

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100119\
 Data File : VW013370.D
 Acq On : 01 Oct 2019 14:20
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 8:22:43 AM

Quant Time: Oct 01 15:14:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 15:01:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	382002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	538974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	467437	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	236212	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	132000	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	
35) Dibromofluoromethane	7.88	113	135919	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
50) Toluene-d8	10.32	98	562309	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
62) 4-Bromofluorobenzene	12.62	95	185065	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	66774	46.546	ug/l	100
3) Chloromethane	2.21	50	107998	39.826	ug/l	100
4) Vinyl Chloride	2.35	62	156563	43.434	ug/l	100
5) Bromomethane	2.77	94	100762	45.468	ug/l	100
6) Chloroethane	2.92	64	89140	43.805	ug/l	100
7) Trichlorofluoromethane	3.25	101	67073	42.656	ug/l	100
8) Diethyl Ether	3.68	74	78486	44.569	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	152361	43.943	ug/l	100
10) Methyl Iodide	4.27	142	252133	45.751	ug/l	100
11) Tert butyl alcohol	5.15	59	67436	110.864	ug/l	100
12) 1,1-Dichloroethene	4.04	96	160270	44.105	ug/l	100
13) Acrolein	3.89	56	69501	278.382	ug/l	100
14) Allyl chloride	4.66	41	240525	45.271	ug/l	100
15) Acrylonitrile	5.36	53	172377	213.151	ug/l	100
16) Acetone	4.12	43	194273	206.494	ug/l	100
17) Carbon Disulfide	4.38	76	464582	46.524	ug/l	100
18) Methyl Acetate	4.66	43	83372	39.034	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	237832	44.579	ug/l	100
20) Methylene Chloride	4.92	84	170155	36.014	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	171338	44.621	ug/l	100
22) Diisopropyl ether	6.31	45	475015	46.318	ug/l	100
23) Vinyl Acetate	6.25	43	1404849	228.987	ug/l	100
24) 1,1-Dichloroethane	6.21	63	285472	45.049	ug/l	100
25) 2-Butanone	7.16	43	251426	212.443	ug/l	100
26) 2,2-Dichloropropane	7.16	77	165344	37.996	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	183377	45.389	ug/l	100
28) Bromochloromethane	7.51	49	122655	56.293	ug/l	100
29) Tetrahydrofuran	7.52	42	144128	210.318	ug/l	100
30) Chloroform	7.67	83	272797	43.975	ug/l	100
31) Cyclohexane	7.95	56	282680	40.691	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	218109	44.938	ug/l	100
36) 1,1-Dichloropropene	8.08	75	233652	44.783	ug/l	100
37) Ethyl Acetate	7.25	43	100480	38.179	ug/l	100
38) Carbon Tetrachloride	8.07	117	205152	45.945	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	300685	43.927	ug/l	100
40) Benzene	8.32	78	662377	44.910	ug/l	100
41) Methacrylonitrile	7.48	41	61754	21.798	ug/l	100
42) 1,2-Dichloroethane	8.40	62	169406	45.327	ug/l	100
43) Isopropyl Acetate	8.42	43	190379	44.078	ug/l	100
44) Trichloroethene	9.09	130	188963	45.417	ug/l	100
45) 1,2-Dichloropropane	9.37	63	158574	45.460	ug/l	100
46) Dibromomethane	9.46	93	79385	45.315	ug/l	100
47) Bromodichloromethane	9.65	83	197497	46.573	ug/l	100
48) Methyl methacrylate	9.43	41	90688	44.949	ug/l	100
49) 1,4-Dioxane	9.45	88	24706	789.949	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	479723	206.094	ug/l	100
52) Toluene	10.38	92	429915	45.673	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	206806	48.220	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	250387	47.544	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	115796	44.457	ug/l	100
56) Ethyl methacrylate	10.65	69	160718	46.887	ug/l	100
57) 1,3-Dichloropropane	10.93	76	202082	44.101	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	337767	238.853	ug/l	100
59) 2-Hexanone	10.97	43	357548	230.196	ug/l	100
60) Dibromochloromethane	11.13	129	139079	48.215	ug/l	100
61) 1,2-Dibromoethane	11.24	107	114267	44.990	ug/l	100
64) Tetrachloroethene	10.86	164	163832	43.862	ug/l	100
65) Chlorobenzene	11.66	112	447001	44.622	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	156114	47.046	ug/l	100
67) Ethyl Benzene	11.73	91	808682	45.170	ug/l	100
68) m/p-Xylenes	11.83	106	616348	88.916	ug/l	100
69) o-Xylene	12.16	106	285516	45.209	ug/l	100
70) Styrene	12.18	104	510417	47.063	ug/l	100
71) Bromoform	12.35	173	83225	46.093	ug/l #	100
73) Isopropylbenzene	12.46	105	798594	44.903	ug/l	100
74) N-amyl acetate	12.27	43	166706	43.455	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	126007	41.306	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	100544m	47.070	ug/l	
77) Bromobenzene	12.74	156	185914	43.918	ug/l	100
78) n-propylbenzene	12.80	91	901511	44.256	ug/l	100
79) 2-Chlorotoluene	12.89	91	512085	44.479	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	675308	45.109	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40673	44.416	ug/l	100
82) 4-Chlorotoluene	12.99	91	522807	44.082	ug/l	100
83) tert-Butylbenzene	13.21	119	584322	44.390	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	653105	43.996	ug/l	100
85) sec-Butylbenzene	13.38	105	794672	43.754	ug/l	100
86) p-Isopropyltoluene	13.50	119	737655	43.796	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	362415	44.224	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	358872	44.030	ug/l	100
89) n-Butylbenzene	13.82	91	682301	44.904	ug/l	100
90) Hexachloroethane	14.09	117	125179	45.452	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	321521	44.649	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19411	41.402	ug/l	100

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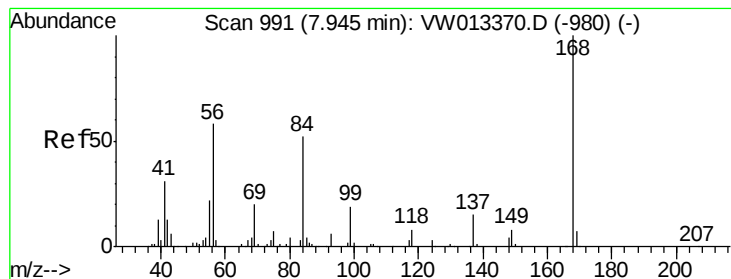
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	237491	47.235	ug/l	100
94) Hexachlorobutadiene	15.24	225	146353	43.203	ug/l	100
95) Naphthalene	15.37	128	393999	47.701	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	200388	45.569	ug/l	100

(#) = 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: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 382002

Ion Ratio Lower Upper

168 100

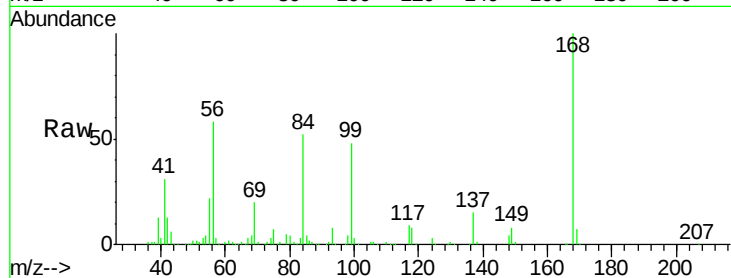
99 48.4 38.7 58.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

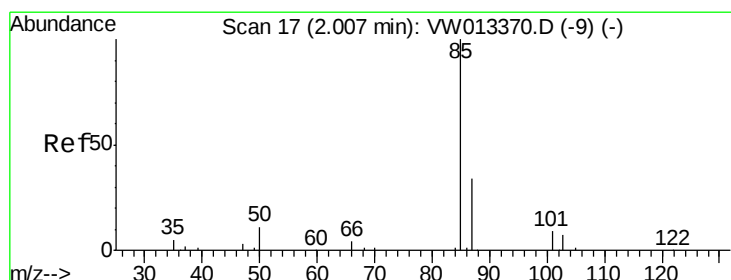
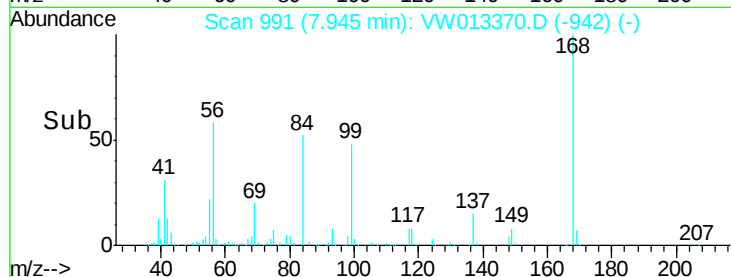
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 46.546 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013370.D

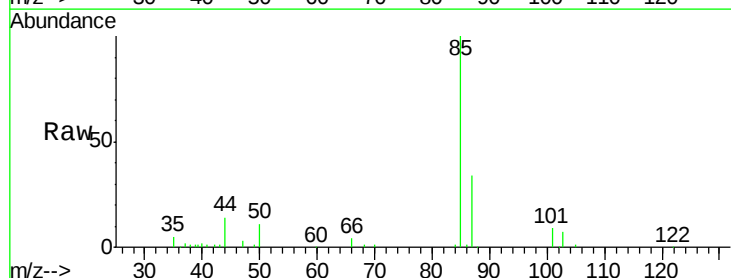
Acq: 01 Oct 2019 14:20

Tgt Ion: 85 Resp: 66774

Ion Ratio Lower Upper

85 100

87 34.5 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

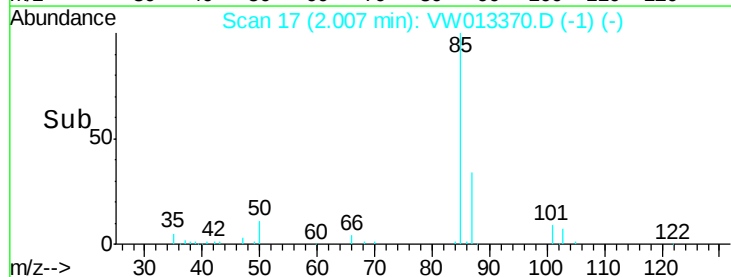
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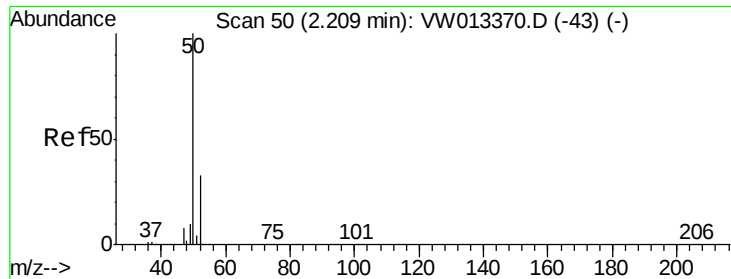
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 39.826 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 107998

Ion Ratio Lower Upper

50 100

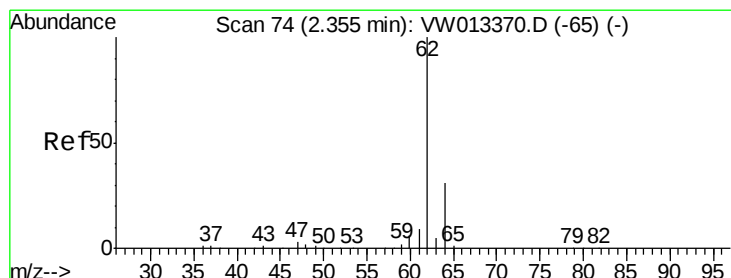
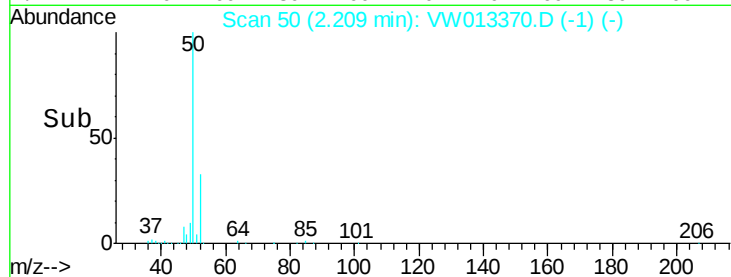
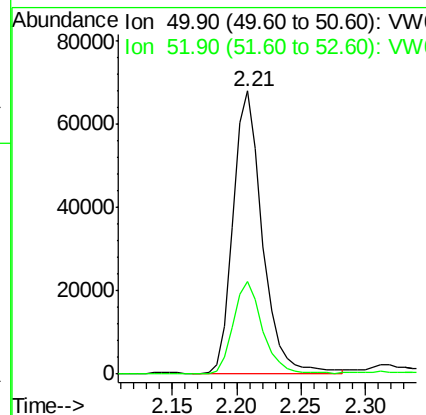
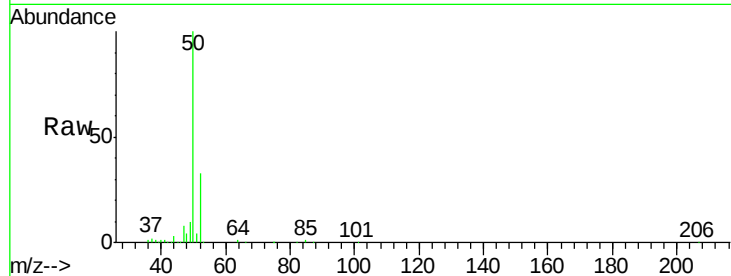
52 32.9 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.434 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013370.D

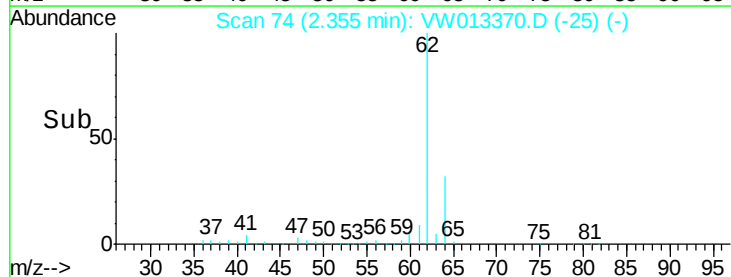
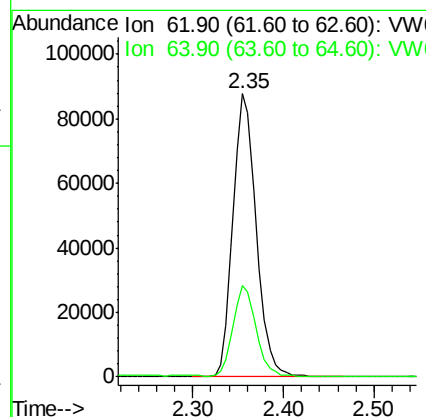
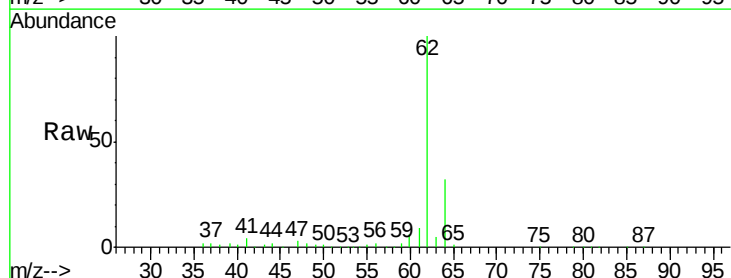
Acq: 01 Oct 2019 14:20

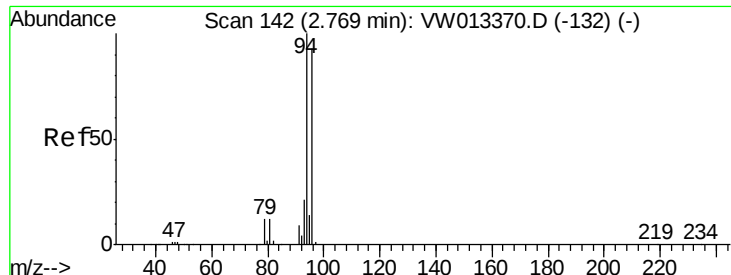
Tgt Ion: 62 Resp: 156563

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 45.468 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 100762

Ion Ratio Lower Upper

94 100

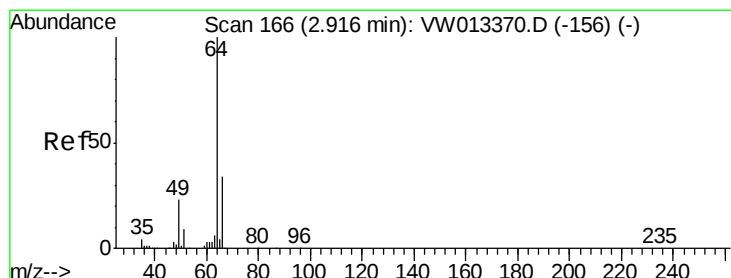
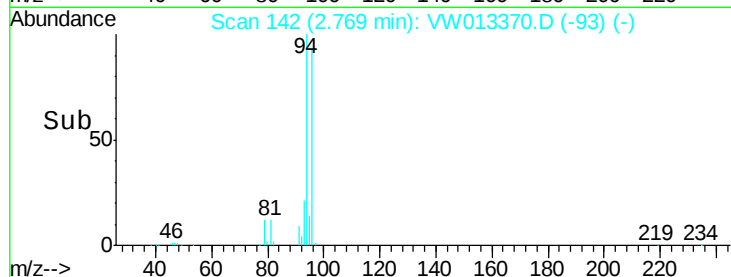
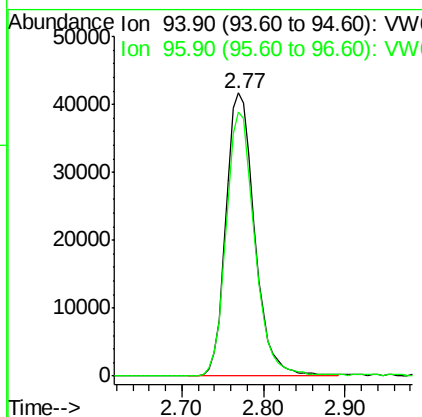
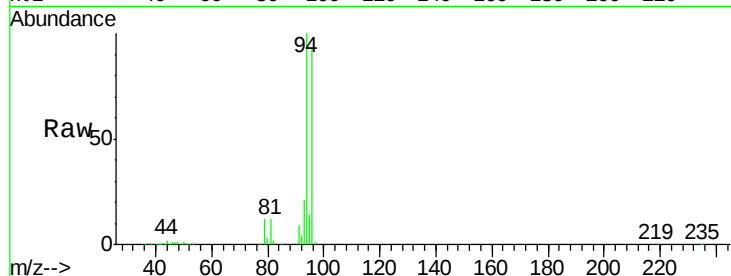
96 93.5 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 43.805 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW013370.D

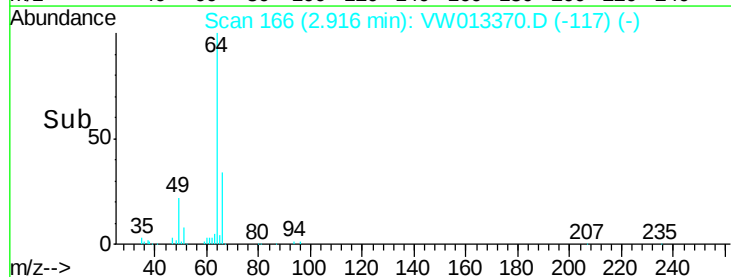
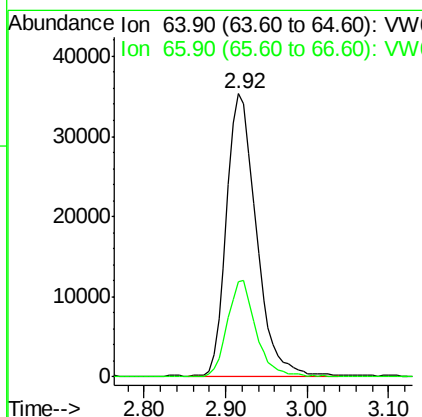
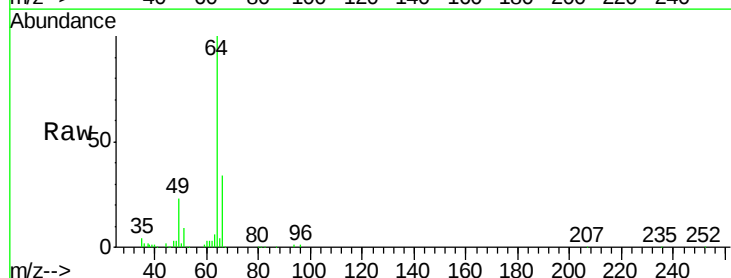
Acq: 01 Oct 2019 14:20

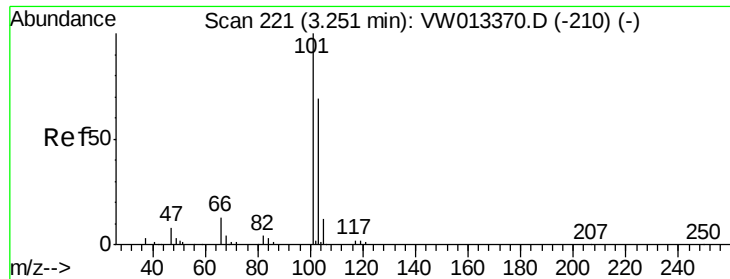
Tgt Ion: 64 Resp: 89140

Ion Ratio Lower Upper

64 100

66 33.6 26.9 40.3





#7

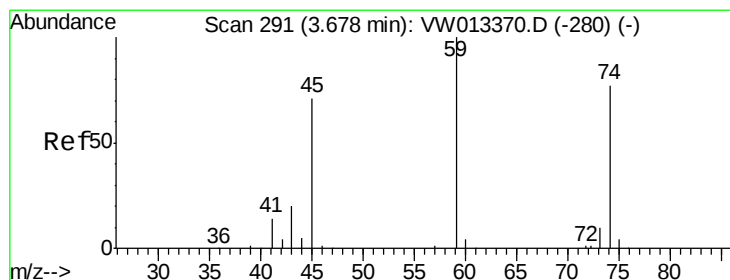
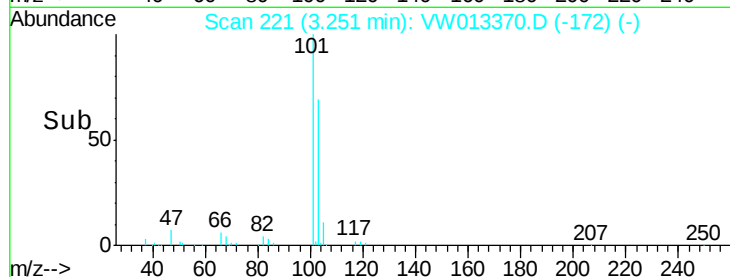
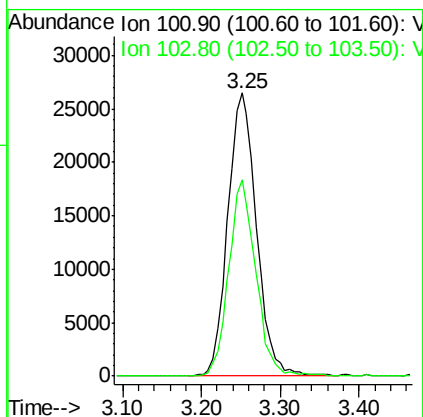
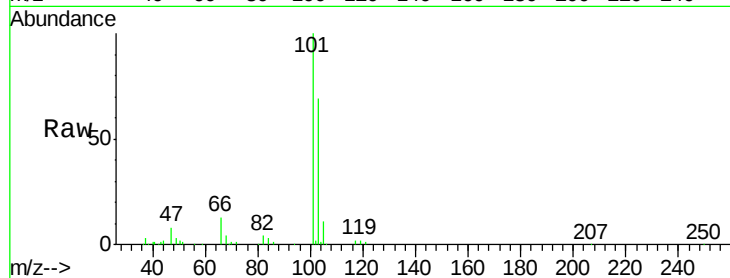
Trichlorofluoromethane
Concen: 42.656 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.1	55.3	82.9

Manual Integrations
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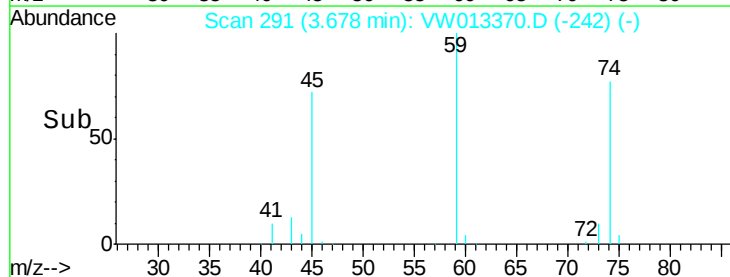
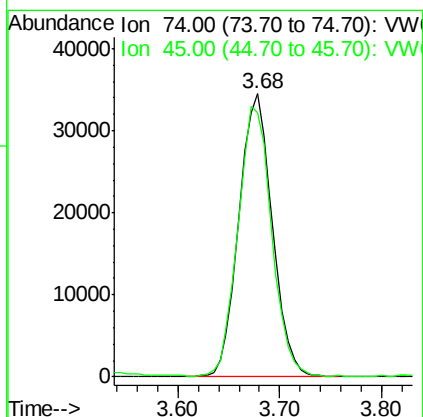
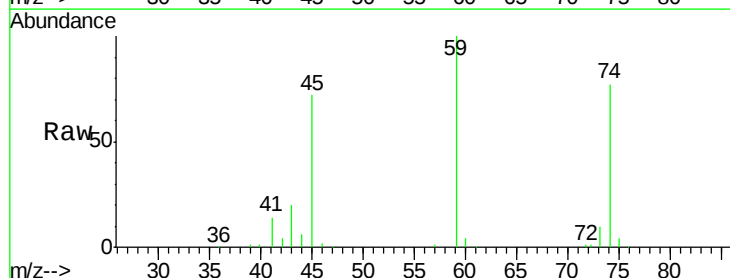
MMDadoda
10/7/2019 8:22:43 AM

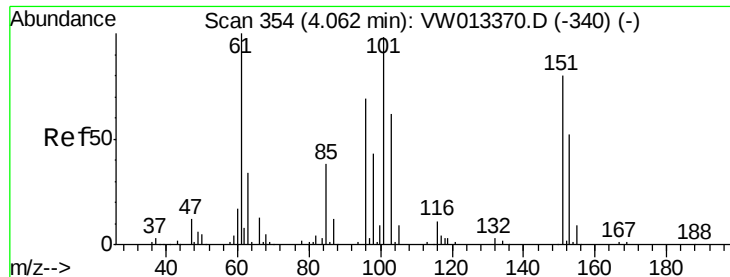


#8

Diethyl Ether
Concen: 44.569 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.943 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013370.D

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MSVOA_W

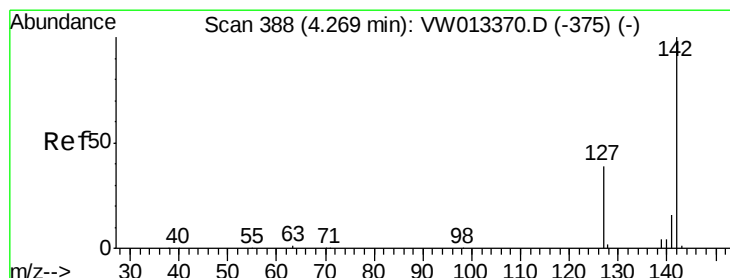
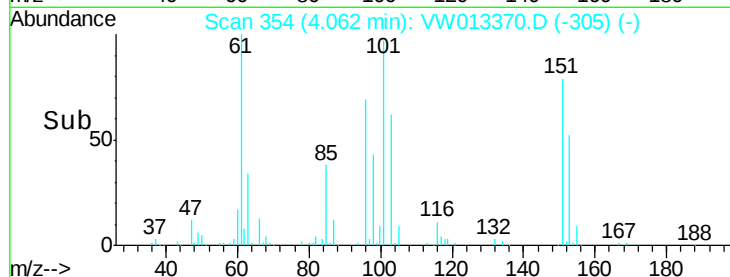
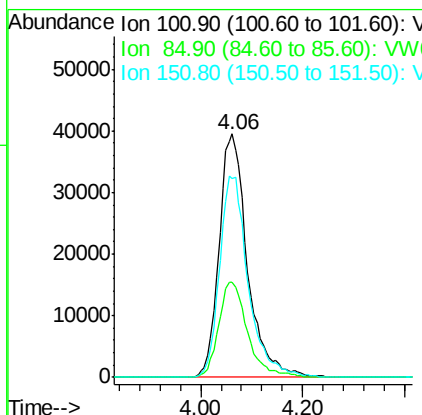
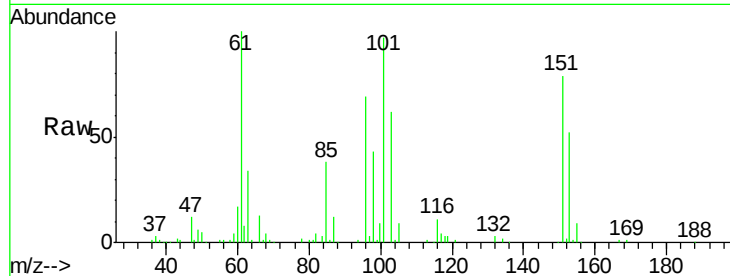
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	152361
Ion Ratio	Lower	Upper	
101	100		
85	39.9	31.9	47.9
151	83.8	67.0	100.6

Manual Integrations
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#10

Methyl Iodide

Concen: 45.751 ug/l

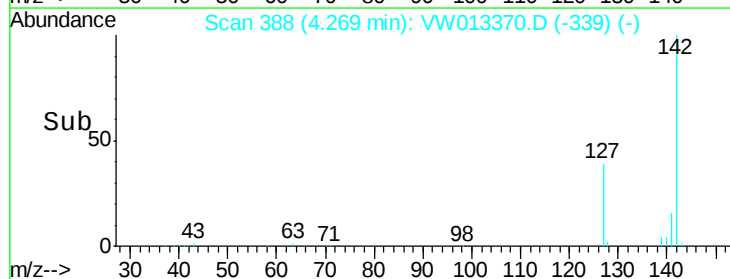
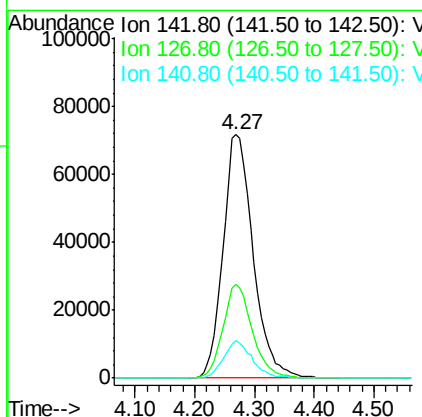
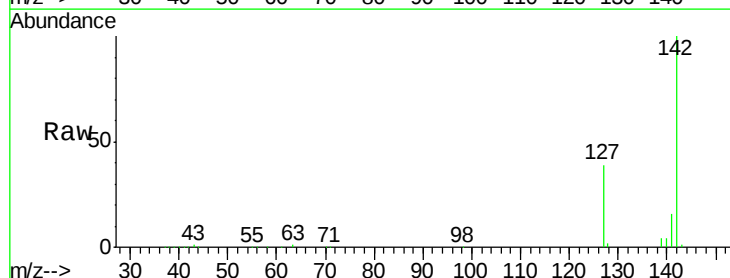
RT: 4.27 min Scan# 388

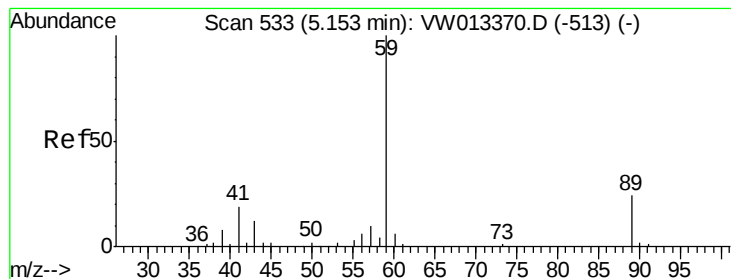
Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Tgt Ion:	142	Resp:	252133
Ion Ratio	Lower	Upper	
142	100		
127	37.6	30.1	45.1
141	14.6	11.7	17.5





#11

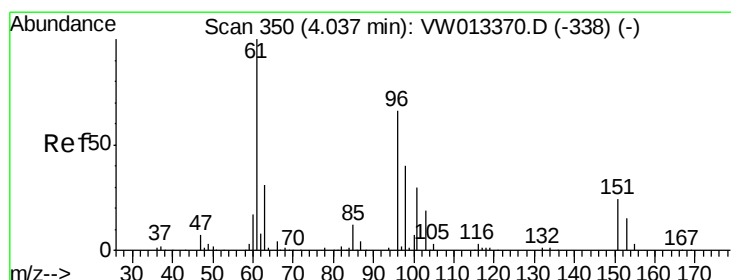
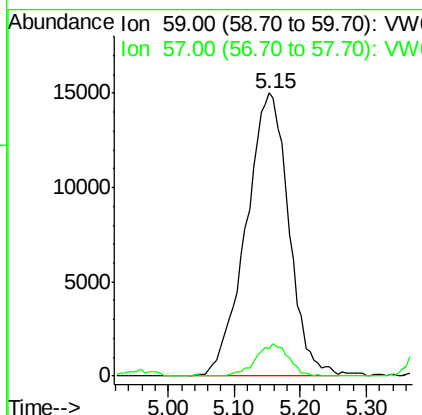
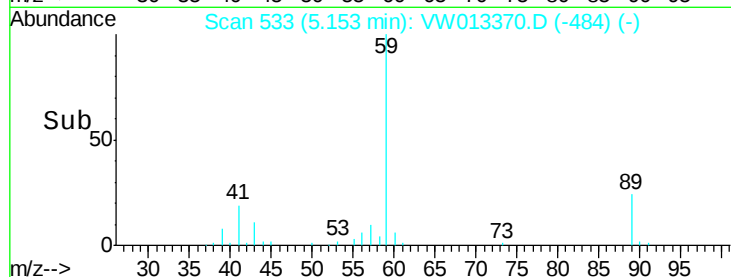
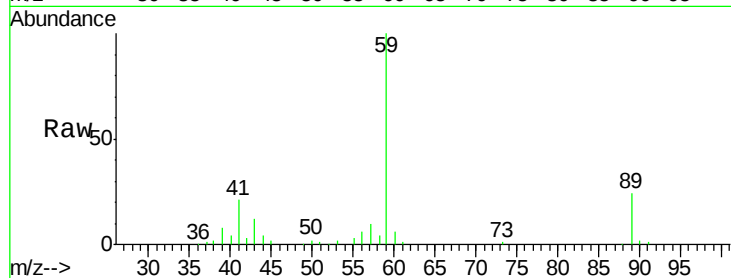
Tert butyl alcohol
Concen: 110.864 ug/l
RT: 5.15 min Scan# 533
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	67436		
57	57	8.9		7.1	10.7

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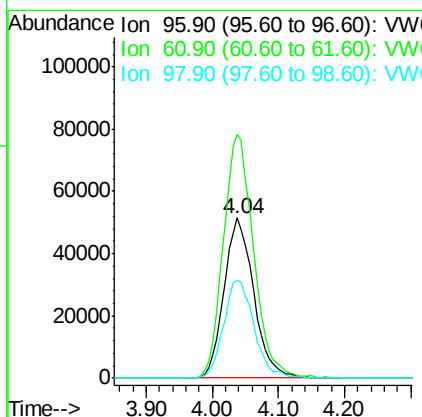
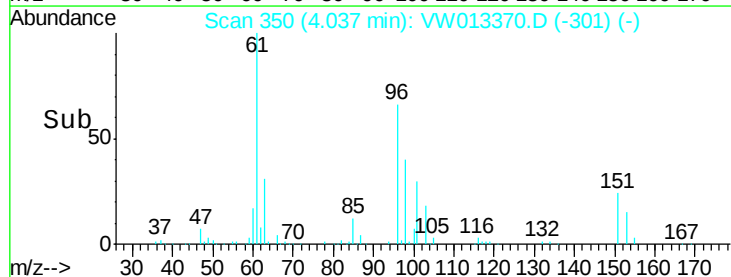
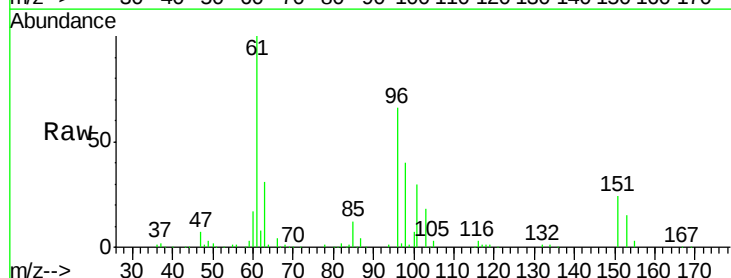
MMDadoda
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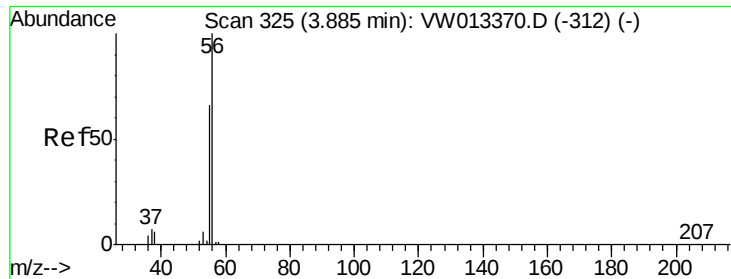


#12

1,1-Dichloroethene
Concen: 44.105 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	160270		
61	61	151.8		121.4	182.2
98	98	61.1		48.9	73.3





#13

Acrolein

Concen: 278.382 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 69501

Ion Ratio Lower Upper

56 100

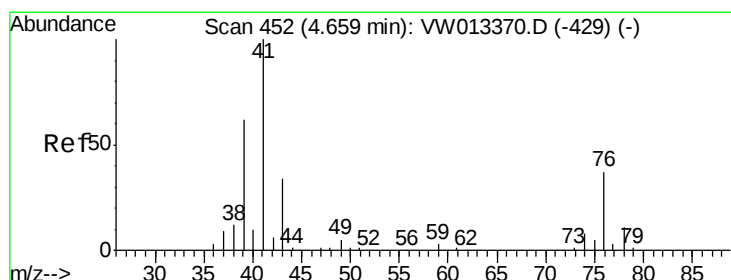
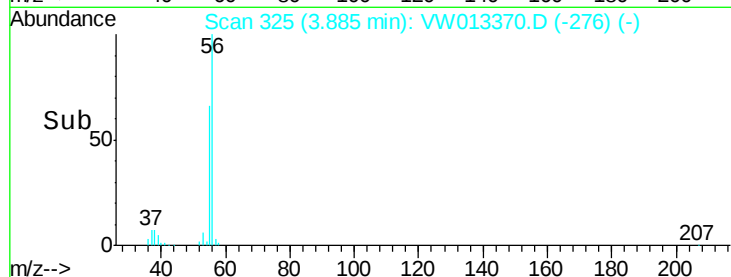
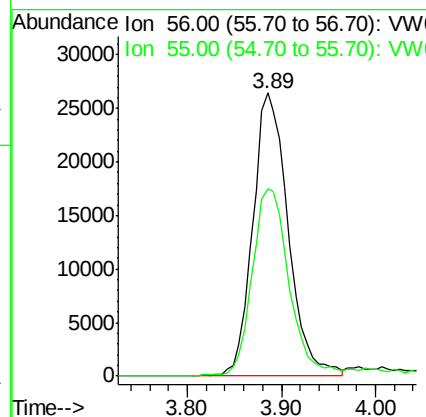
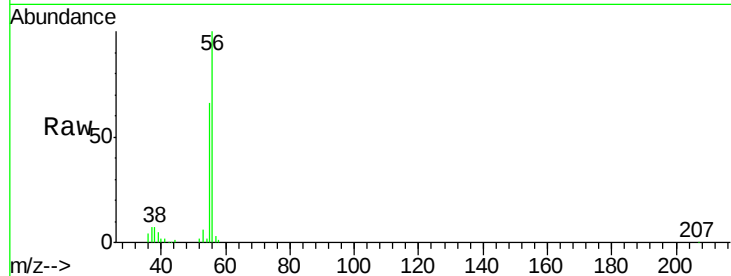
55 69.1 55.3 82.9

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#14

Allyl chloride

Concen: 45.271 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

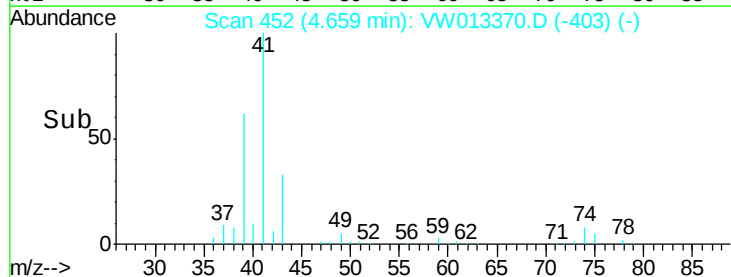
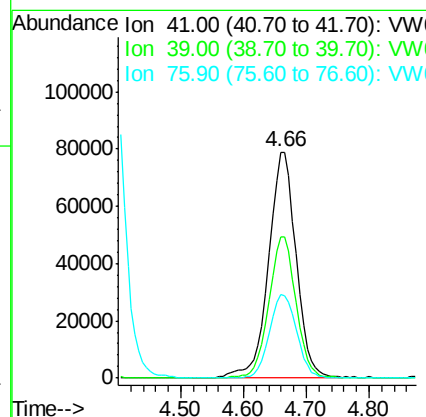
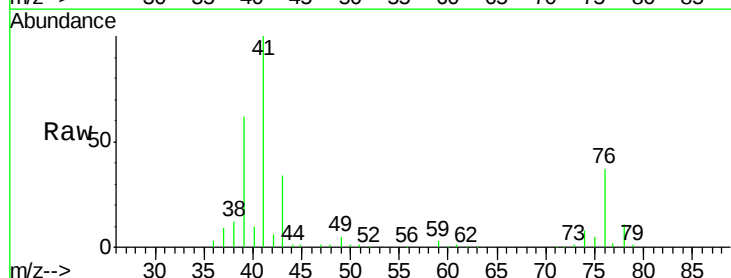
Tgt Ion: 41 Resp: 240525

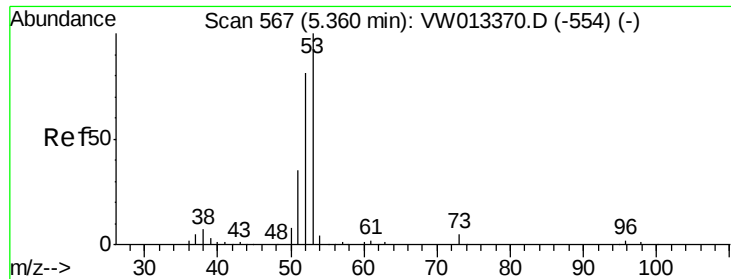
Ion Ratio Lower Upper

41 100

39 61.7 49.4 74.0

76 36.4 29.1 43.7





#15

Acrylonitrile

Concen: 213.151 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

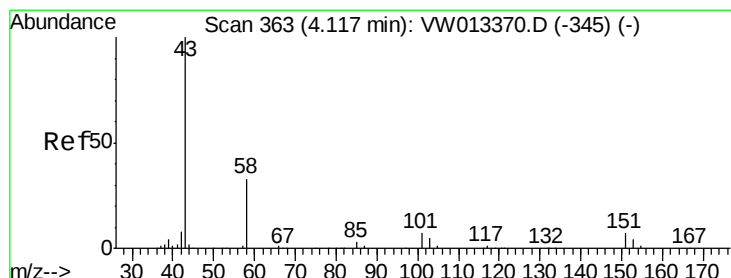
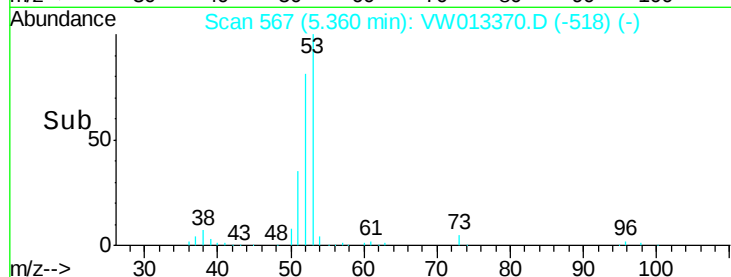
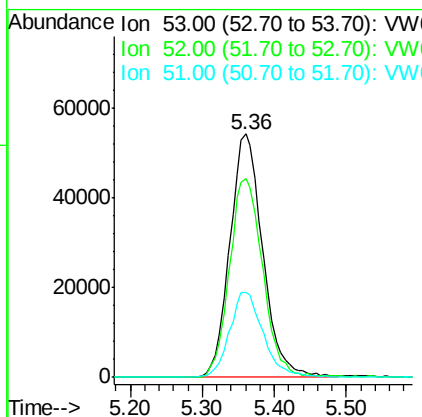
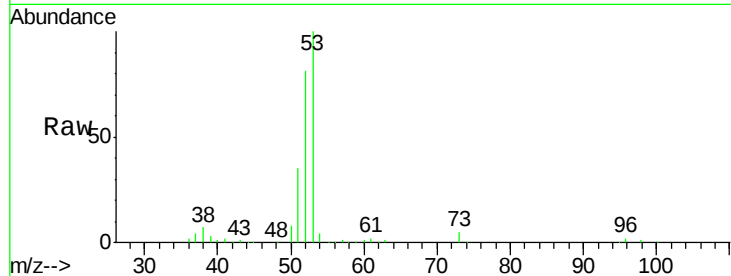
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	172377
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.8	98.8
51	35.9	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 206.494 ug/l

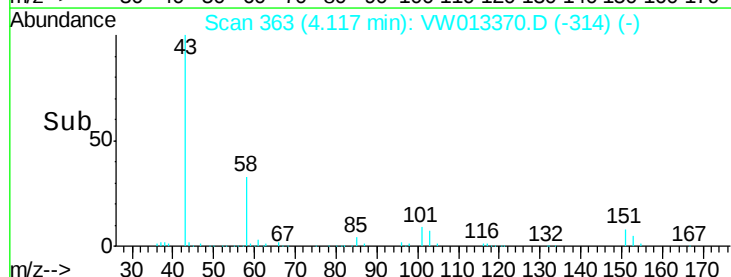
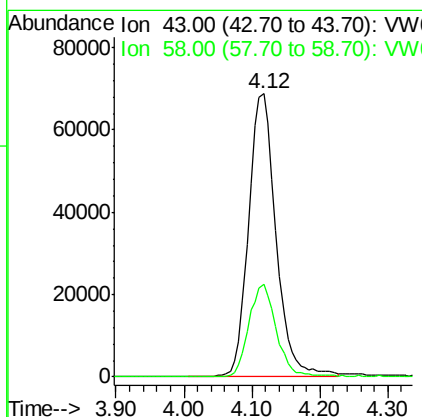
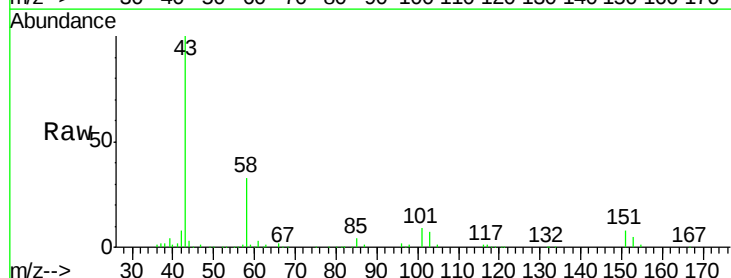
RT: 4.12 min Scan# 363

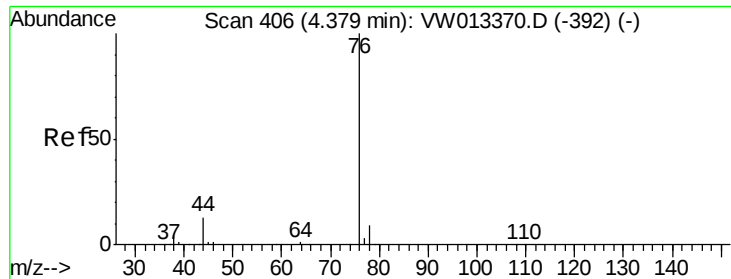
Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Tgt Ion:	43	Resp:	194273
Ion Ratio	Lower	Upper	
43	100		
58	32.8	26.2	39.4





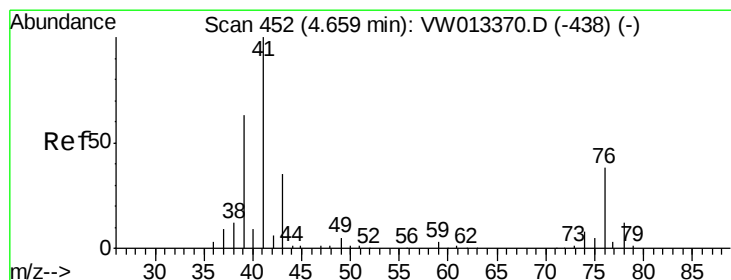
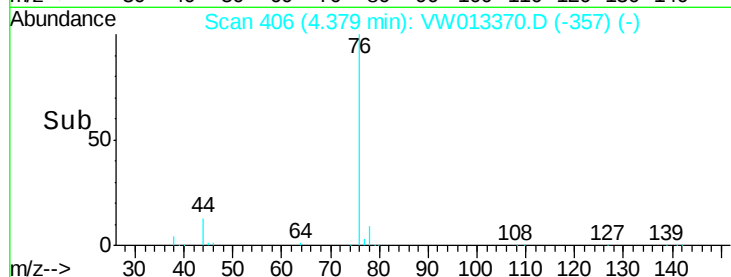
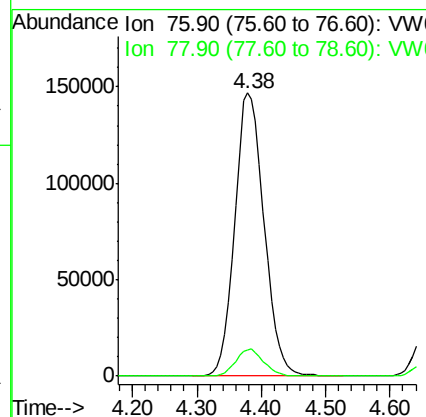
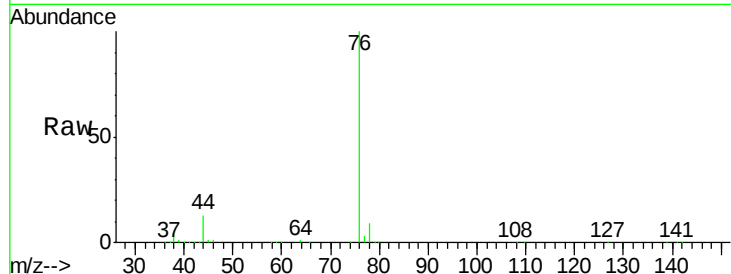
#17
Carbon Disulfide
Concen: 46.524 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

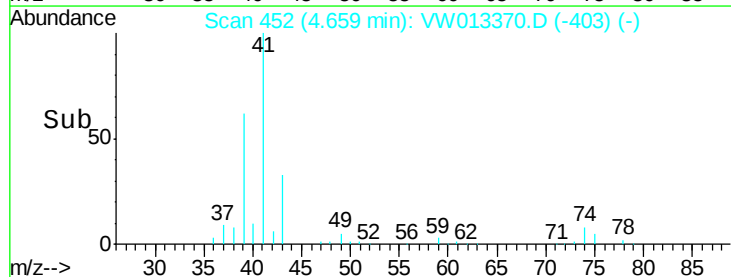
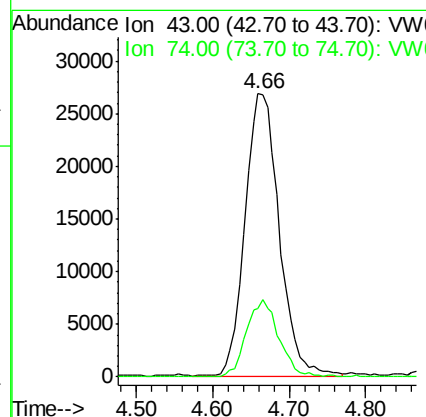
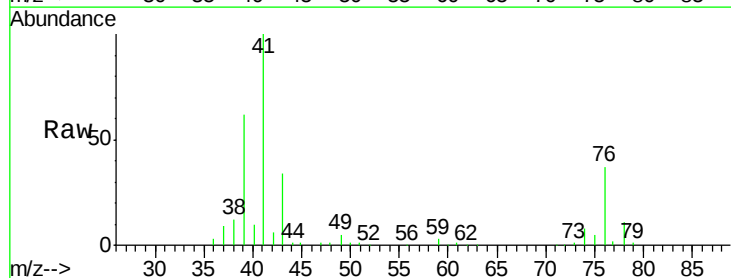
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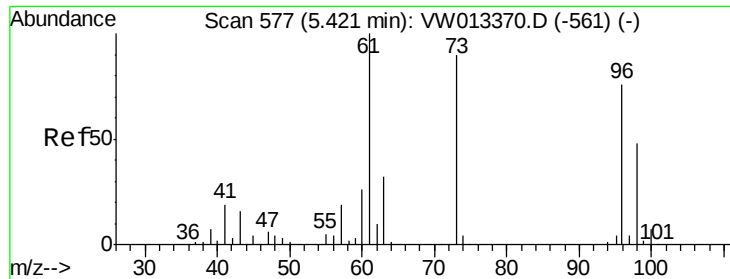
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#18
Methyl Acetate
Concen: 39.034 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	20.8	31.2





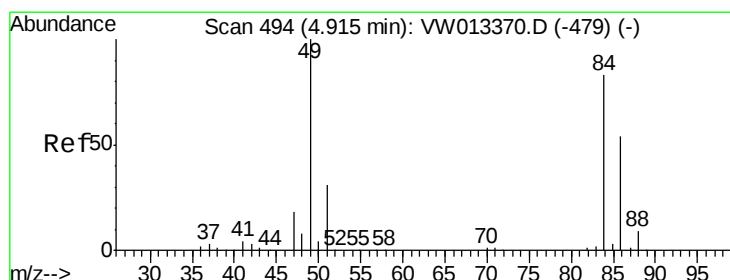
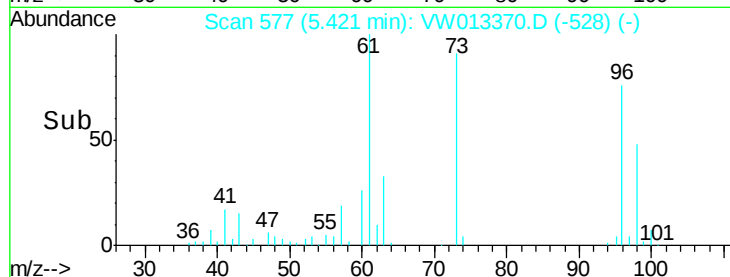
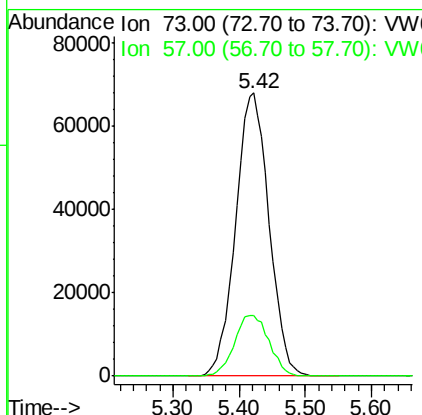
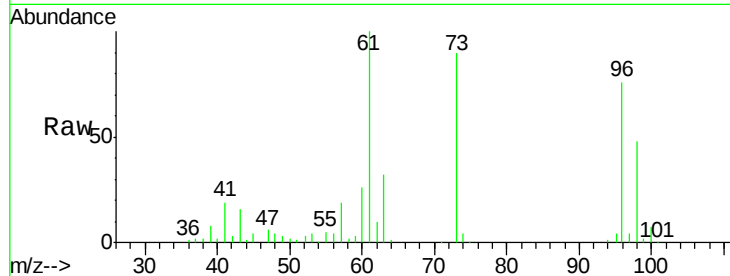
#19
Methvl tert-butvl Ether
Concen: 44.579 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 237832
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7

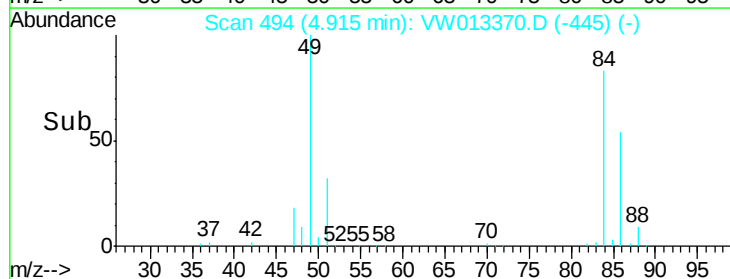
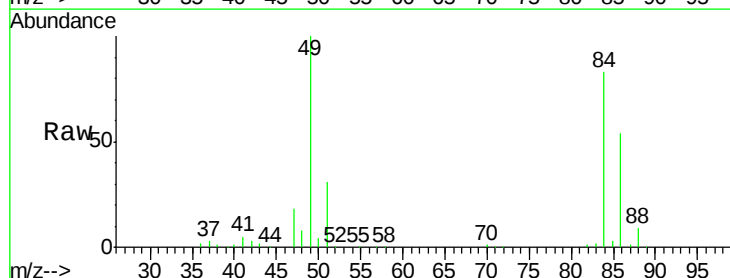
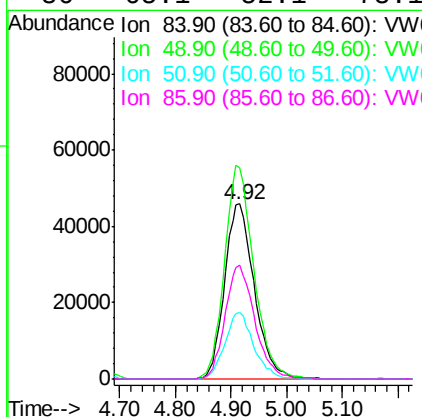
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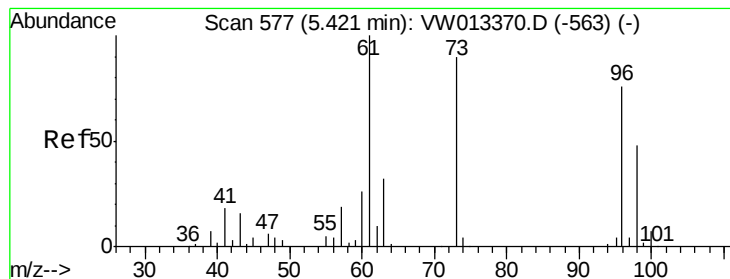
MMDadoda
10/7/2019 8:22:43 AM



#20
Methylene Chloride
Concen: 36.014 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion: 84 Resp: 170155
Ion Ratio Lower Upper
84 100
49 120.4 96.3 144.5
51 37.8 30.2 45.4
86 65.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 44.621 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 171338

Ion Ratio Lower Upper

96 100

61 131.7 105.4 158.0

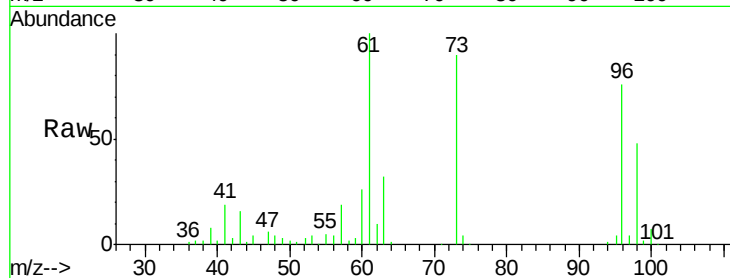
98 63.3 50.6 76.0

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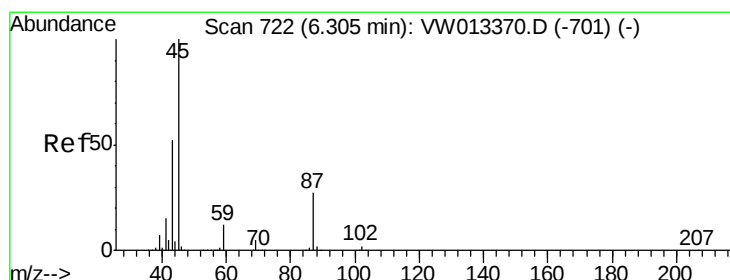
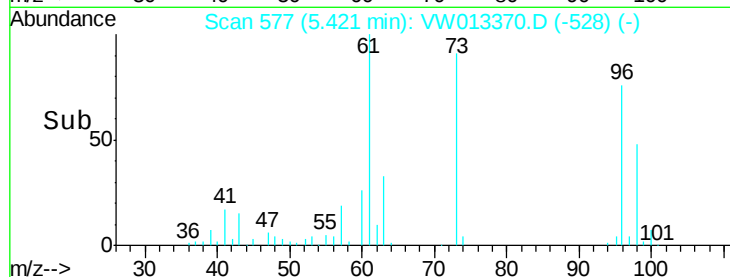
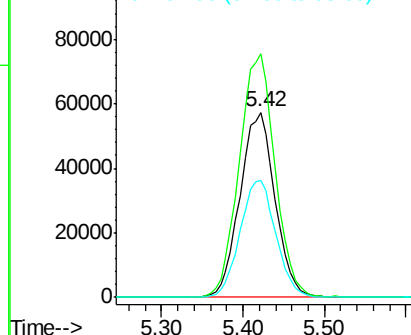


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 46.318 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Tgt Ion: 45 Resp: 475015

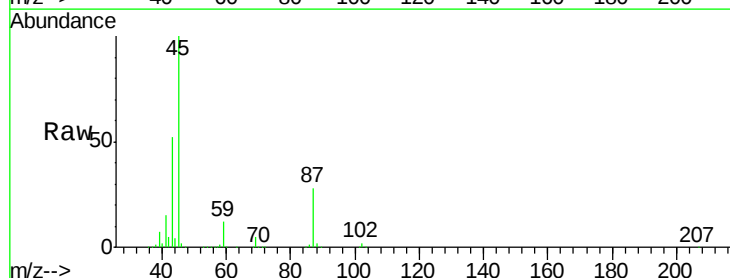
Ion Ratio Lower Upper

45 100

43 51.6 41.3 61.9

87 27.6 22.1 33.1

59 12.2 9.8 14.6



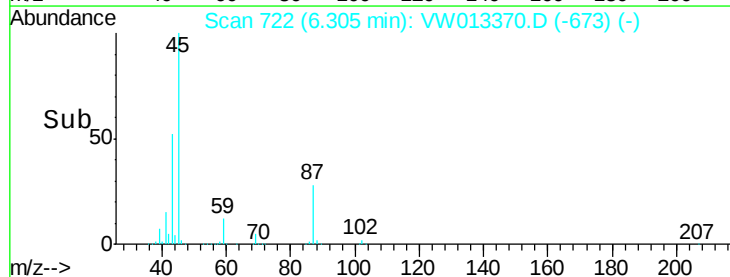
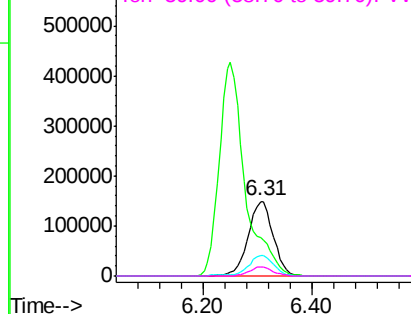
Abundance

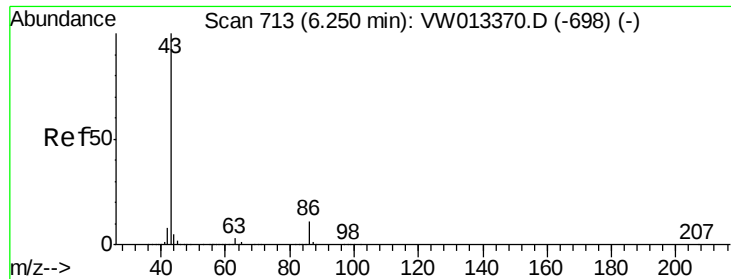
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 228.987 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1404849

Ion Ratio Lower Upper

43 100

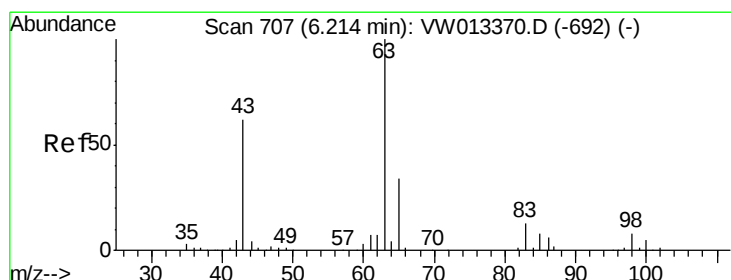
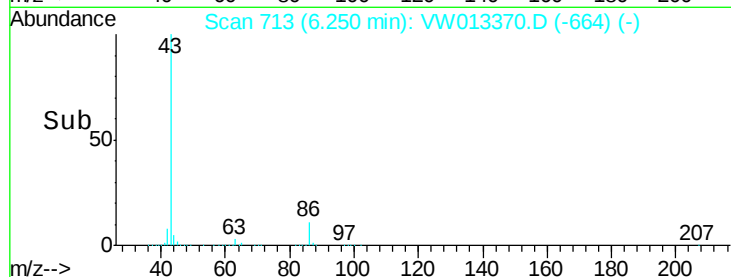
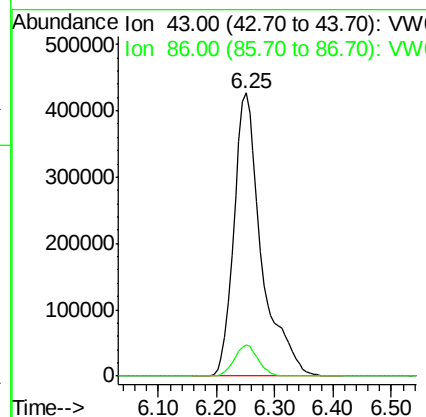
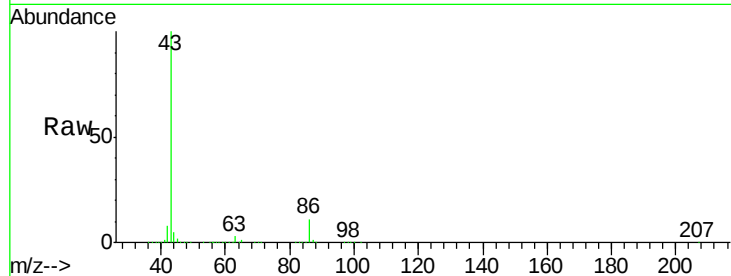
86 11.0 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 45.049 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

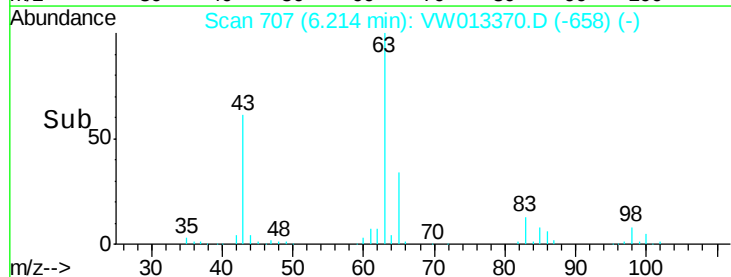
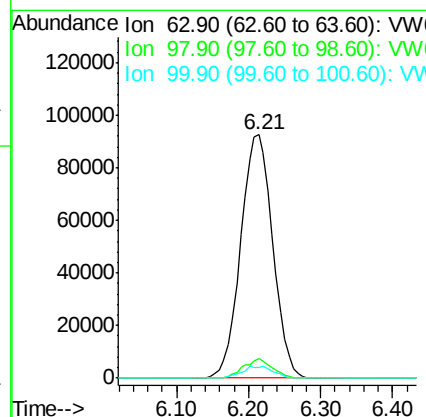
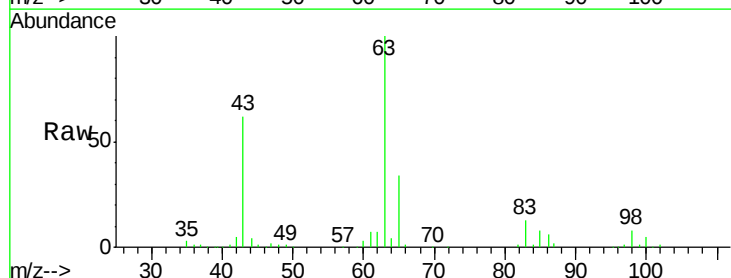
Tgt Ion: 63 Resp: 285472

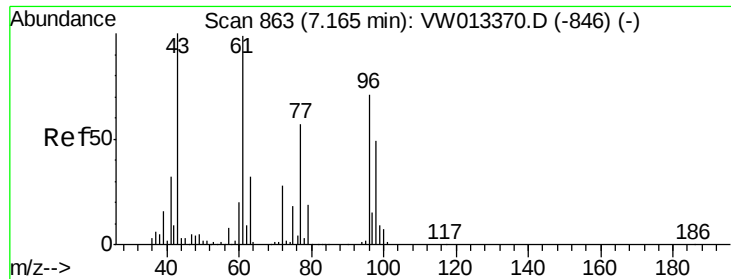
Ion Ratio Lower Upper

63 100

98 8.1 4.0 12.2

100 4.6 2.3 6.9





#25

2-Butanone

Concen: 212.443 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 251426

Ion Ratio Lower Upper

43 100

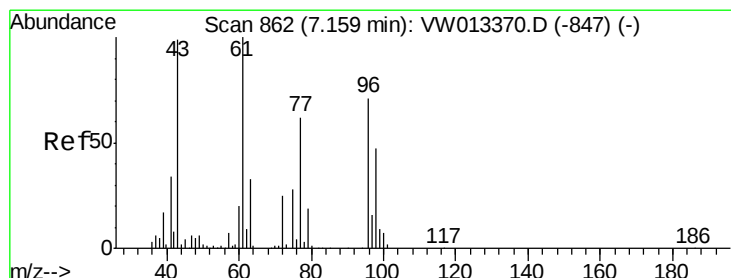
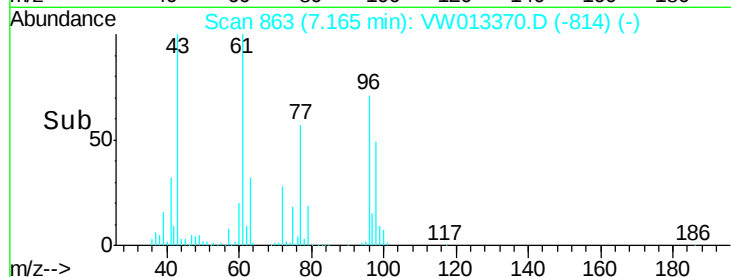
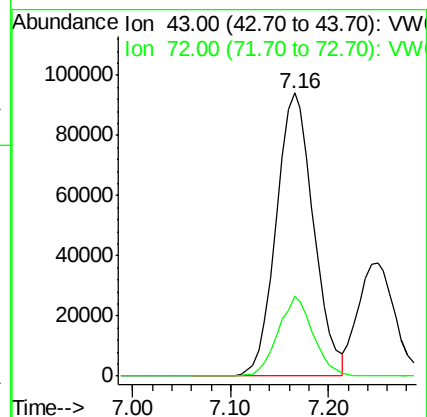
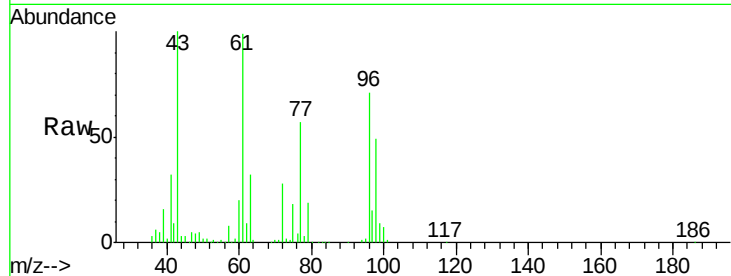
72 28.2 22.6 33.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 37.996 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013370.D

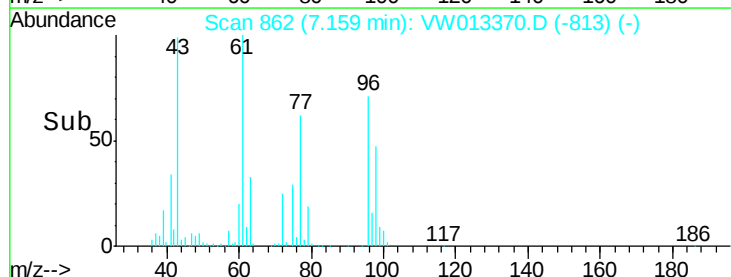
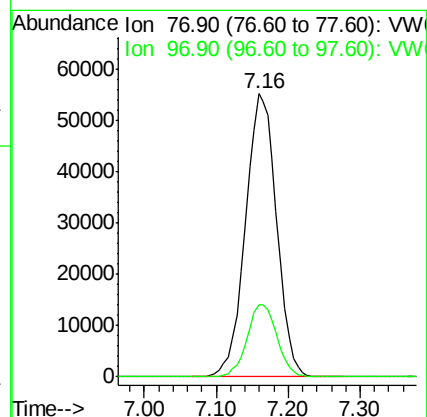
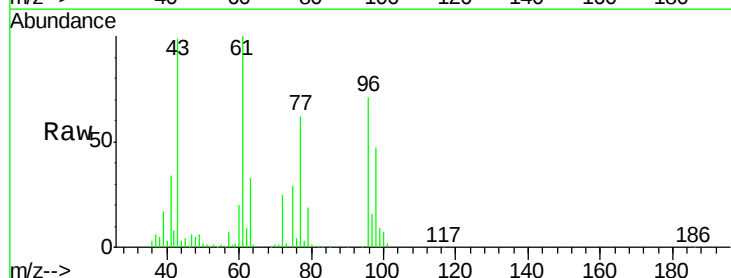
Acq: 01 Oct 2019 14:20

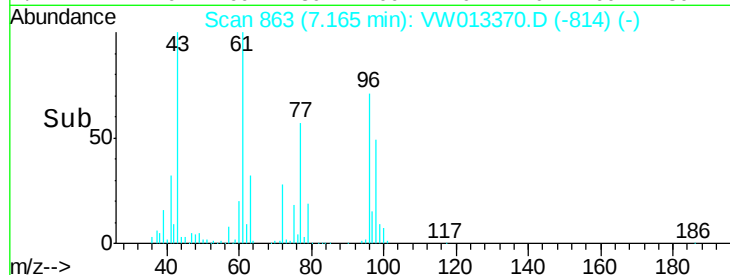
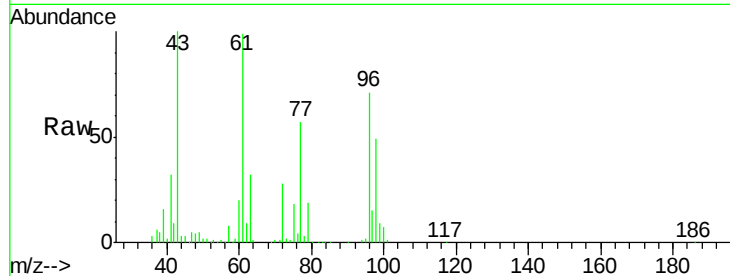
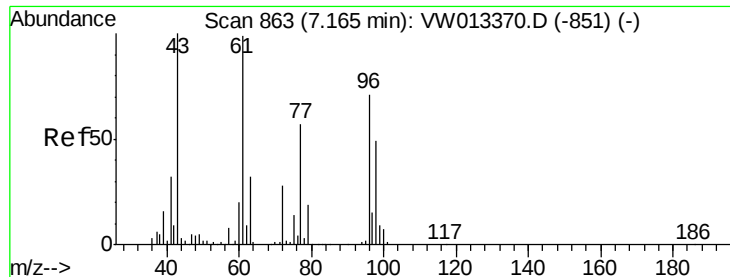
Tgt Ion: 77 Resp: 165344

Ion Ratio Lower Upper

77 100

97 24.5 12.3 36.8





#27

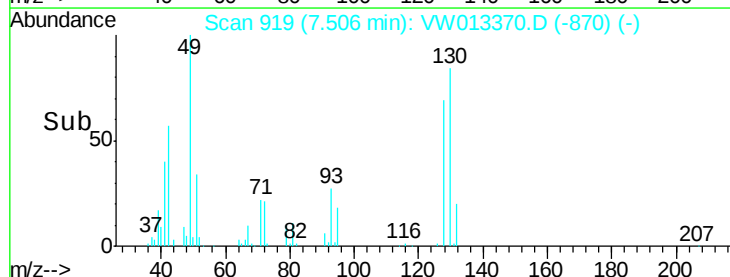
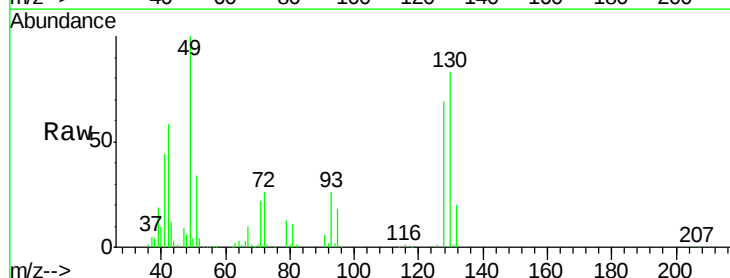
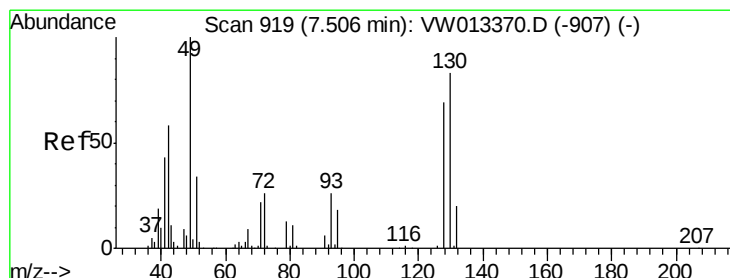
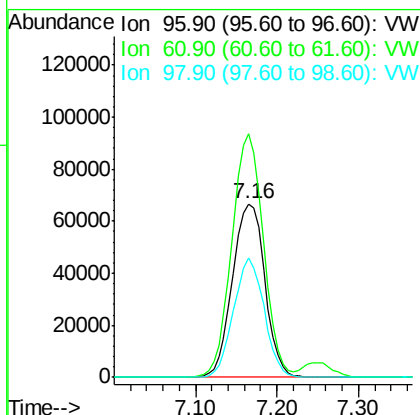
cis-1,2-Dichloroethene
Concen: 45.389 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tot Ion	Ratio	Resp	Lower	Upper
96	100	183377		
61	136.6	0.0	273.2	
98	65.0	0.0	130.0	

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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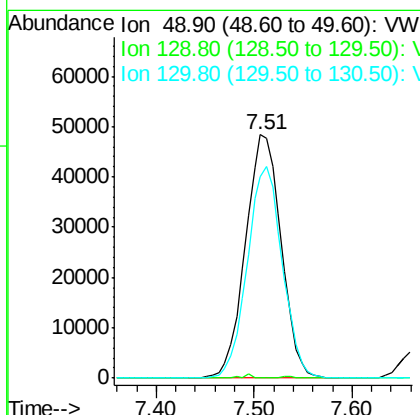
MMDadoda
10/7/2019 8:22:43 AM

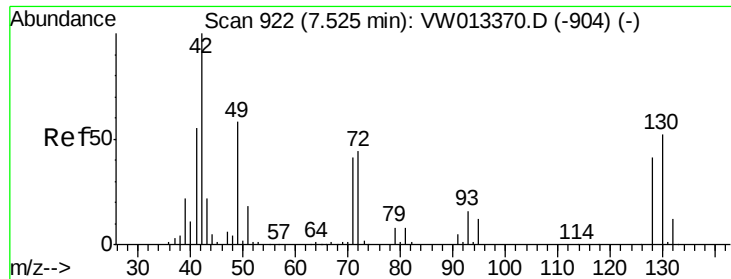


#28

Bromochloromethane
Concen: 56.293 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	122655		
129	0.4	0.0	0.8	
130	85.4	68.3	102.5	





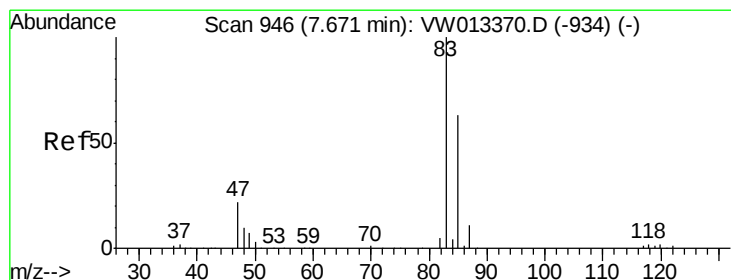
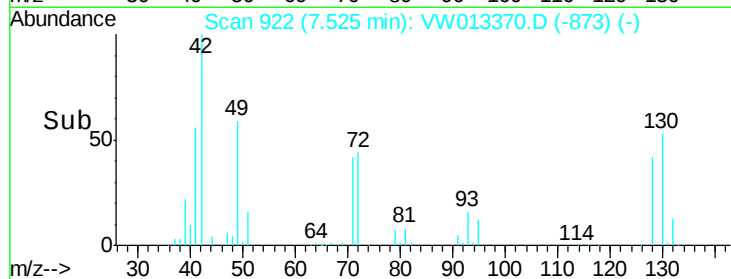
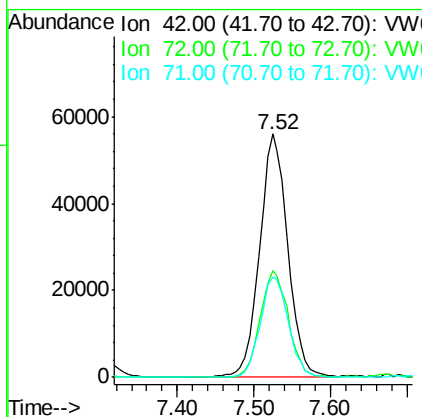
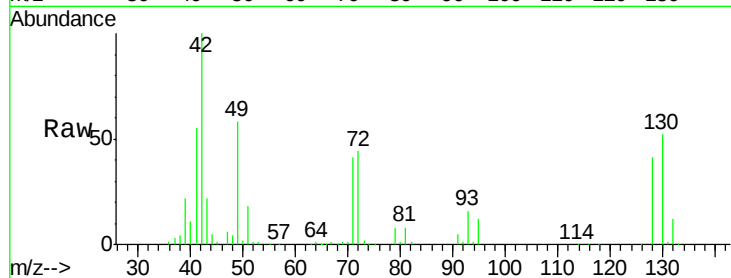
#29
Tetrahydrofuran
Concen: 210.318 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	41.4	33.1	49.7

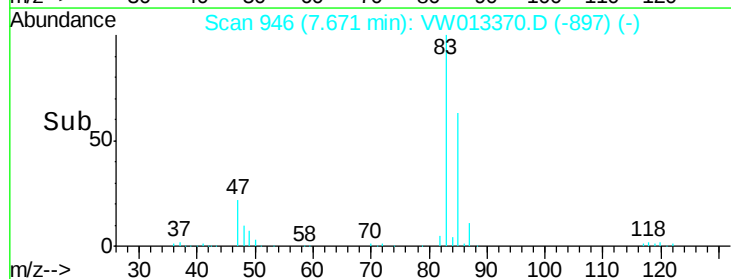
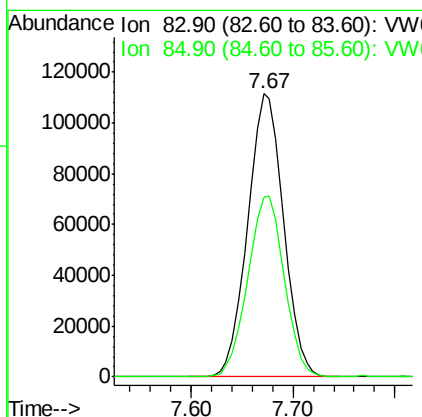
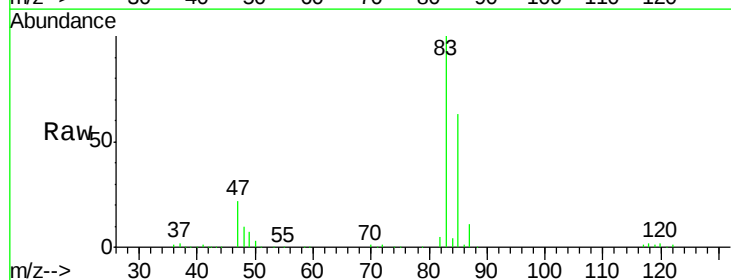
Manual Integrations
APPROVED

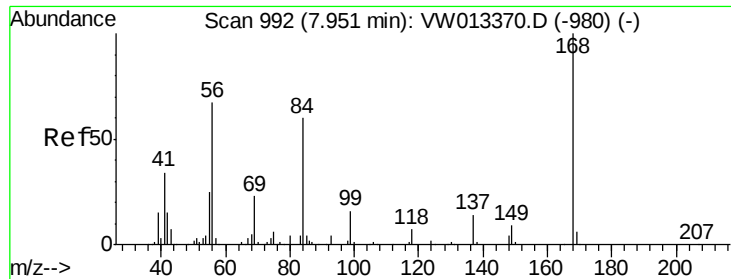
MMDadoda
10/7/2019 8:22:43 AM



#30
Chloroform
Concen: 43.975 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0





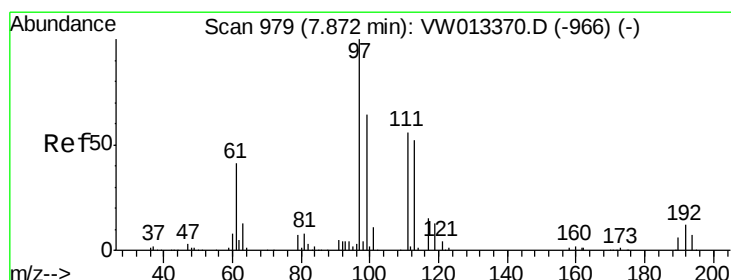
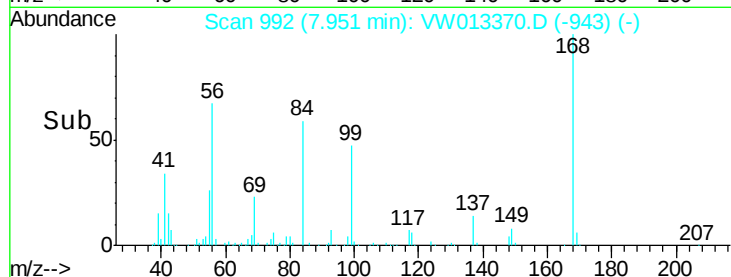
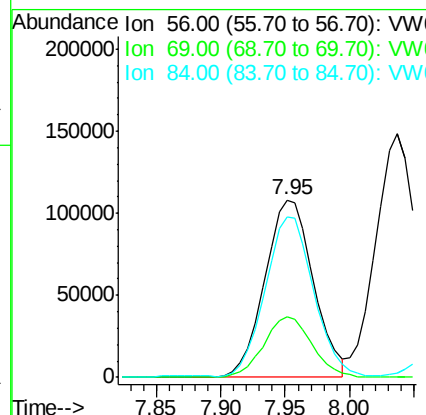
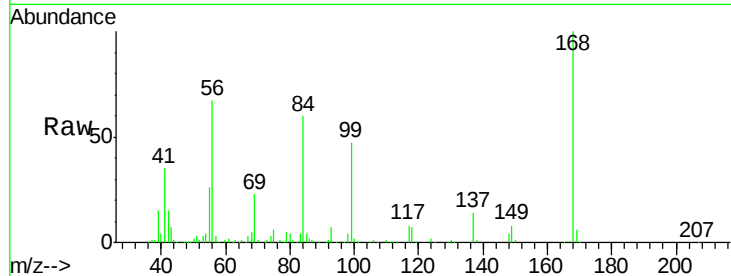
#31
Cyclohexane
Concen: 40.691 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	27.5	41.3
84	89.2	71.4	107.0

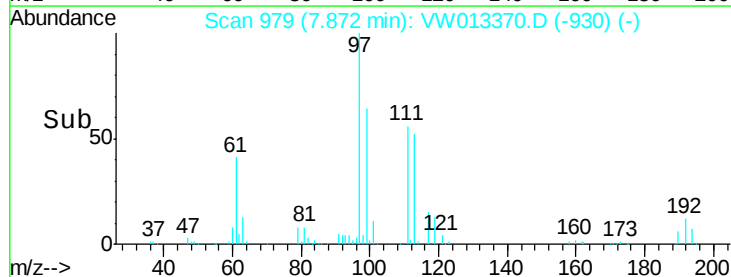
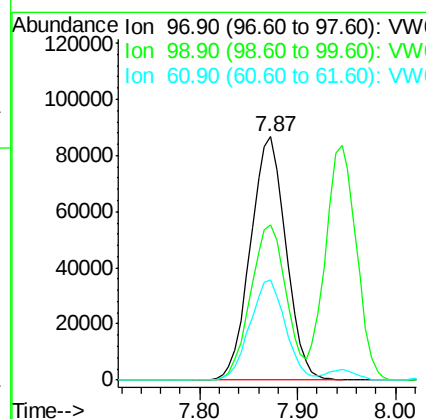
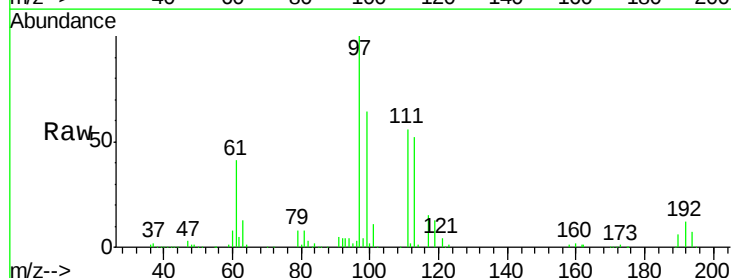
Manual Integrations
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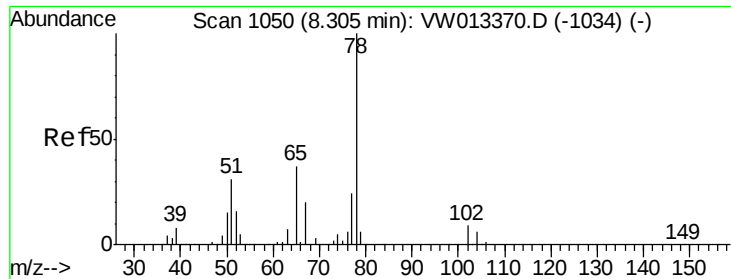
MMDadoda
10/7/2019 8:22:43 AM



#32
1,1,1-Trichloroethane
Concen: 44.938 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	41.2	33.0	49.4





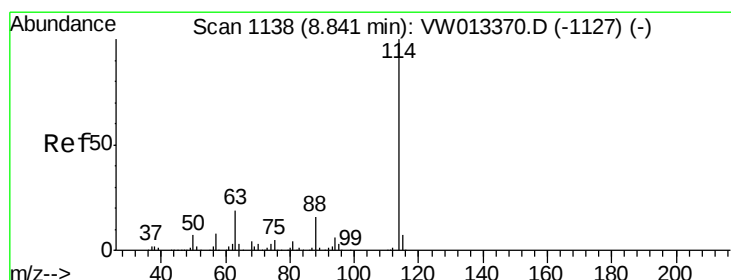
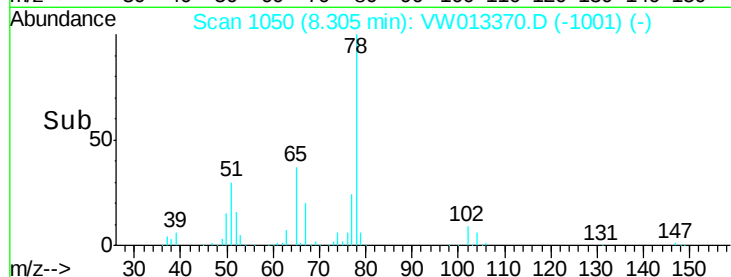
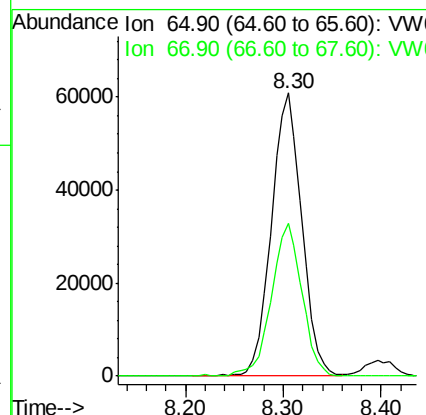
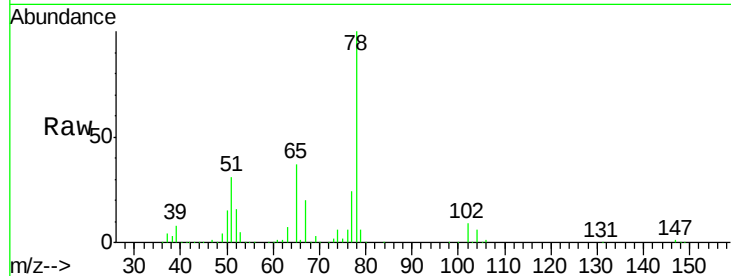
#33
 1,2-Dichloroethane-d4
 Concen: 45.309 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	132000		
67	54.5	0.0	109.0	

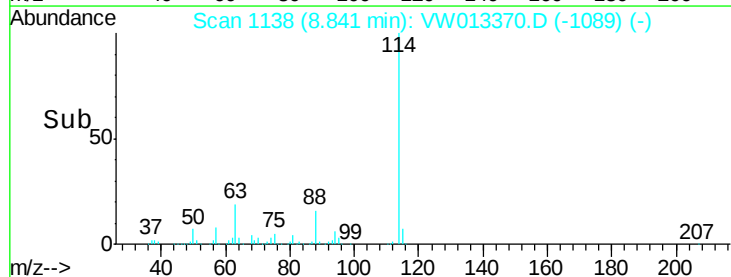
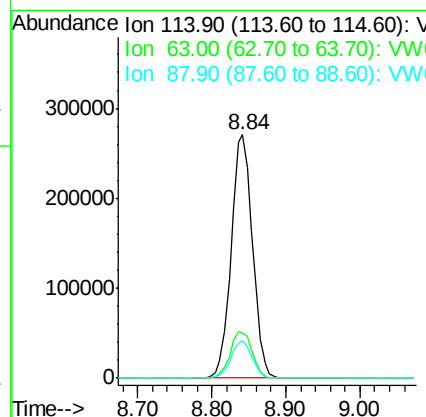
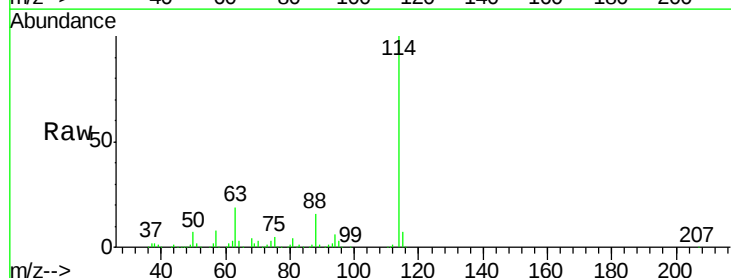
Manual Integrations
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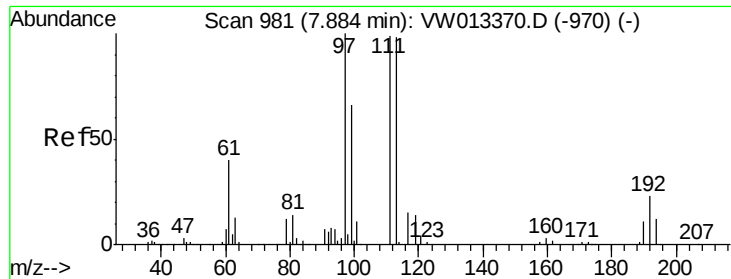
MMDadoda
 10/7/2019 8:22:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	538974		
63	18.7	0.0	37.4	
88	15.6	0.0	31.2	





#35

Dibromofluoromethane

Concen: 46.900 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

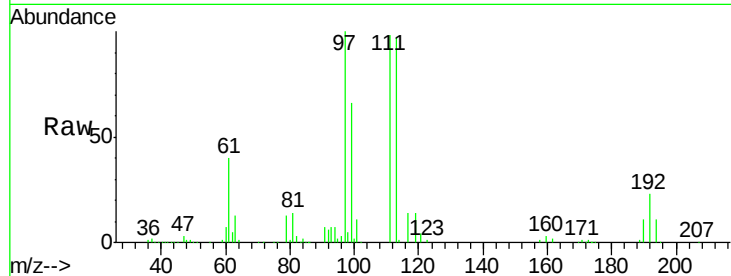
ClientSampleId :

VSTDICCC050

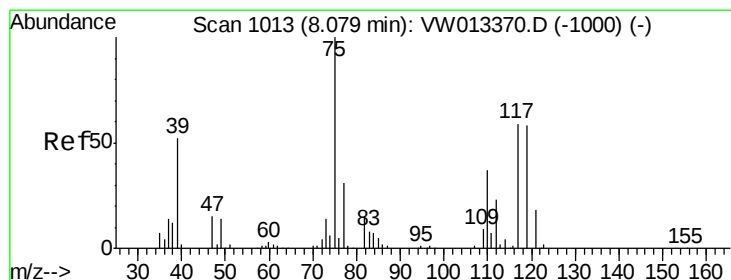
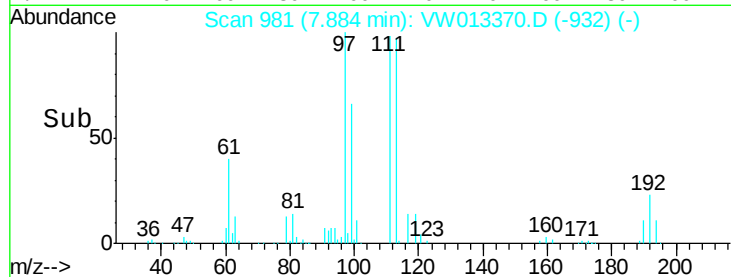
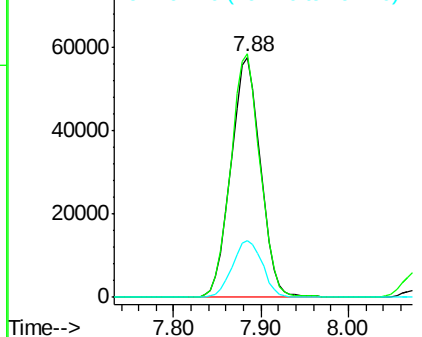
Tot Ion:	113	Resp:	135919
Ion Ratio	Lower	Upper	
113	100		
111	101.1	80.9	121.3
192	23.9	19.1	28.7

Manual Integrations
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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 44.783 ug/l

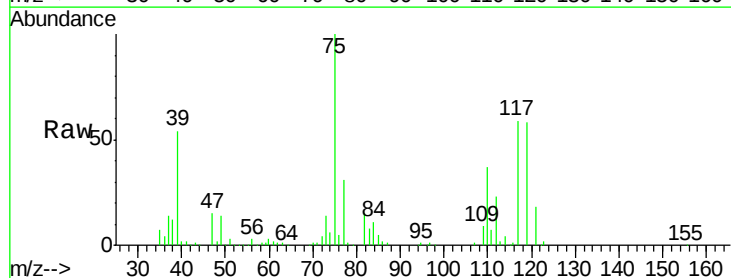
RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

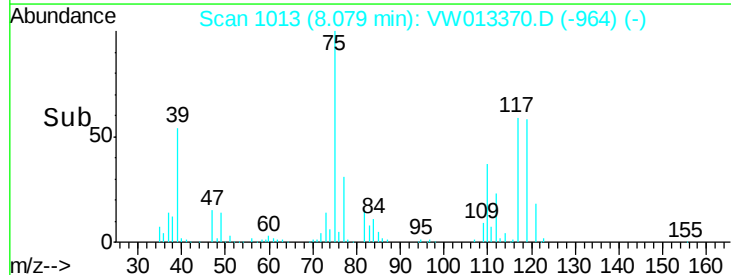
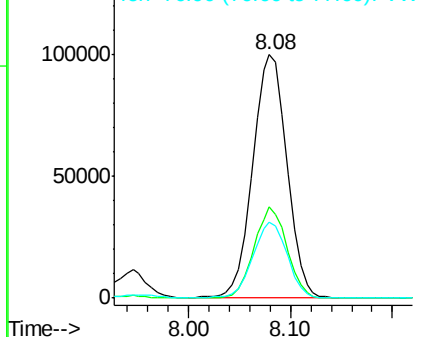
Lab File: VW013370.D

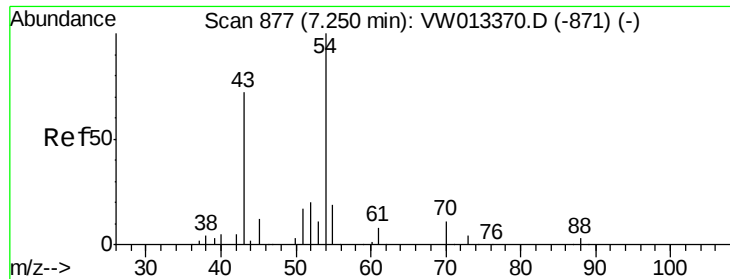
Acq: 01 Oct 2019 14:20

Tgt Ion:	75	Resp:	233652
Ion Ratio	Lower	Upper	
75	100		
110	35.9	17.9	53.8
77	31.2	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





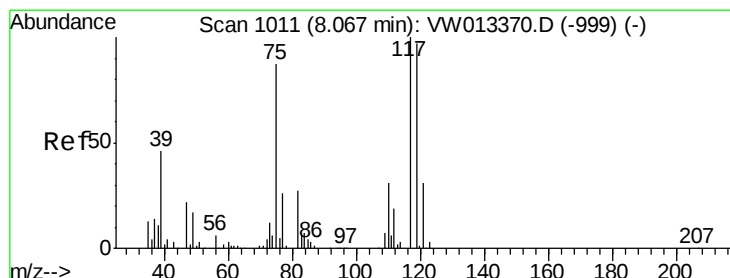
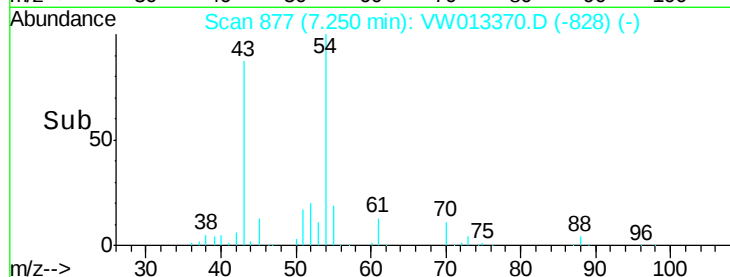
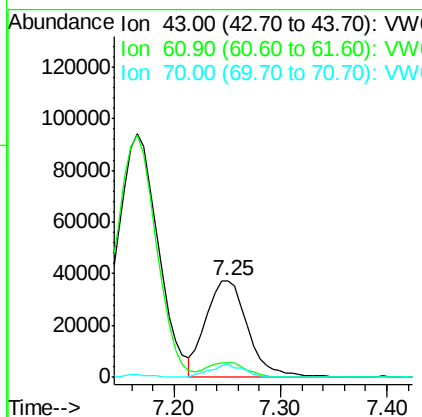
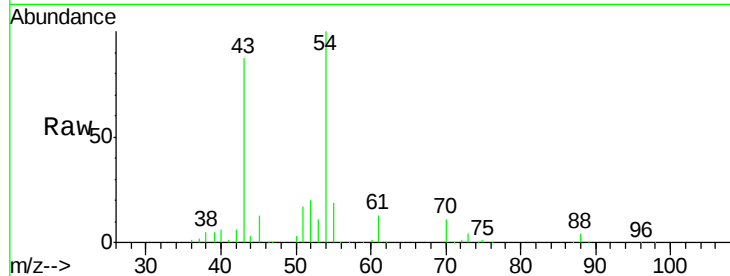
#37
Ethyl Acetate
Concen: 38.179 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	100480
Ion Ratio	Lower	Upper	
43	100		
61	14.3	11.4	17.2
70	11.6	9.3	13.9

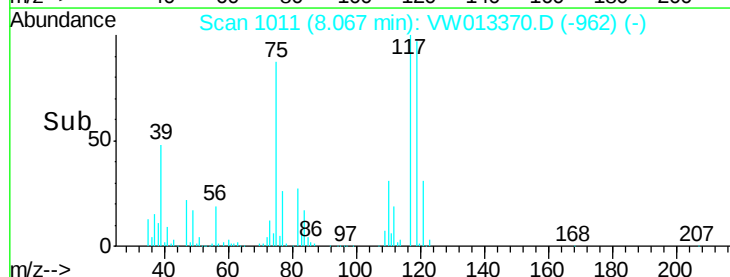
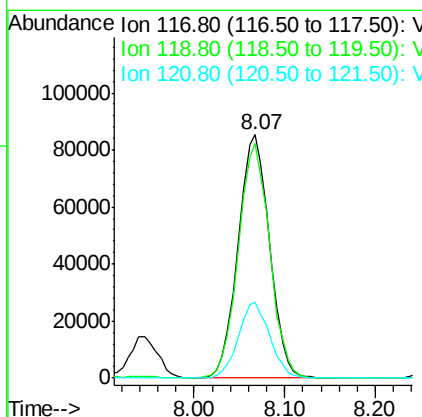
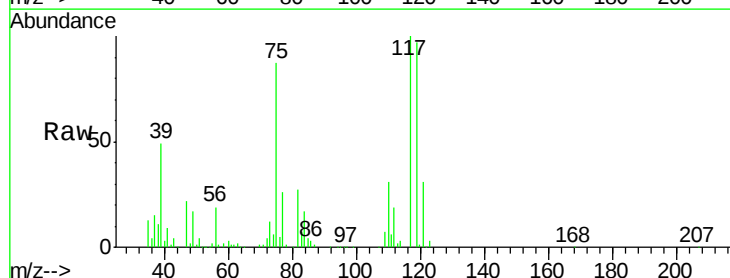
Manual Integrations
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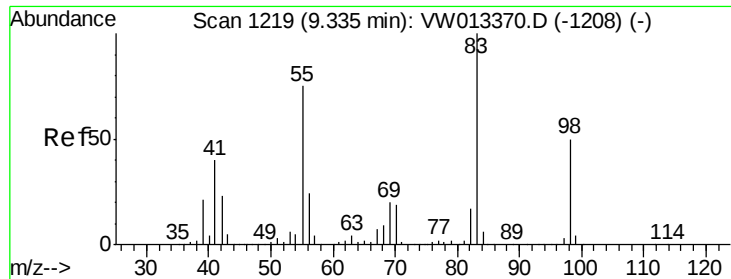
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#38
Carbon Tetrachloride
Concen: 45.945 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	117	Resp	205152
Ion Ratio	Lower	Upper	
117	100		
119	96.6	77.3	115.9
121	30.9	24.7	37.1





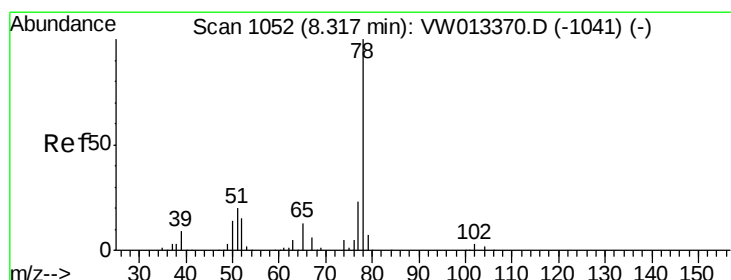
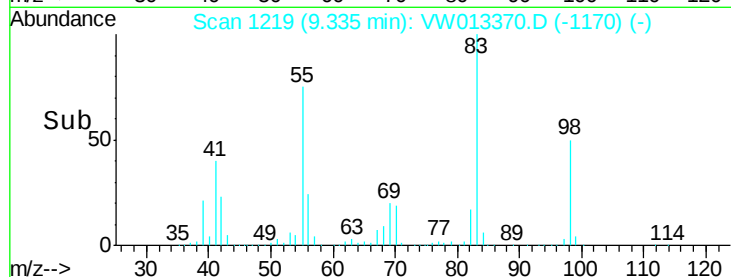
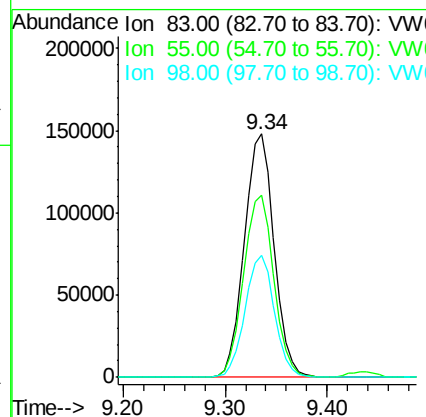
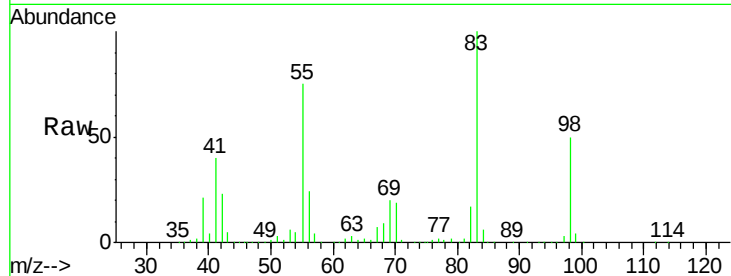
#39
Methvlcvclohexane
Concen: 43.927 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	300685		
55	74.9		59.9	89.9
98	50.4		40.3	60.5

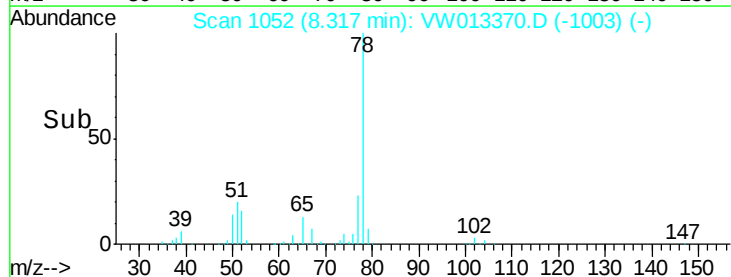
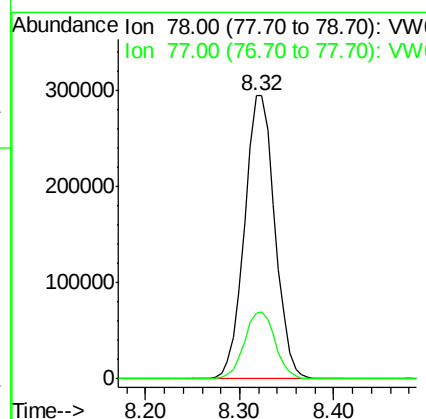
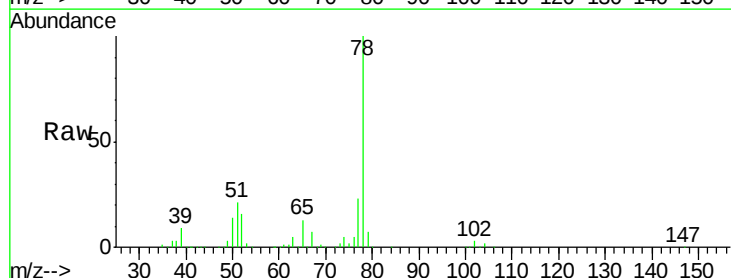
Manual Integrations
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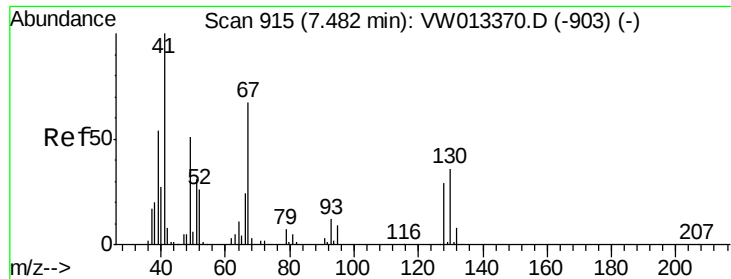
MMDadoda
10/7/2019 8:22:43 AM



#40
Benzene
Concen: 44.910 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	662377		
77	23.0		18.4	27.6





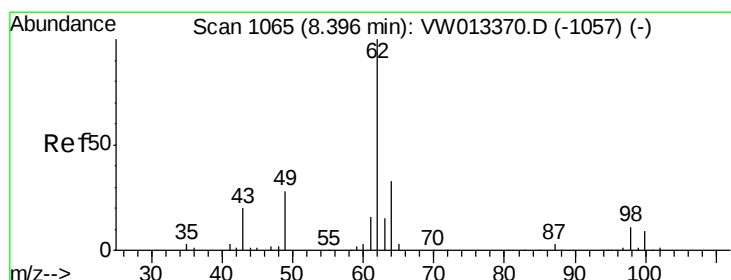
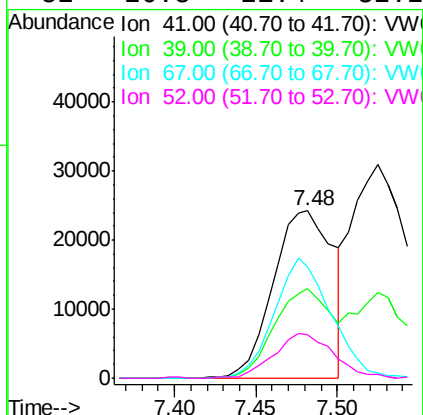
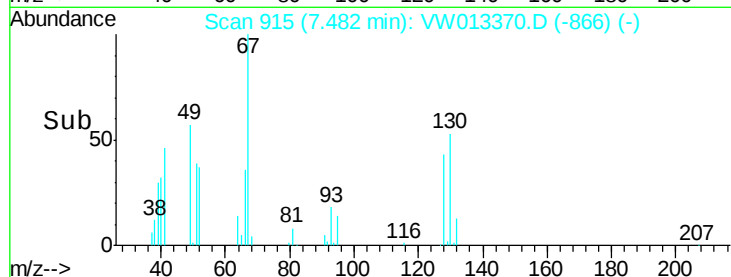
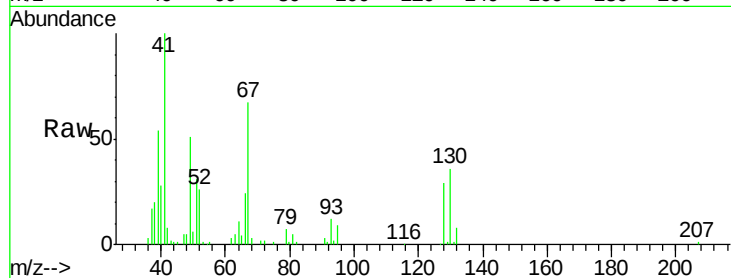
#41
Methacrylonitrile
Concen: 21.798 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	61754
Ion	Ratio	Lower	Upper
41	100		
39	50.9	40.7	61.1
67	68.4	54.7	82.1
52	26.8	21.4	32.2

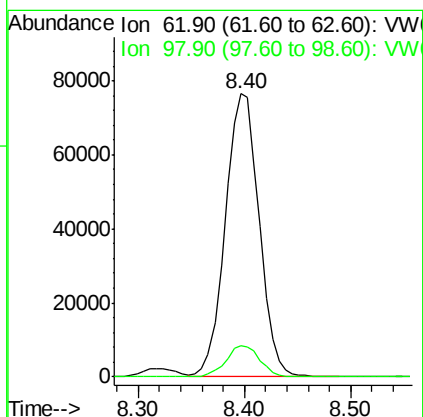
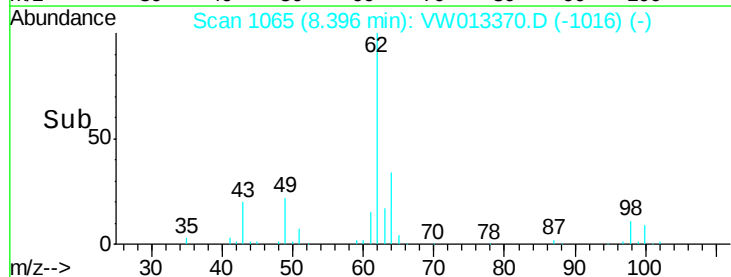
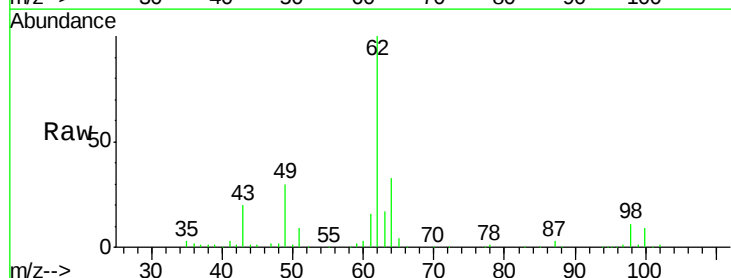
Manual Integrations
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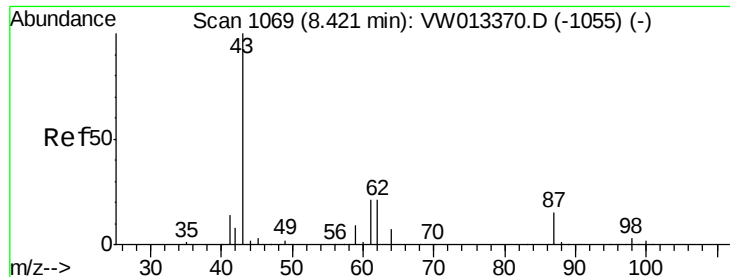
MMDadoda
10/7/2019 8:22:43 AM



#42
1,2-Dichloroethane
Concen: 45.327 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	62	Resp	169406
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.2





#43

Isopropyl Acetate

Concen: 44.078 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

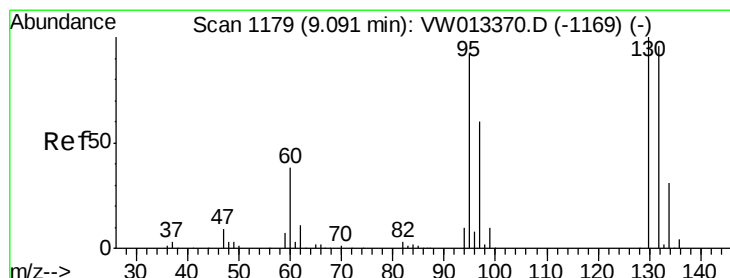
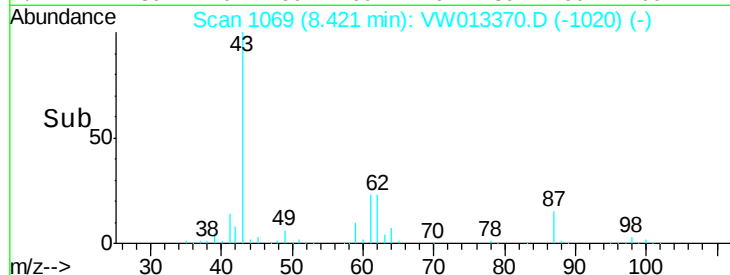
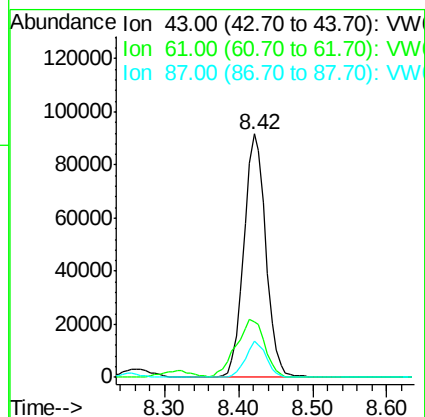
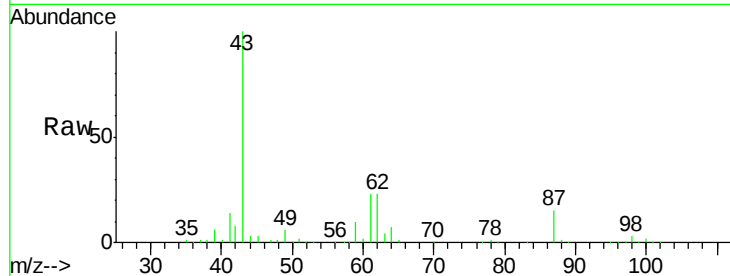
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	190379
Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.8	37.2
87	14.1	11.3	16.9

Manual Integrations
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10/7/2019 8:22:43 AM



#44

Trichloroethene

Concen: 45.417 ug/l

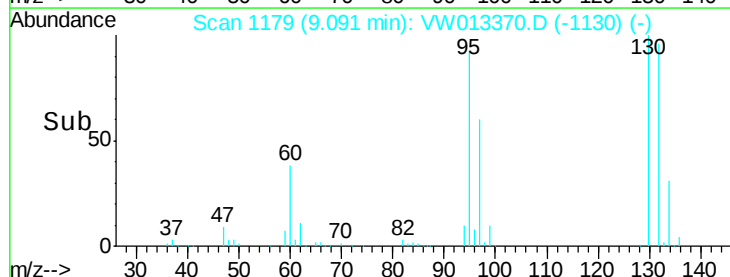
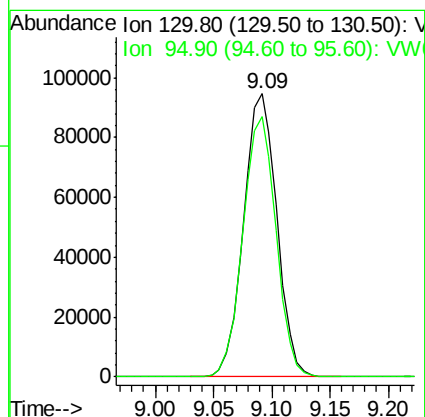
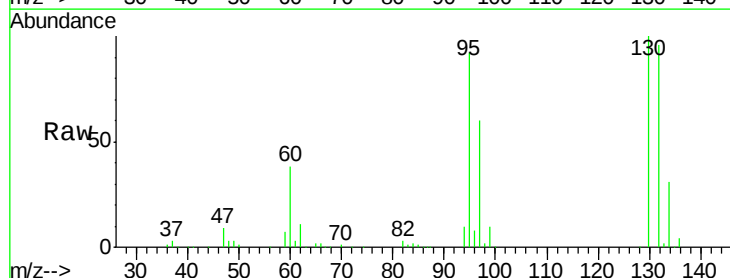
RT: 9.09 min Scan# 1179

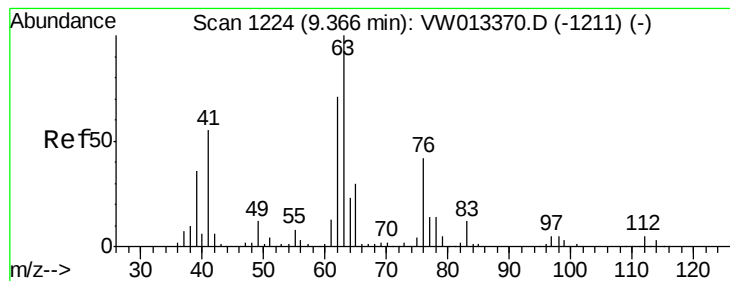
Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Tgt Ion:	130	Resp:	188963
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	183.8





#45

1,2-Dichloropropane

Concen: 45.460 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 158574

Ion Ratio Lower Upper

63 100

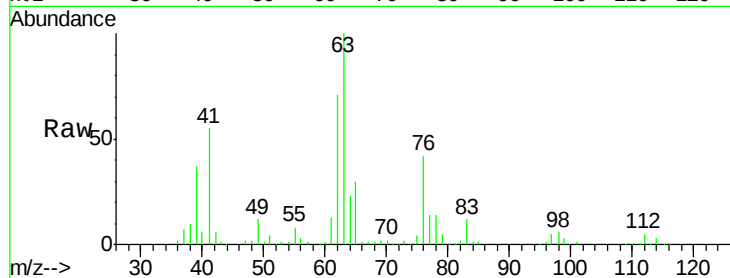
65 30.3 24.2 36.4

Manual Integrations

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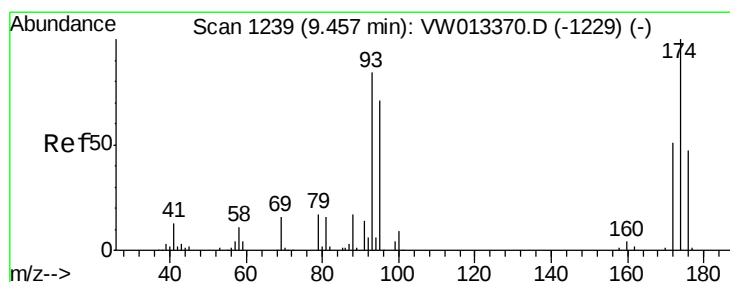
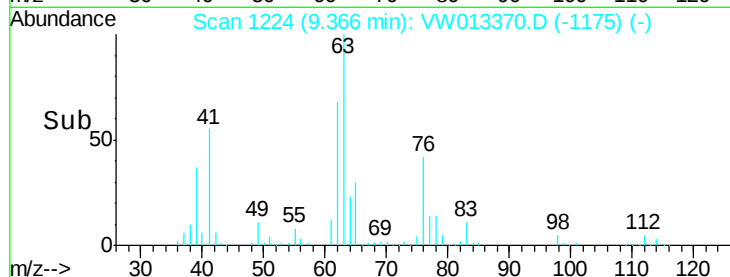
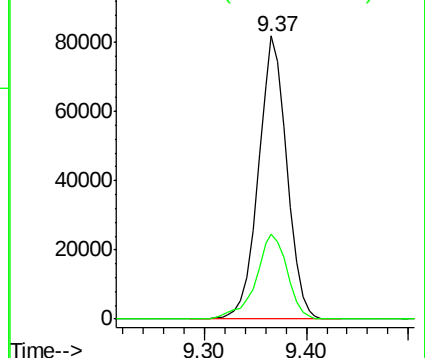
MMDadoda

10/7/2019 8:22:43 AM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 45.315 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

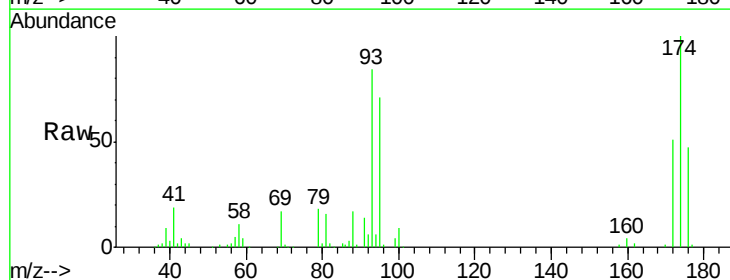
Tgt Ion: 93 Resp: 79385

Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.8

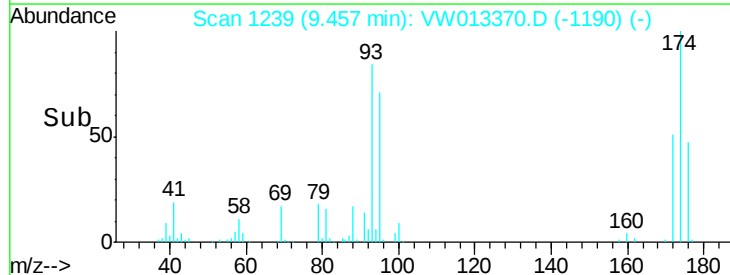
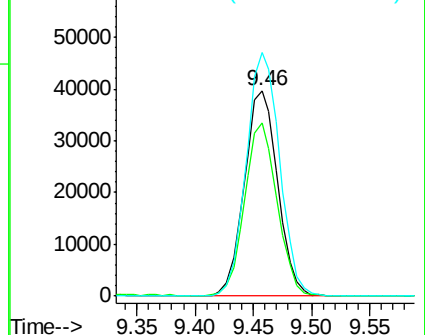
174 118.8 95.0 142.6

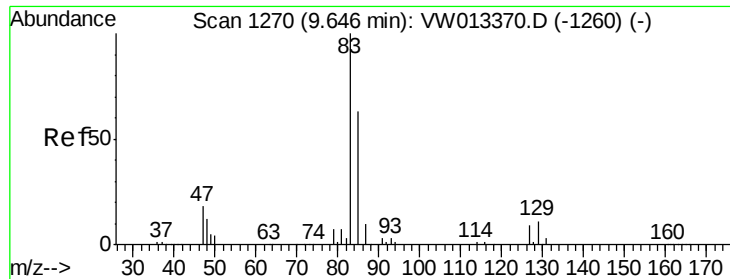


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





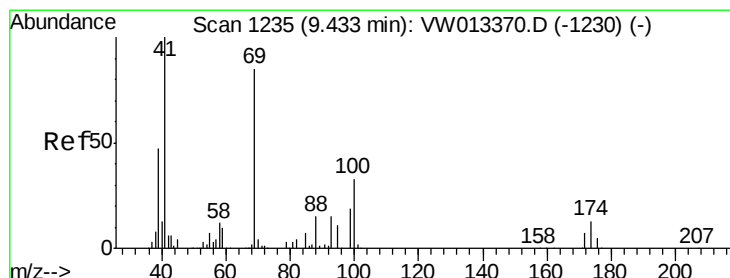
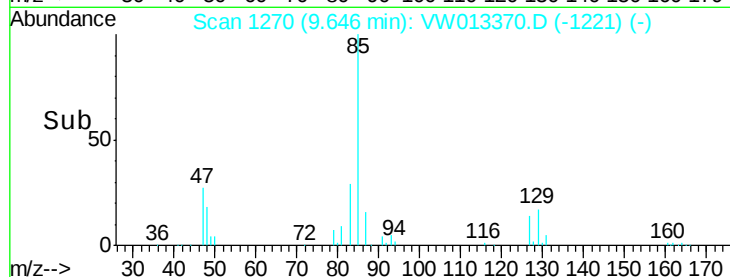
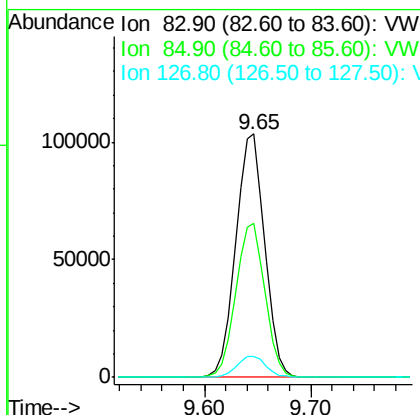
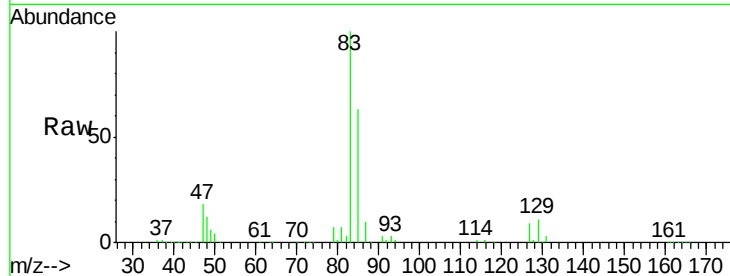
#47
 Bromodichloromethane
 Concen: 46.573 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	83	Resp	197497
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	50.4	75.6
127	8.8	7.0	10.6

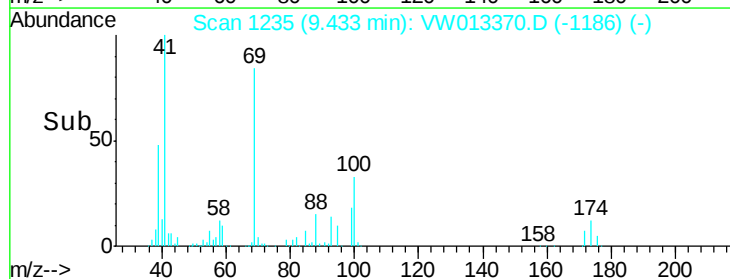
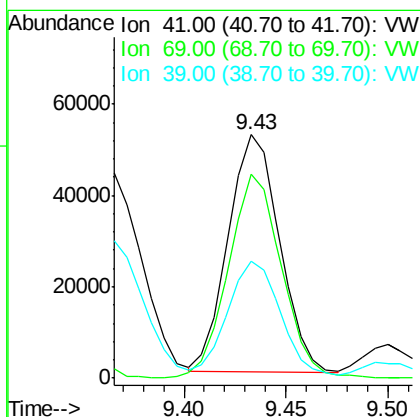
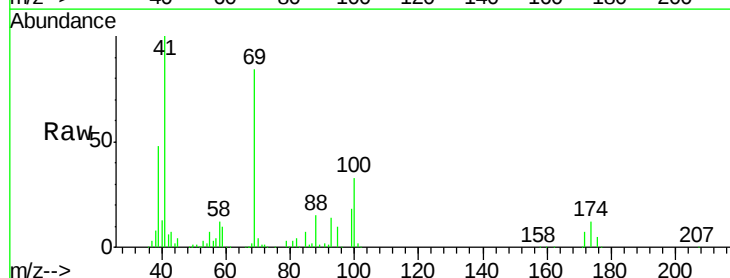
Manual Integrations
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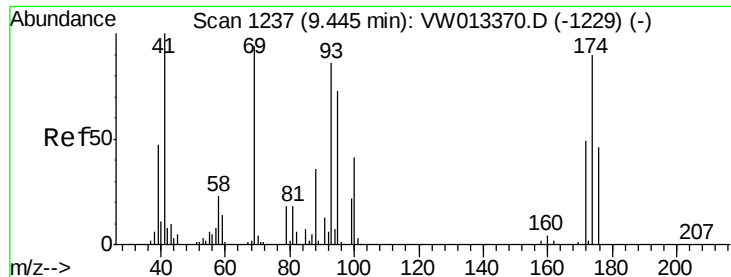
MMDadoda
 10/7/2019 8:22:43 AM



#48
 Methyl methacrylate
 Concen: 44.949 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Tgt Ion	41	Resp	90688
Ion Ratio	100	Lower	Upper
41	100		
69	88.5	70.8	106.2
39	48.9	39.1	58.7





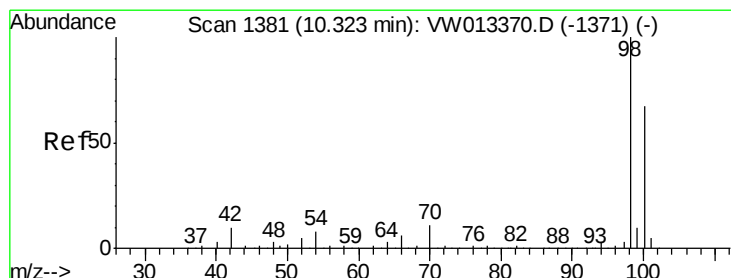
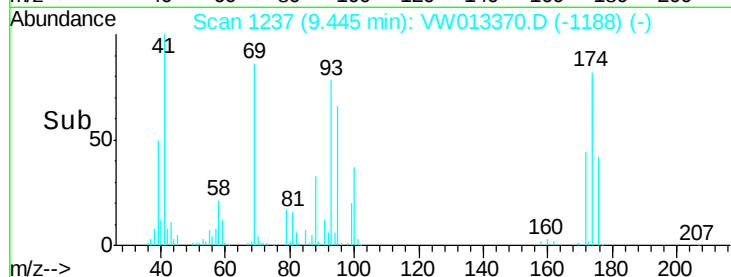
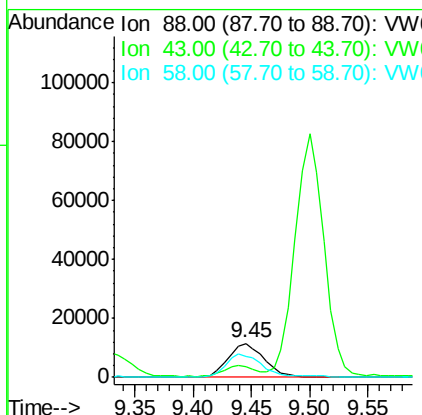
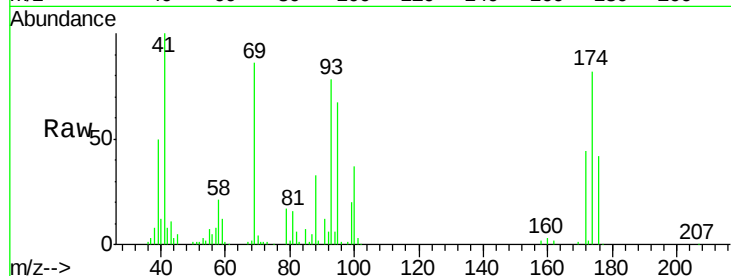
#49
1,4-Dioxane
Concen: 789.949 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	88	Resp	24706
Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.1	34.7
58	71.6	57.3	85.9

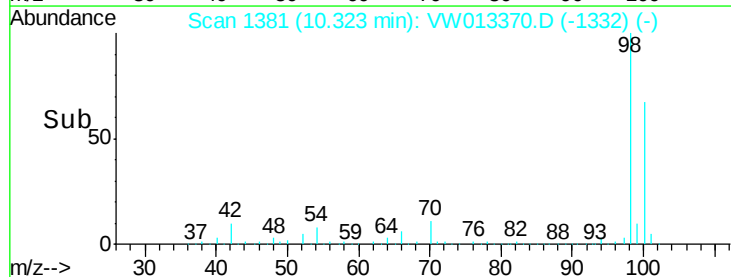
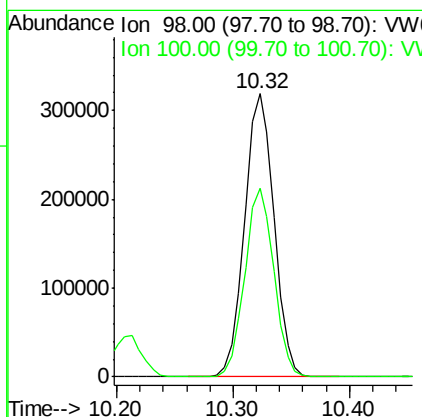
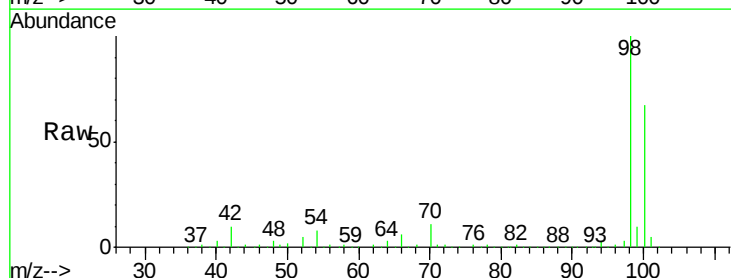
Manual Integrations
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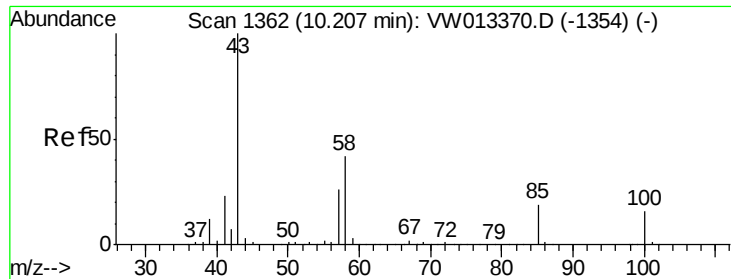
MMDadoda
10/7/2019 8:22:43 AM



#50
Toluene-d8
Concen: 47.220 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	98	Resp	562309
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 206.094 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 479723

Ion Ratio Lower Upper

43 100

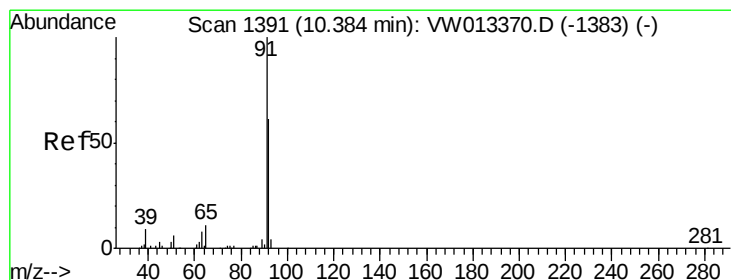
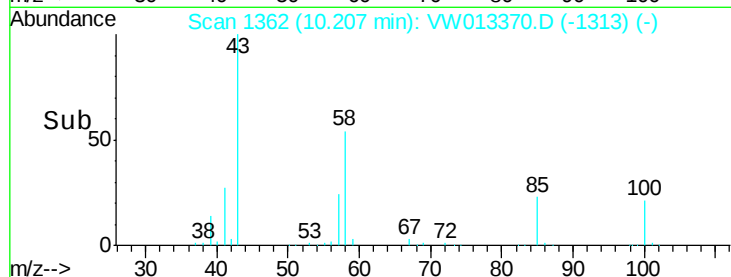
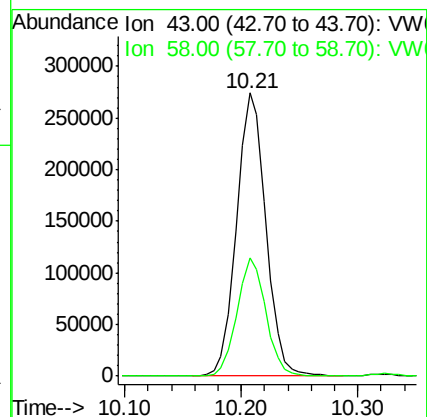
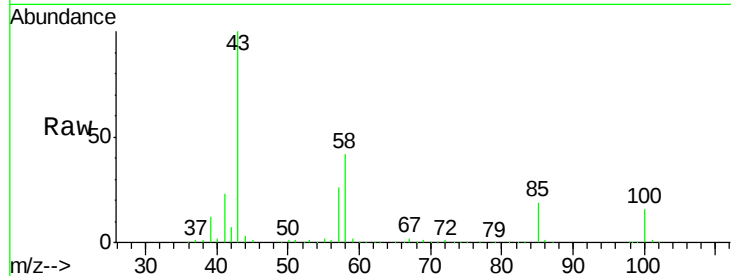
58 41.1 32.9 49.3

Manual Integrations

APPROVED

MMDadoda

10/7/2019 8:22:43 AM



#52

Toluene

Concen: 45.673 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013370.D

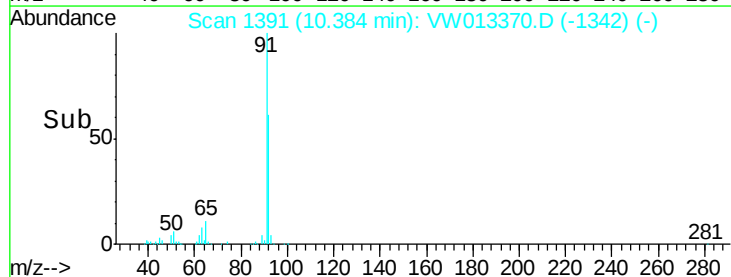
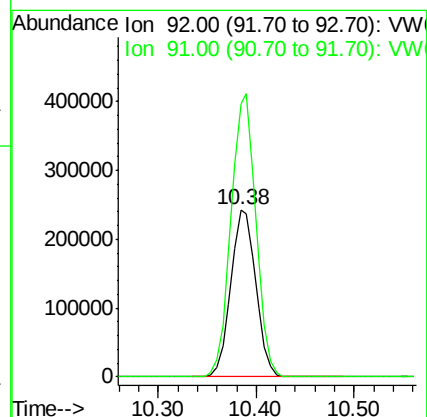
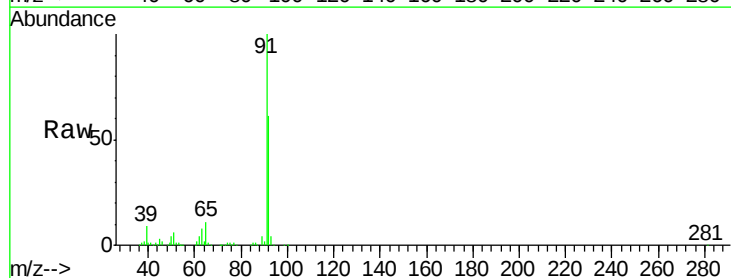
Acq: 01 Oct 2019 14:20

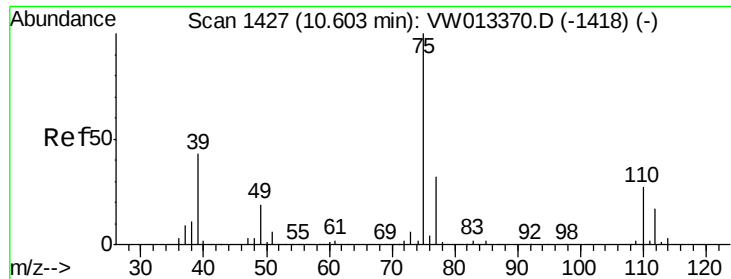
Tgt Ion: 92 Resp: 429915

Ion Ratio Lower Upper

92 100

91 168.5 134.8 202.2





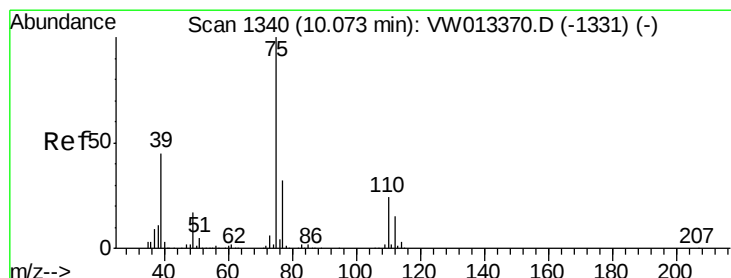
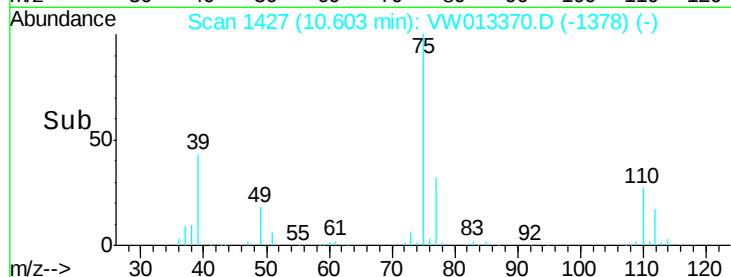
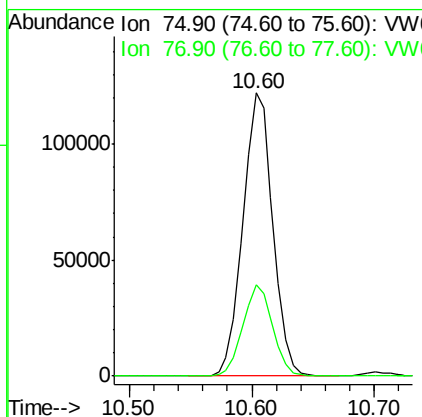
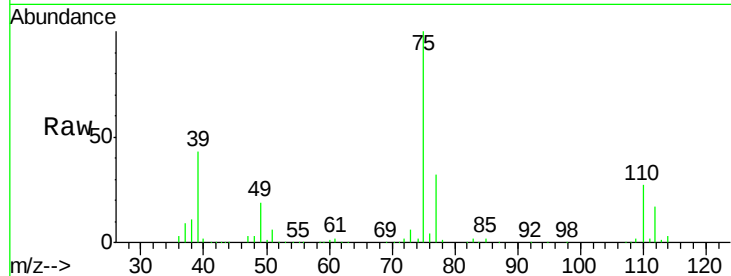
#53
t-1,3-Dichloropropene
Concen: 48.220 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4

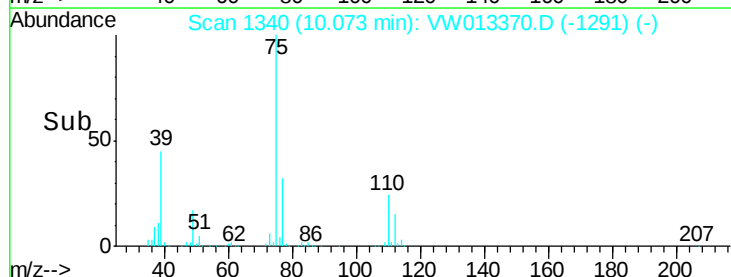
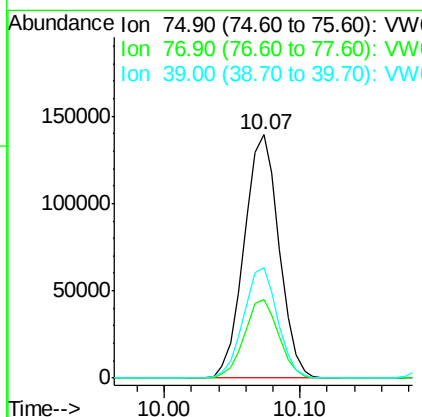
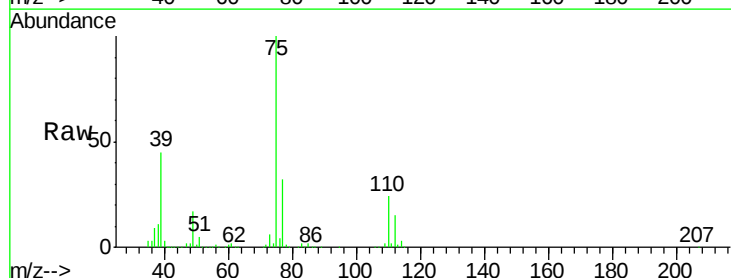
Manual Integrations
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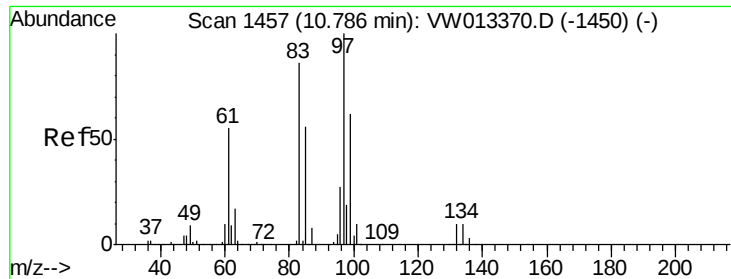
MMDadoda
10/7/2019 8:22:43 AM



#54
cis-1,3-Dichloropropene
Concen: 47.544 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8
39	45.4	36.3	54.5





#55

1,1,2-Trichloroethane

Concen: 44.457 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 115796

Ion Ratio Lower Upper

97 100

83 86.5 69.2 103.8

85 55.6 44.5 66.7

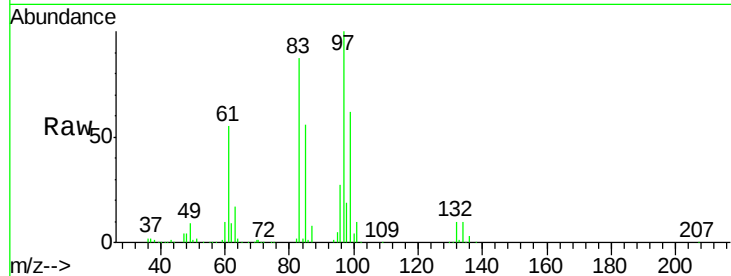
99 61.9 49.5 74.3

Manual Integrations

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MMDadoda

10/7/2019 8:22:43 AM



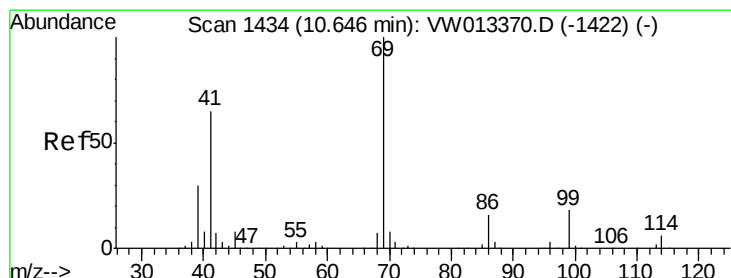
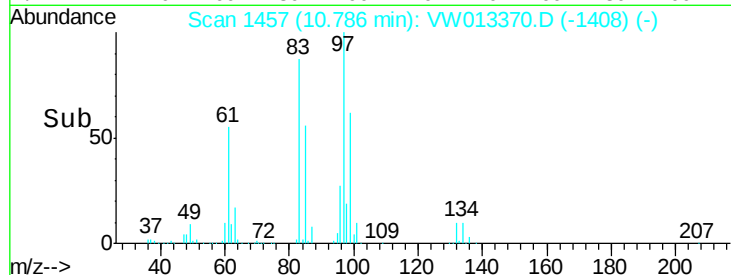
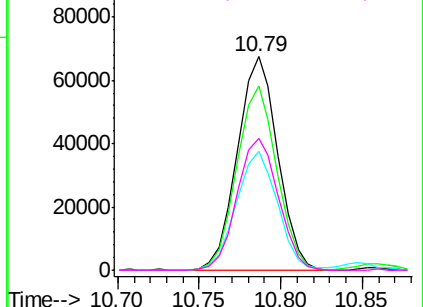
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 46.887 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

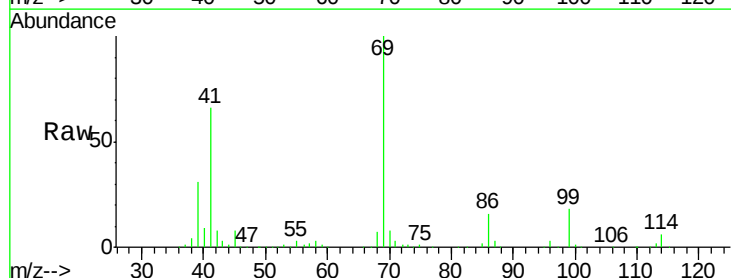
Tgt Ion: 69 Resp: 160718

Ion Ratio Lower Upper

69 100

41 66.8 53.4 80.2

39 27.9 22.3 33.5

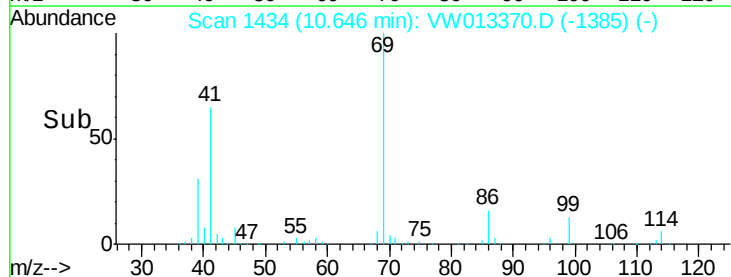
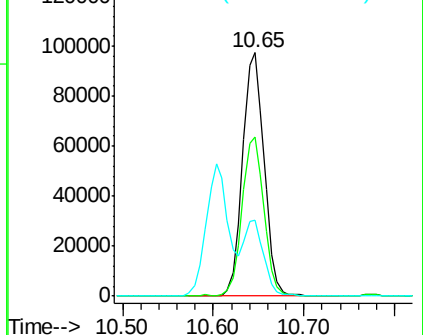


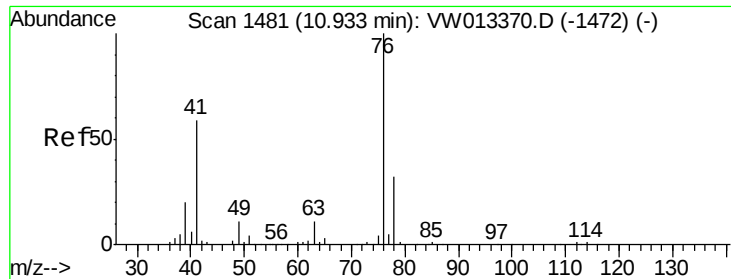
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





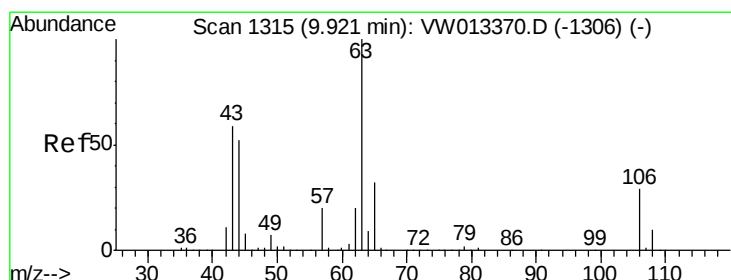
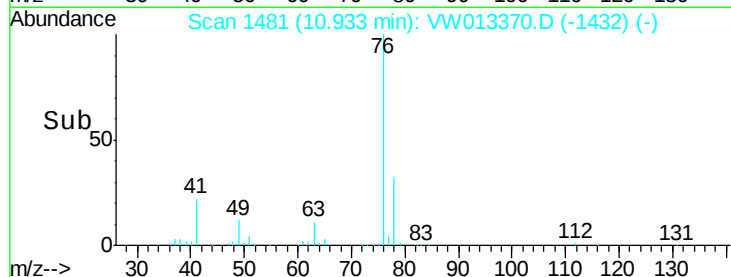
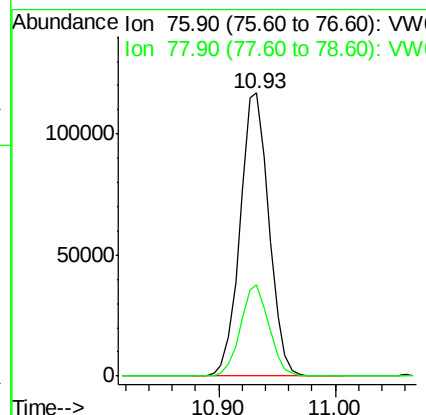
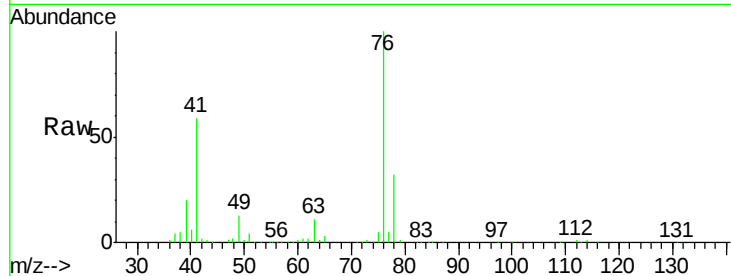
#57
 1,3-Dichloropropane
 Concen: 44.101 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 202082
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

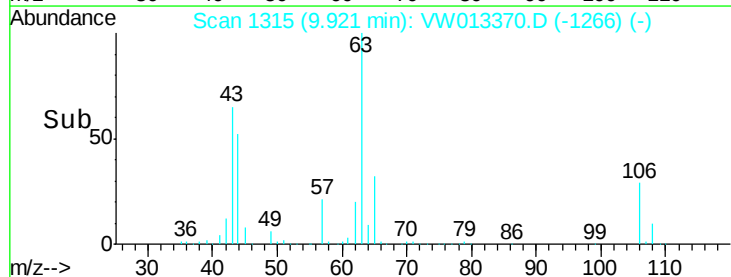
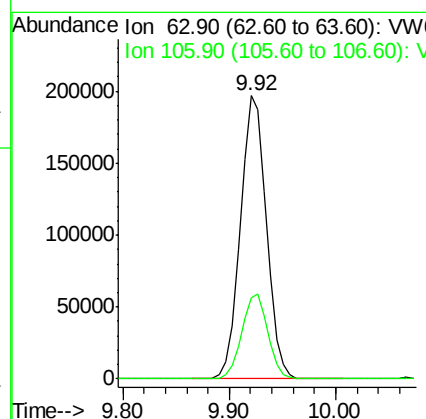
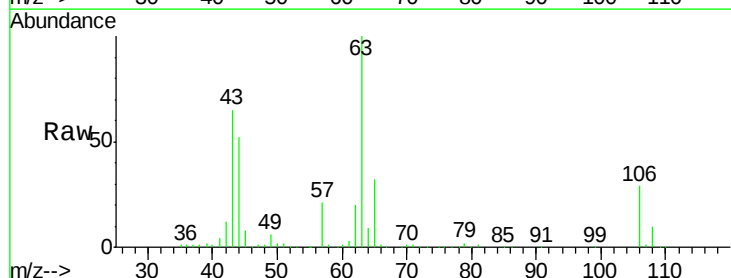
Manual Integrations
 APPROVED

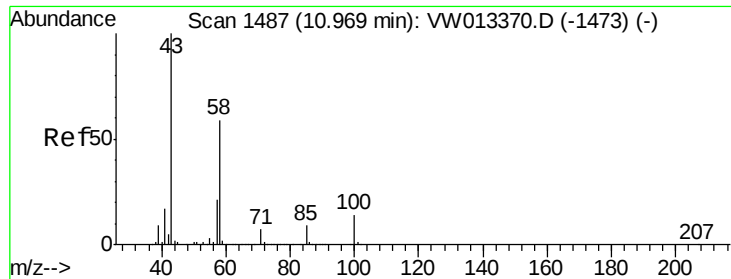
MMDadoda
 10/7/2019 8:22:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.853 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Tgt Ion: 63 Resp: 337767
 Ion Ratio Lower Upper
 63 100
 106 30.0 24.0 36.0





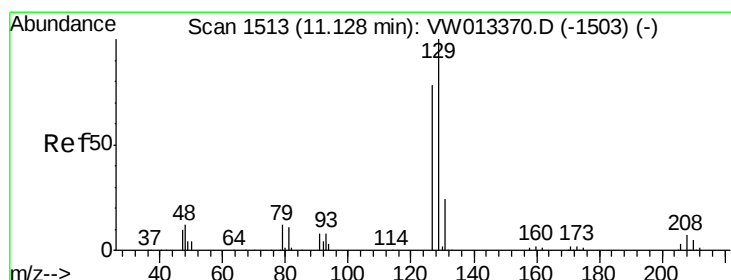
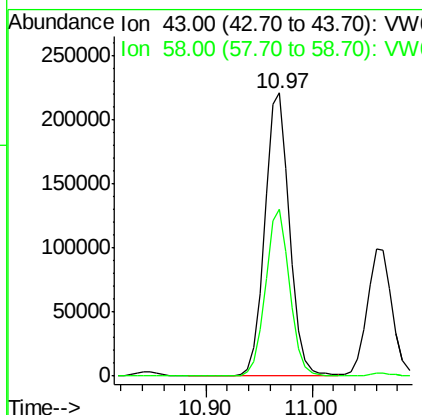
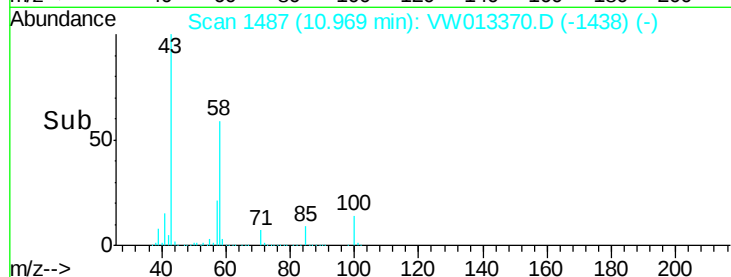
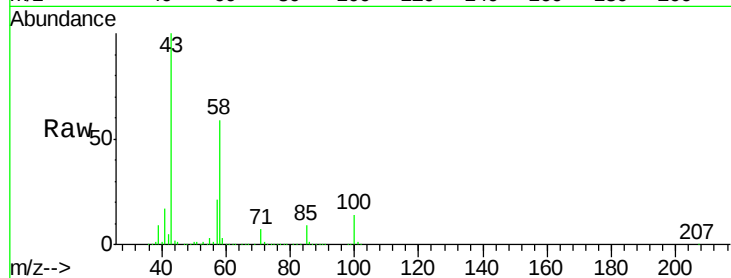
#59
2-Hexanone
Concen: 230.196 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 357548
Ion Ratio Lower Upper
43 100
58 57.7 28.8 86.5

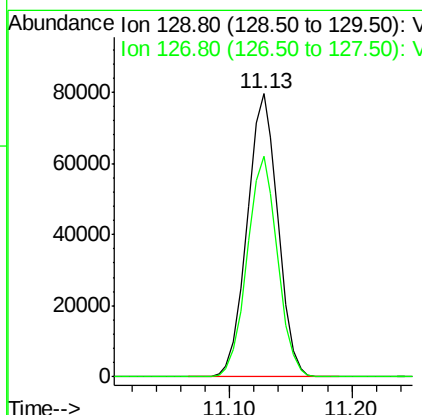
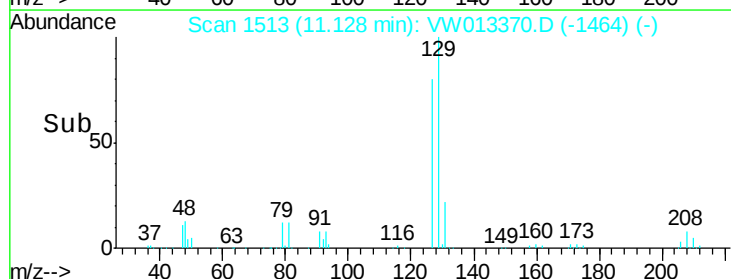
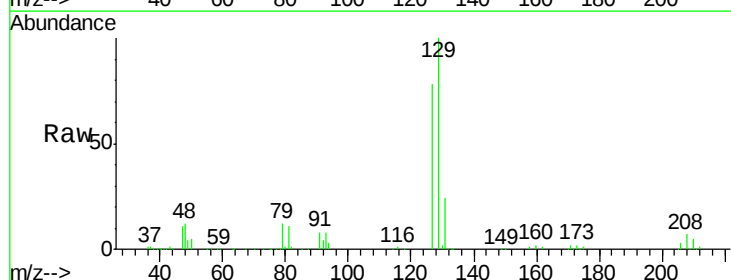
Manual Integrations
APPROVED

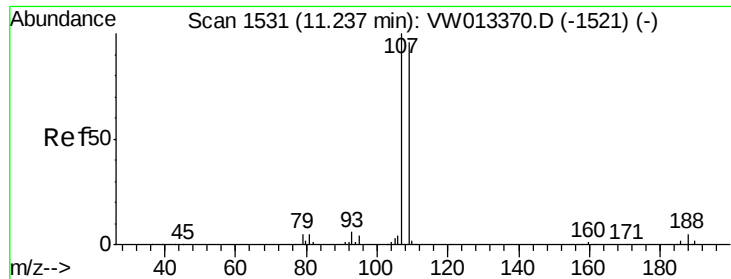
MMDadoda
10/7/2019 8:22:43 AM



#60
Dibromochloromethane
Concen: 48.215 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion: 129 Resp: 139079
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.7





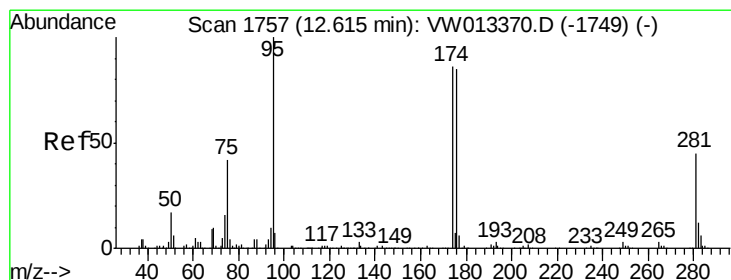
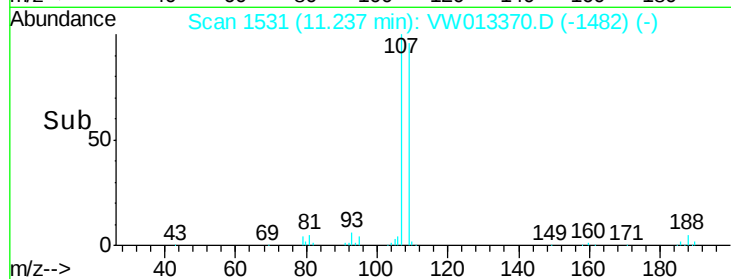
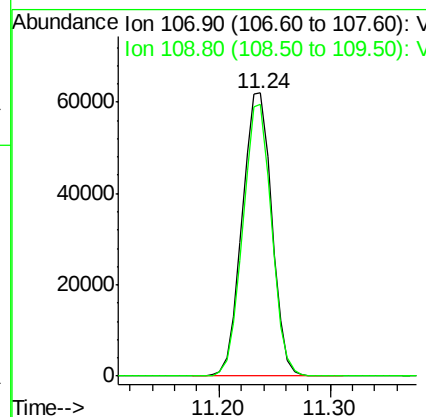
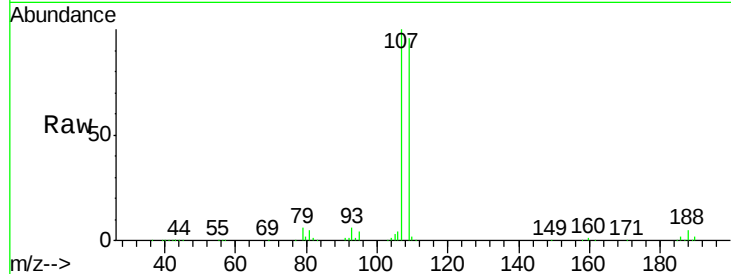
#61
 1,2-Dibromoethane
 Concen: 44.990 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.6	112.0

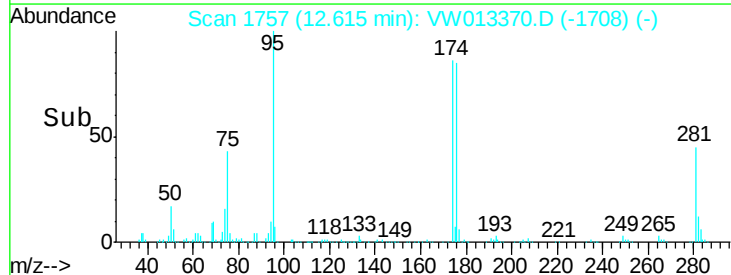
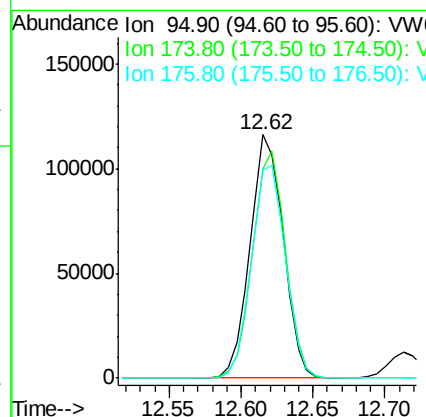
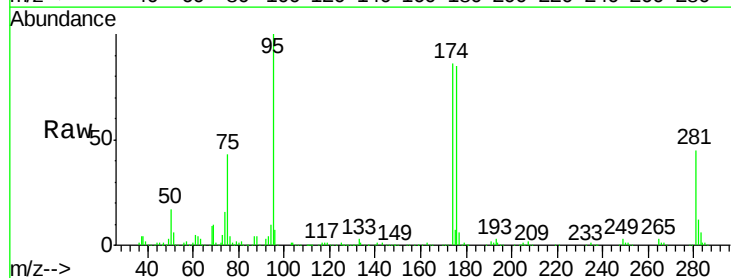
Manual Integrations
 APPROVED

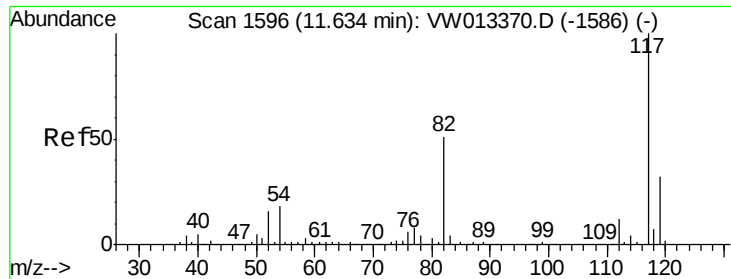
MMDadoda
 10/7/2019 8:22:43 AM



#62
 4-Bromofluorobenzene
 Concen: 46.760 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	184.6
176	89.2	0.0	178.4





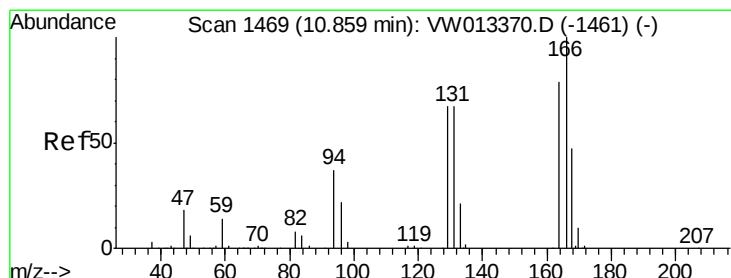
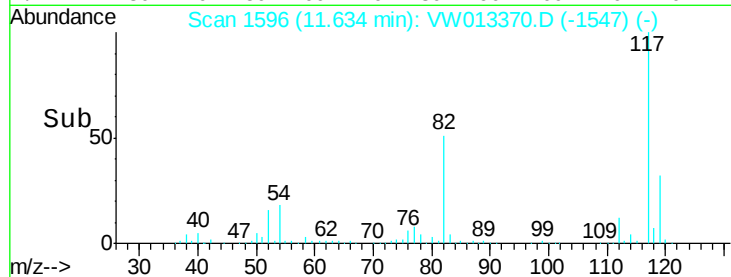
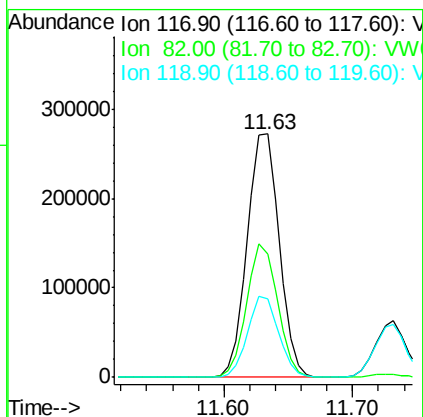
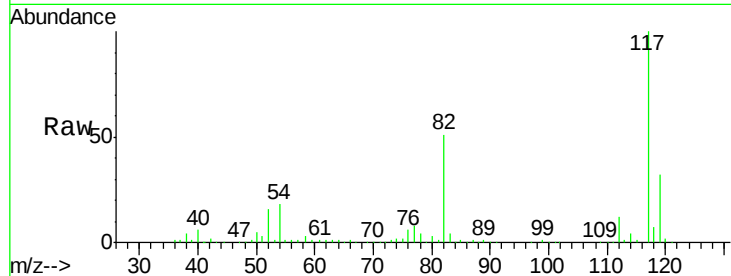
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	40.5	60.7
119	32.4	25.9	38.9

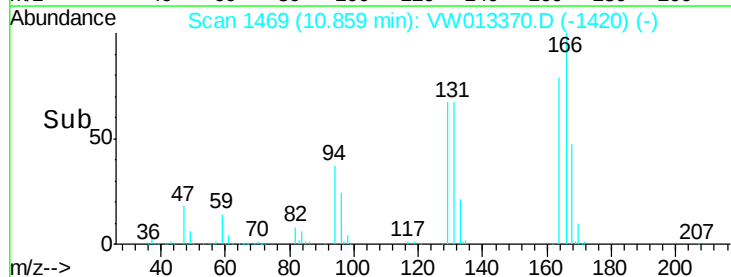
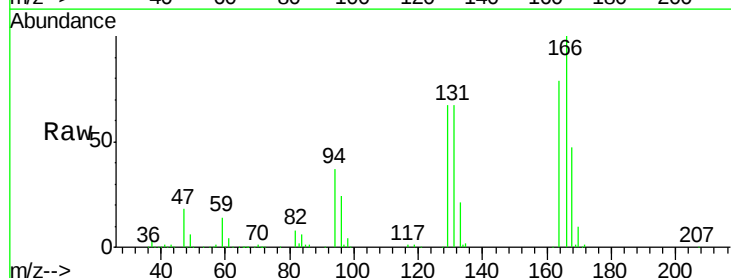
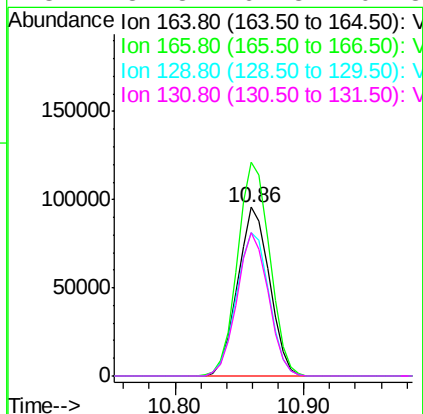
Manual Integrations
APPROVED

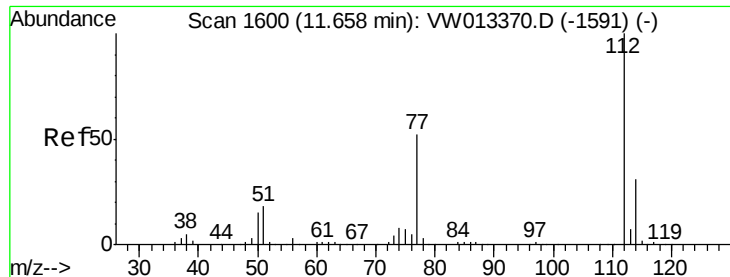
MMDadoda
10/7/2019 8:22:43 AM



#64
Tetrachloroethene
Concen: 43.862 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.4	152.2
129	85.0	68.0	102.0
131	84.8	67.8	101.8





#65

Chlorobenzene

Concen: 44.622 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 447001

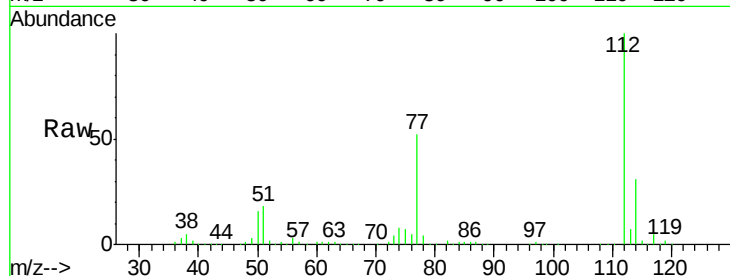
Ion Ratio Lower Upper

112 100

114 31.2 25.0 37.4

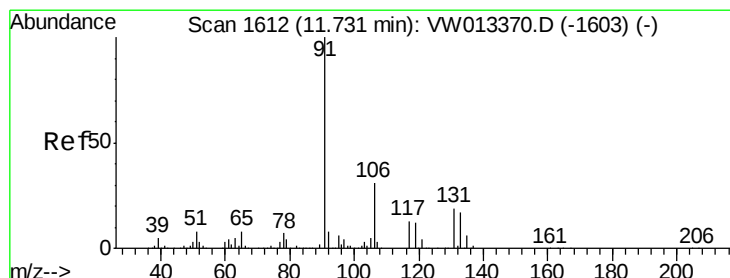
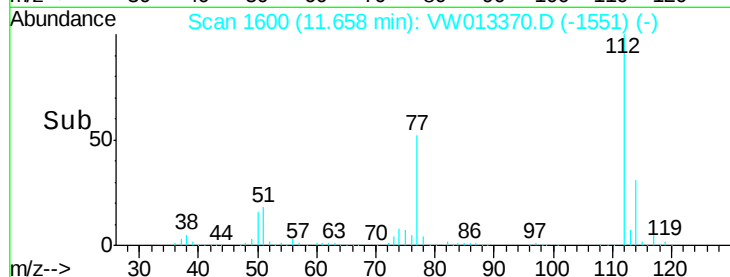
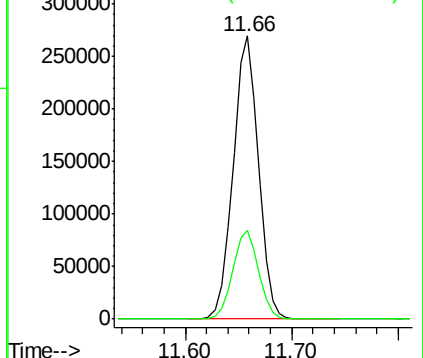
Manual Integrations
APPROVED

MMDadoda
10/7/2019 8:22:43 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.046 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

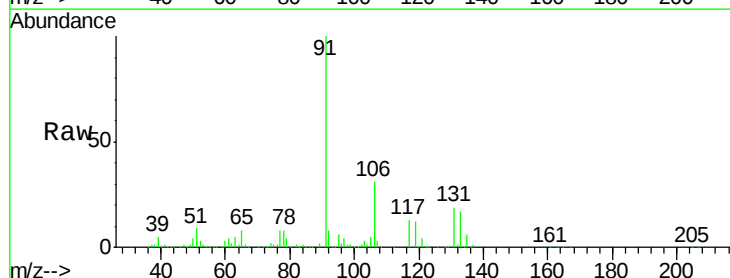
Tgt Ion:131 Resp: 156114

Ion Ratio Lower Upper

131 100

133 95.1 47.5 142.6

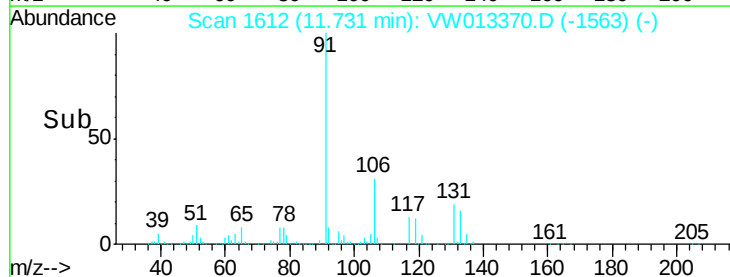
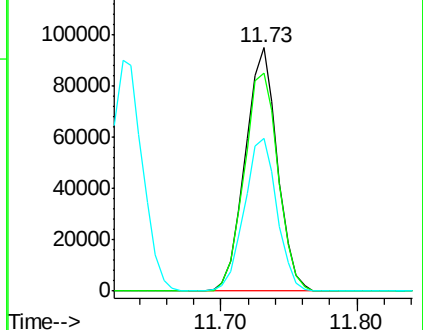
119 63.9 31.9 95.9

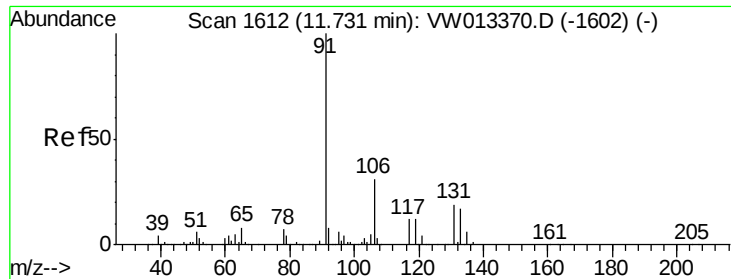


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





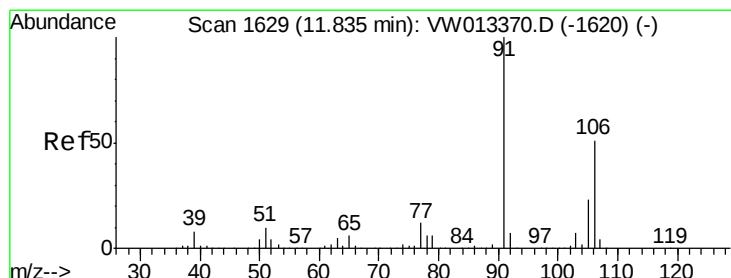
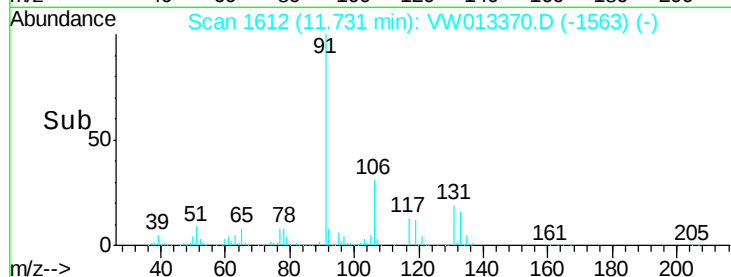
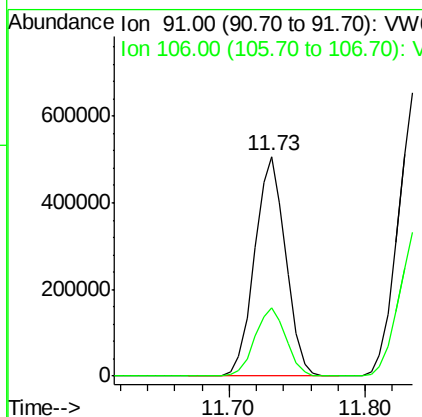
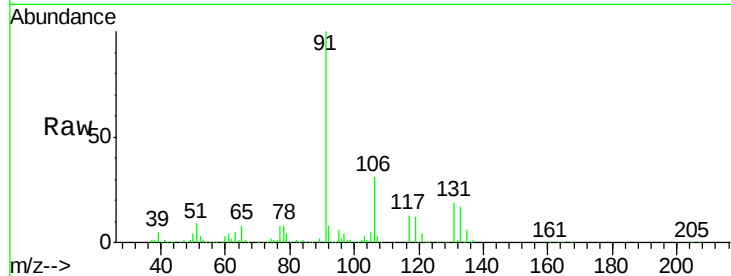
#67
Ethyl Benzene
Concen: 45.170 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 808682
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

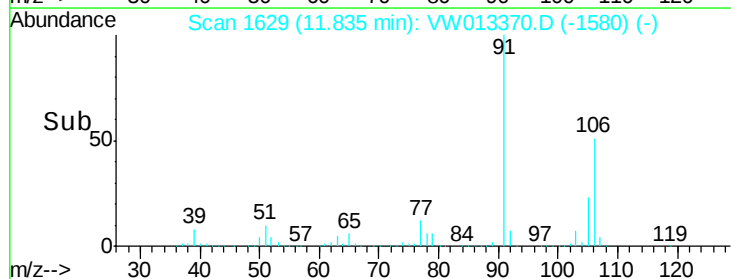
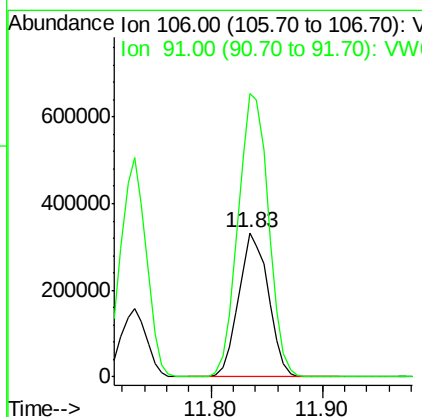
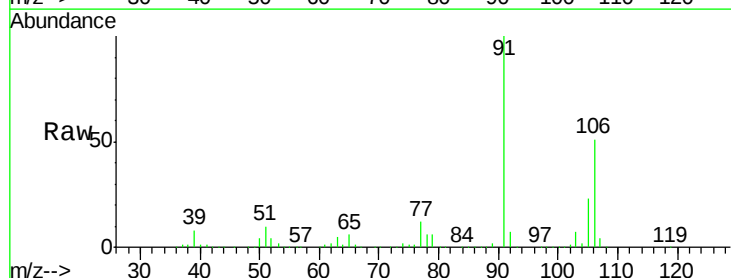
Manual Integrations
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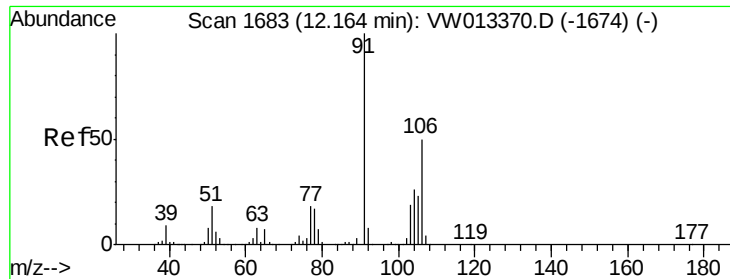
MMDadoda
10/7/2019 8:22:43 AM



#68
m/p-Xylenes
Concen: 88.916 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion: 106 Resp: 616348
Ion Ratio Lower Upper
106 100
91 200.6 160.5 240.7





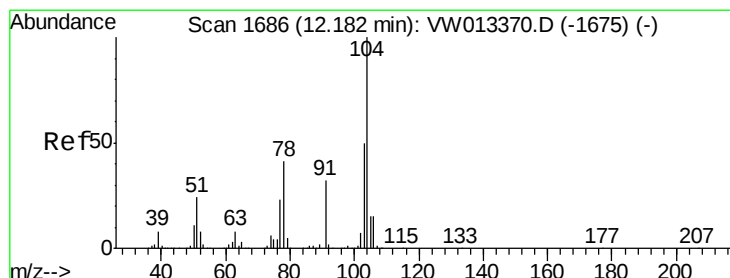
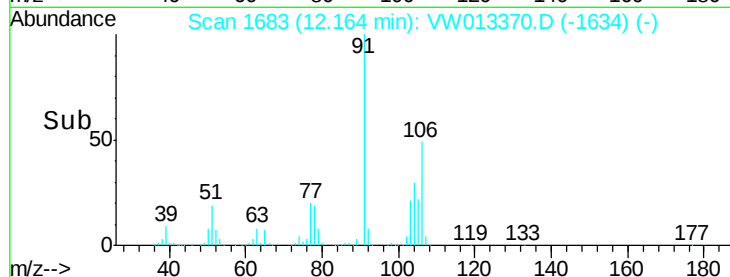
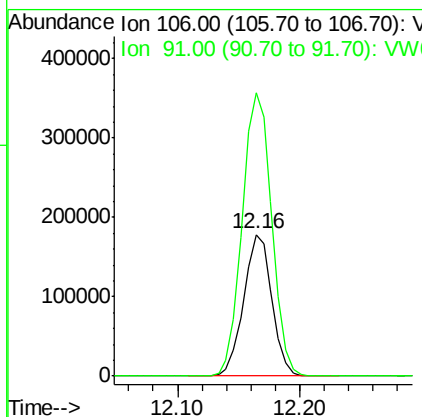
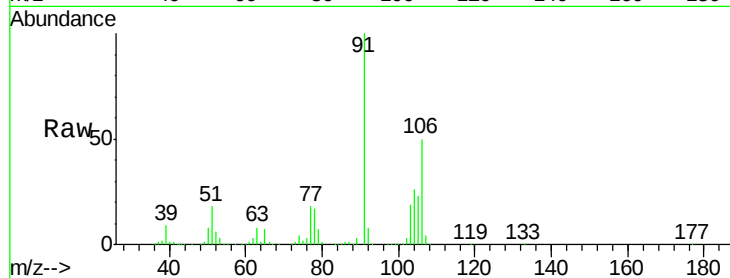
#69
o-Xylene
Concen: 45.209 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		285516		
91	208.7	104.4	313.1		

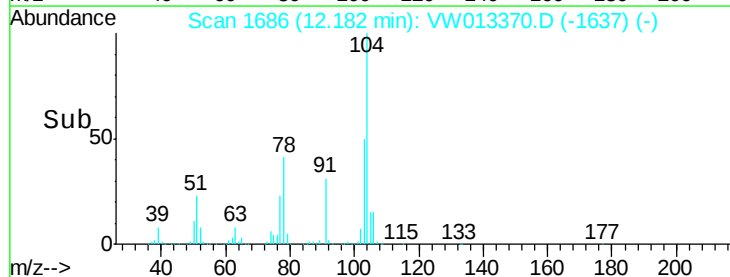
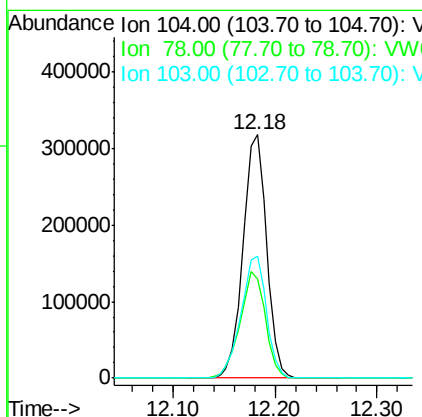
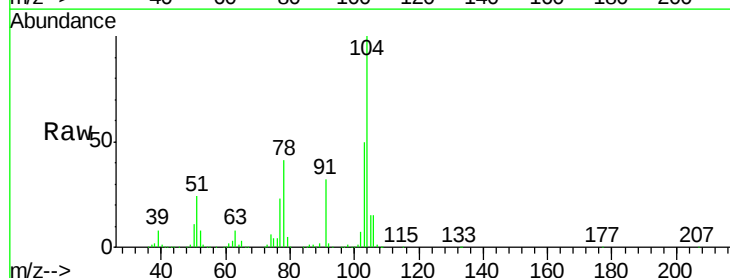
Manual Integrations
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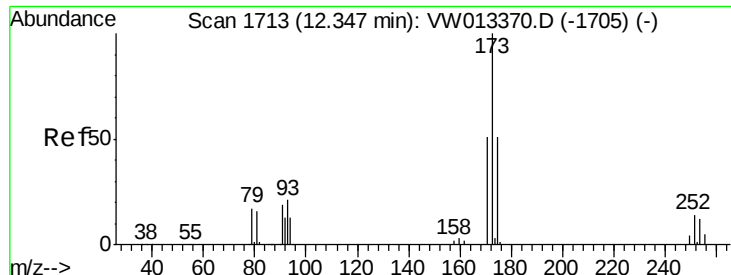
MMDadoda
10/7/2019 8:22:43 AM



#70
Styrene
Concen: 47.063 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		510417		
78	46.8	37.4	56.2		
103	54.0	43.2	64.8		





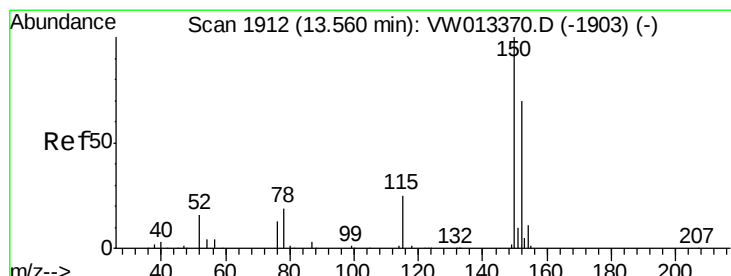
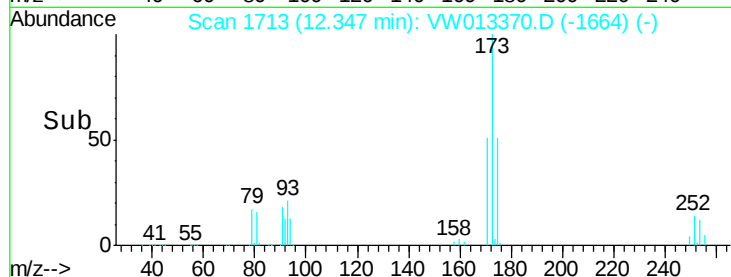
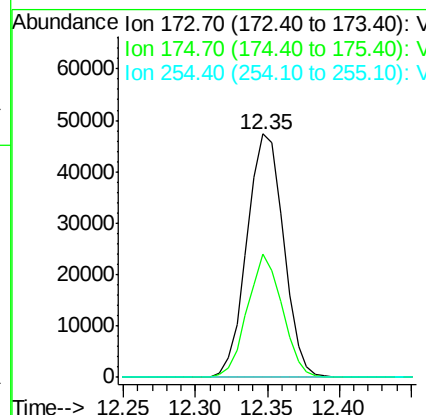
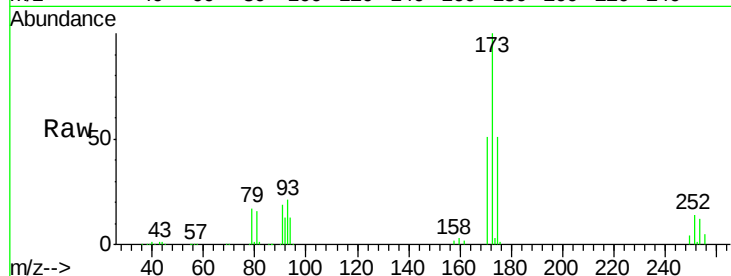
#71
Bromoform
Concen: 46.093 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.0	0.0	0.0

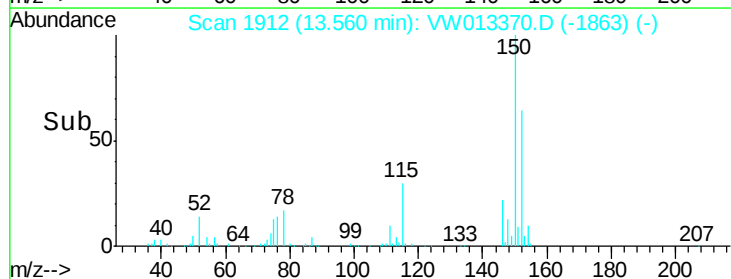
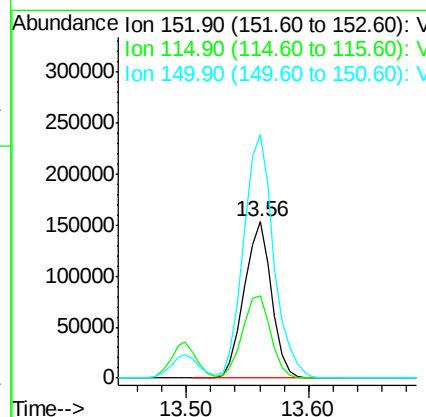
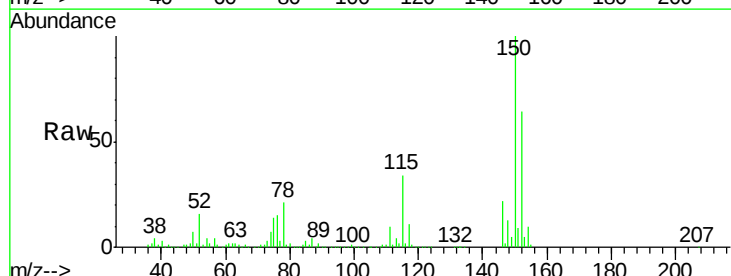
Manual Integrations
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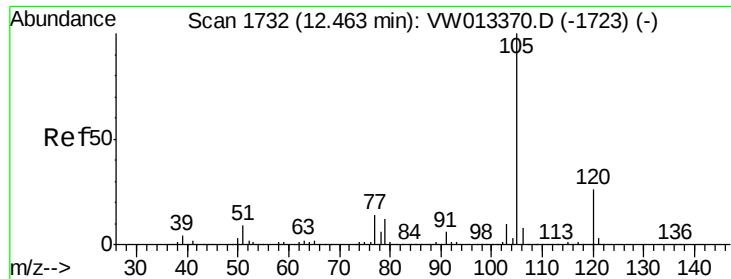
MMDadoda
10/7/2019 8:22:43 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.2	81.5
150	172.3	0.0	344.6





#73

Isopropylbenzene

Concen: 44.903 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 798594

Ion Ratio Lower Upper

105 100

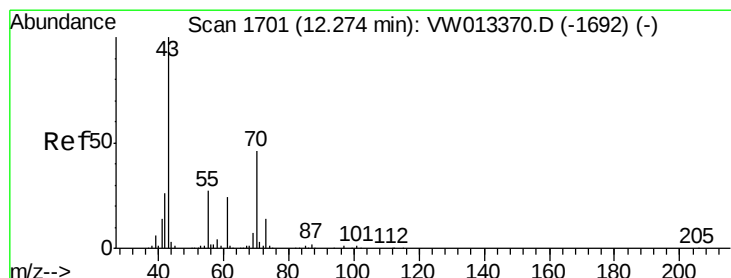
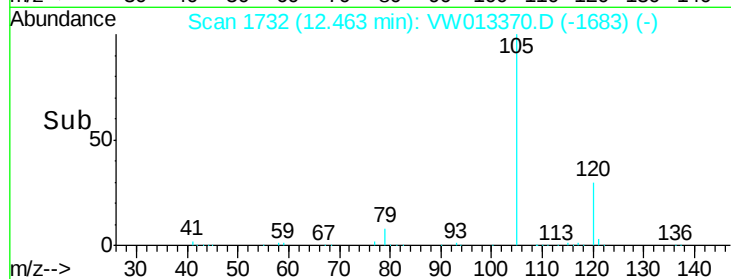
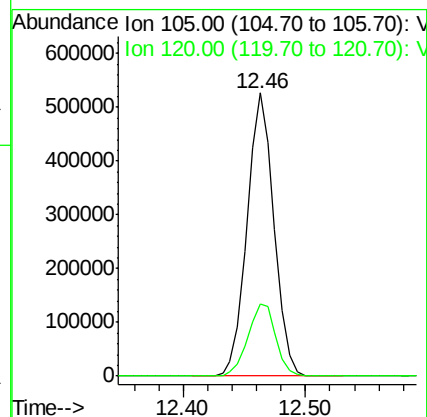
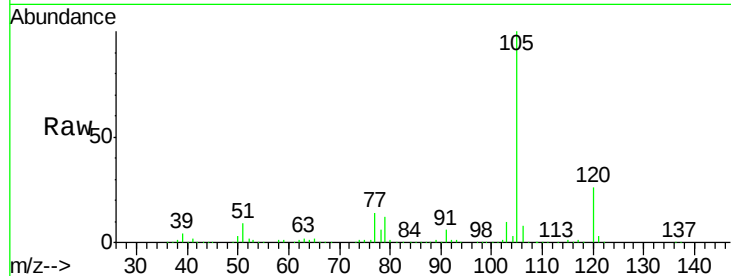
120 26.5 13.3 39.8

Manual Integrations

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MMDadoda

10/7/2019 8:22:43 AM



#74

N-ethyl acetate

Concen: 43.455 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Tgt Ion: 43 Resp: 166706

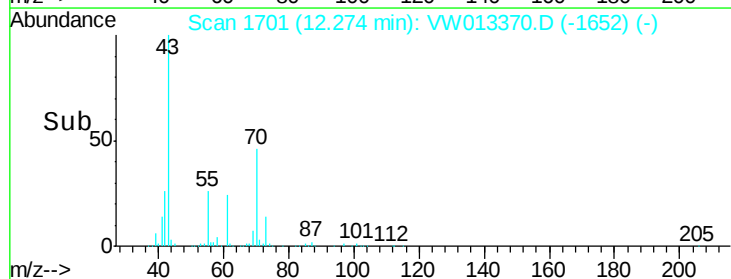
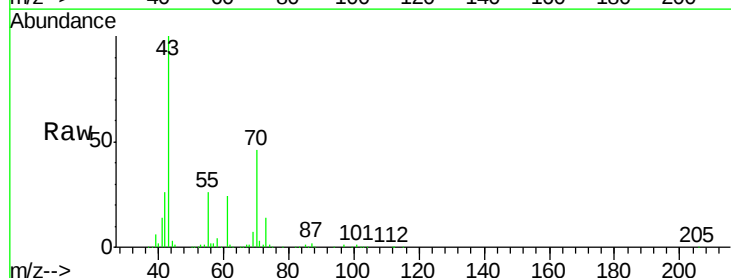
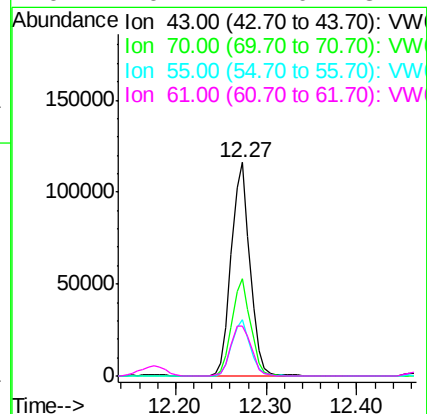
Ion Ratio Lower Upper

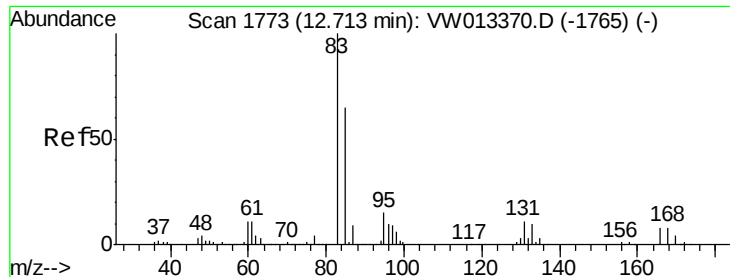
43 100

70 45.8 36.6 55.0

55 26.3 21.0 31.6

61 26.2 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 41.306 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

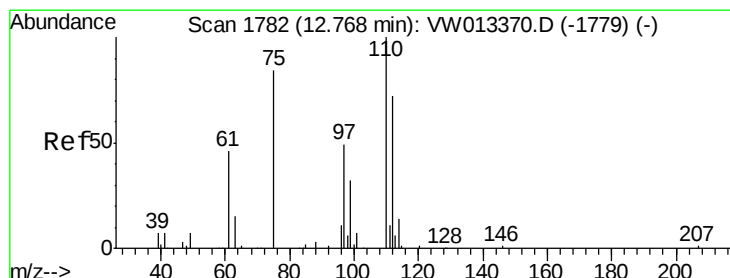
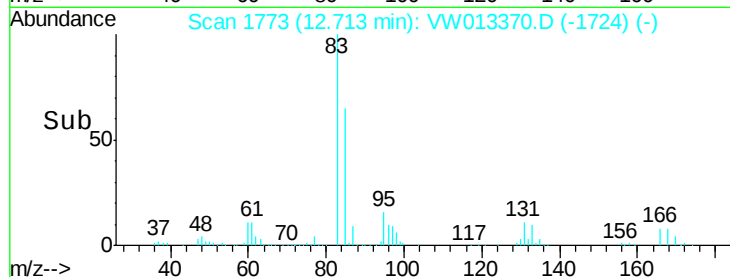
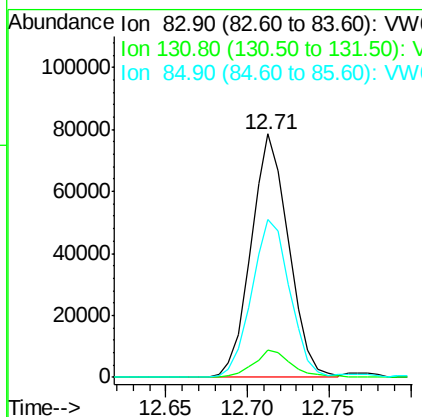
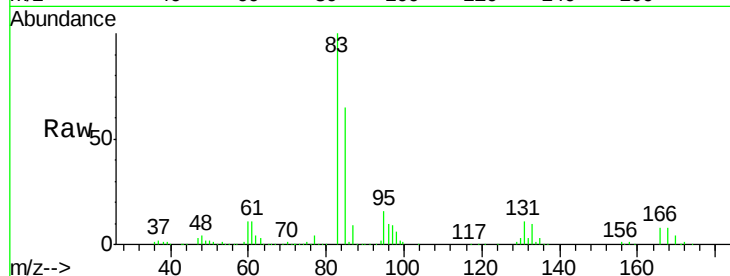
ClientSampled :

VSTDICCC050

Tot Ion:	83	Resp:	126007
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	66.1	33.1	99.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.070 ug/l m

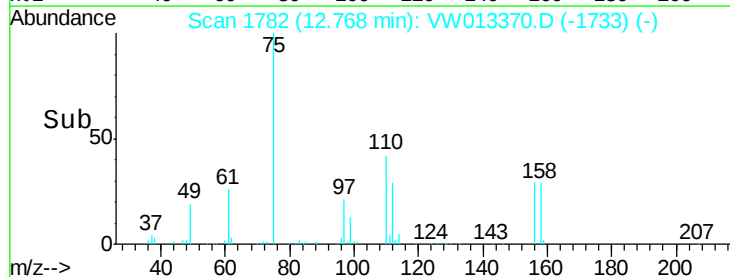
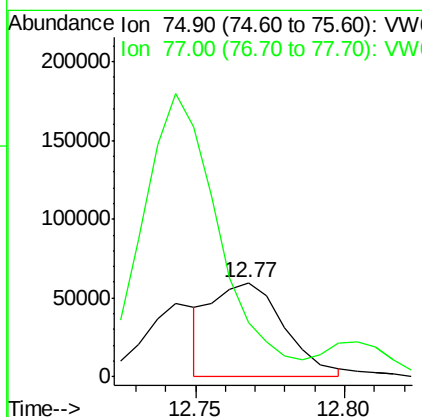
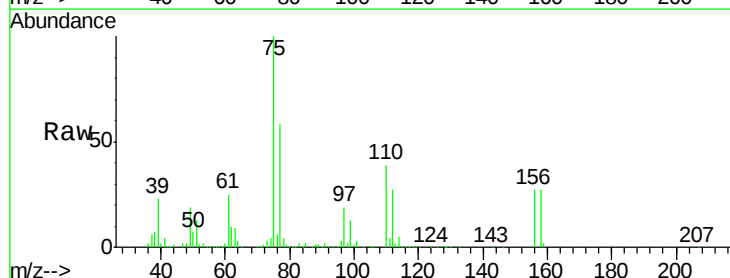
RT: 12.77 min Scan# 1782

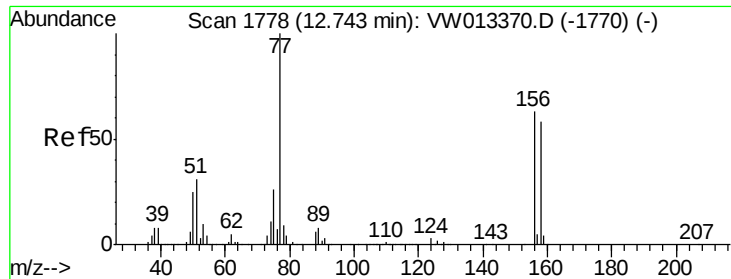
Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Tgt Ion:	75	Resp:	100544
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





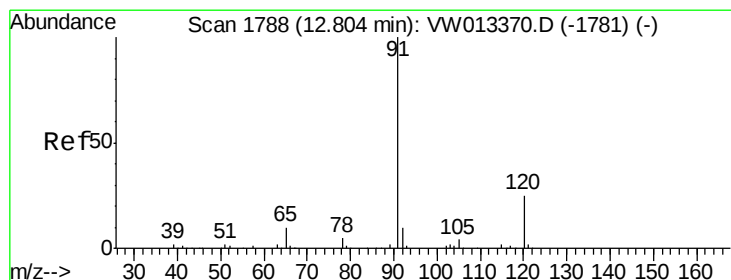
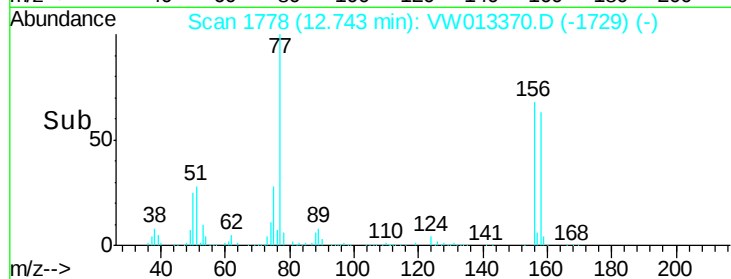
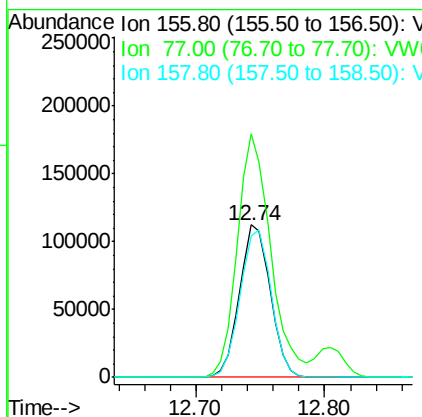
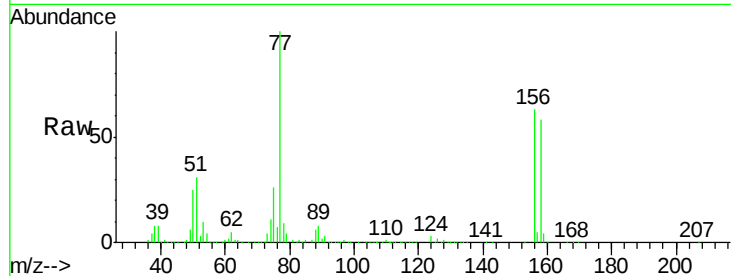
#77
Bromobenzene
Concen: 43.918 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		185914		
77	173.4	86.7	260.1		
158	97.3	48.6	145.9		

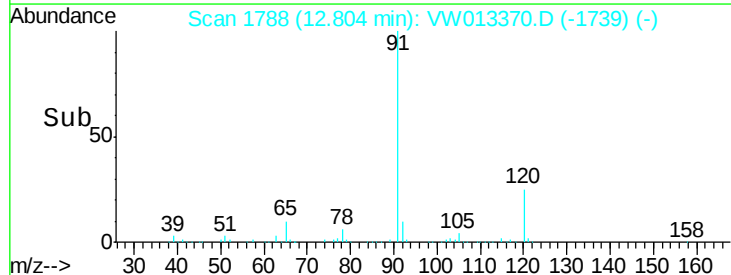
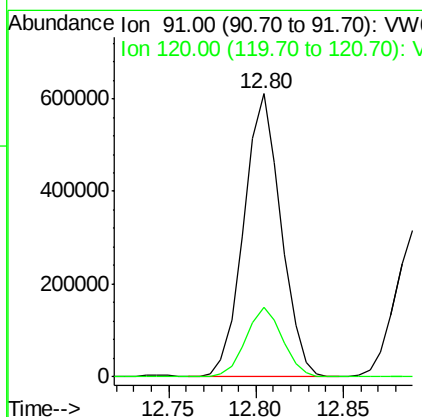
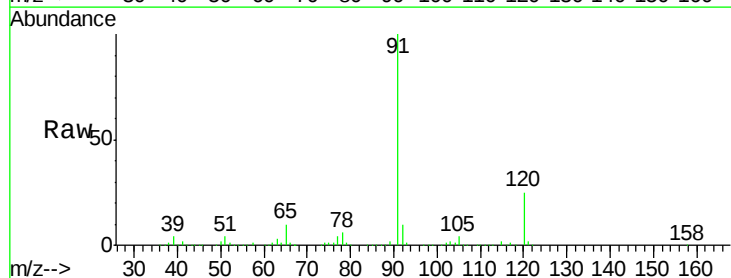
Manual Integrations
APPROVED

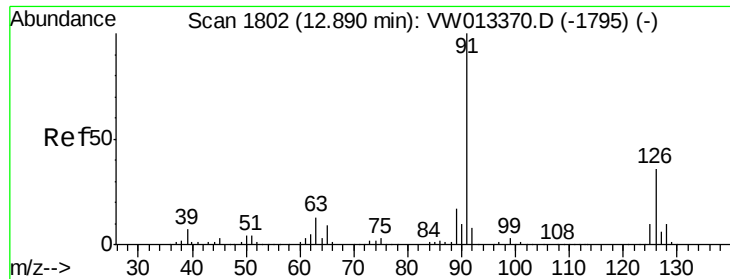
MMDadoda
10/7/2019 8:22:43 AM



#78
n-propylbenzene
Concen: 44.256 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		901511		
120	24.2	12.1	36.3		





#79

2-Chlorotoluene

Concen: 44.479 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 512085

Ion Ratio Lower Upper

91 100

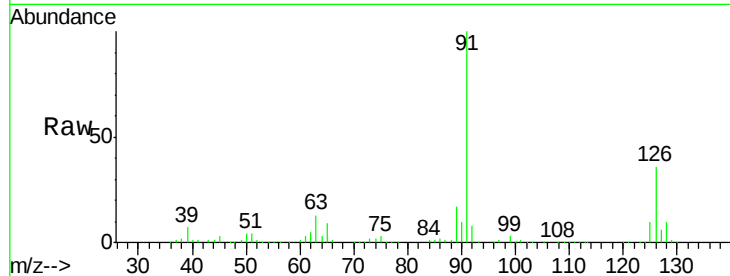
126 35.3 17.6 52.9

Manual Integrations

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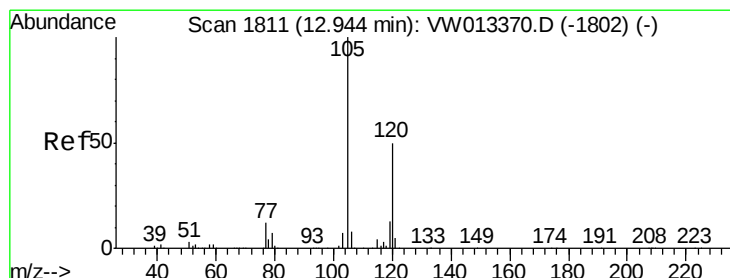
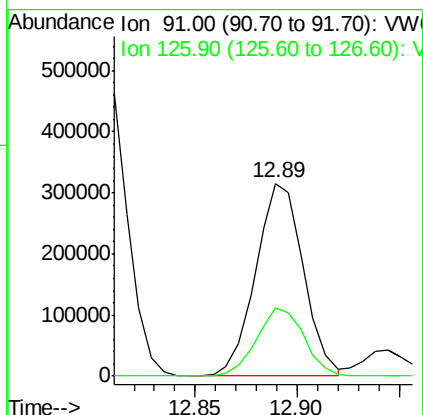
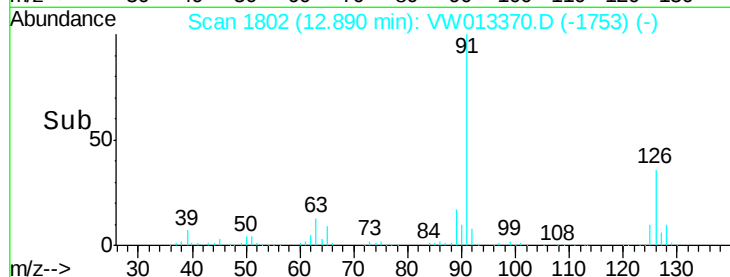
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 45.109 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013370.D

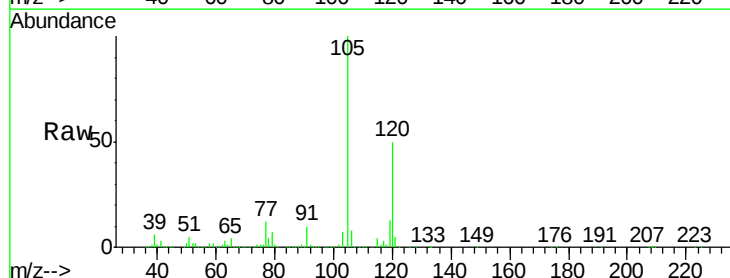
Acq: 01 Oct 2019 14:20

Tgt Ion:105 Resp: 675308

Ion Ratio Lower Upper

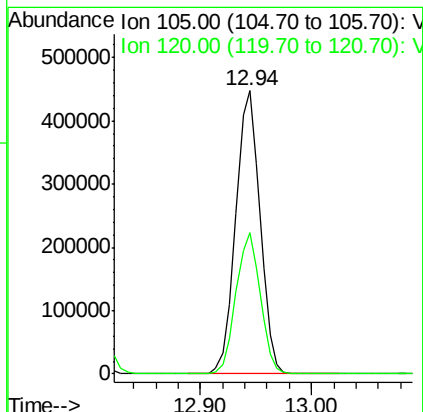
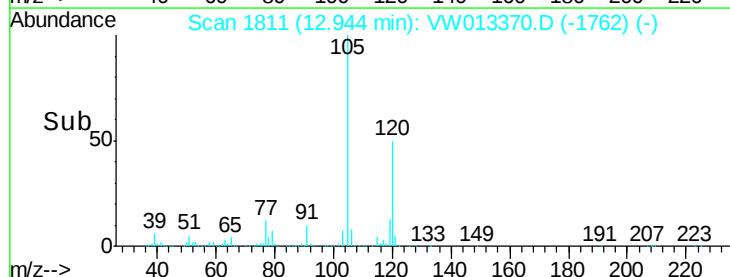
105 100

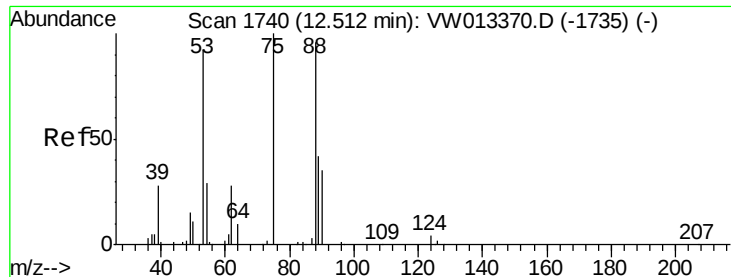
120 49.9 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





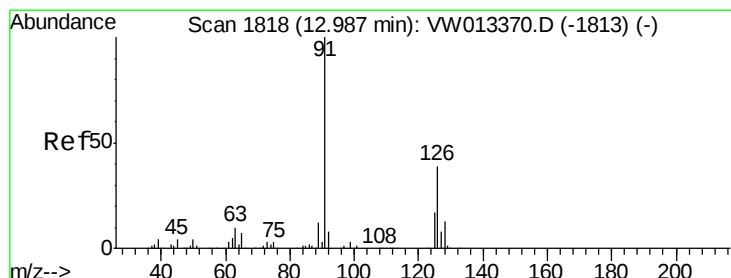
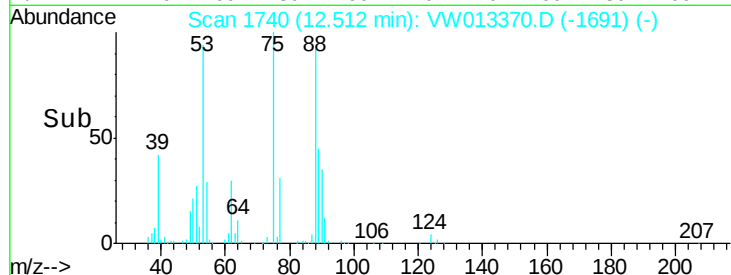
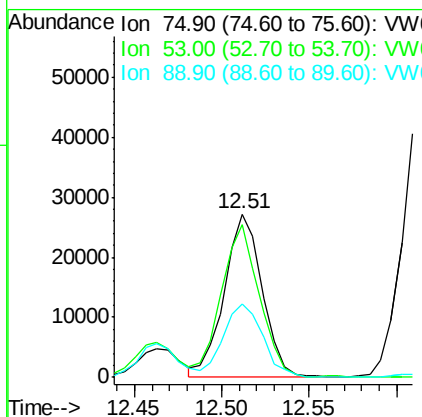
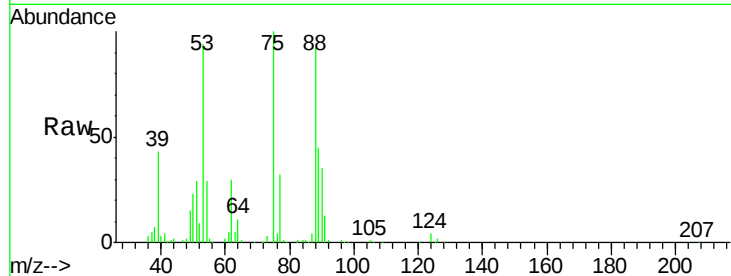
#81
trans-1,4-Dichloro-2-butene
Concen: 44.416 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	75.0	112.6
89	47.0	37.6	56.4

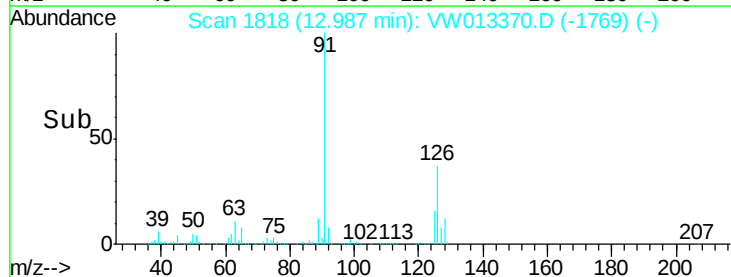
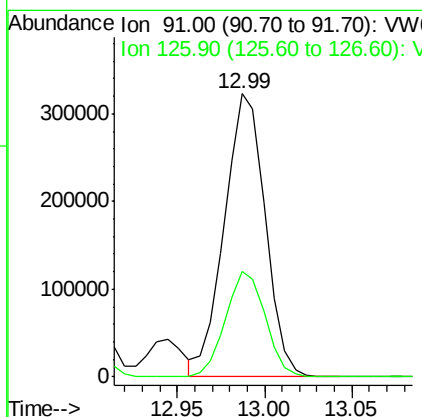
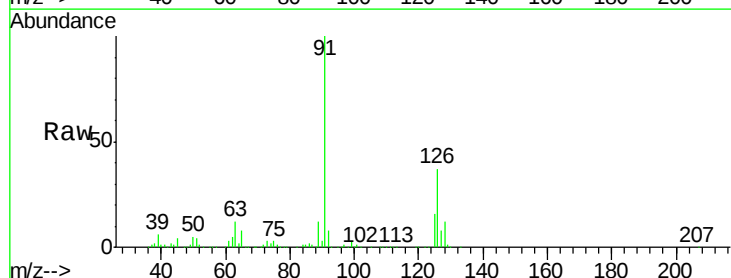
Manual Integrations
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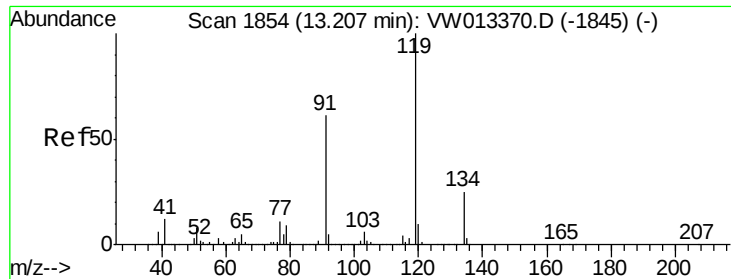
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#82
4-Chlorotoluene
Concen: 44.082 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.1	54.4





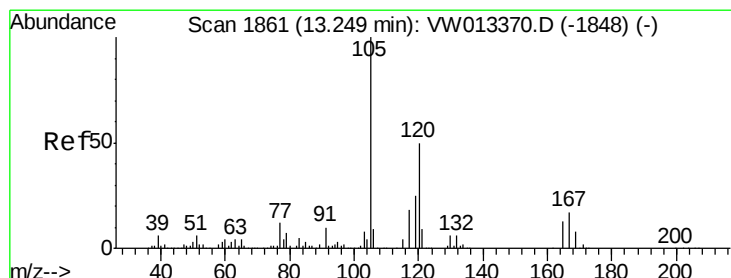
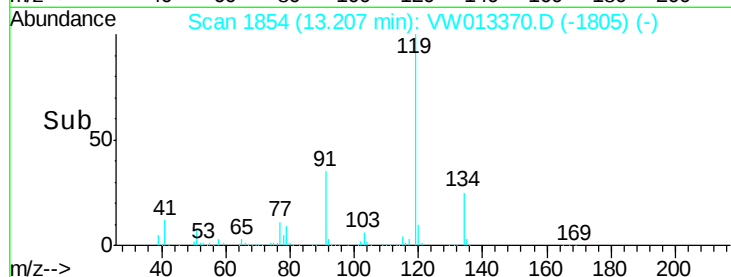
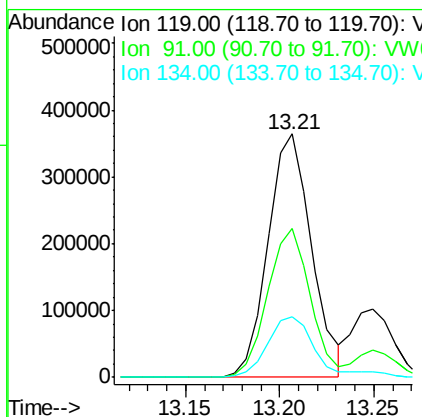
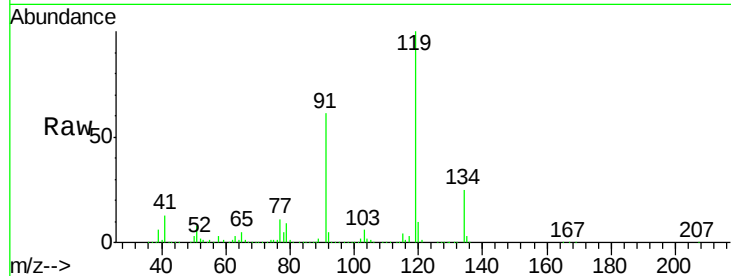
#83
tert-Butylbenzene
Concen: 44.390 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	29.9	89.7
134	27.7	13.9	41.6

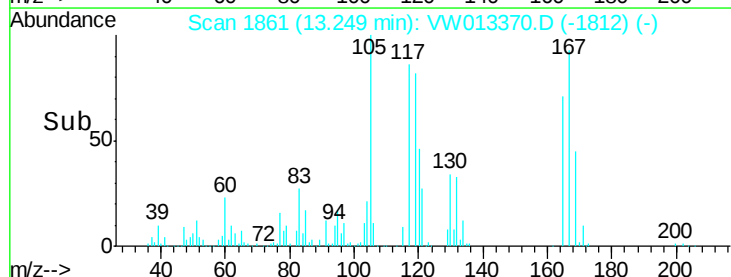
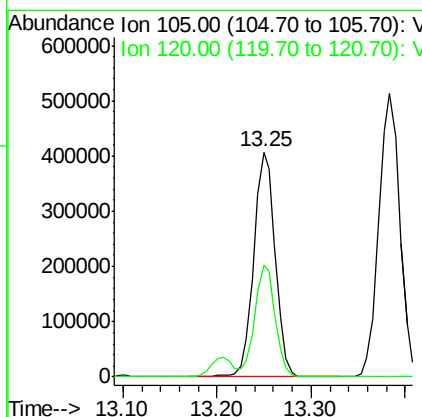
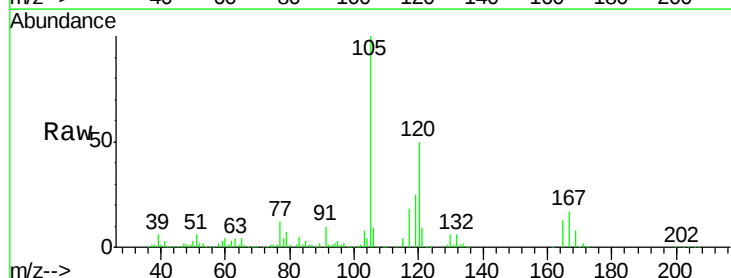
Manual Integrations
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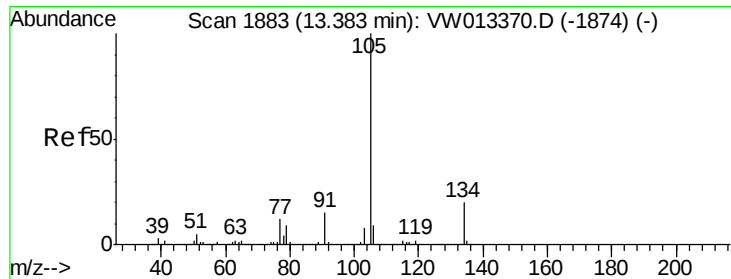
MMDadoda
10/7/2019 8:22:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 43.996 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8





#85

sec-Butylbenzene

Concen: 43.754 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 794672

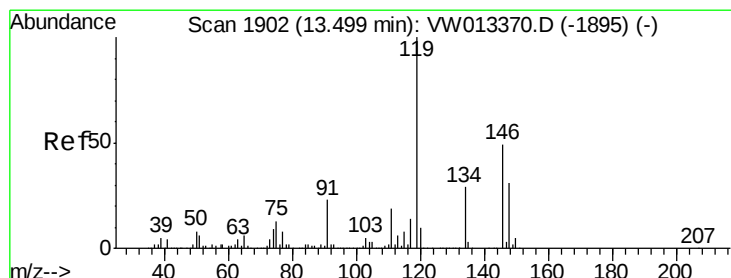
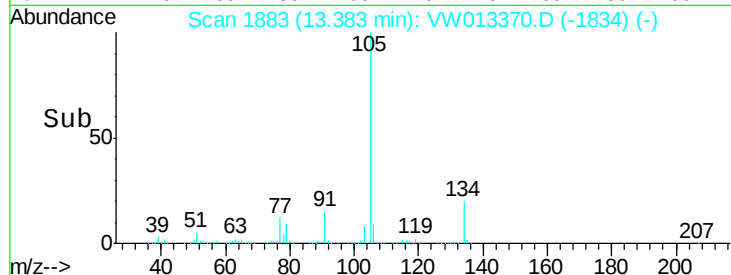
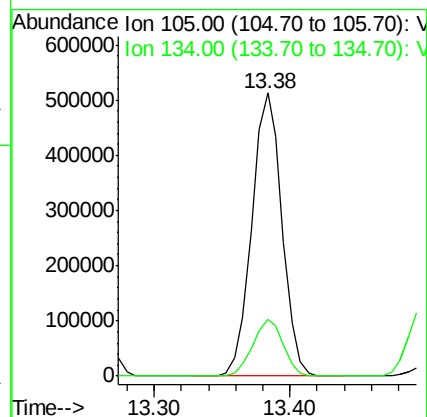
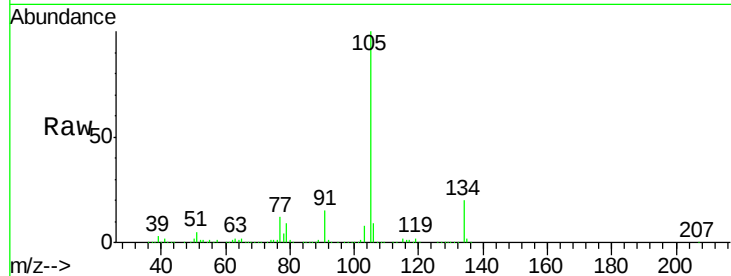
Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4

Manual Integrations
APPROVED

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#86

p-Isopropyltoluene

Concen: 43.796 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013370.D

Acq: 01 Oct 2019 14:20

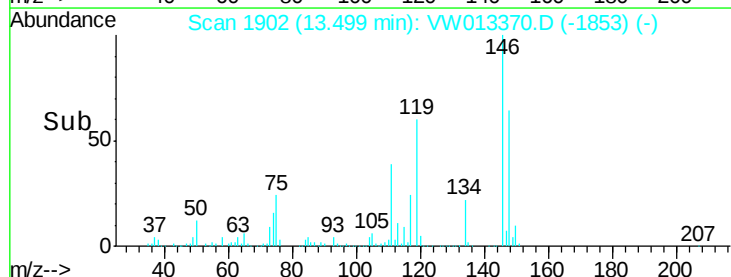
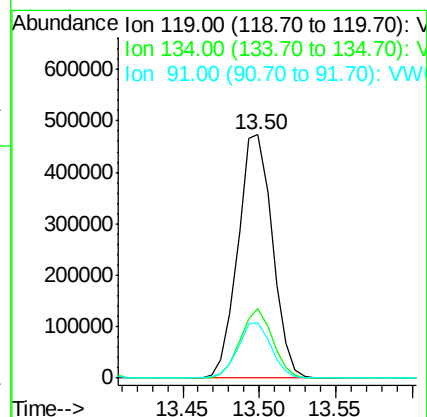
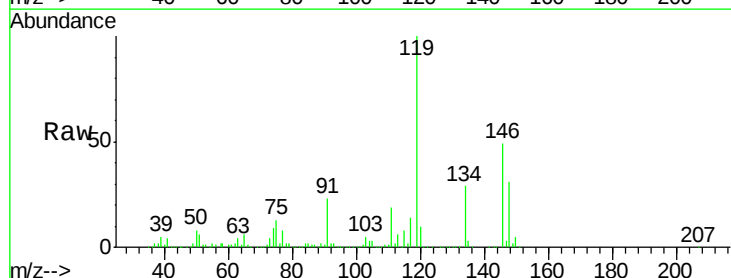
Tgt Ion:119 Resp: 737655

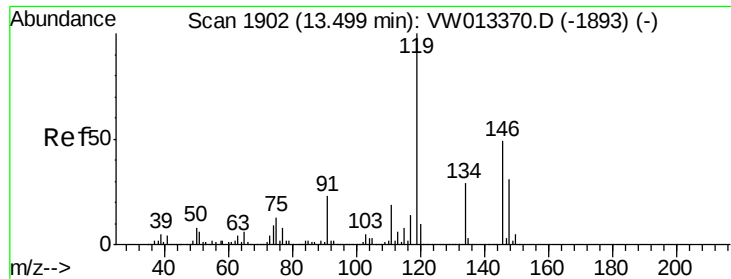
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.1 11.1 33.1





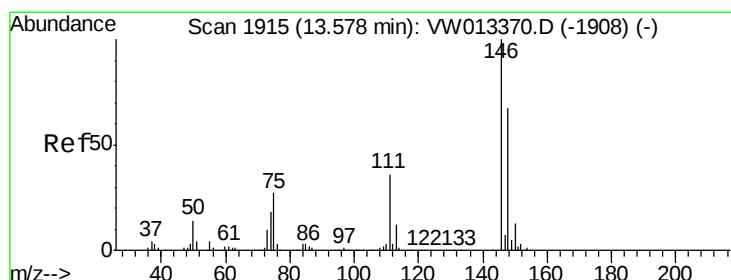
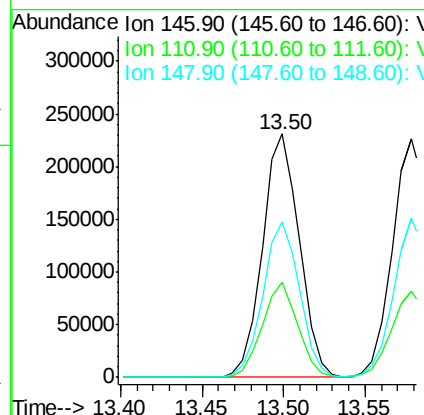
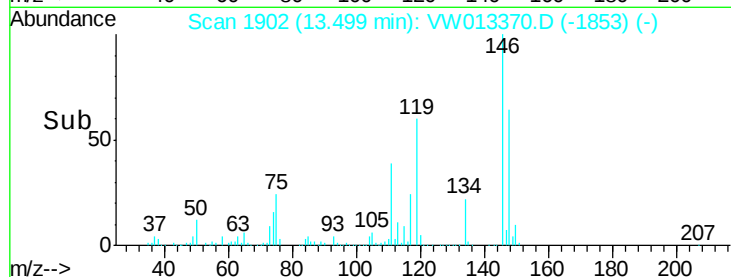
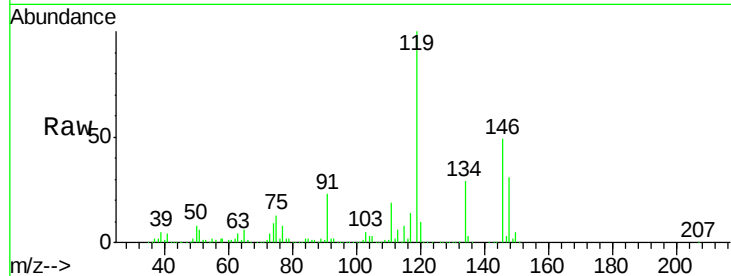
#87
 1,3-Dichlorobenzene
 Concen: 44.224 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	362415		
111	37.8	18.9	56.7	
148	63.5	31.8	95.3	

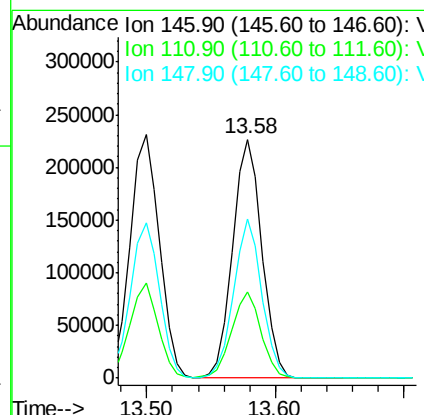
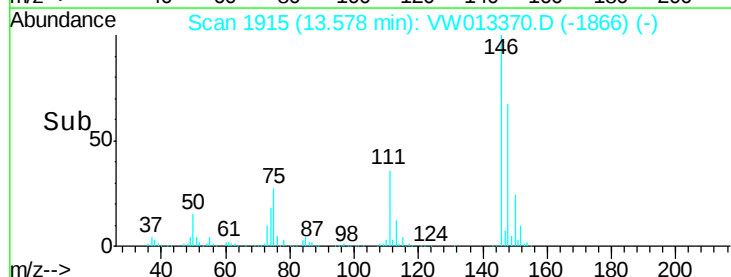
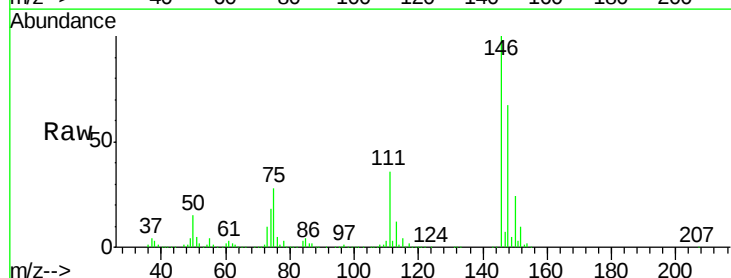
Manual Integrations
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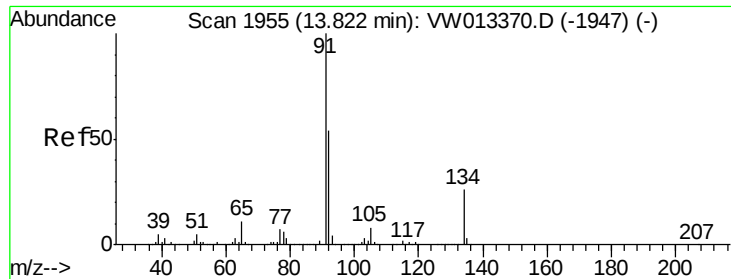
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#88
 1,4-Dichlorobenzene
 Concen: 44.030 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	358872		
111	36.4	18.2	54.6	
148	64.7	32.4	97.0	





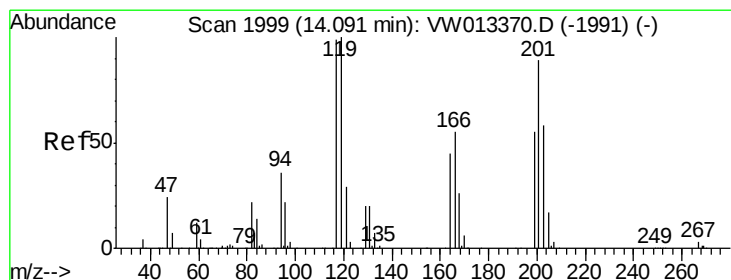
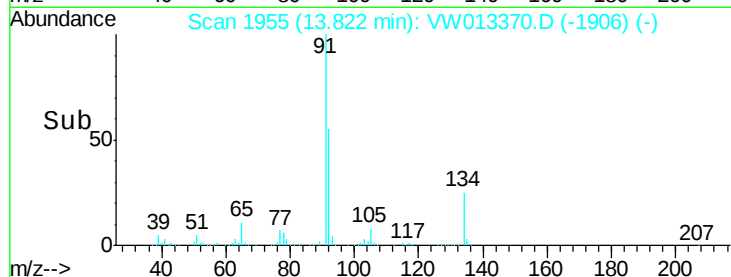
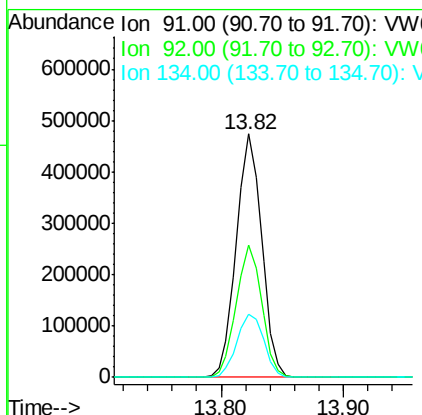
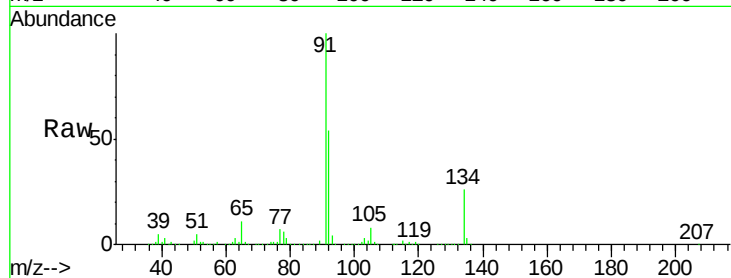
#89
n-Butylbenzene
Concen: 44.904 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.3	81.8
134	27.6	13.8	41.4

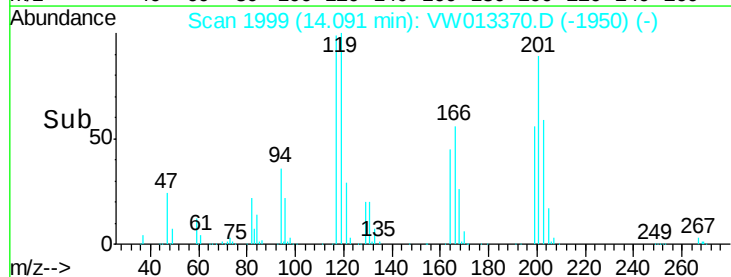
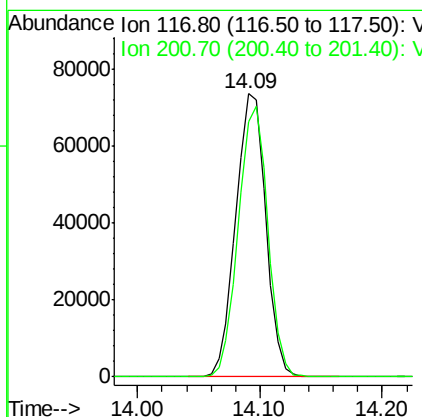
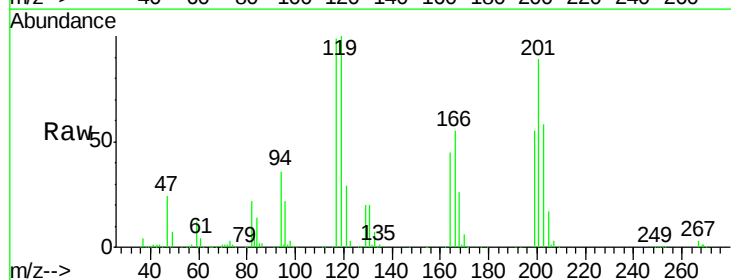
Manual Integrations
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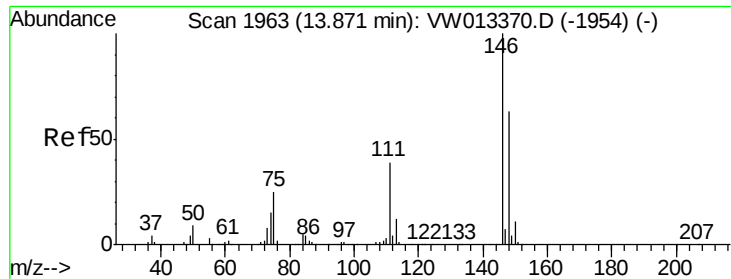
MMDadoda
10/7/2019 8:22:43 AM



#90
Hexachloroethane
Concen: 45.452 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.7	46.9	140.6





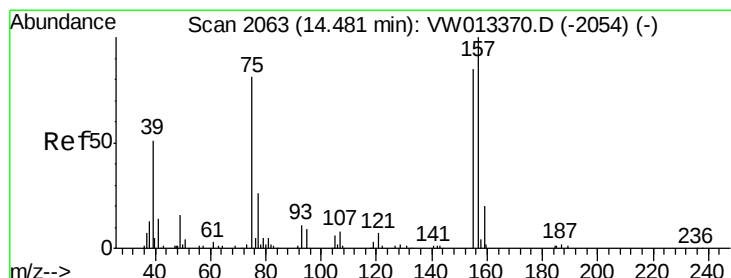
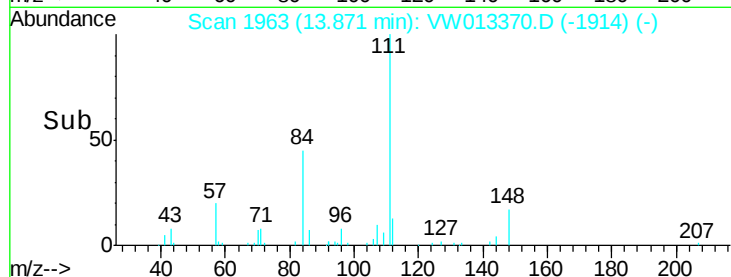
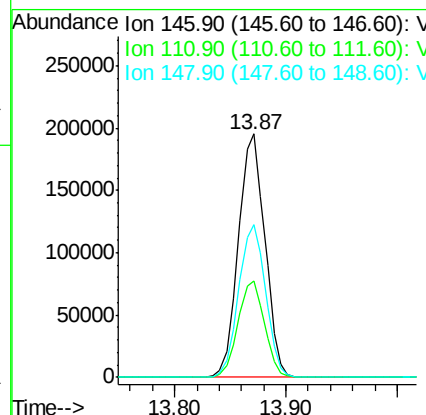
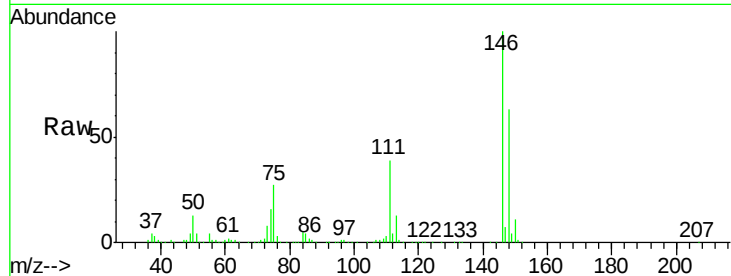
#91
 1,2-Dichlorobenzene
 Concen: 44.649 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	321521		
111	39.5	19.8	59.3	
148	63.6	31.8	95.4	

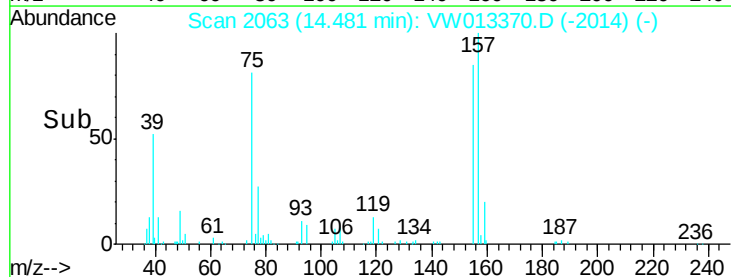
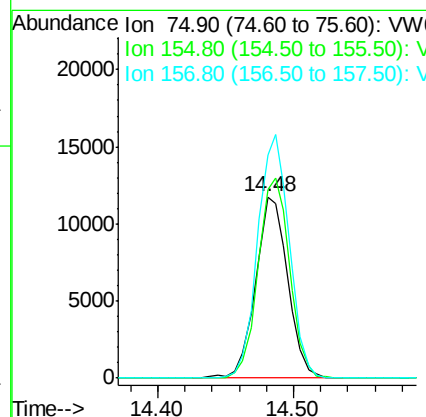
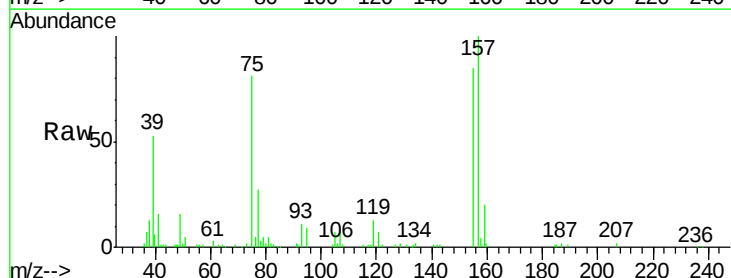
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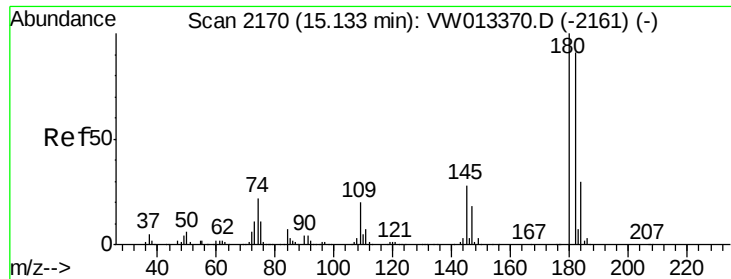
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.402 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	19411		
155	108.8	54.4	163.2	
157	132.2	66.1	198.3	





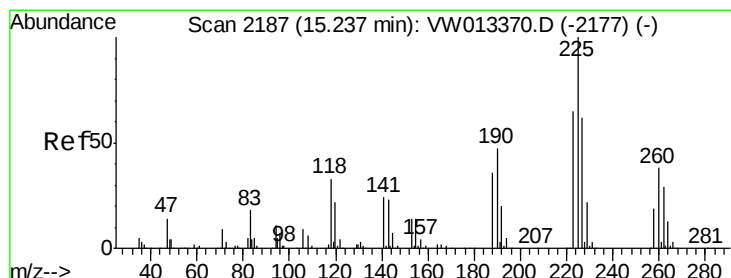
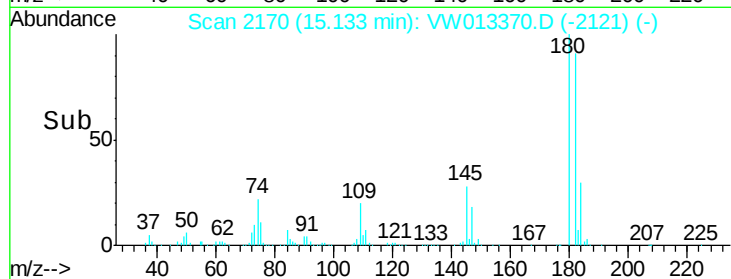
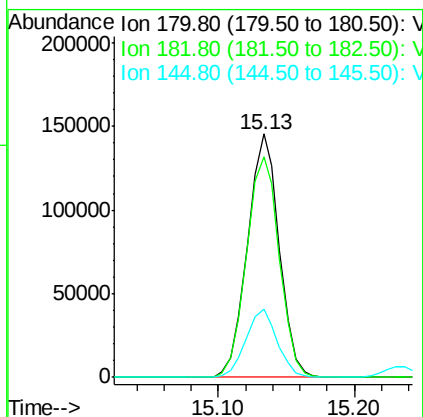
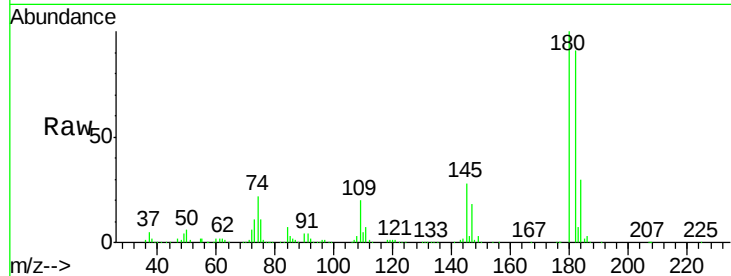
#93
 1,2,4-Trichlorobenzene
 Concen: 47.235 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	237491		
182	93.8	46.9	140.7	
145	27.8	13.9	41.7	

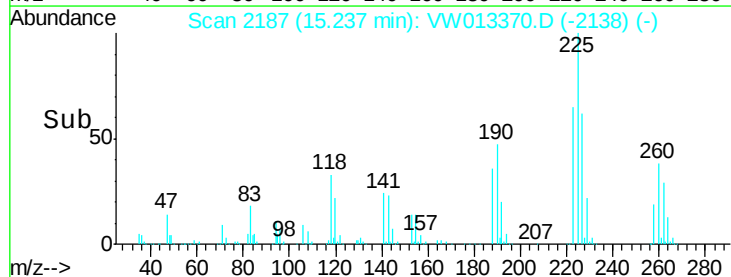
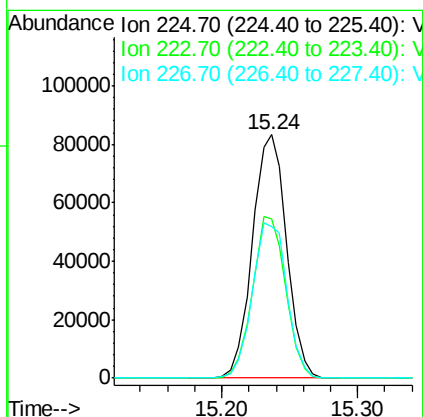
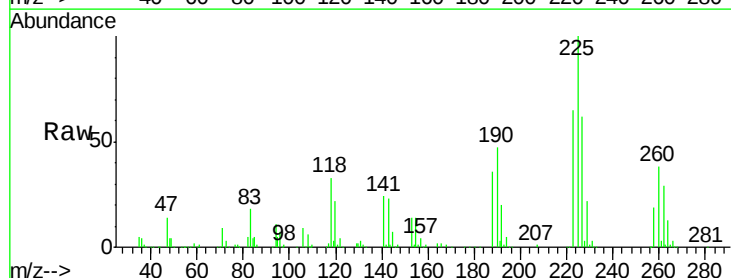
Manual Integrations
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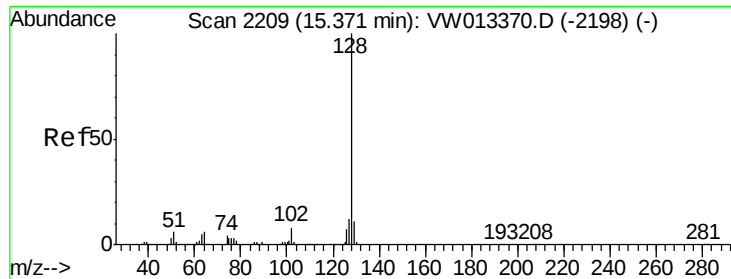
MMDadoda
 10/7/2019 8:22:43 AM



#94
 Hexachlorobutadiene
 Concen: 43.203 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW013370.D
 Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	146353		
223	64.4	32.2	96.6	
227	64.6	32.3	96.9	





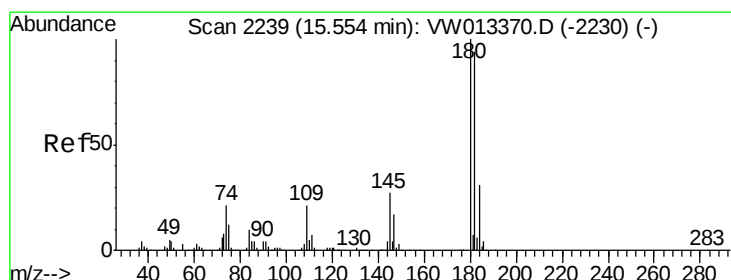
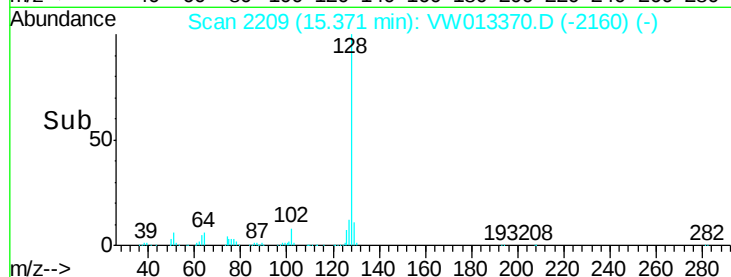
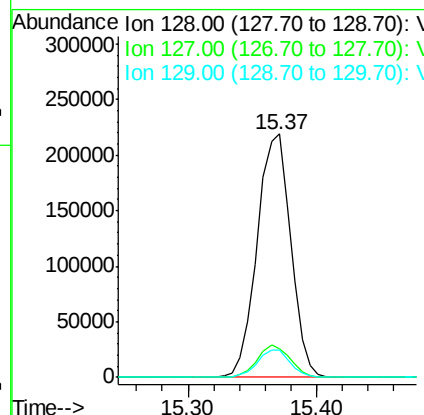
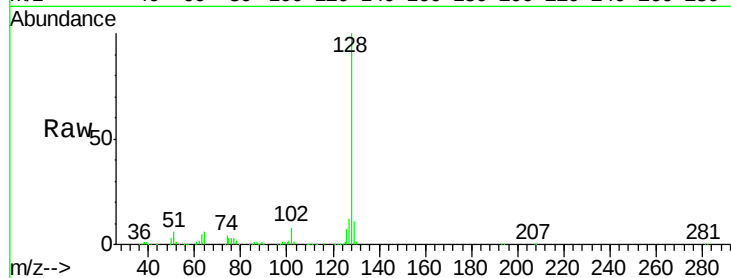
#95
Naphthalene
Concen: 47.701 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	393999		
127	13.1		10.5	15.7
129	10.9		8.7	13.1

Manual Integrations
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10/7/2019 8:22:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.569 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013370.D
Acq: 01 Oct 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	200388		
182	95.3		47.6	142.9
145	29.8		14.9	44.7

