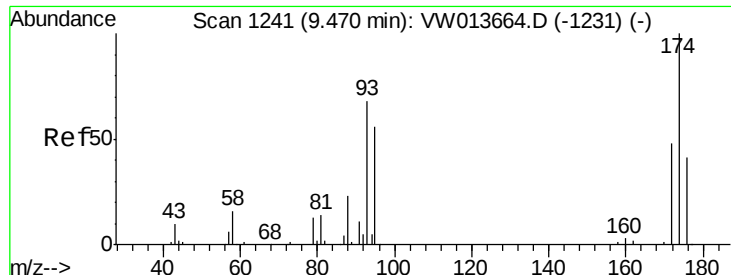
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#48
Methyl methacrylate
Concen: 19.084 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	41	Resp	32100
Ion Ratio	100	Lower	Upper
41	100		
69	96.9	67.6	101.4
39	52.3	38.6	58.0





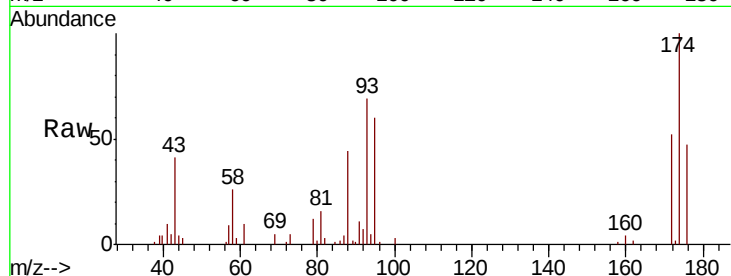
#49
1,4-Dioxane
Concen: 422.418 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

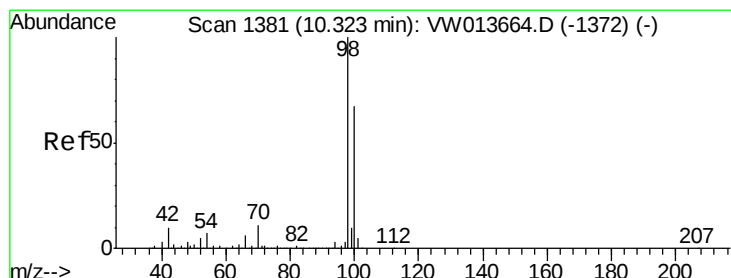
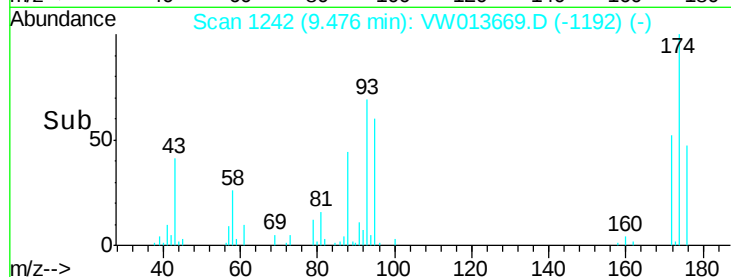
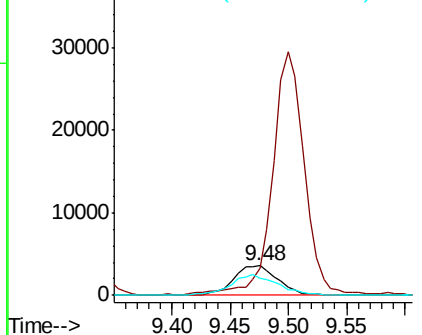
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.2	58.9	88.3

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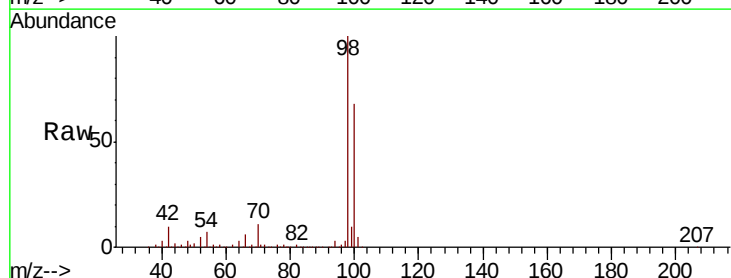


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

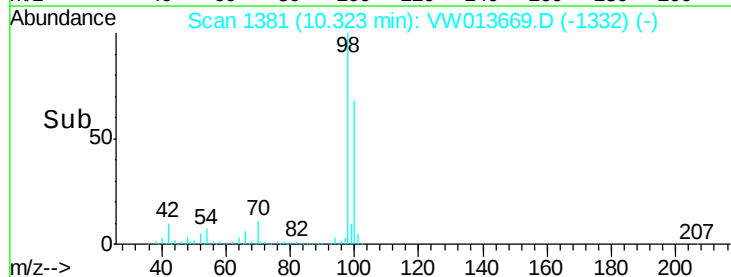
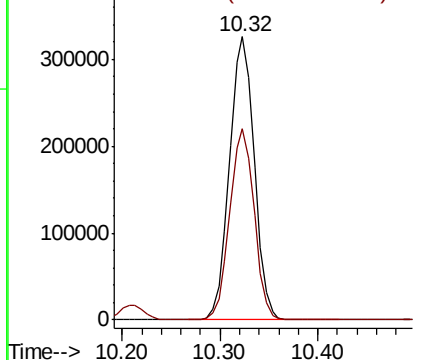


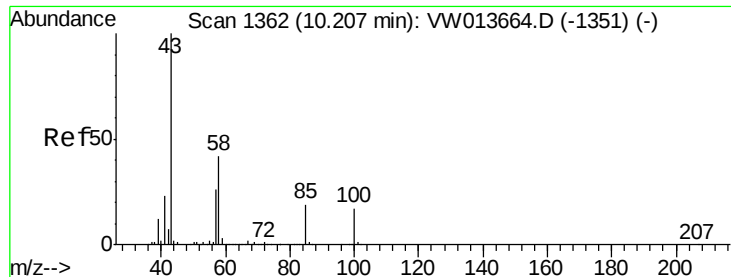
#50
Toluene-d8
Concen: 50.813 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





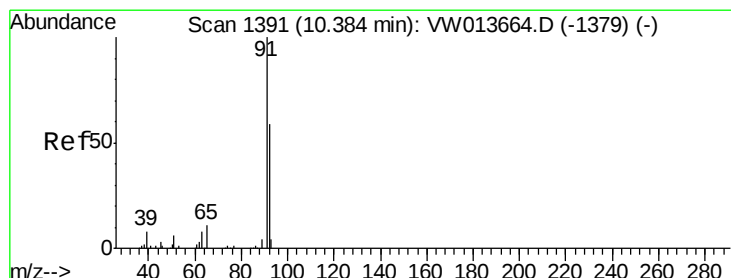
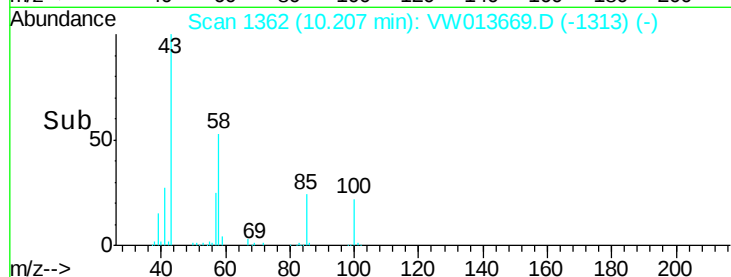
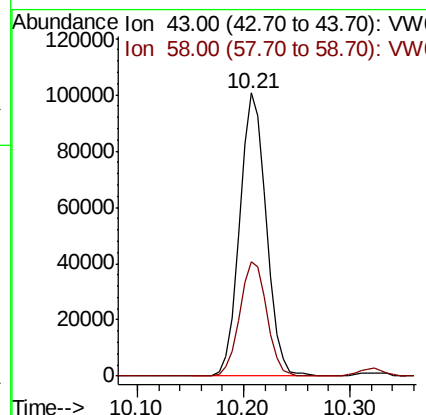
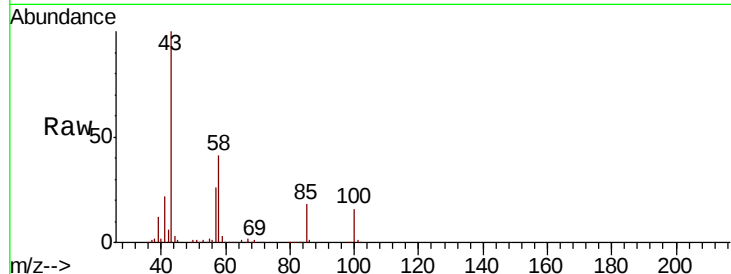
#51
4-Methyl-2-Pentanone
Concen: 104.454 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.5	32.6	49.0

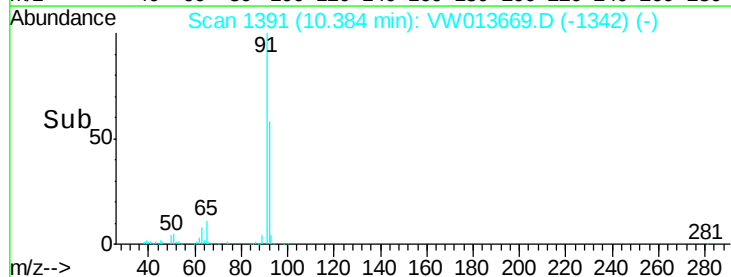
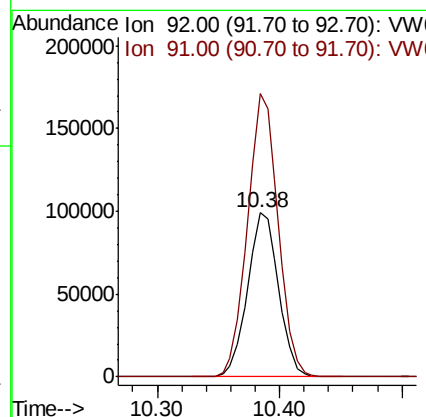
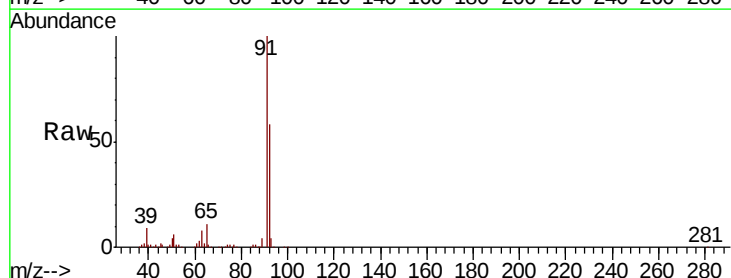
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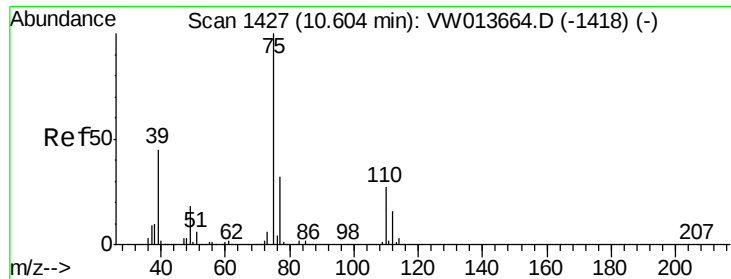
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#52
Toluene
Concen: 20.614 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	134.5	201.7





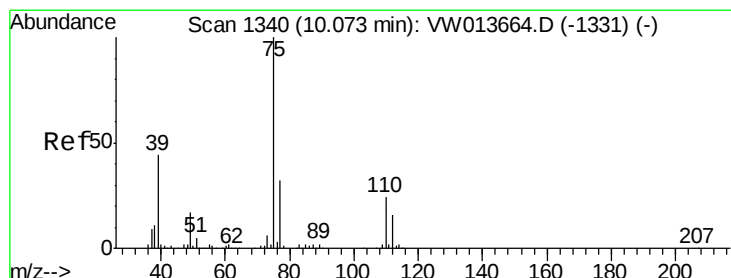
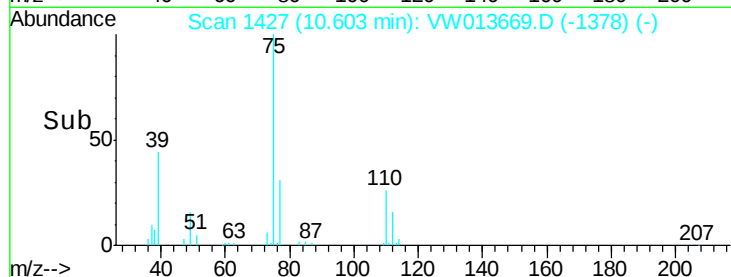
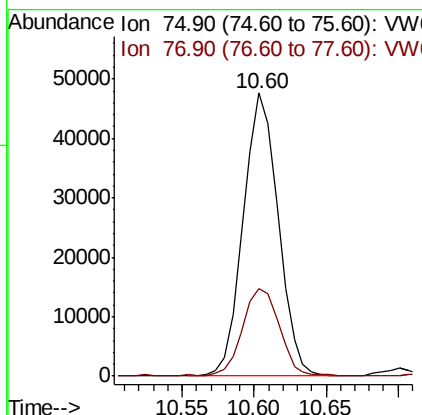
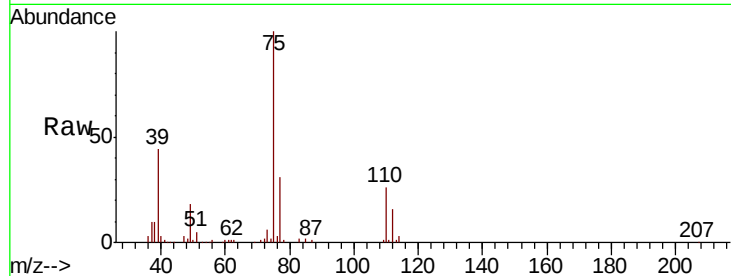
#53
 t-1,3-Dichloropropene
 Concen: 20.177 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS01

Tot Ion: 75 Resp: 80265
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.5 38.3

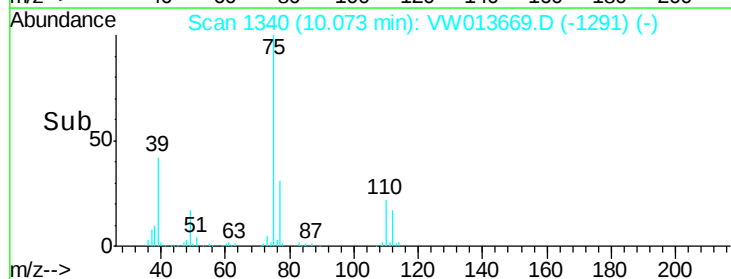
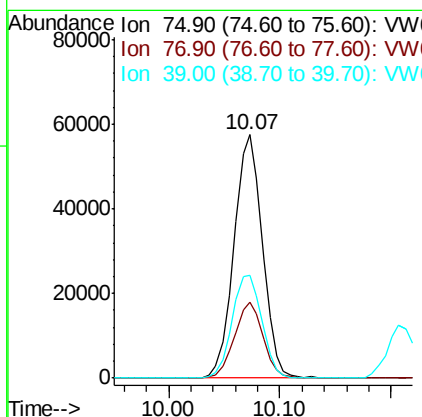
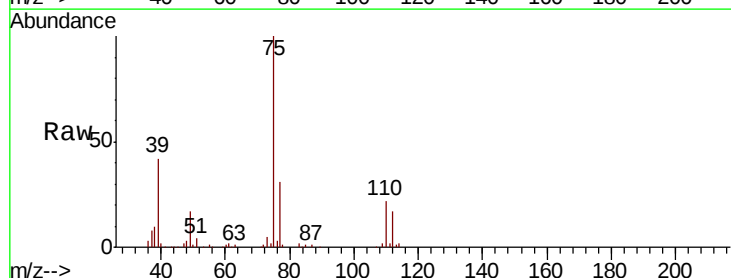
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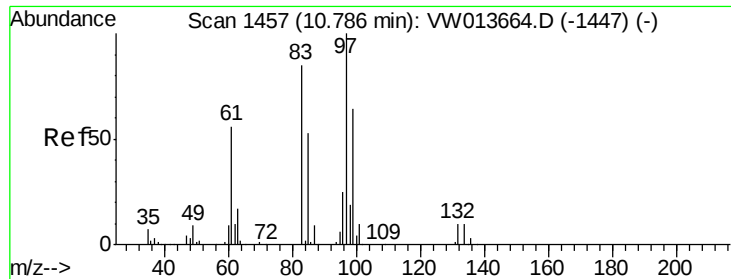
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#54
 cis-1,3-Dichloropropene
 Concen: 20.663 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Tgt Ion: 75 Resp: 101416
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.6
 39 42.1 35.3 52.9





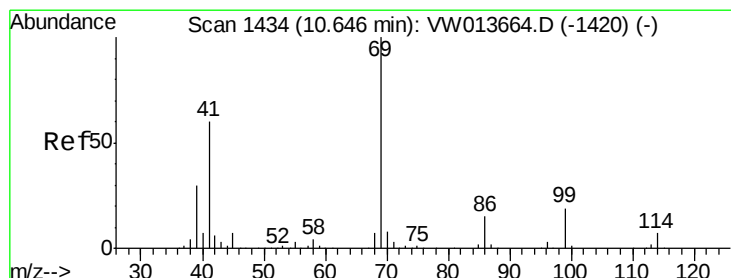
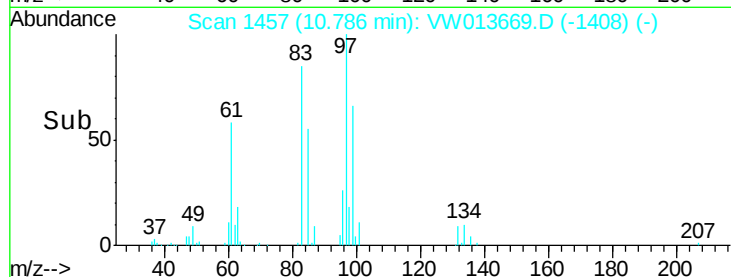
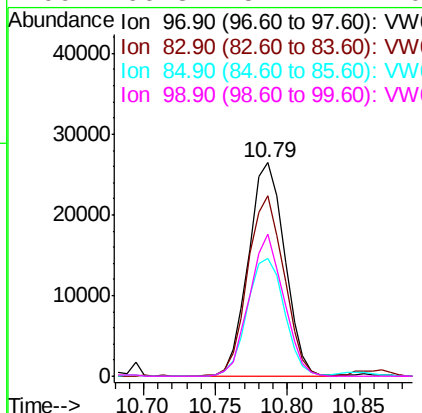
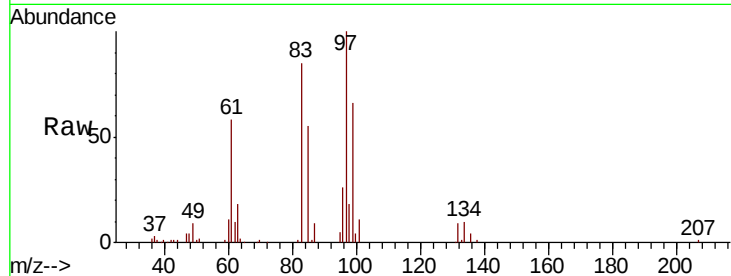
#55
 1,1,2-Trichloroethane
 Concen: 20.435 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.6	67.8	101.8
85	55.4	42.1	63.1
99	66.3	51.4	77.0

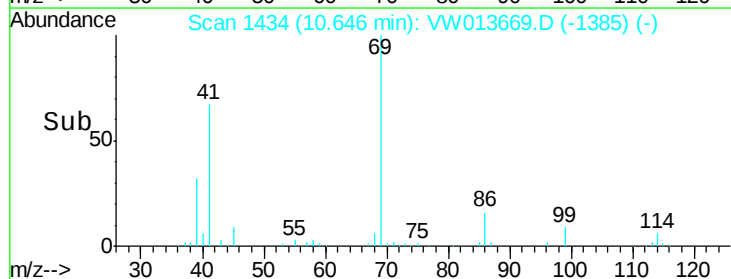
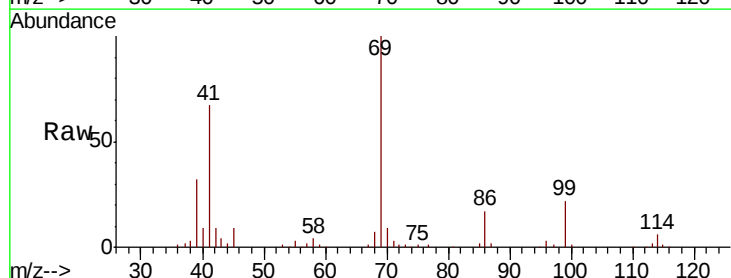
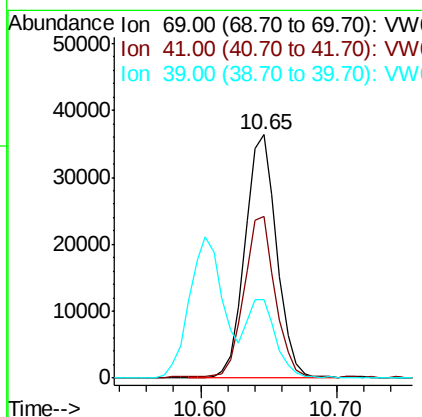
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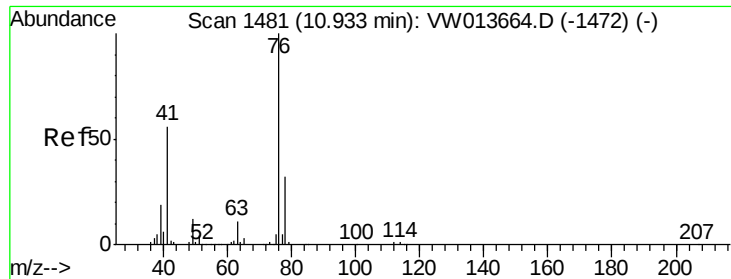
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#56
 Ethyl methacrylate
 Concen: 20.932 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.9	51.6	77.4
39	28.8	22.4	33.6





#57

1,3-Dichloropropane

Concen: 20.662 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 76 Resp: 80253

Ion Ratio Lower Upper

76 100

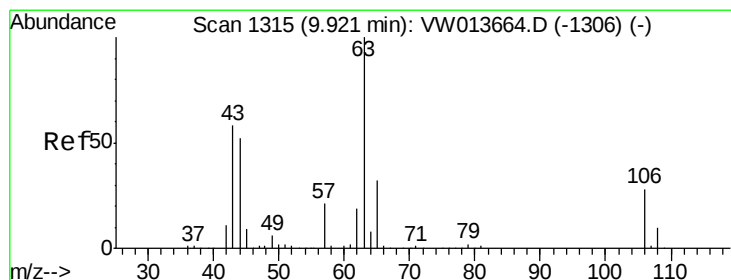
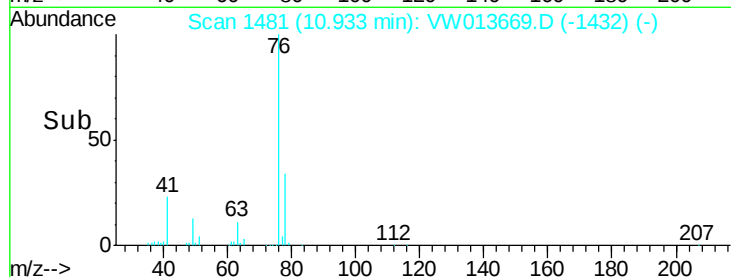
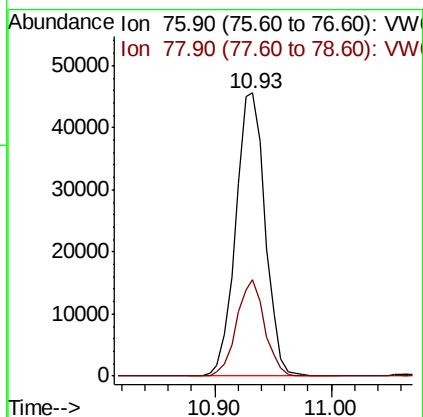
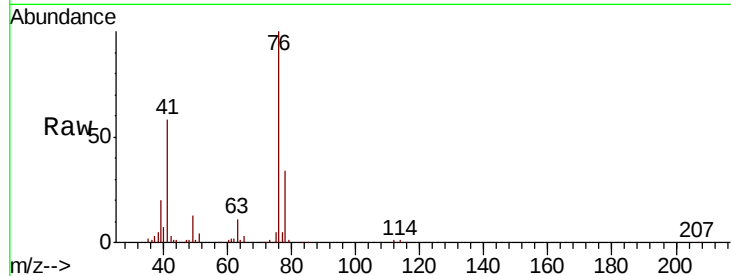
78 32.4 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 104.037 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013669.D

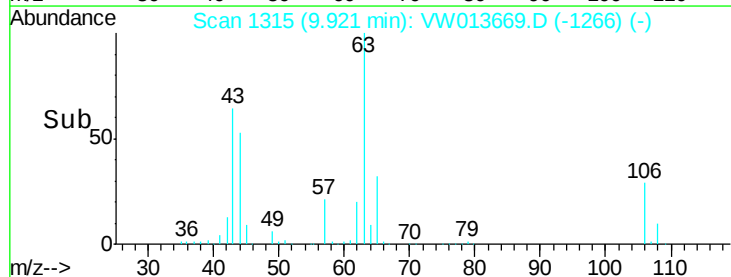
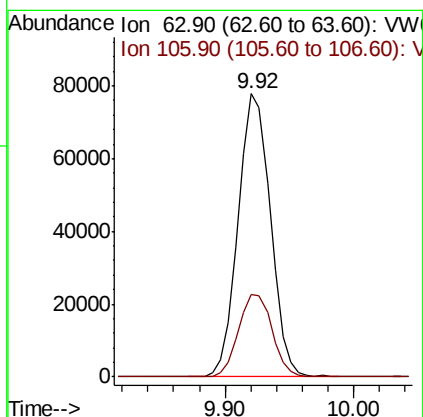
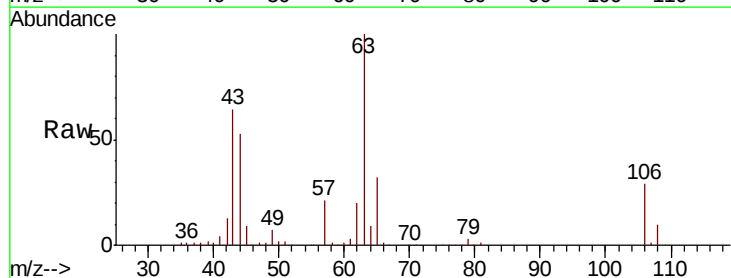
Acq: 23 Oct 2019 16:13

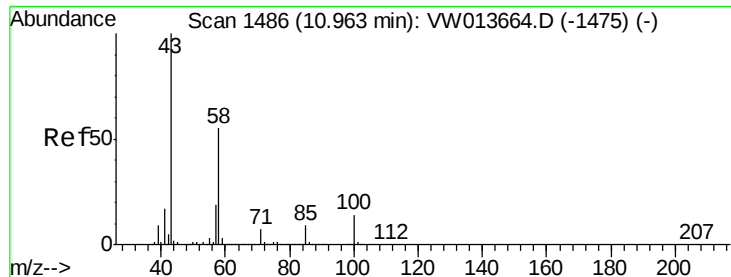
Tgt Ion: 63 Resp: 135592

Ion Ratio Lower Upper

63 100

106 30.2 23.8 35.8





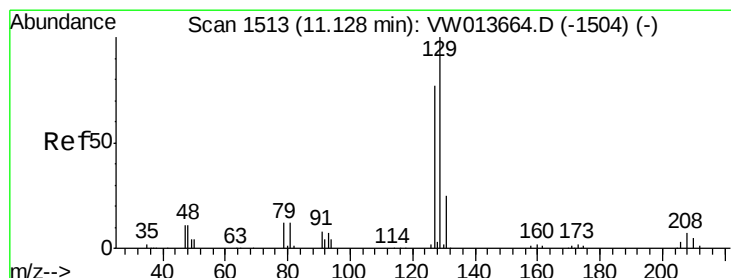
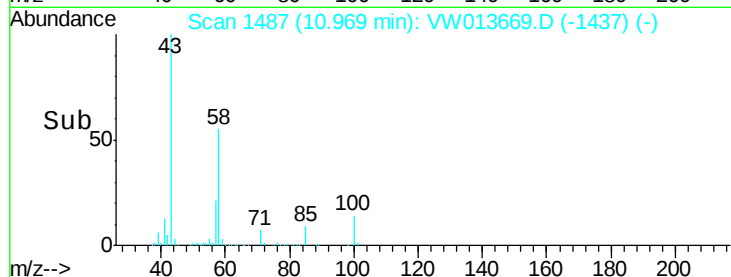
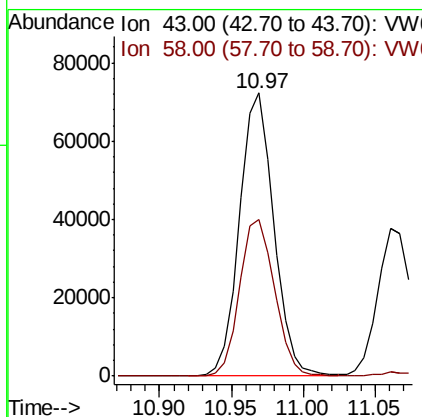
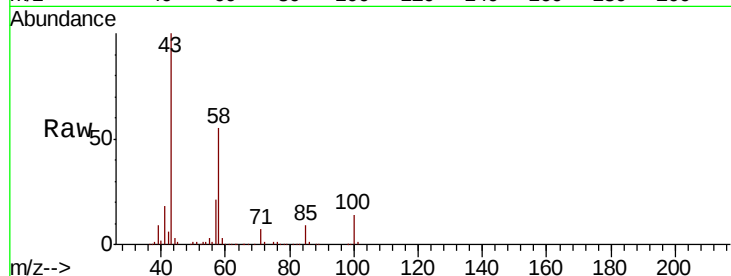
#59
2-Hexanone
Concen: 102.636 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.7	27.9	83.7

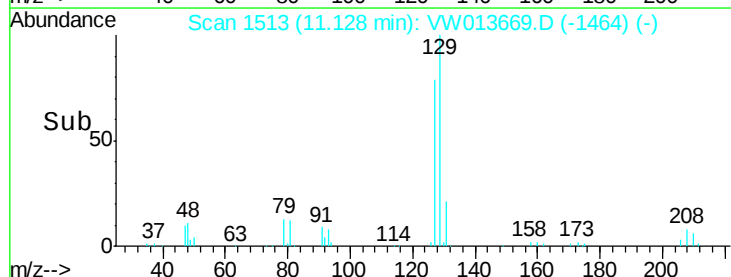
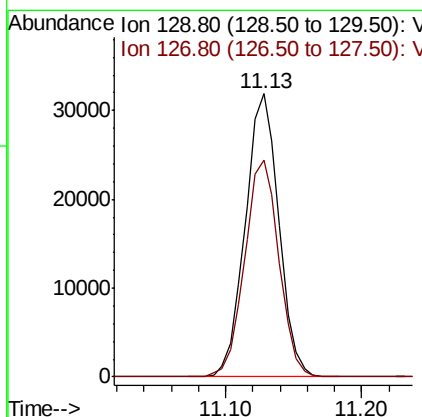
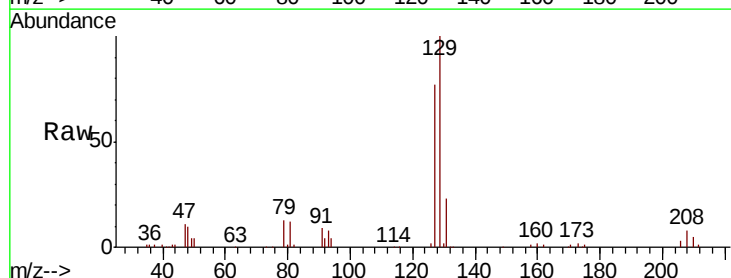
Manual Integrations
APPROVED

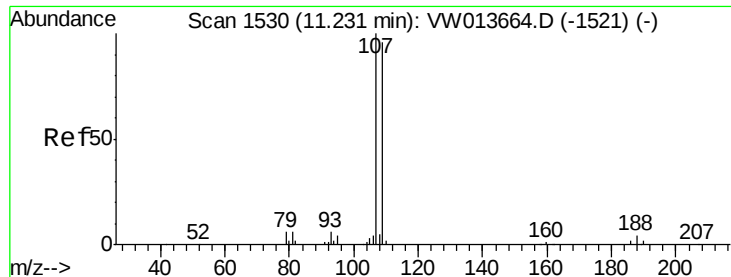
MMDadoda
10/24/2019 1:27:08 PM



#60
Dibromochloromethane
Concen: 20.474 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.9	116.7





#61

1,2-Dibromoethane

Concen: 21.186 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 107 Resp: 45366

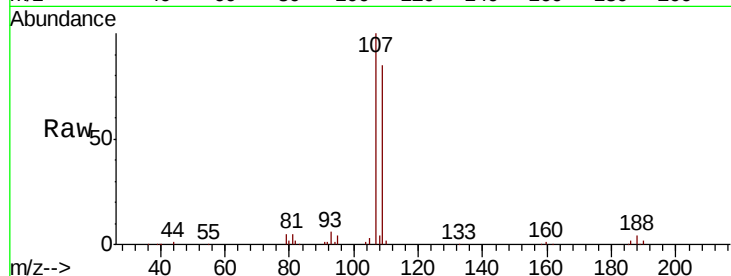
Ion Ratio Lower Upper

107 100

109 92.5 75.7 113.5

Manual Integrations
APPROVED

MMDadoda
10/24/2019 1:27:08 PM

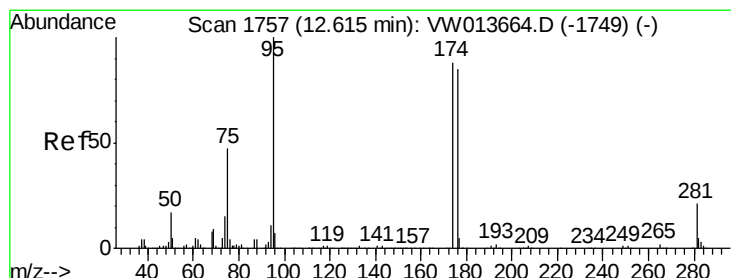
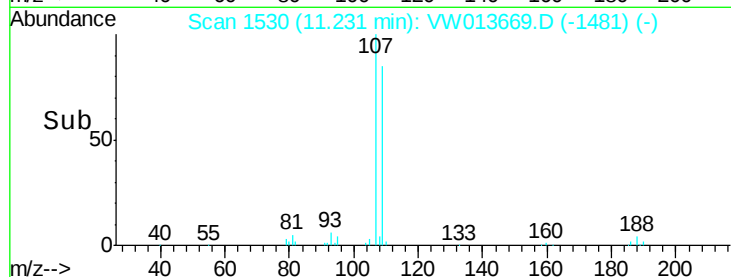


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

Time-->



#62

4-Bromofluorobenzene

Concen: 50.275 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

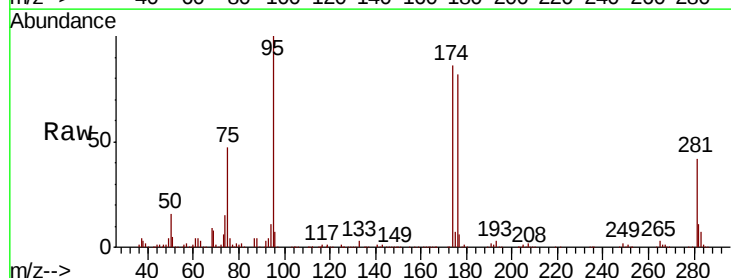
Tgt Ion: 95 Resp: 191581

Ion Ratio Lower Upper

95 100

174 91.0 0.0 183.6

176 89.4 0.0 178.0



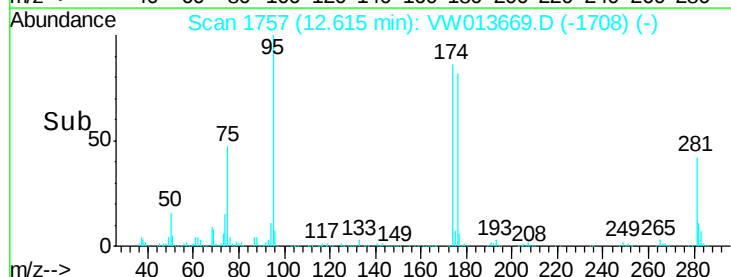
Abundance Ion 94.90 (94.60 to 95.60): VW

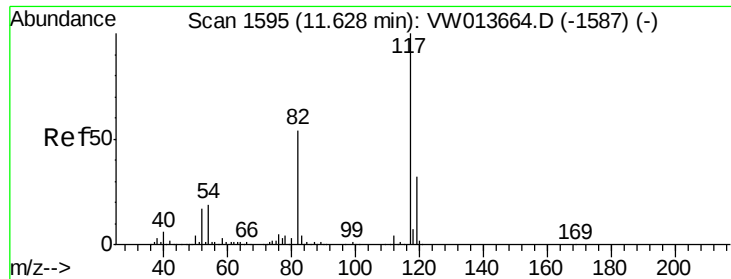
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

Time-->





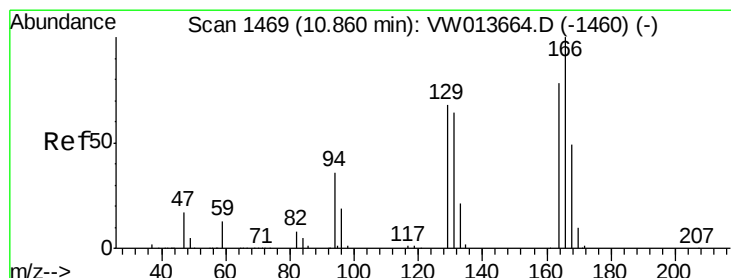
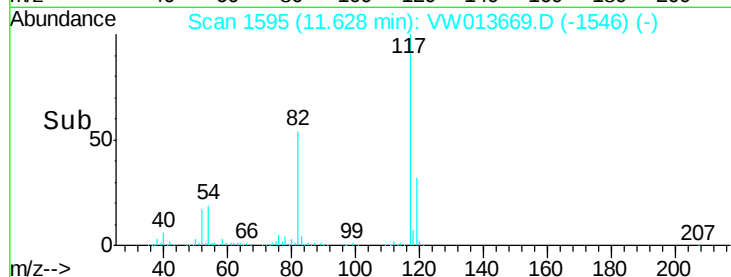
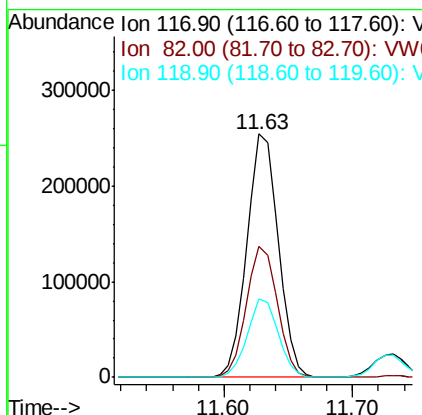
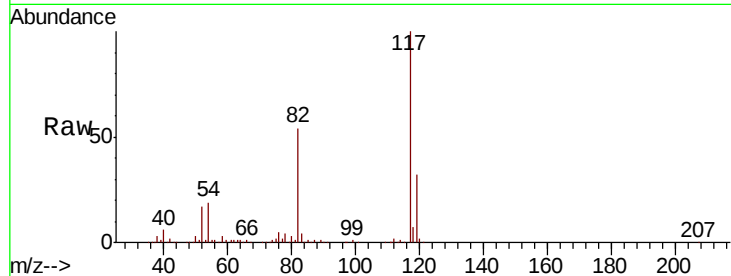
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.6	65.4
119	32.3	25.4	38.2

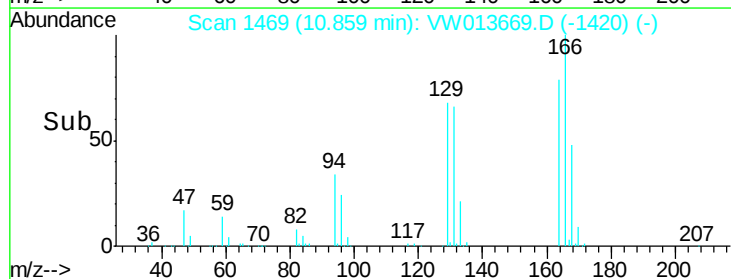
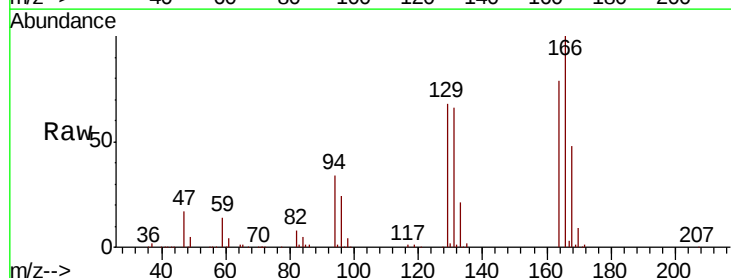
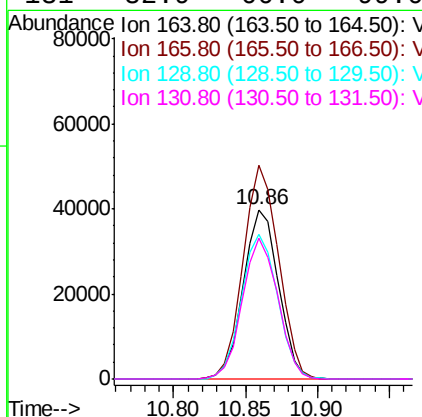
Manual Integrations
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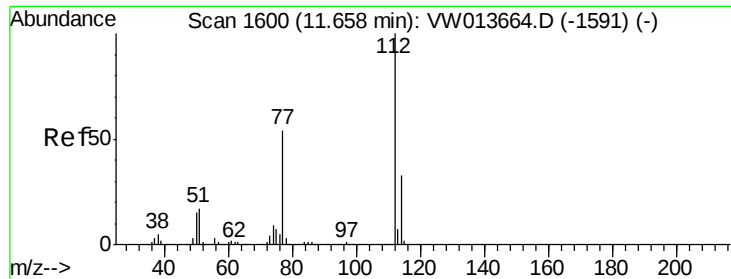
MMDadoda
10/24/2019 1:27:08 PM



#64
Tetrachloroethene
Concen: 20.538 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.2	154.8
129	85.3	70.6	105.8
131	82.9	66.0	99.0





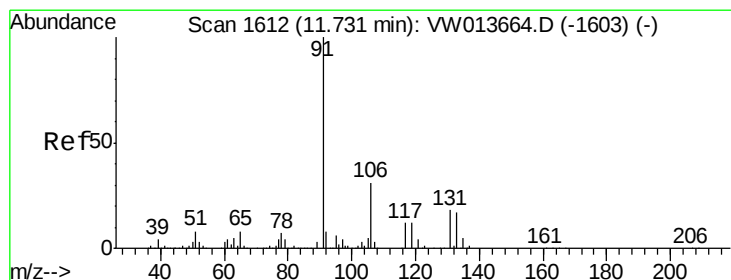
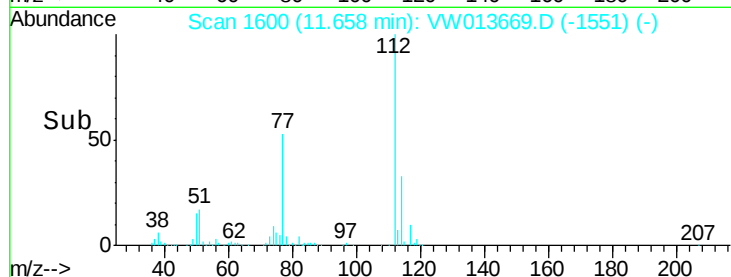
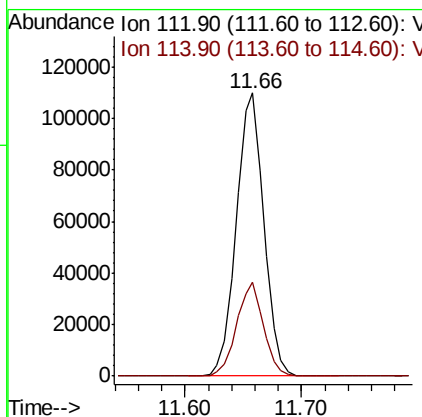
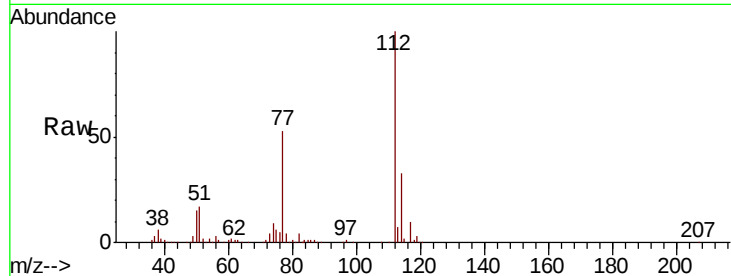
#65
Chlorobenzene
Concen: 20.558 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion:112 Resp: 180903
Ion Ratio Lower Upper
112 100
114 33.1 26.2 39.4

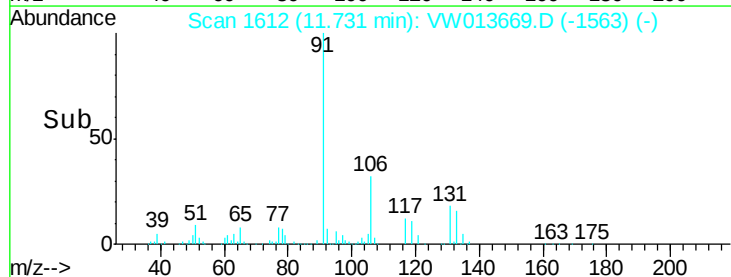
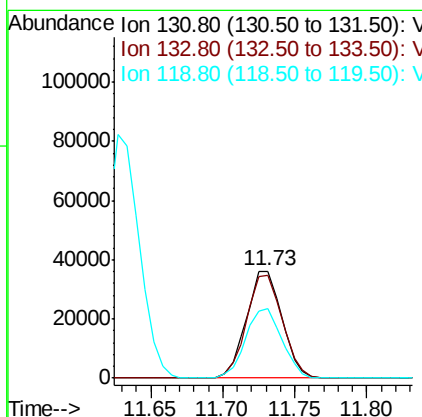
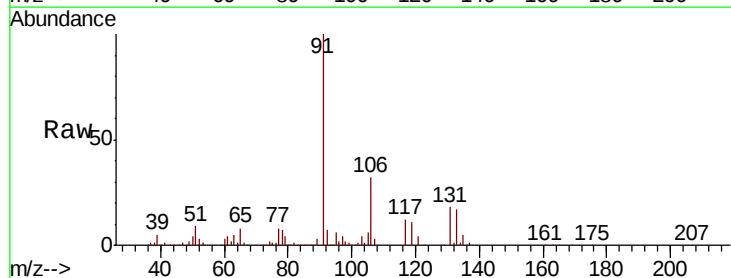
Manual Integrations
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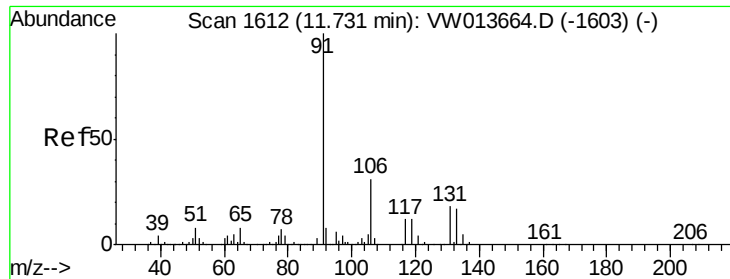
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.167 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion:131 Resp: 61934
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.3
119 66.0 33.1 99.2





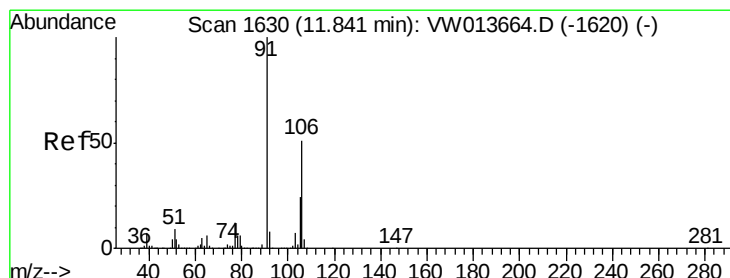
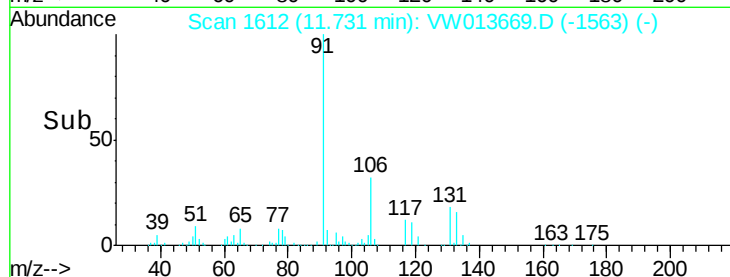
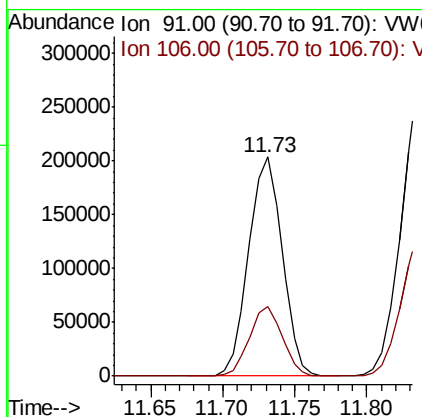
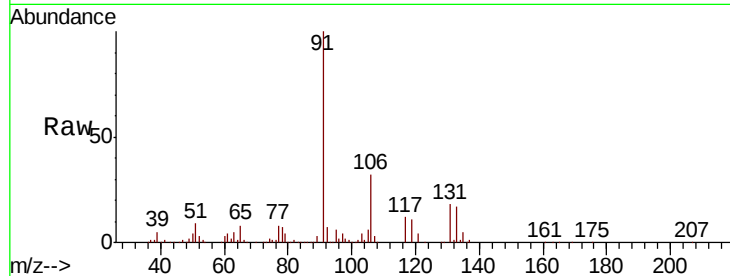
#67
Ethyl Benzene
Concen: 20.679 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion: 91 Resp: 328123
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6

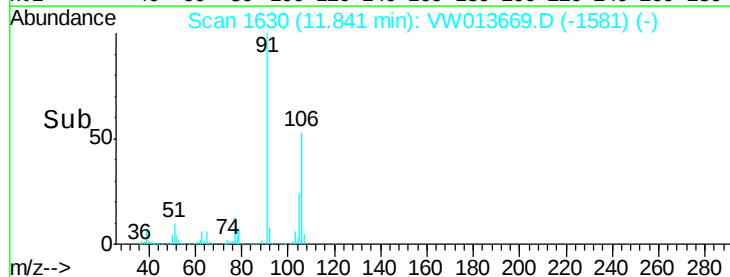
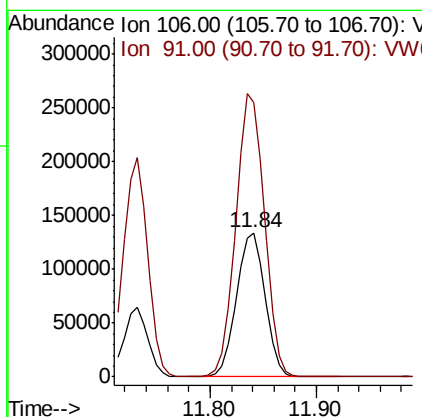
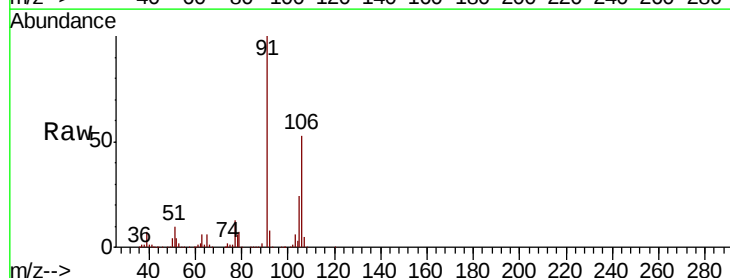
Manual Integrations
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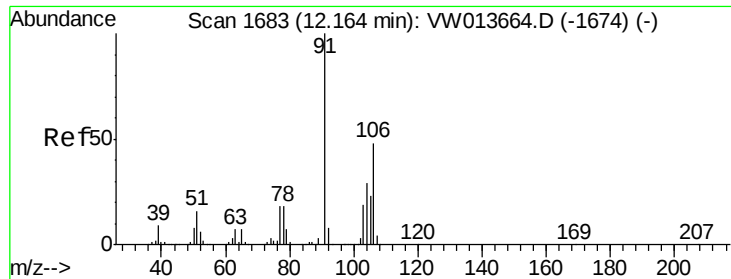
MMDadoda
10/24/2019 1:27:08 PM



#68
m/p-Xylenes
Concen: 41.216 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion: 106 Resp: 252670
Ion Ratio Lower Upper
106 100
91 196.8 159.2 238.8





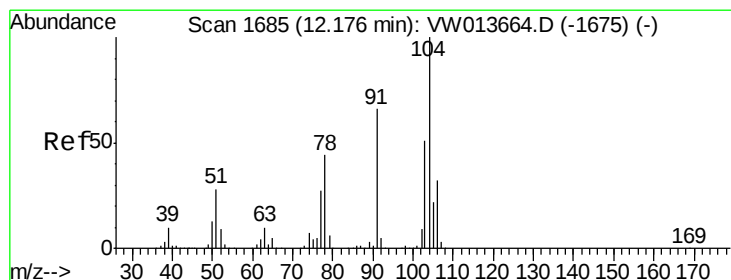
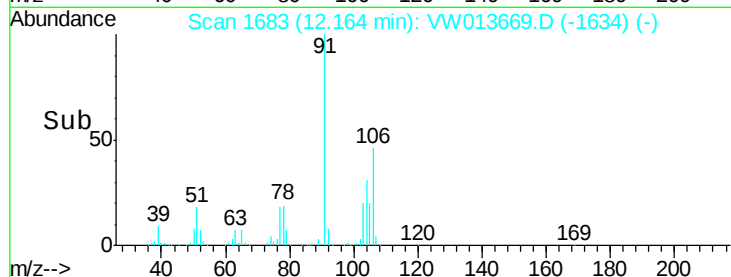
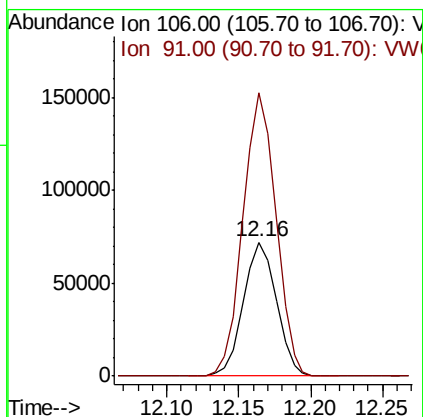
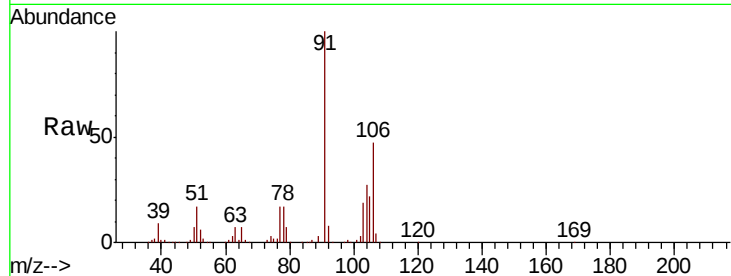
#69
o-Xylene
Concen: 20.286 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		114310		
91	212.4	104.9	314.7		

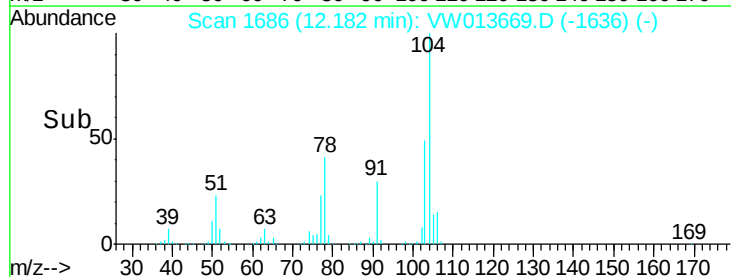
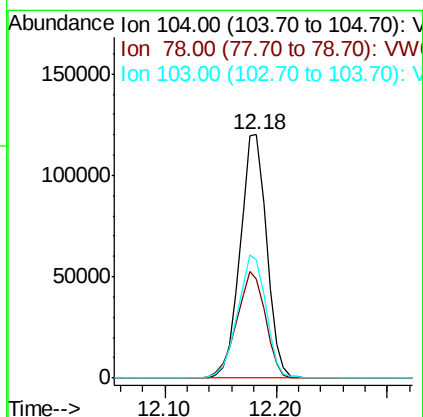
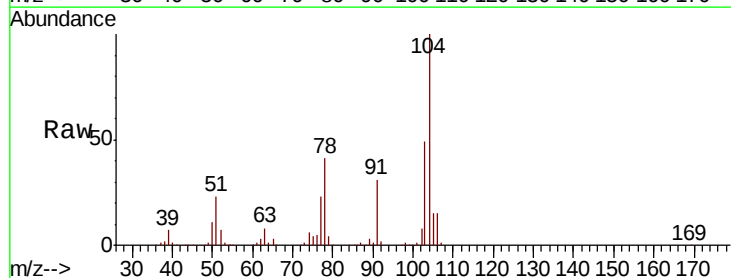
Manual Integrations
APPROVED

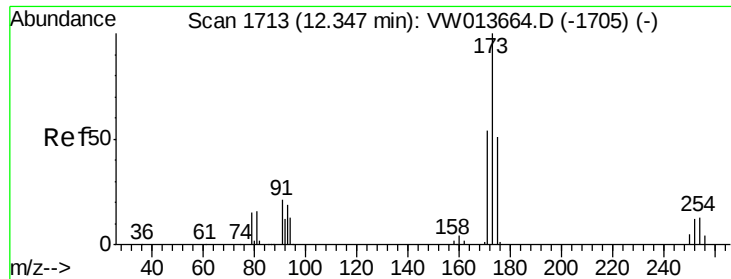
MMDadoda
10/24/2019 1:27:08 PM



#70
Styrene
Concen: 20.428 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		197767		
78	47.2	37.1	55.7		
103	54.0	43.6	65.4		





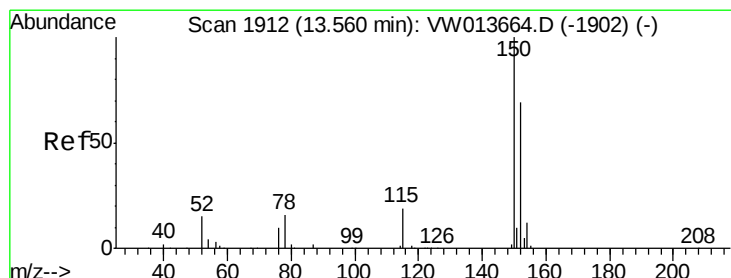
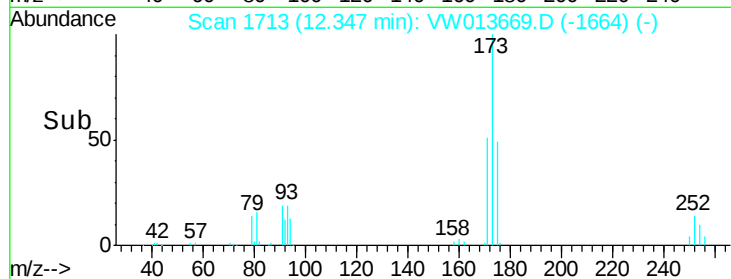
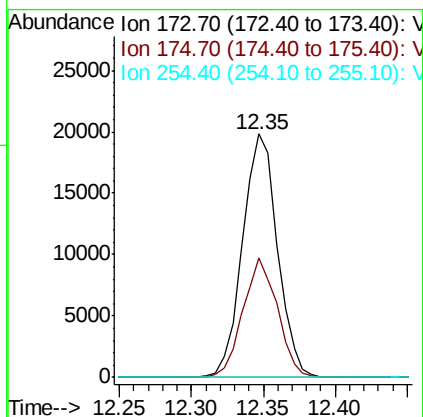
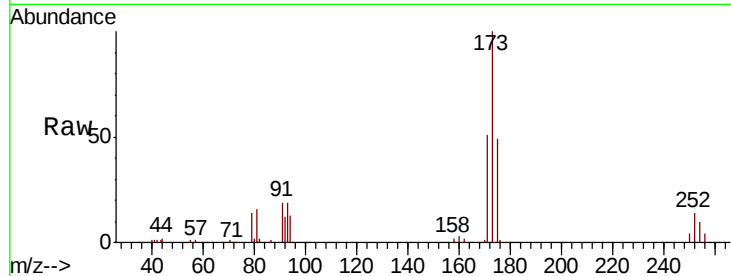
#71
Bromoform
Concen: 20.646 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	25.2	75.6
254	0.0	0.1	0.1#

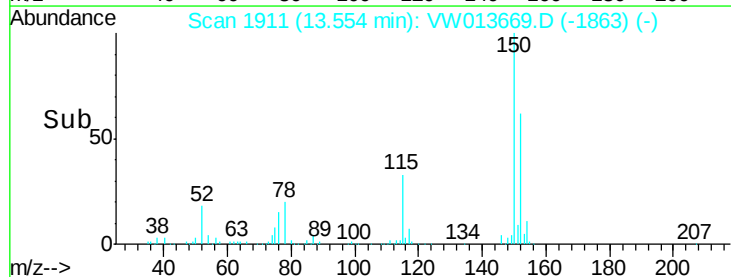
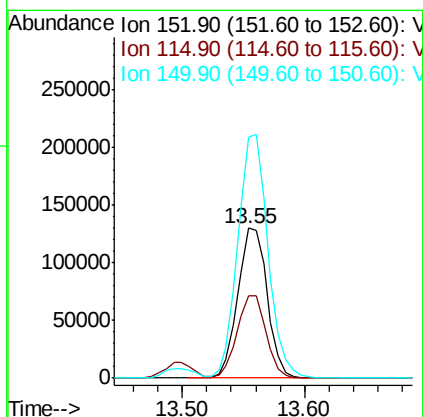
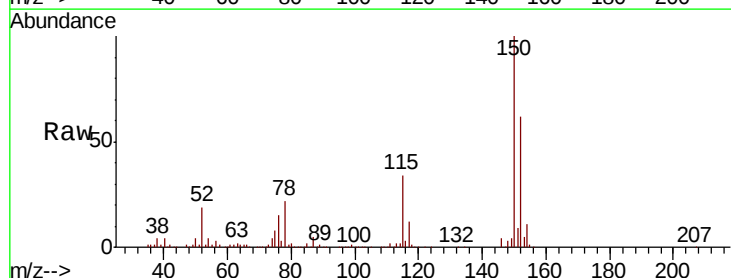
Manual Integrations
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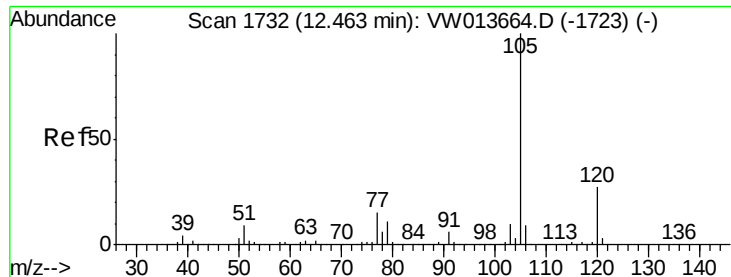
MMDadoda
10/24/2019 1:27:08 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.4	82.2
150	166.7	0.0	345.4





#73

Isopropylbenzene

Concen: 20.858 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion:105 Resp: 323307

Ion Ratio Lower Upper

105 100

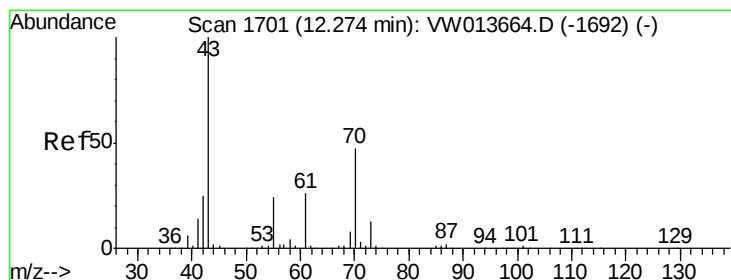
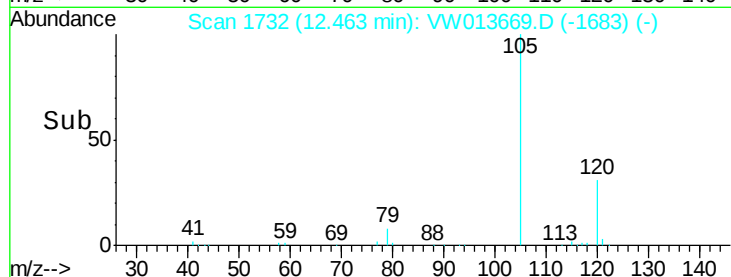
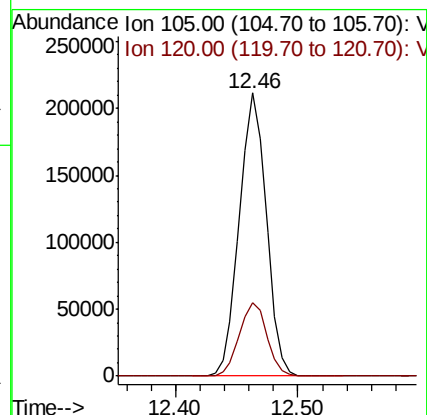
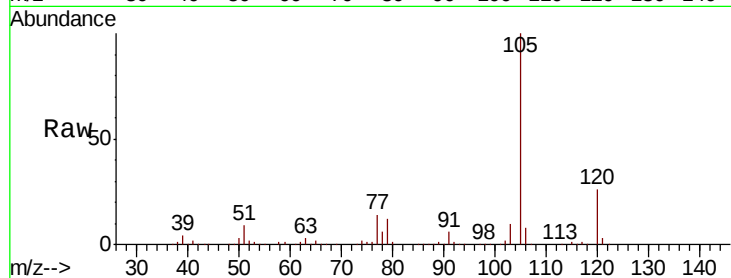
120 26.5 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.383 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Tgt Ion: 43 Resp: 64114

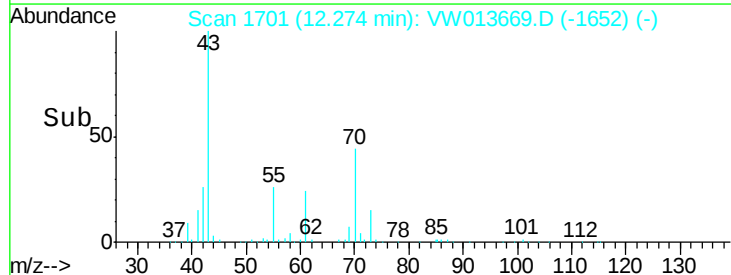
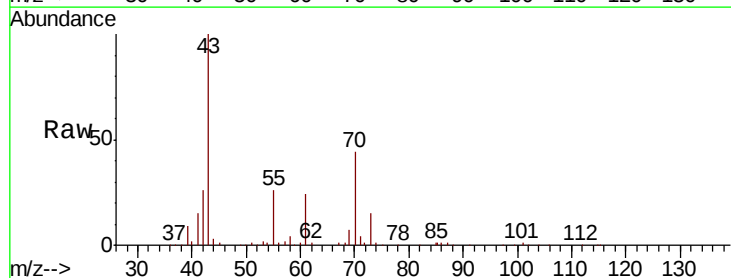
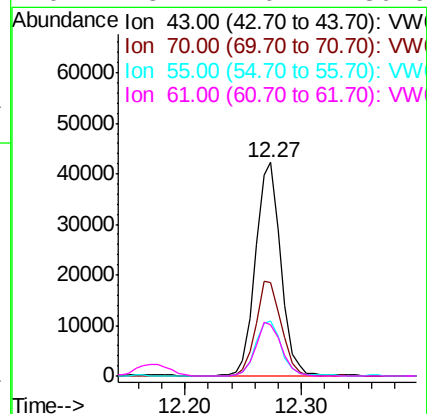
Ion Ratio Lower Upper

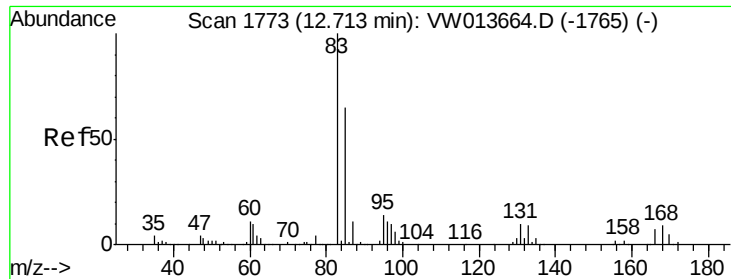
43 100

70 44.6 36.6 55.0

55 26.3 20.3 30.5

61 25.4 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.995 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

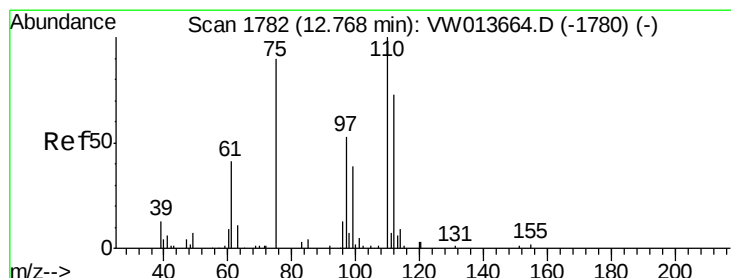
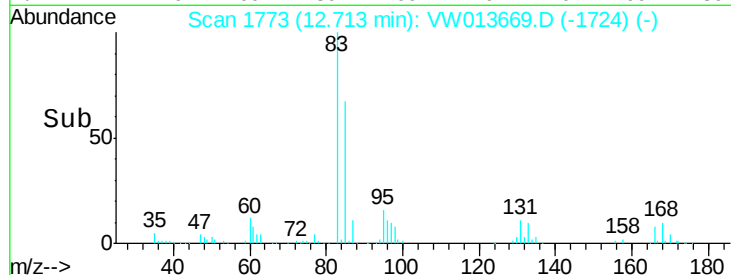
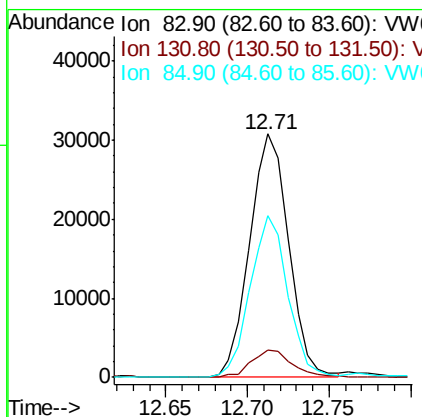
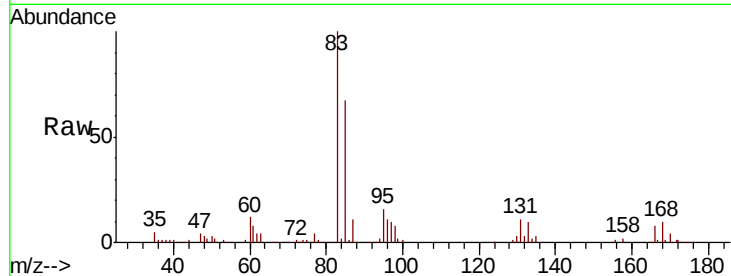
ClientSampleId :

VW1023SBS01

Tot Ion:	83	Resp:	51354
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.7	17.1
85	63.7	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.567 ug/l m

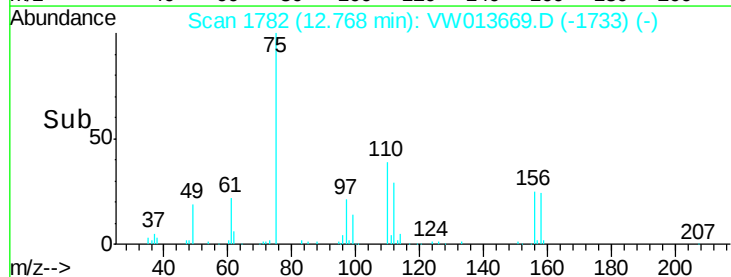
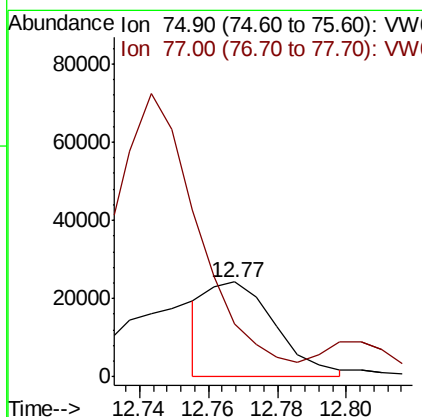
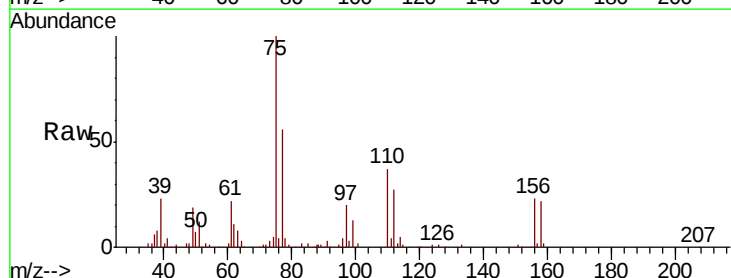
RT: 12.77 min Scan# 1782

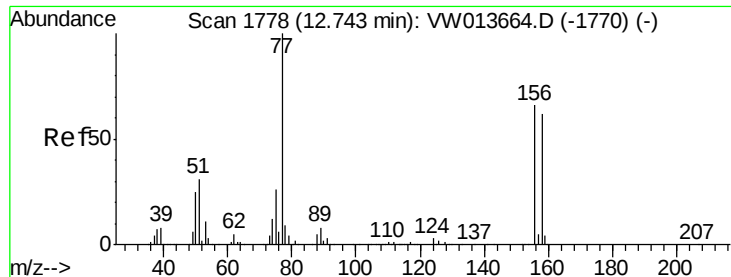
Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Tgt Ion:	75	Resp:	33429
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.896 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion:156 Resp: 77372

Ion Ratio Lower Upper

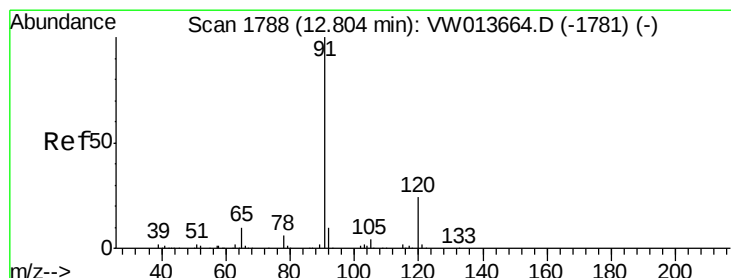
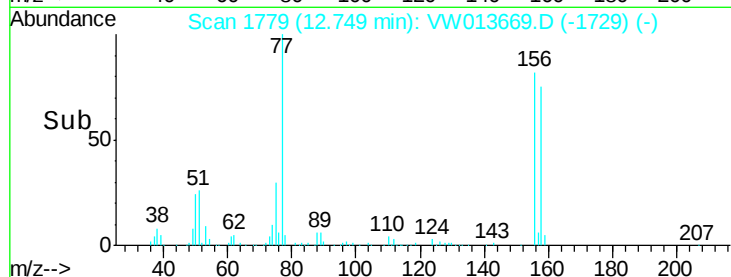
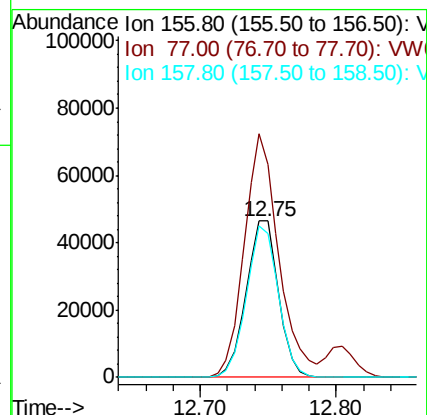
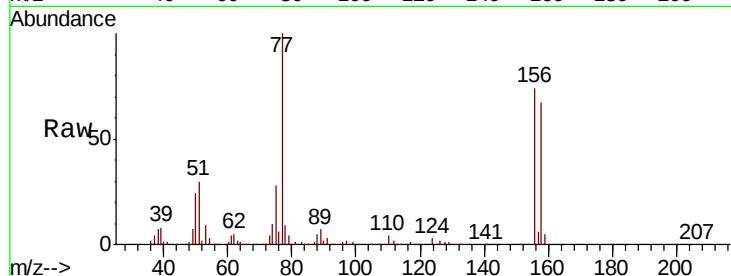
156 100

77 165.1 82.9 248.7

158 95.4 48.4 145.2

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#78

n-propylbenzene

Concen: 21.150 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013669.D

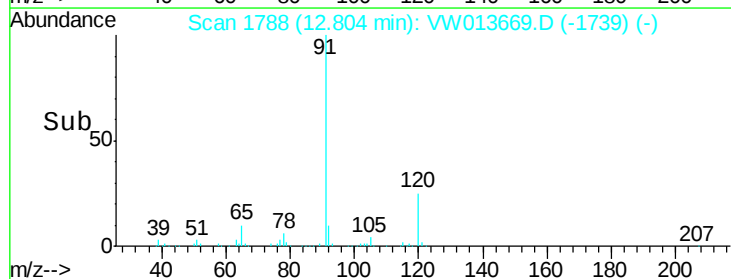
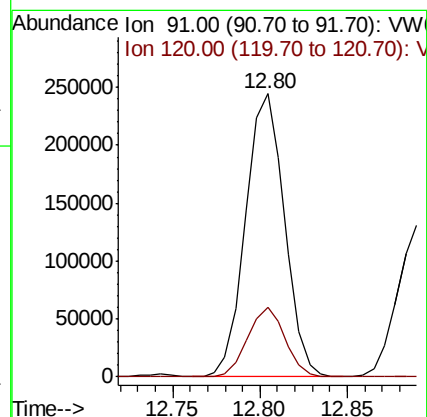
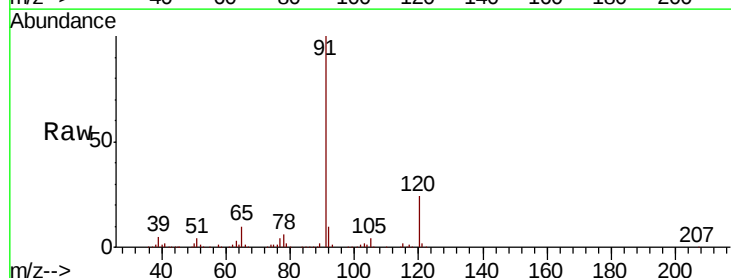
Acq: 23 Oct 2019 16:13

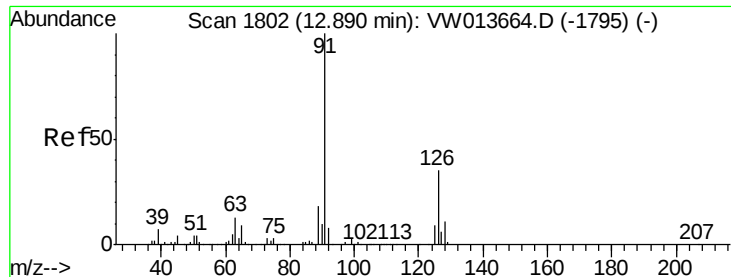
Tgt Ion: 91 Resp: 379440

Ion Ratio Lower Upper

91 100

120 23.8 12.0 36.0





#79

2-Chlorotoluene

Concen: 20.719 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion: 91 Resp: 208886

Ion Ratio Lower Upper

91 100

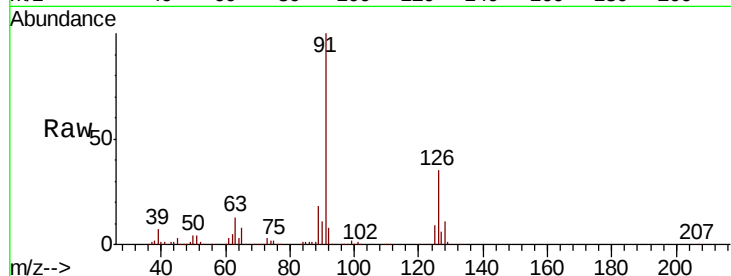
126 35.4 17.4 52.2

Manual Integrations

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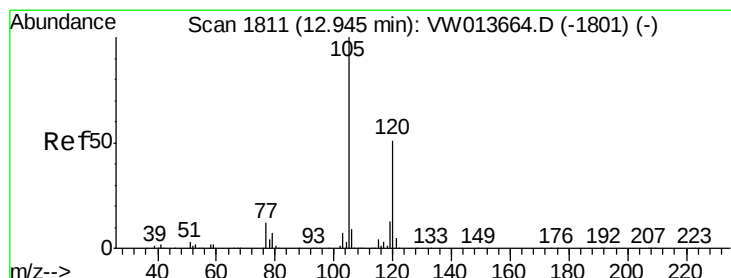
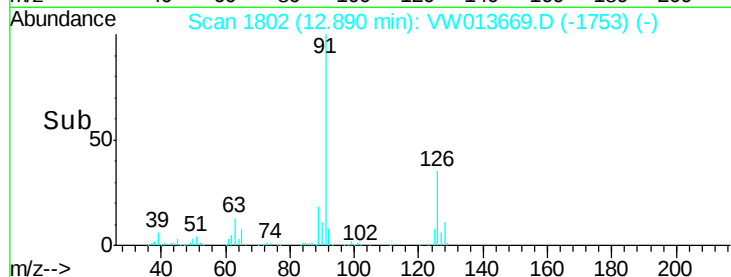
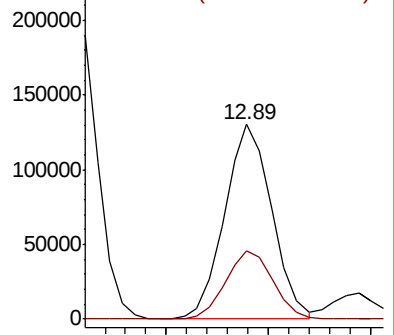
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.025 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013669.D

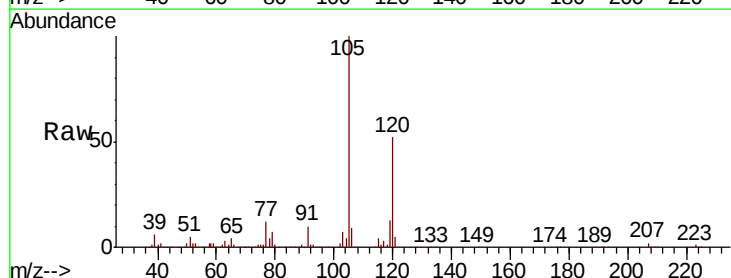
Acq: 23 Oct 2019 16:13

Tgt Ion: 105 Resp: 275112

Ion Ratio Lower Upper

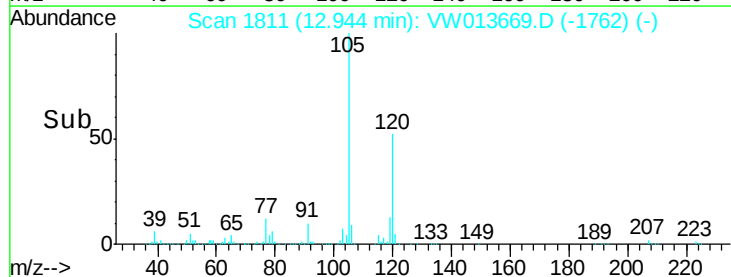
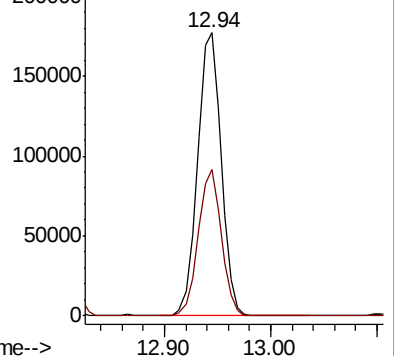
105 100

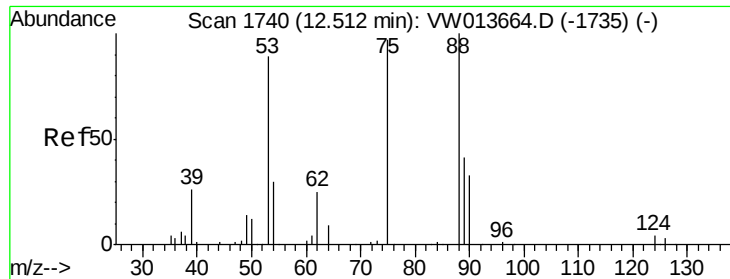
120 50.7 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





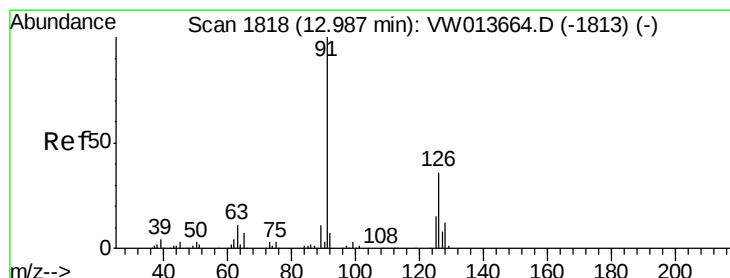
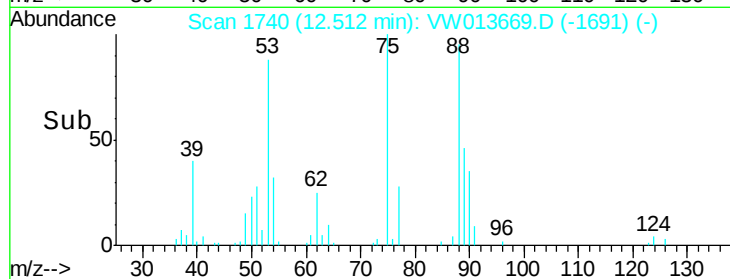
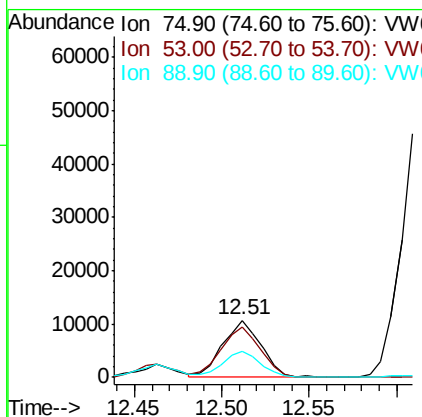
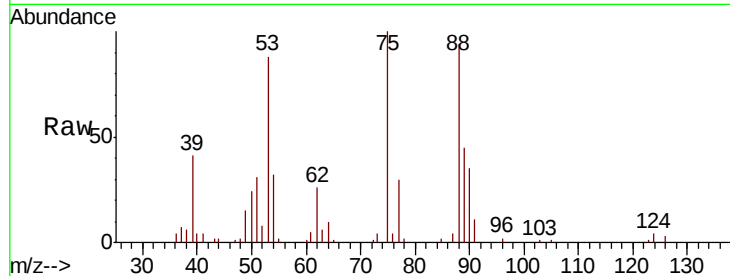
#81
trans-1,4-Dichloro-2-butene
Concen: 20.044 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.3	71.7	107.5
89	43.8	35.8	53.8

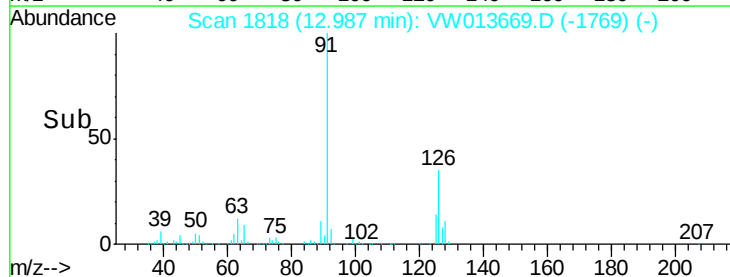
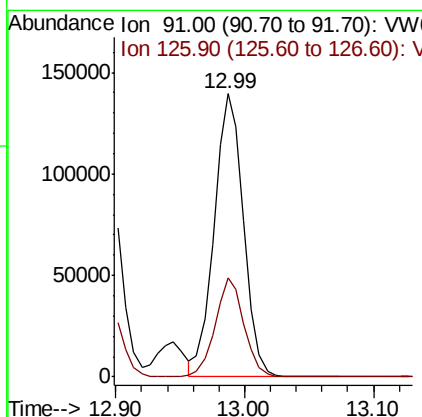
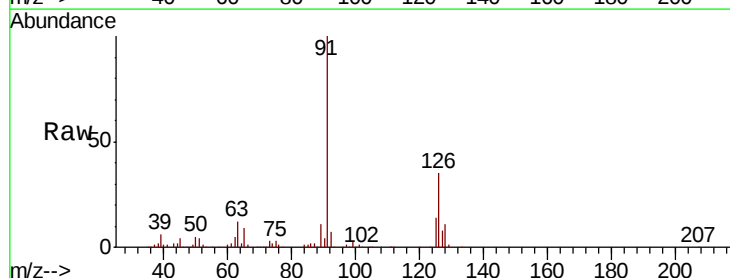
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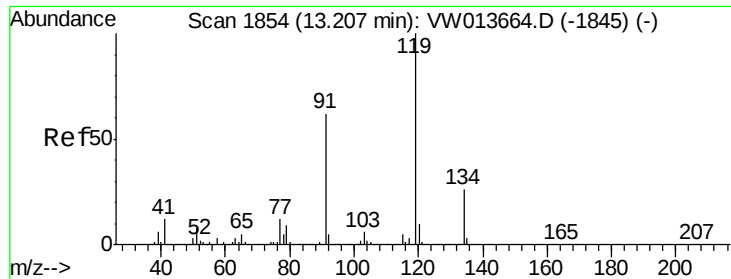
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#82
4-Chlorotoluene
Concen: 20.964 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.2	51.5





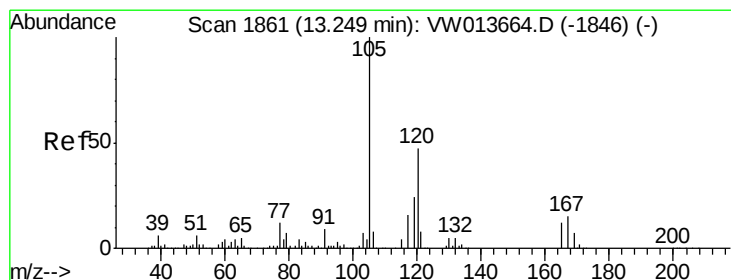
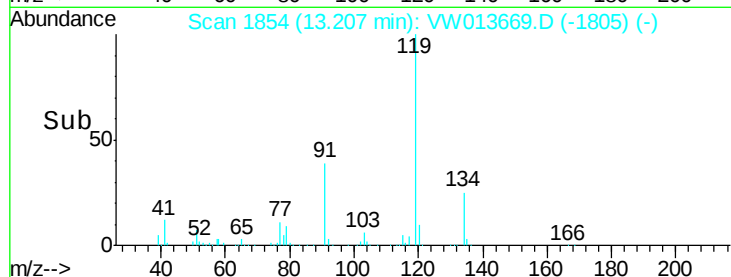
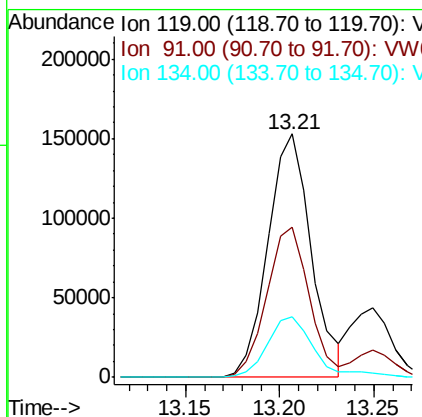
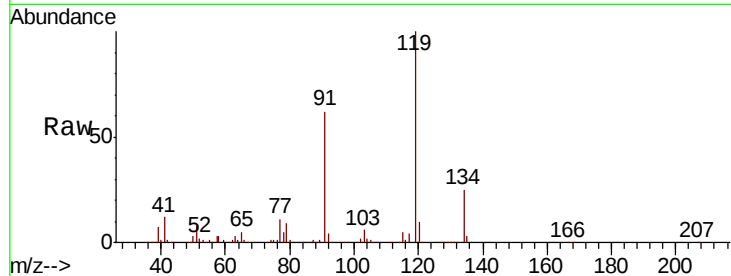
#83
tert-Butylbenzene
Concen: 20.962 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	30.4	91.3
134	27.2	13.6	40.8

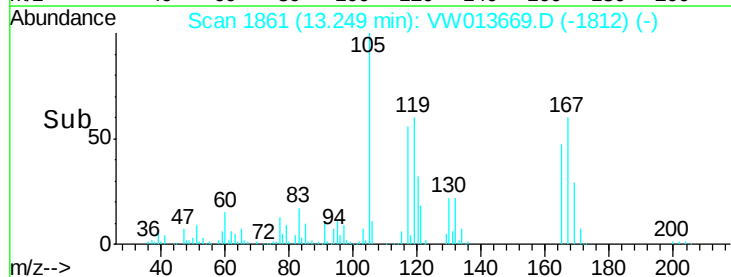
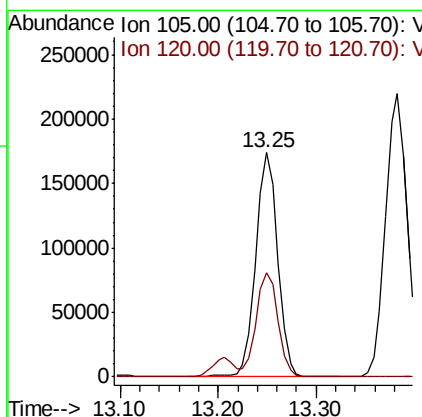
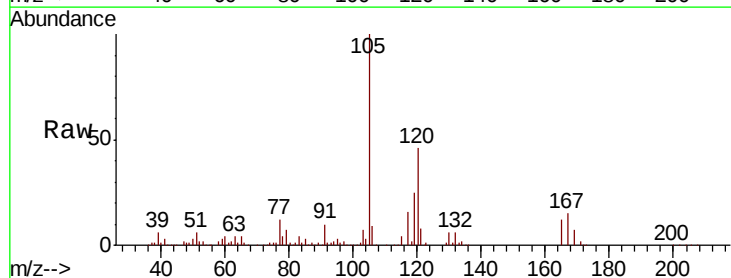
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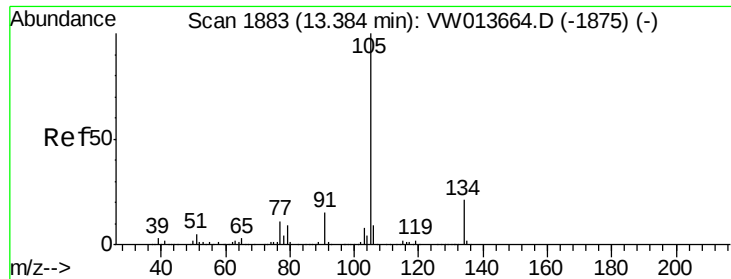
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#84
1,2,4-Trimethylbenzene
Concen: 20.915 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.5	70.5





#85

sec-Butylbenzene

Concen: 21.175 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

Instrument :

MSVOA_W

ClientSampleId :

VW1023SBS01

Tot Ion:105 Resp: 336315

Ion Ratio Lower Upper

105 100

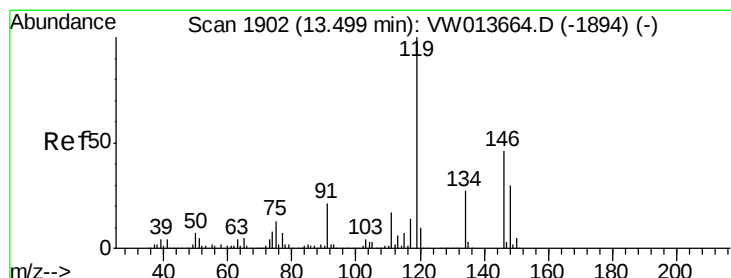
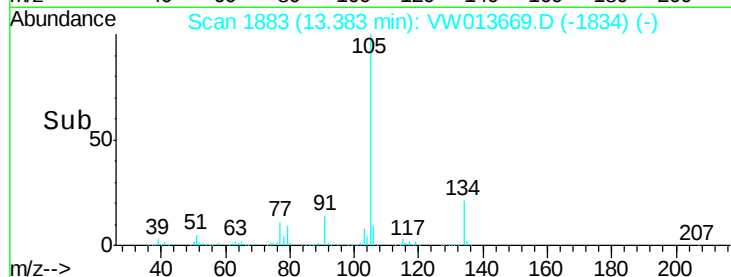
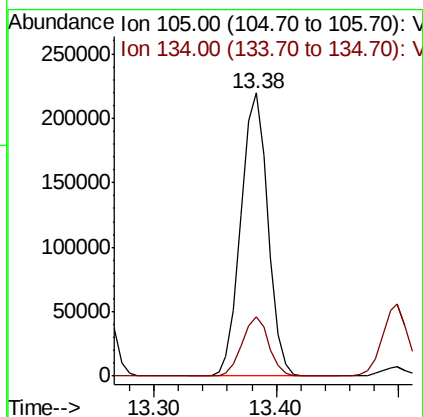
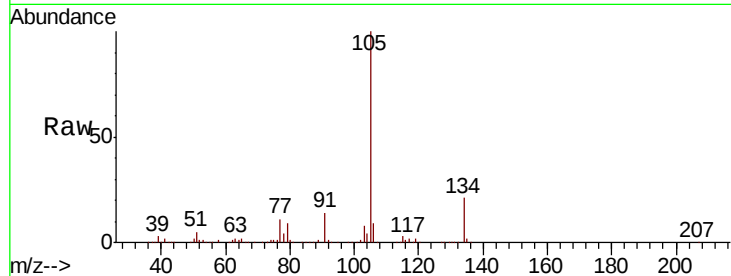
134 20.6 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.155 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013669.D

Acq: 23 Oct 2019 16:13

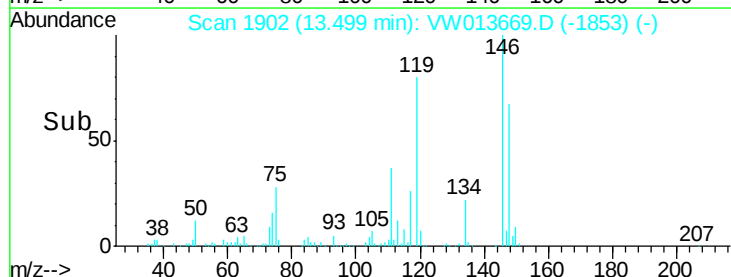
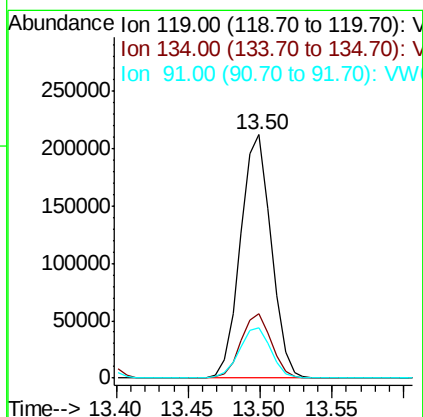
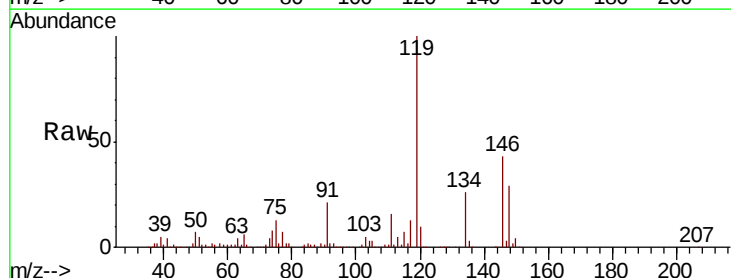
Tgt Ion:119 Resp: 312977

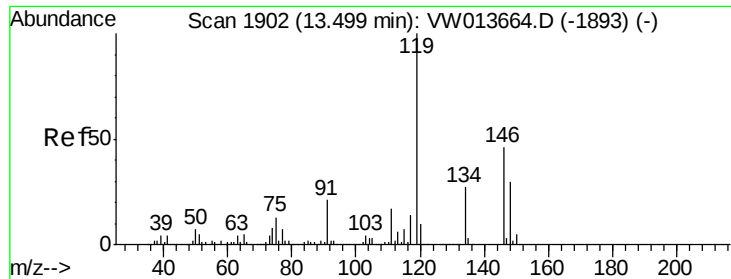
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

91 21.1 10.8 32.3





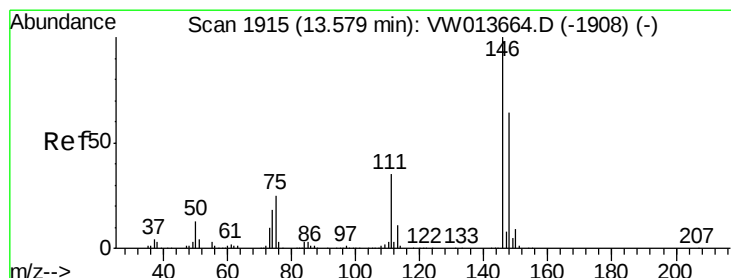
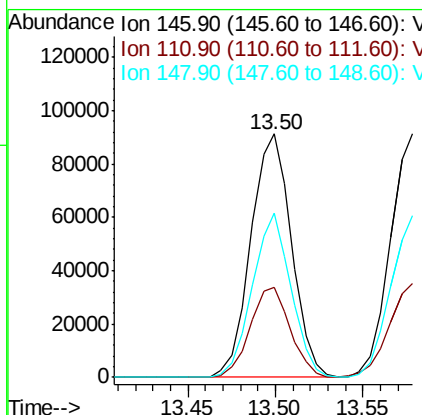
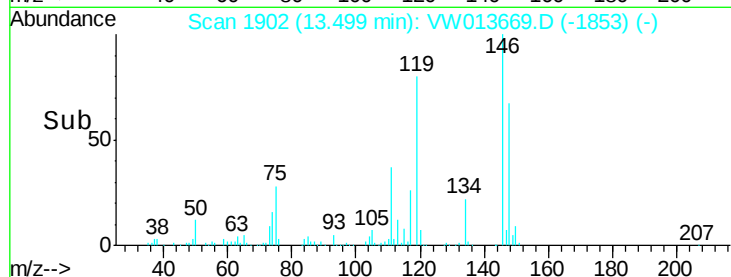
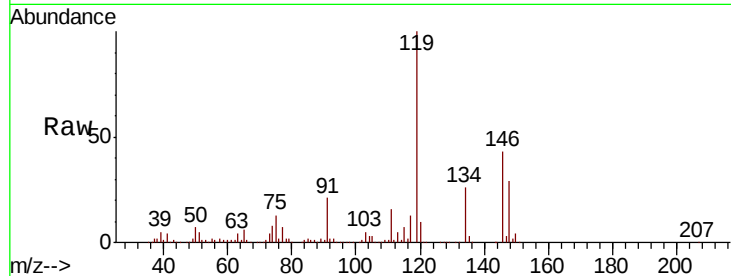
#87
 1,3-Dichlorobenzene
 Concen: 20.614 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	56.0
148	64.2	31.7	95.1

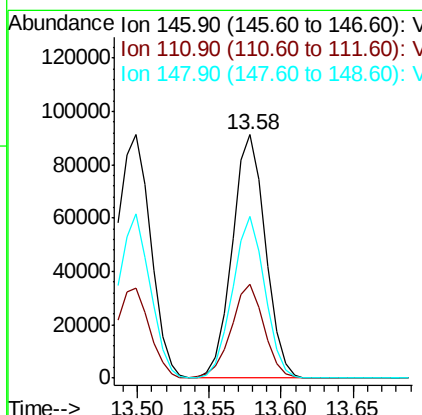
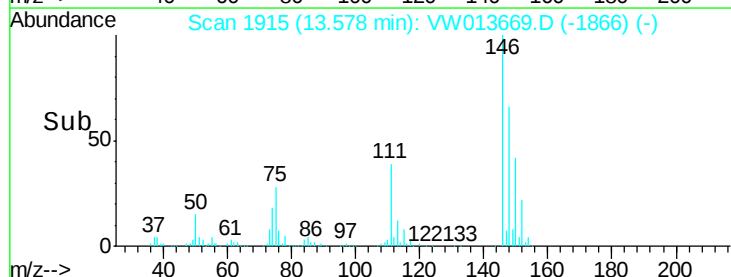
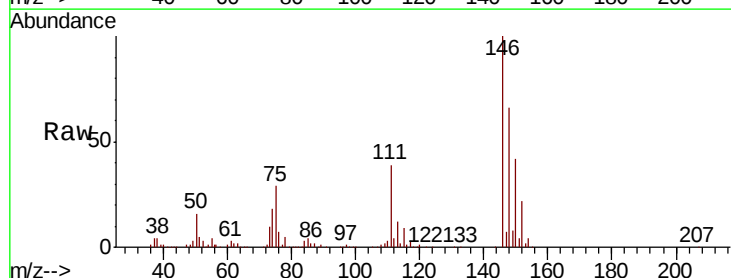
Manual Integrations
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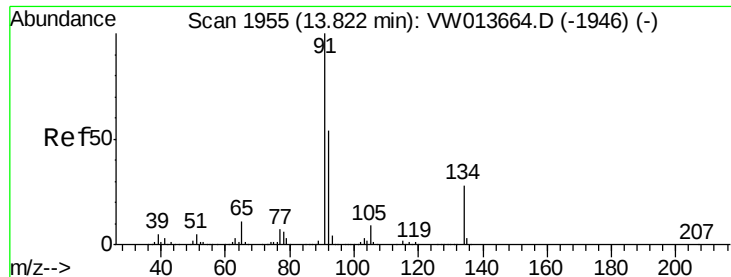
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#88
 1,4-Dichlorobenzene
 Concen: 20.572 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.3
148	64.9	32.0	96.2





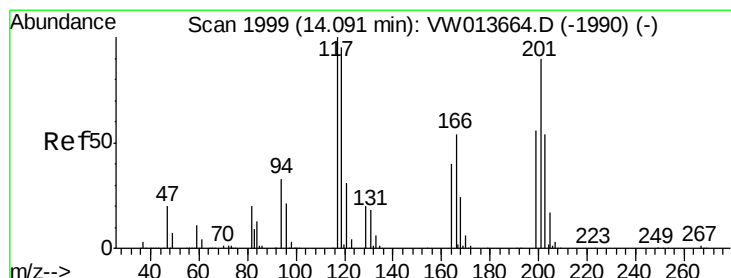
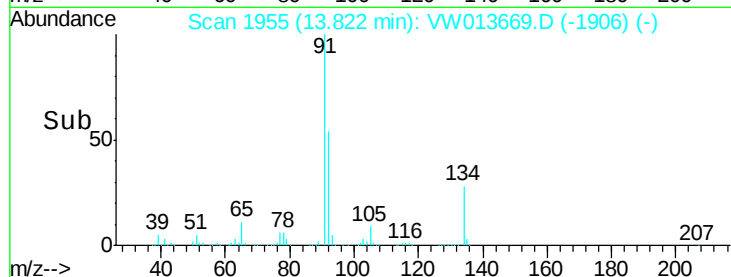
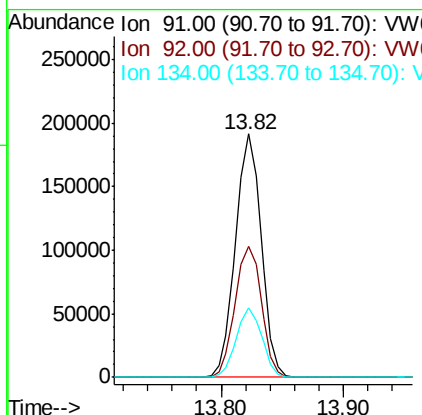
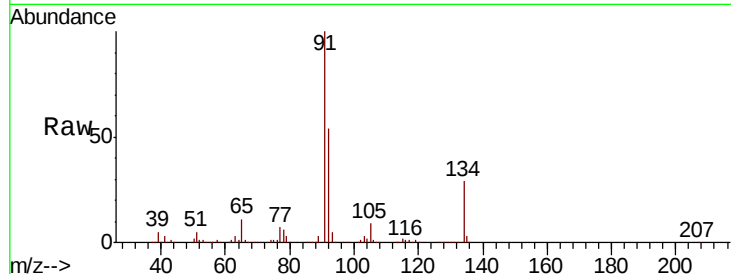
#89
n-Butylbenzene
Concen: 20.941 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.5	82.4
134	28.4	14.0	41.9

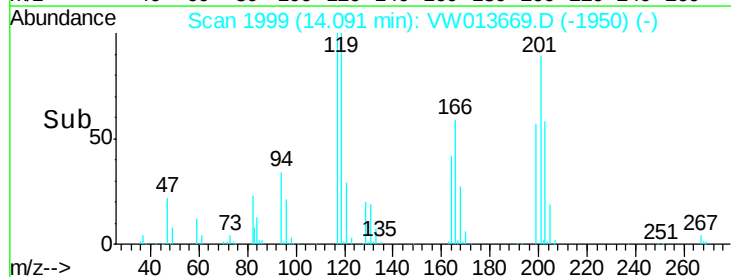
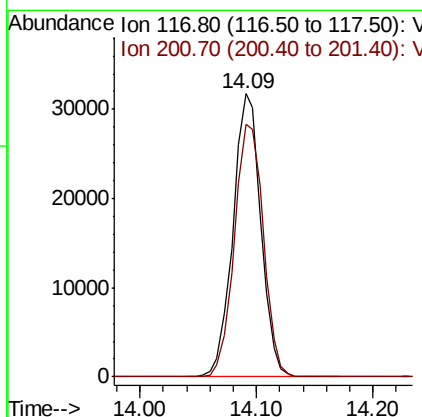
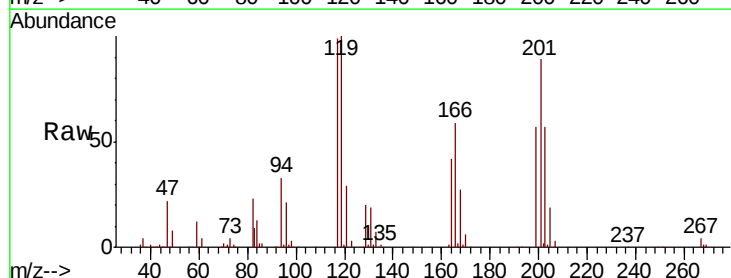
Manual Integrations
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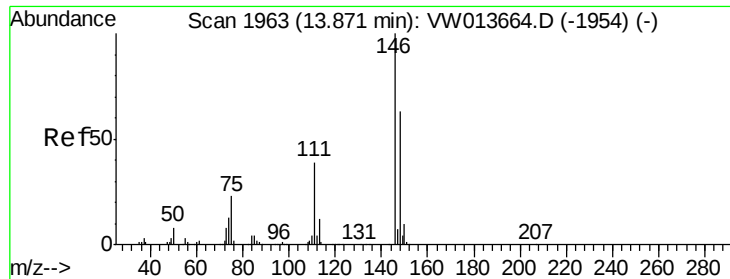
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#90
Hexachloroethane
Concen: 20.574 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.9	46.1	138.2





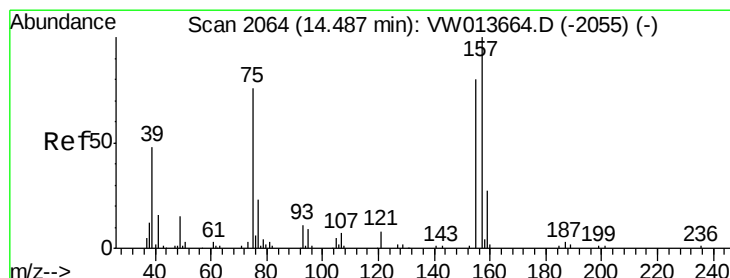
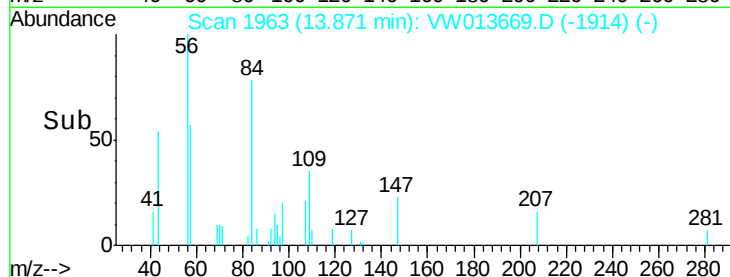
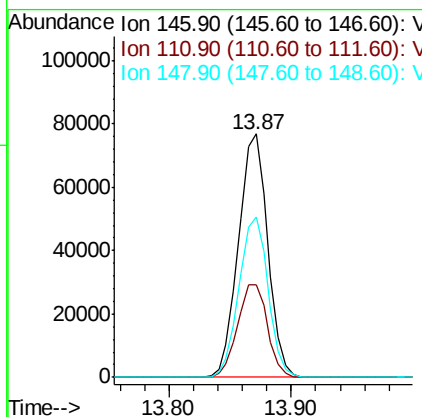
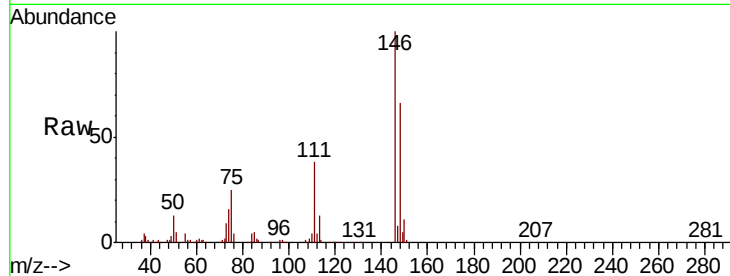
#91
 1,2-Dichlorobenzene
 Concen: 20.478 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1023SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.6
148	65.5	31.9	95.9

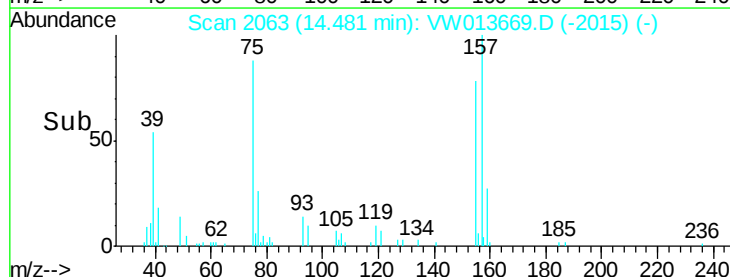
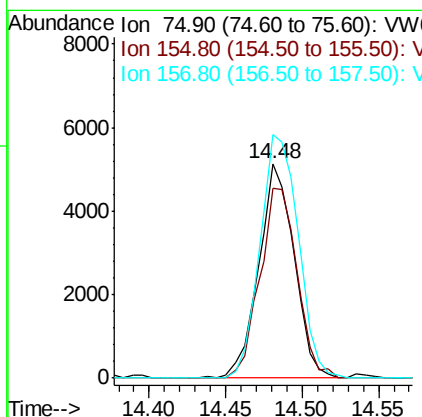
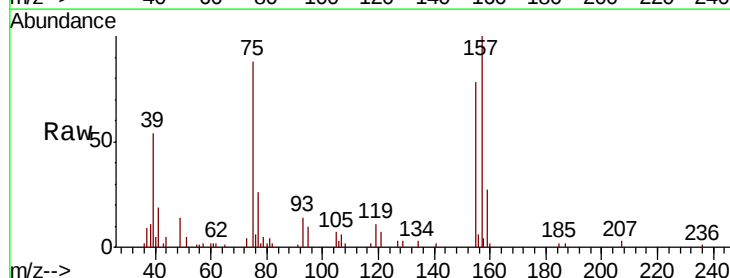
Manual Integrations
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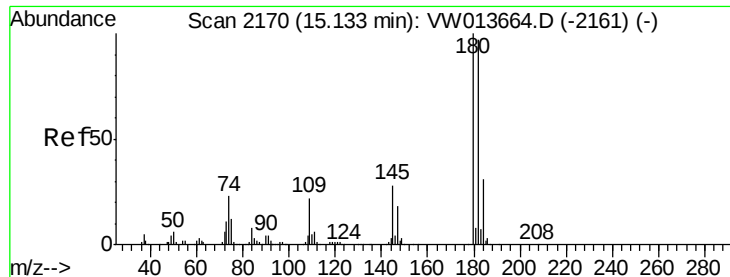
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.397 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013669.D
 Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	51.9	155.7
157	122.8	64.8	194.3





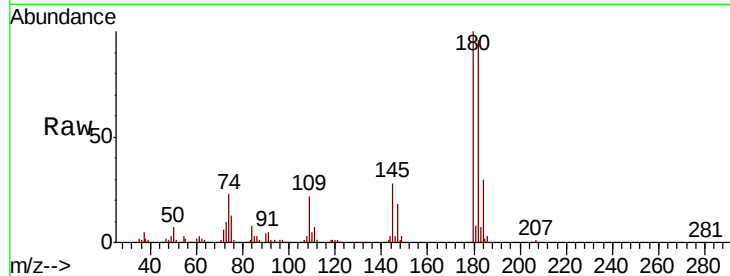
#93
1,2,4-Trichlorobenzene
Concen: 20.724 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

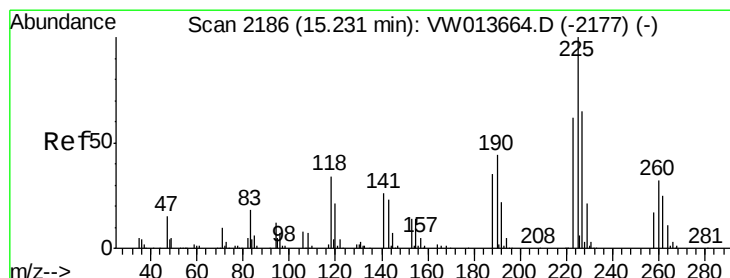
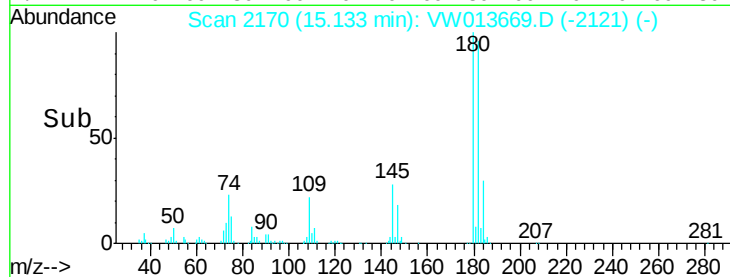
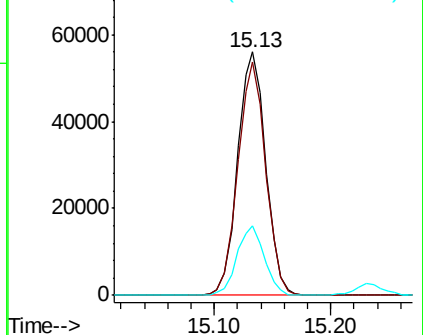
Tot Ion	Ratio	Resp	Lower	Upper
180	100	93819		
182	95.1	47.4	142.2	
145	28.0	14.1	42.3	

Manual Integrations
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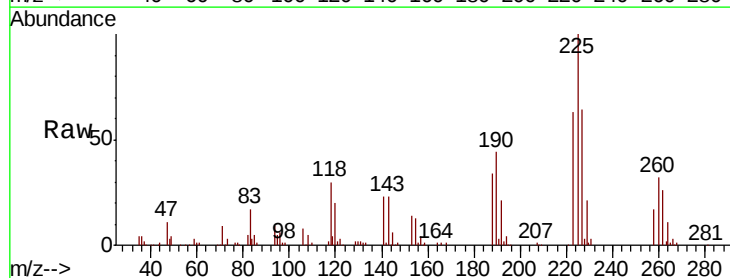


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

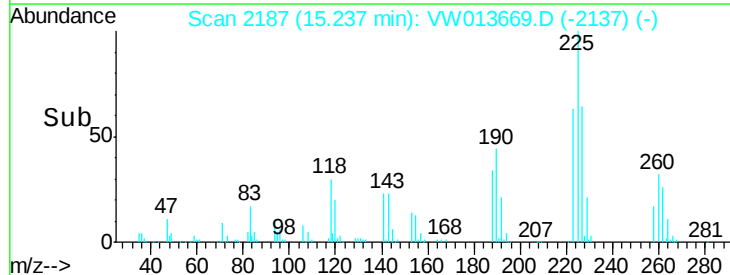
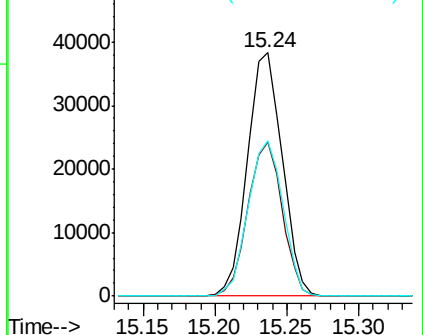


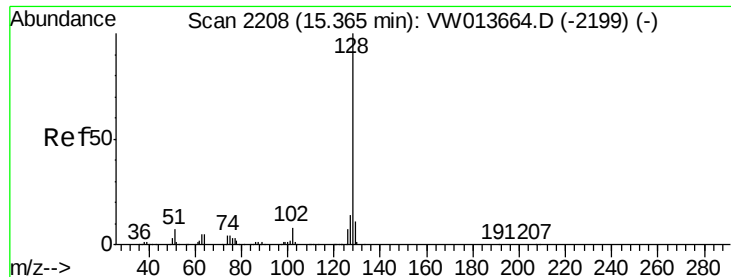
#94
Hexachlorobutadiene
Concen: 20.988 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64144		
223	62.2	31.9	95.9	
227	64.1	32.5	97.4	



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





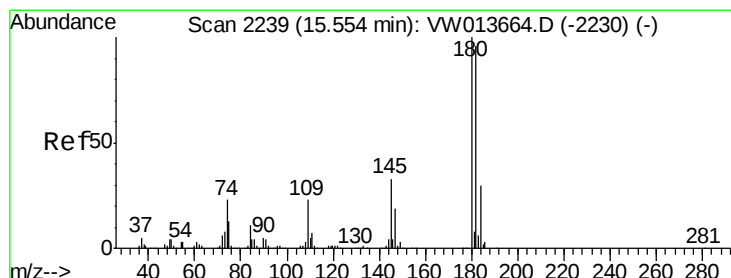
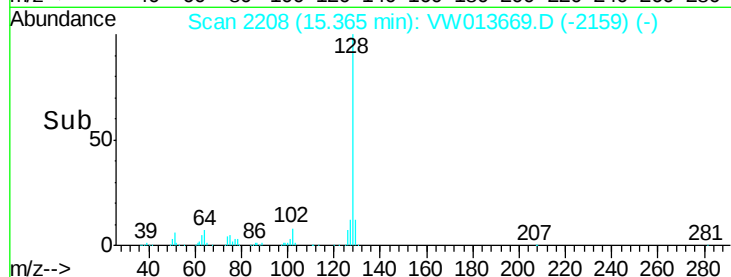
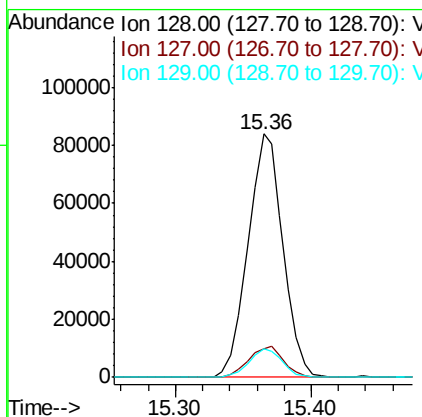
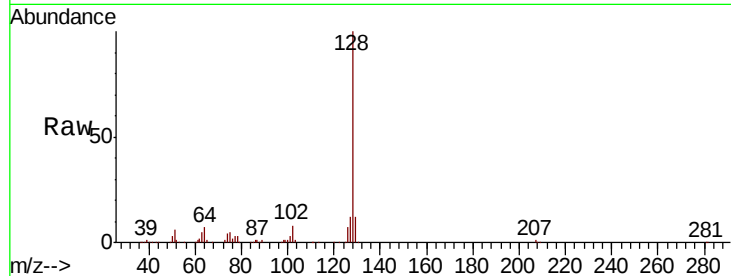
#95
Naphthalene
Concen: 21.199 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Instrument :
MSVOA_W
ClientSampleId :
VW1023SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.4	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.898 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW013669.D
Acq: 23 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.3
145	29.3	14.9	44.9

