

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013459.D
 Acq On : 07 Oct 2019 13:26
 Operator : SY/VA
 Sample : VW1007SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 1:31:17 PM

Quant Time: Oct 07 17:34:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	276297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	394656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	340949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	198016	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	114483	55.49	ug/l	0.00
Spiked Amount			Recovery	=	110.98%	
35) Dibromofluoromethane	7.88	113	111108	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
50) Toluene-d8	10.32	98	459372	53.45	ug/l	0.00
Spiked Amount			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.62	95	356868	124.36	ug/l	0.00
Spiked Amount			Recovery	=	248.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	22928	21.455	ug/l	98
3) Chloromethane	2.21	50	38778	21.989	ug/l	94
4) Vinyl Chloride	2.35	62	50008	19.981	ug/l	98
5) Bromomethane	2.73	94	29325	19.071	ug/l	100
6) Chloroethane	2.91	64	27459	19.000	ug/l	96
7) Trichlorofluoromethane	3.24	101	19837	18.269	ug/l	99
8) Diethyl Ether	3.67	74	26004	20.691	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	47664	19.800	ug/l	99
10) Methyl Iodide	4.27	142	73761	18.973	ug/l	99
11) Tert butyl alcohol	5.17	59	36957	214.999	ug/l	97
12) 1,1-Dichloroethene	4.03	96	51340	20.185	ug/l	96
13) Acrolein	3.88	56	23233	117.248	ug/l	97
14) Allyl chloride	4.66	41	73407	19.510	ug/l	98
15) Acrylonitrile	5.35	53	71832	126.436	ug/l	96
16) Acetone	4.12	43	66397	104.999	ug/l	97
17) Carbon Disulfide	4.38	76	139430	19.650	ug/l	99
18) Methyl Acetate	4.67	43	42265	28.556	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	82535	22.048	ug/l	97
20) Methylene Chloride	4.92	84	56792	20.455	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	52351	19.328	ug/l	99
22) Diisopropyl ether	6.31	45	146554	20.169	ug/l	97
23) Vinyl Acetate	6.25	43	481859	110.517	ug/l	98
24) 1,1-Dichloroethane	6.21	63	86324	19.505	ug/l	97
25) 2-Butanone	7.16	43	100207	123.842	ug/l	98
26) 2,2-Dichloropropane	7.16	77	56115	20.950	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	56822	20.042	ug/l	97
28) Bromochloromethane	7.51	49	29492	18.430	ug/l #	95
29) Tetrahydrofuran	7.53	42	65174	142.805	ug/l	98
30) Chloroform	7.67	83	86190	19.861	ug/l	97
31) Cyclohexane	7.95	56	93143	19.734	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	69434	20.423	ug/l	98
36) 1,1-Dichloropropene	8.08	75	72413	19.755	ug/l	98
37) Ethyl Acetate	7.25	43	40937	25.378	ug/l	98
38) Carbon Tetrachloride	8.06	117	62893	19.807	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97247	20.144	ug/l	97
40) Benzene	8.32	78	204803	19.737	ug/l	98
41) Methacrylonitrile	7.48	41	22226	22.786	ug/l	92
42) 1,2-Dichloroethane	8.40	62	54608	20.476	ug/l	95
43) Isopropyl Acetate	8.42	43	73168	24.030	ug/l	96
44) Trichloroethene	9.09	130	58398	19.985	ug/l	98
45) 1,2-Dichloropropane	9.37	63	48663	19.532	ug/l	99
46) Dibromomethane	9.46	93	28324	22.825	ug/l	97
47) Bromodichloromethane	9.65	83	62170	20.351	ug/l	97
48) Methyl methacrylate	9.43	41	35359	24.169	ug/l	95
49) 1,4-Dioxane	9.45	88	13252	685.939	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	209795	131.143	ug/l	98
52) Toluene	10.38	92	132896	19.856	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	66565	20.949	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	79685	20.684	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	41624	22.485	ug/l	97
56) Ethyl methacrylate	10.65	69	58140	23.334	ug/l	98
57) 1,3-Dichloropropane	10.93	76	70057	21.769	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.92	63	139222	136.021	ug/l	98
59) 2-Hexanone	10.97	43	148072	133.540	ug/l	98
60) Dibromochloromethane	11.13	129	56075	26.478	ug/l	81
61) 1,2-Dibromoethane	11.23	107	38425	21.481	ug/l #	76
64) Tetrachloroethene	10.86	164	49236	18.981	ug/l	97
65) Chlorobenzene	11.66	112	135758	19.436	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	48318	20.310	ug/l	96
67) Ethyl Benzene	11.73	91	249520	19.932	ug/l	96
68) m/p-Xylenes	11.83	106	191813	39.695	ug/l	98
69) o-Xylene	12.16	106	88858	19.889	ug/l	99
70) Styrene	12.18	104	157816	20.664	ug/l	99
71) Bromoform	12.35	173	31181	24.174	ug/l #	91
73) Isopropylbenzene	12.46	105	257392	17.770	ug/l	98
74) N-amyl acetate	12.27	43	71621	23.234	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	78819	32.150	ug/l	71
76) 1,2,3-Trichloropropane	12.77	75	33951m	19.291	ug/l	
77) Bromobenzene	12.75	156	60754	17.468	ug/l	98
78) n-propylbenzene	12.80	91	287362	17.247	ug/l	98
79) 2-Chlorotoluene	12.89	91	168142	18.169	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	212933	17.697	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16581	22.552	ug/l	95
82) 4-Chlorotoluene	12.99	91	172914	17.837	ug/l	98
83) tert-Butylbenzene	13.21	119	199463	18.979	ug/l	95
84) 1,2,4-Trimethylbenzene	13.25	105	208039	17.393	ug/l	99
85) sec-Butylbenzene	13.38	105	256316	17.689	ug/l	93
86) p-Isopropyltoluene	13.50	119	239878	17.863	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	116137	17.749	ug/l	91
88) 1,4-Dichlorobenzene	13.50	146	116137	17.727	ug/l	90
89) n-Butylbenzene	13.82	91	214356	17.706	ug/l	99
90) Hexachloroethane	14.09	117	38591	17.395	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	105255	18.197	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8776	23.932	ug/l #	53

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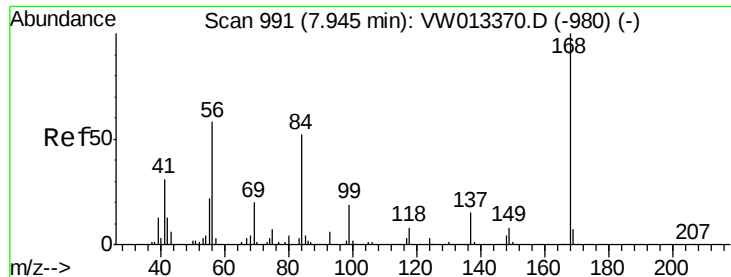
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	79530	19.158	ug/l	98
94) Hexachlorobutadiene	15.24	225	47822	17.734	ug/l	96
95) Naphthalene	15.36	128	160400	22.906	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	68688	18.952	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

Tot Ion:168 Resp: 276297

Ion Ratio Lower Upper

168 100

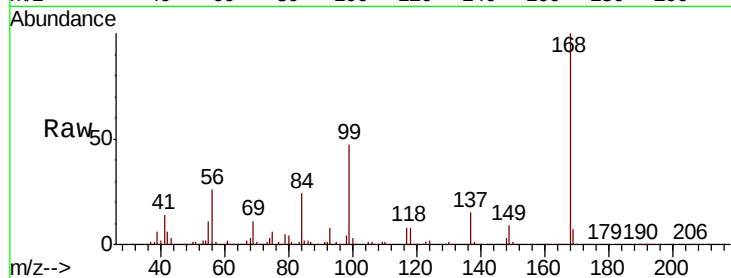
99 47.0 40.2 60.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

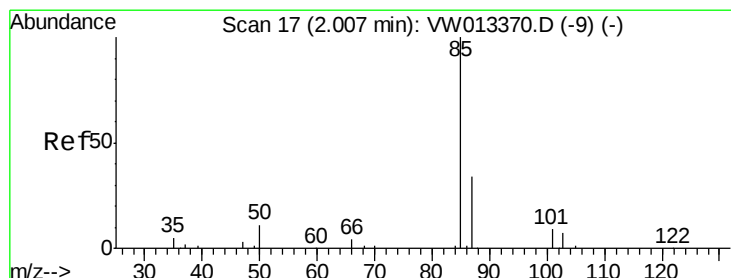
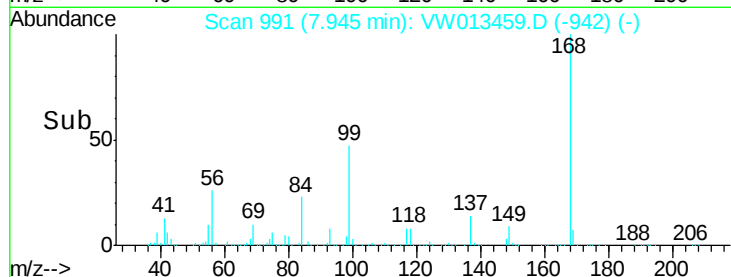
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.455 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013459.D

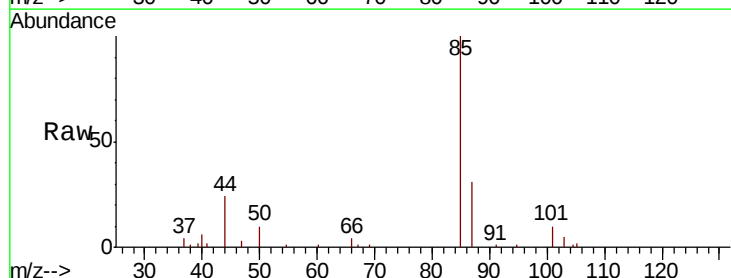
Acq: 07 Oct 2019 13:26

Tgt Ion: 85 Resp: 22928

Ion Ratio Lower Upper

85 100

87 31.5 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

8000

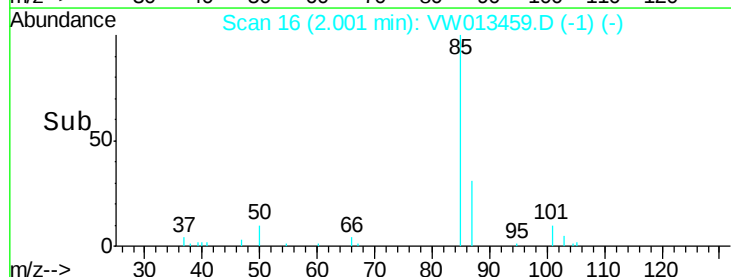
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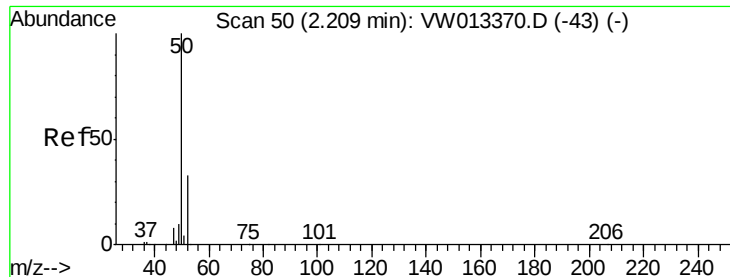
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.989 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 50 Resp: 38778

Ion Ratio Lower Upper

50 100

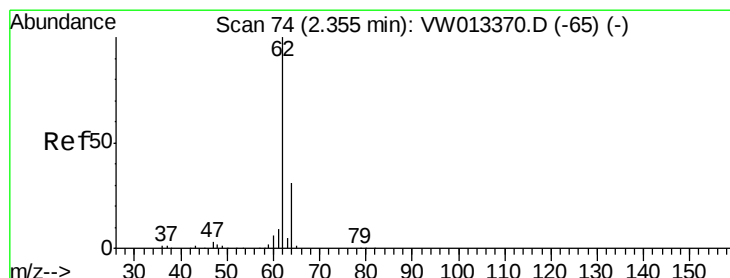
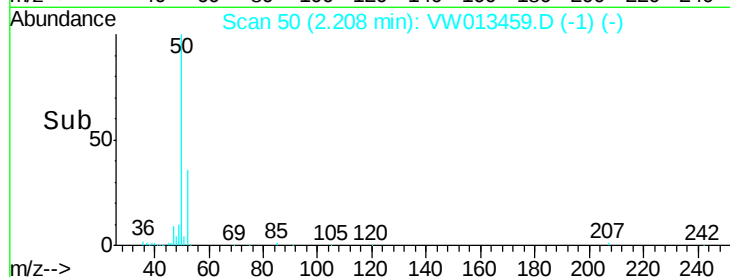
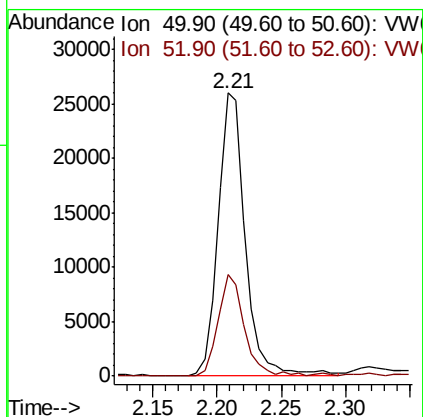
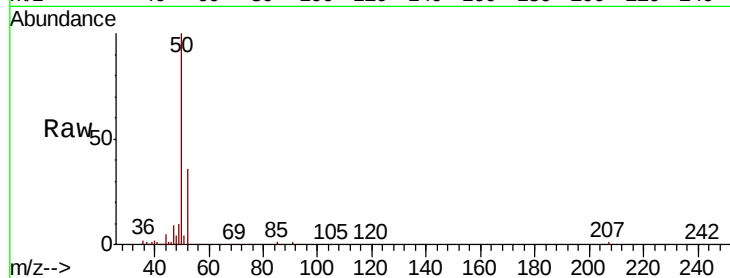
52 35.9 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.981 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW013459.D

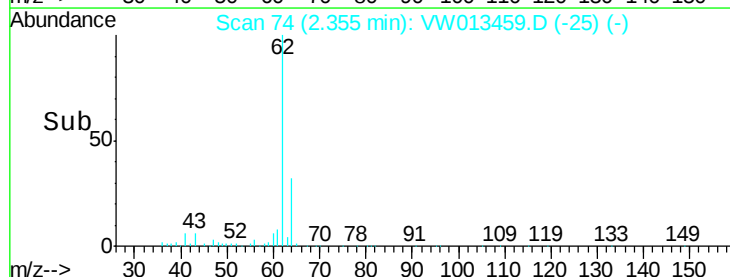
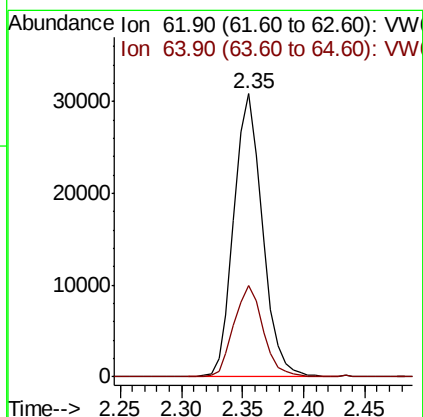
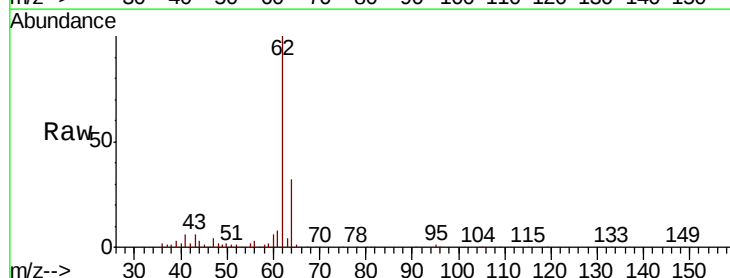
Acq: 07 Oct 2019 13:26

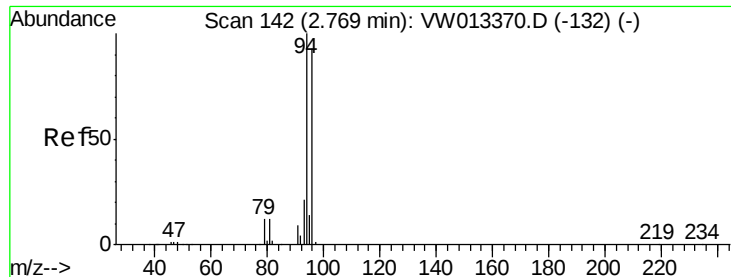
Tgt Ion: 62 Resp: 50008

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9





#5

Bromomethane

Concen: 19.071 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

Tot Ion: 94 Resp: 29325

Ion Ratio Lower Upper

94 100

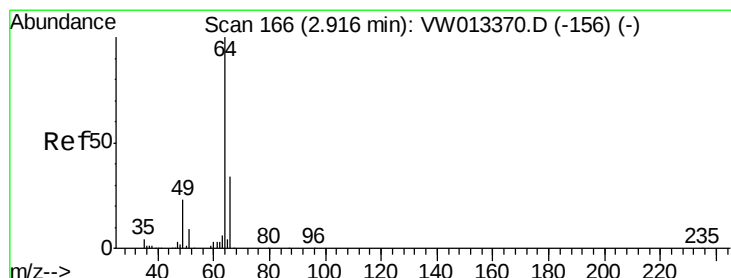
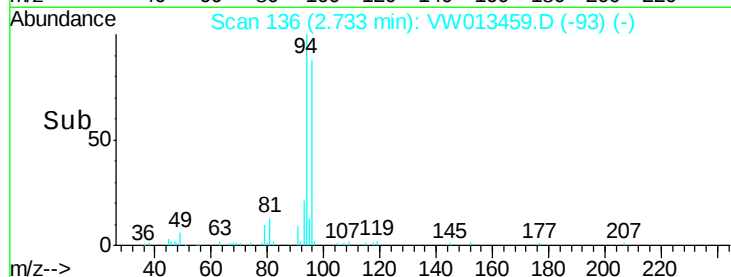
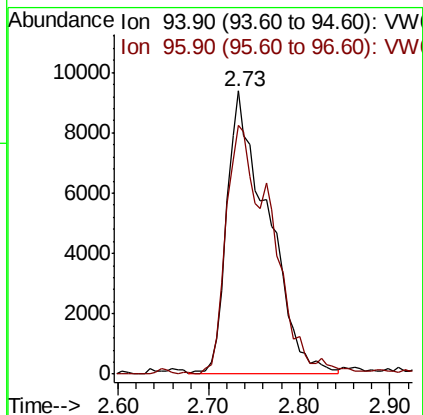
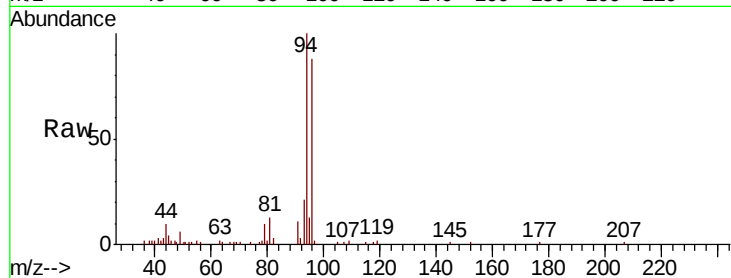
96 87.5 69.7 104.5

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#6

Chloroethane

Concen: 19.000 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013459.D

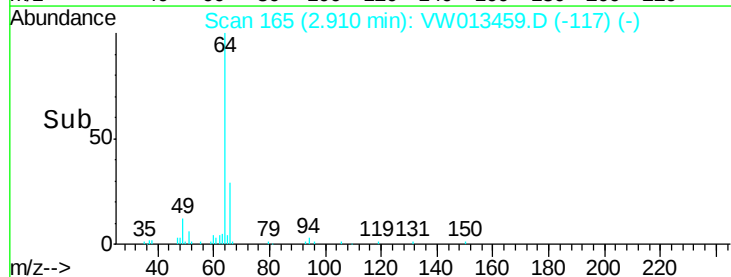
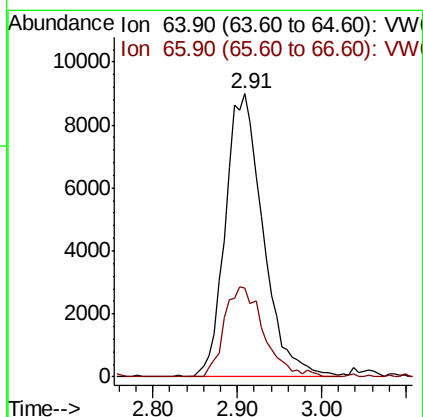
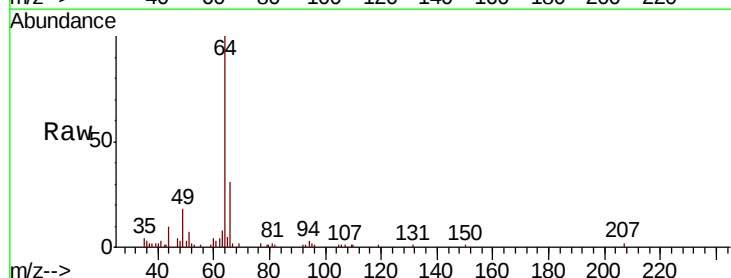
Acq: 07 Oct 2019 13:26

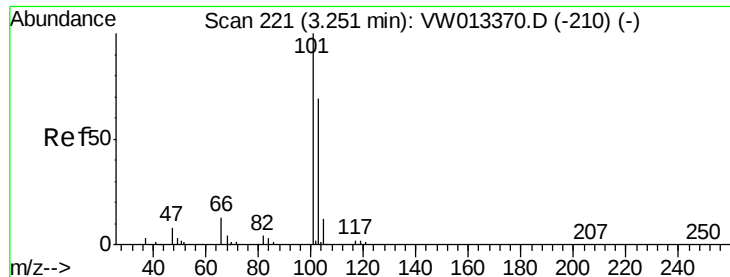
Tgt Ion: 64 Resp: 27459

Ion Ratio Lower Upper

64 100

66 31.2 26.6 39.8





#7

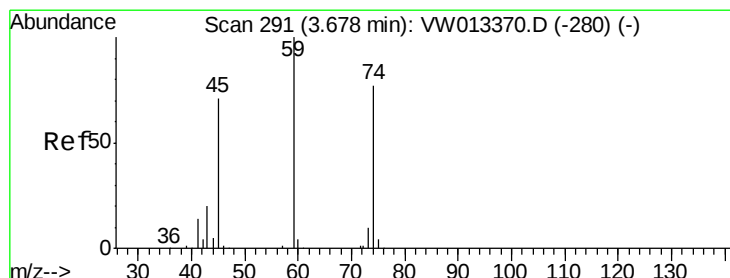
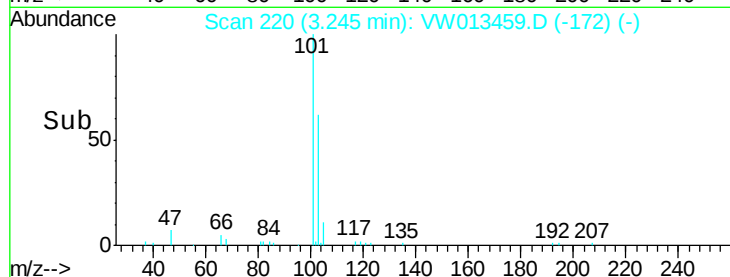
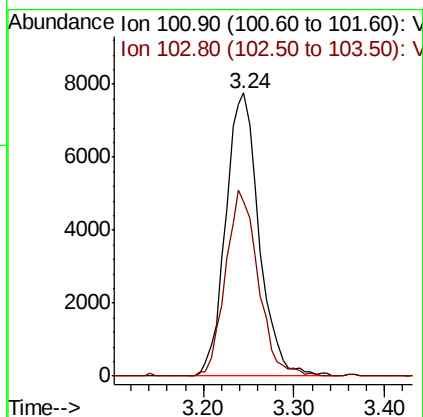
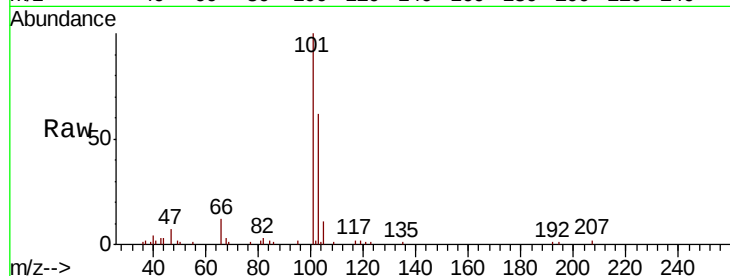
Trichlorofluoromethane
Concen: 18.269 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

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ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	49.7	74.5

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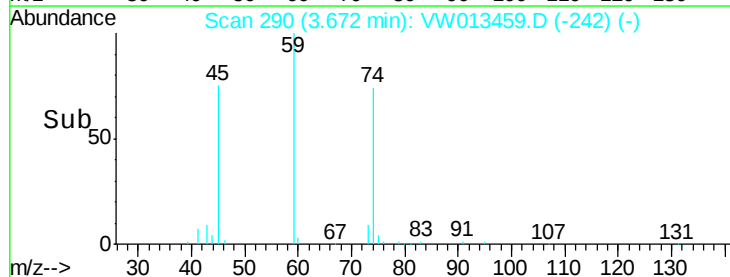
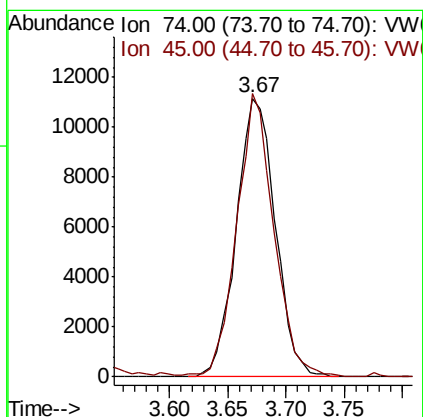
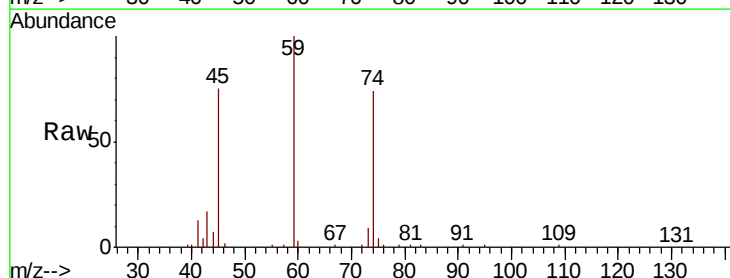
MMDadoda
10/8/2019 1:31:17 PM

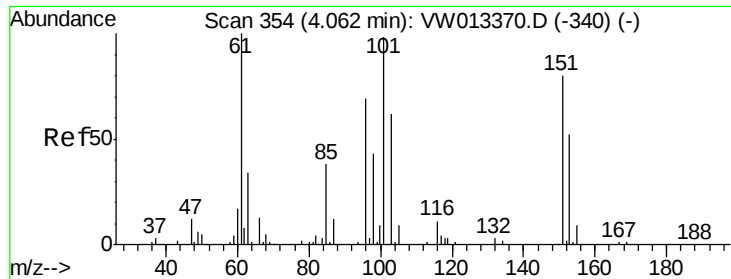


#8

Diethyl Ether
Concen: 20.691 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.800 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

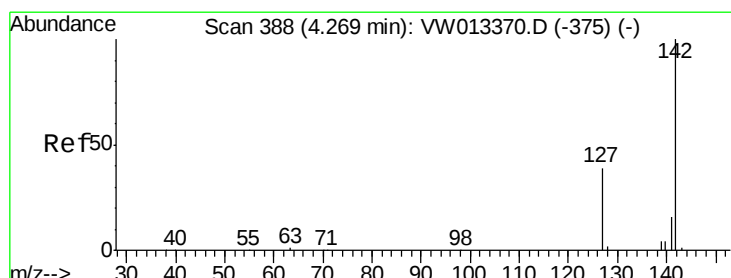
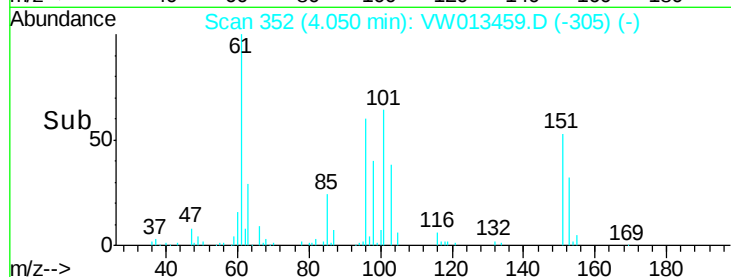
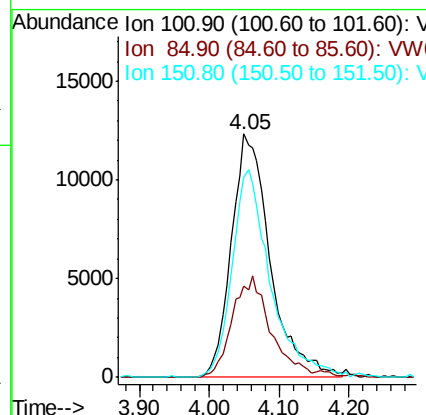
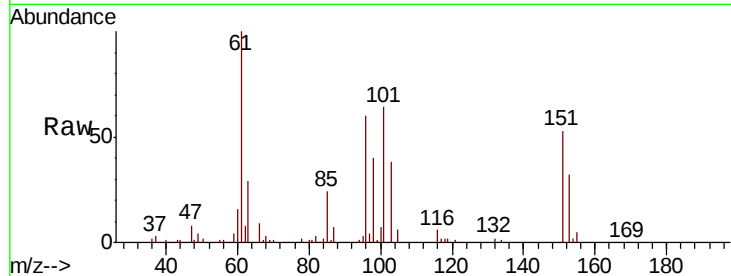
ClientSampleId :

VW1007SBS01

Tot Ion:	101	Resp:	47664
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.4	50.0
151	84.2	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.973 ug/l

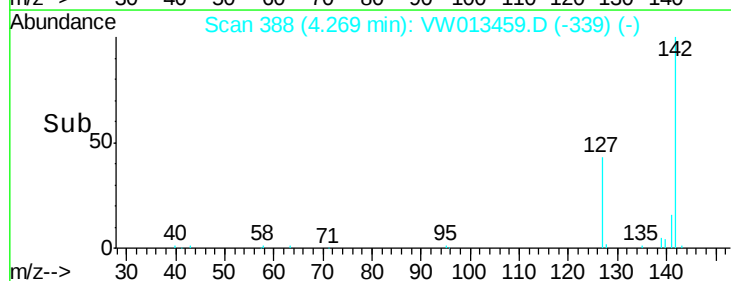
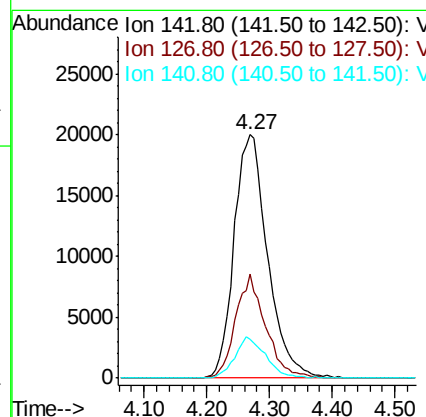
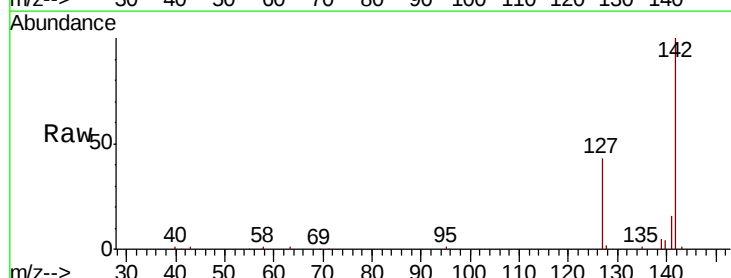
RT: 4.27 min Scan# 388

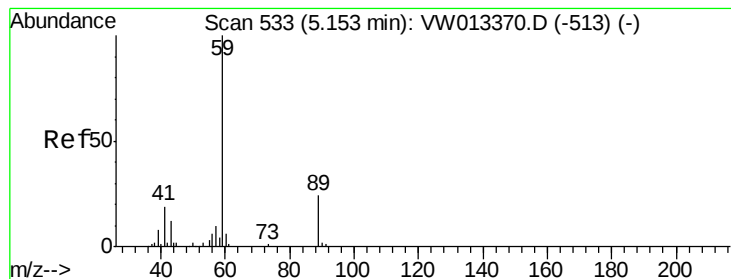
Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Tgt Ion:	142	Resp:	73761
Ion Ratio	Lower	Upper	
142	100		
127	38.2	30.9	46.3
141	15.7	11.7	17.5





#11

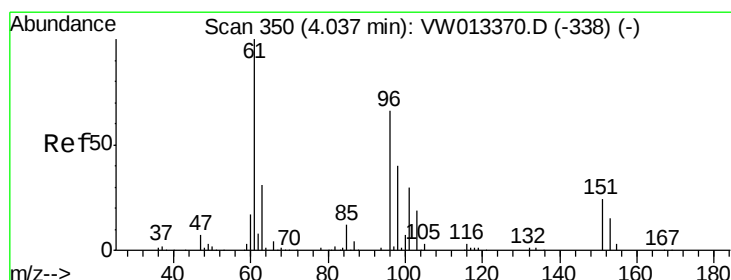
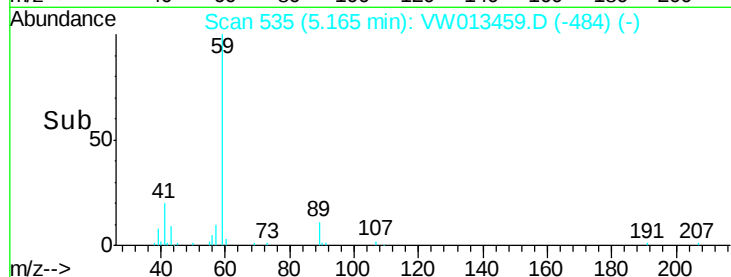
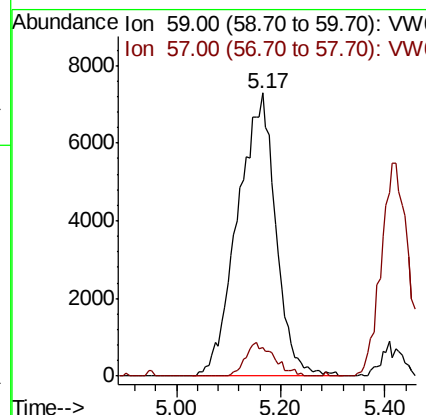
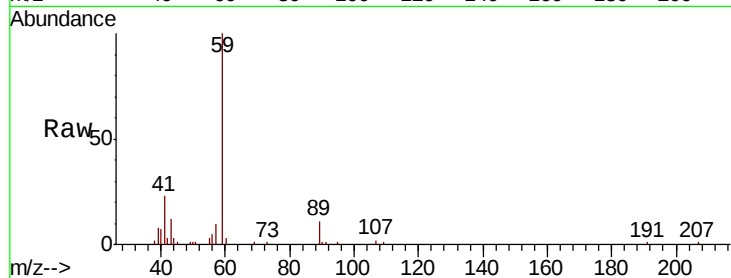
Tert butyl alcohol
Concen: 214.999 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.01 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	8.2	12.2

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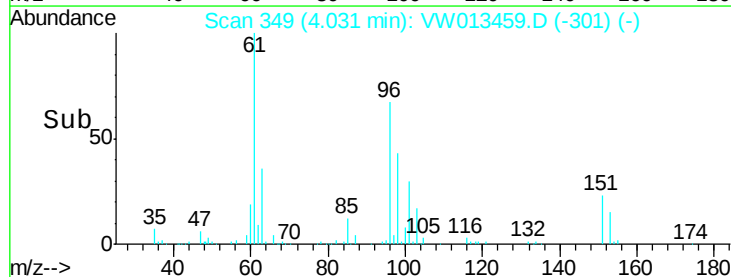
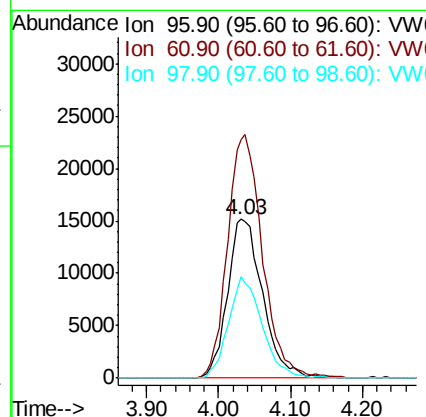
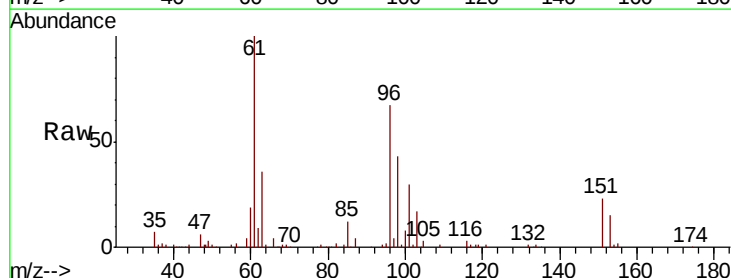
MMDadoda
10/8/2019 1:31:17 PM

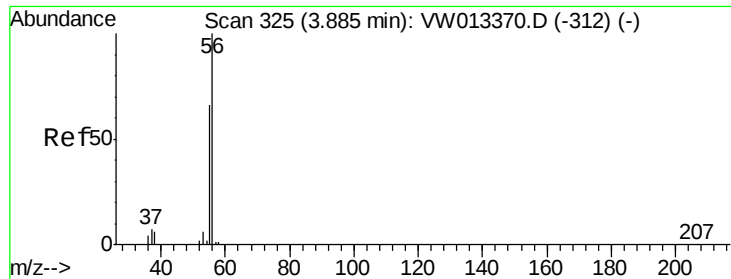


#12

1,1-Dichloroethene
Concen: 20.185 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.1	125.1	187.7
98	64.2	50.8	76.2





#13

Acrolein

Concen: 117.248 ug/l

RT: 3.88 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

ClientSampleID :

VW1007SBSD01

Tot Ion: 56 Resp: 23233

Ion Ratio Lower Upper

56 100

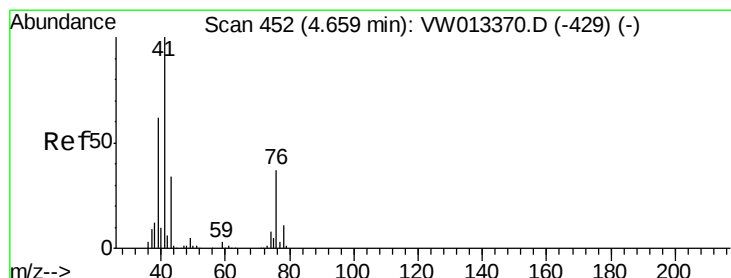
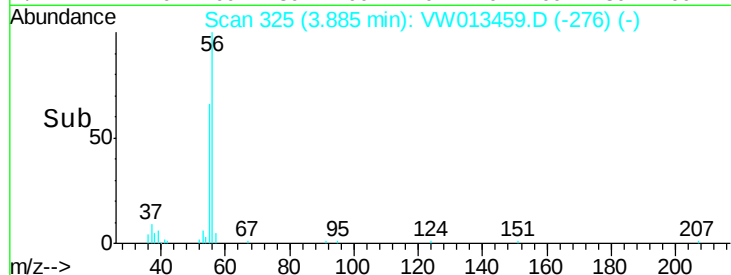
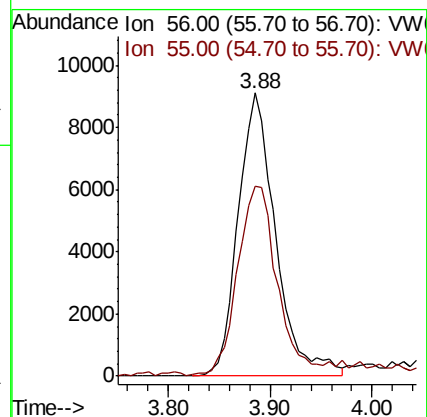
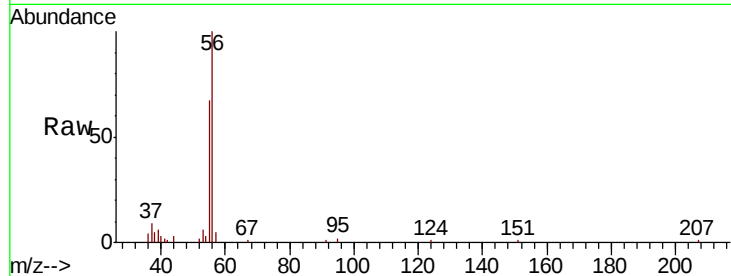
55 71.3 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.510 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

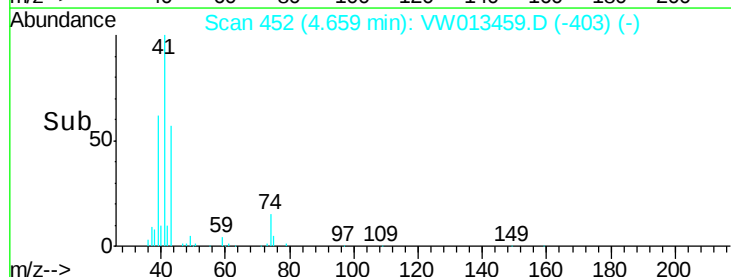
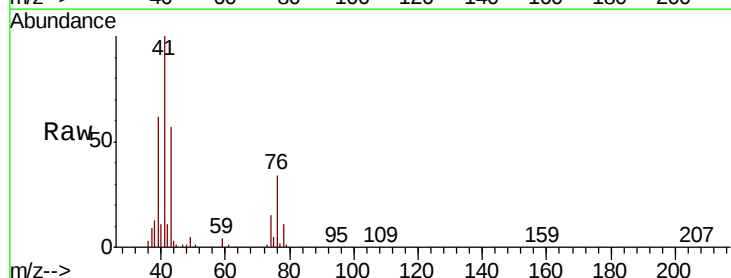
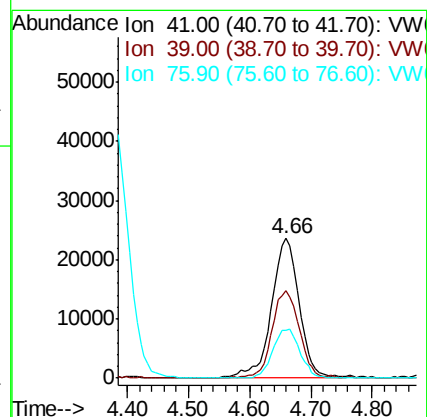
Tgt Ion: 41 Resp: 73407

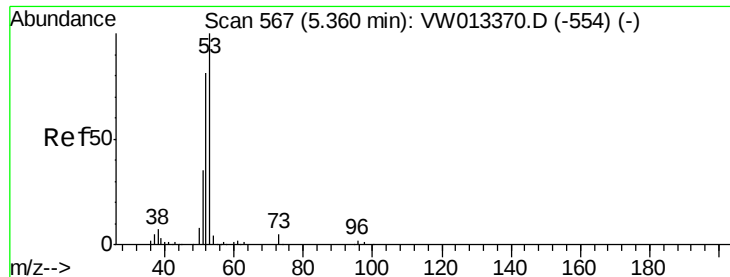
Ion Ratio Lower Upper

41 100

39 62.4 51.0 76.4

76 34.5 28.4 42.6





#15

Acrylonitrile

Concen: 126.436 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

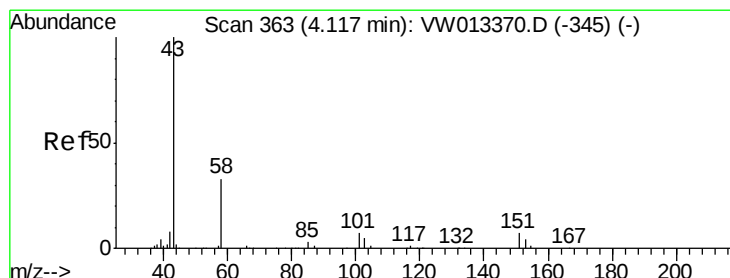
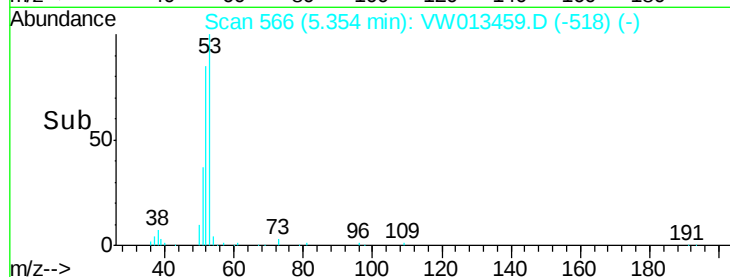
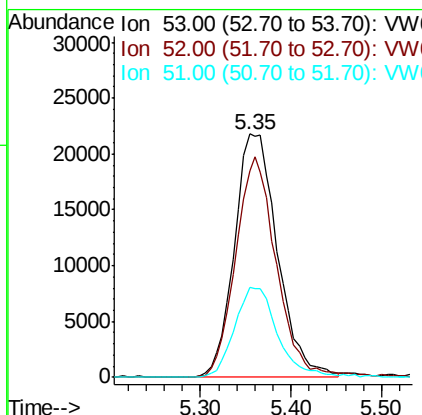
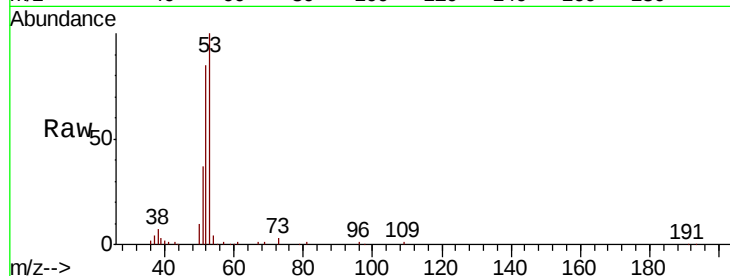
ClientSampleId :

VW1007SBS01

Tot Ion:	53	Resp:	71832
Ion	Ratio	Lower	Upper
53	100		
52	85.7	65.3	97.9
51	36.9	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 104.999 ug/l

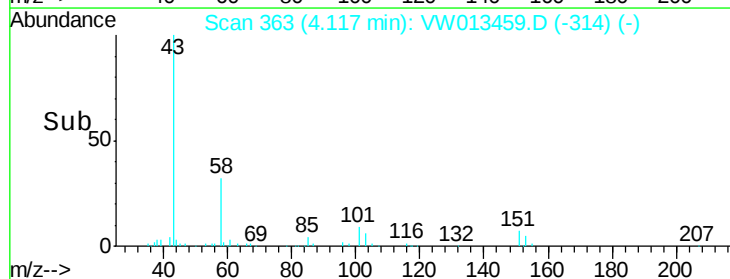
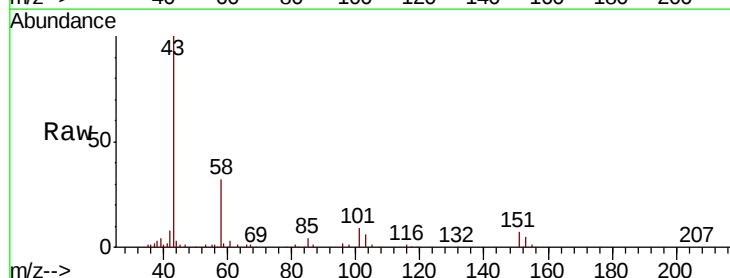
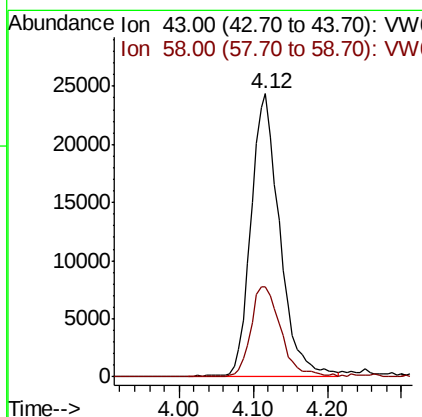
RT: 4.12 min Scan# 363

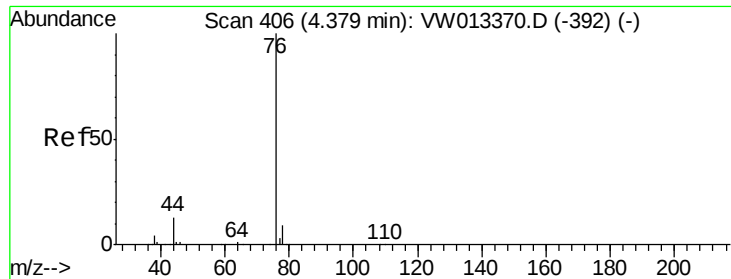
Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Tgt Ion:	43	Resp:	66397
Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.1	36.1





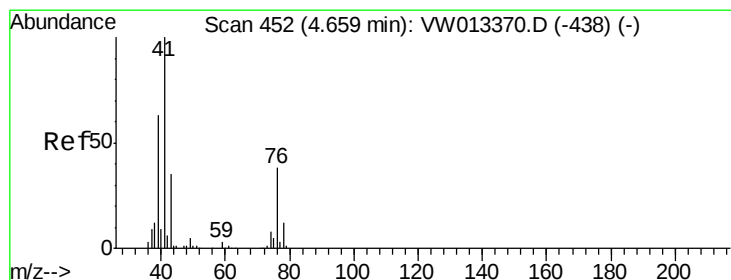
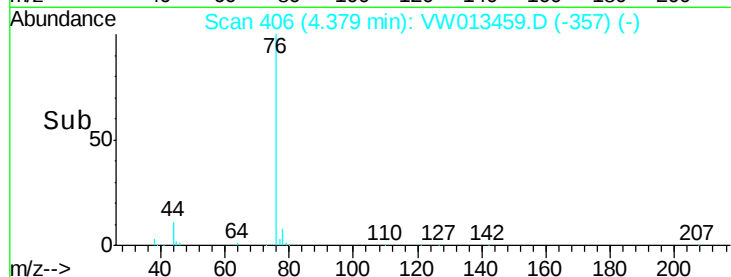
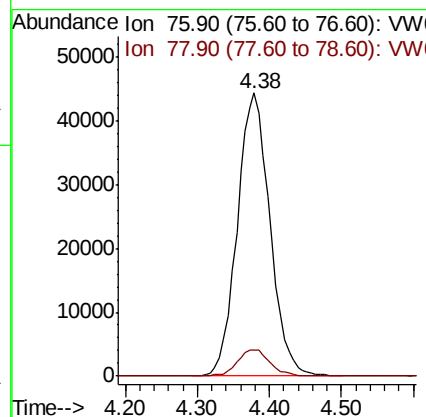
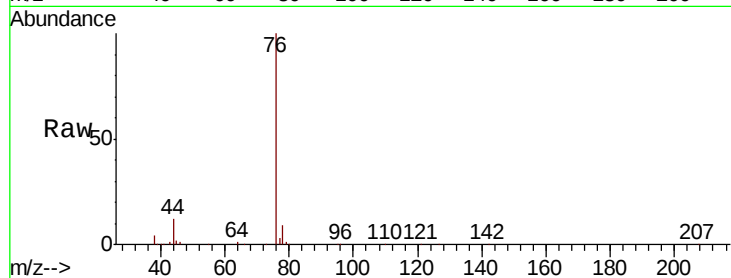
#17
Carbon Disulfide
Concen: 19.650 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

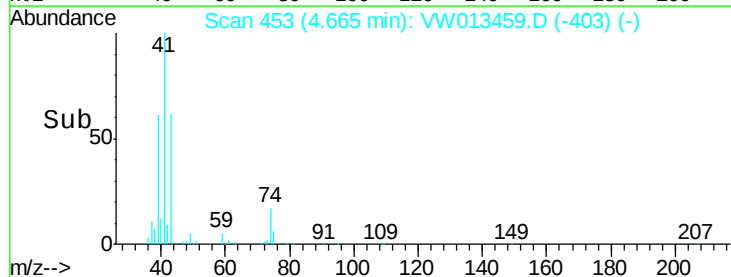
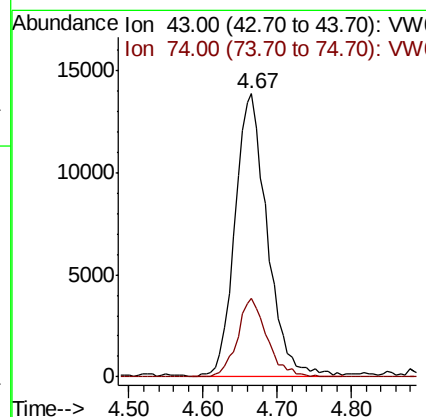
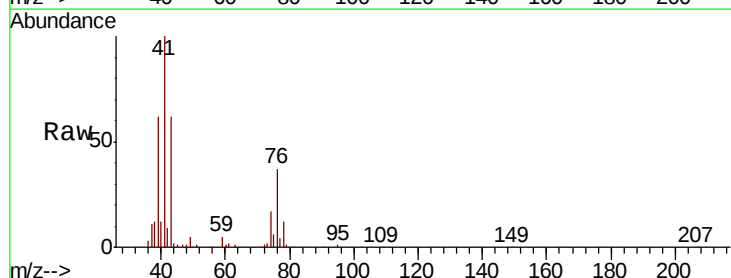
Manual Integrations
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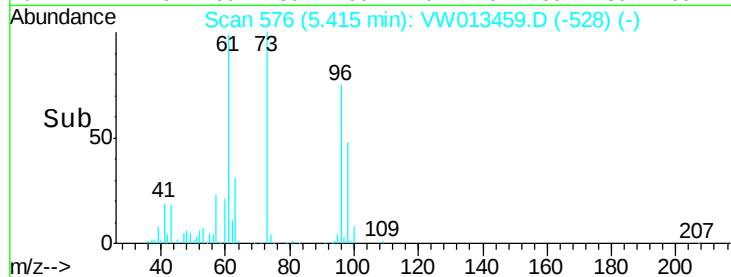
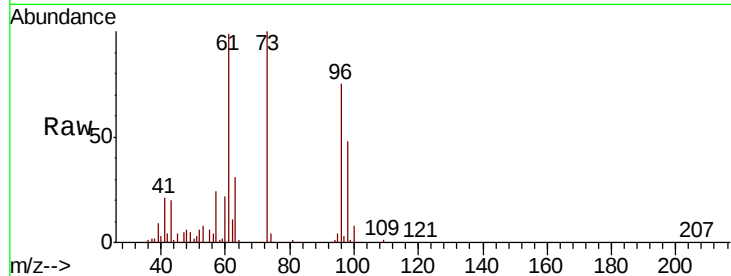
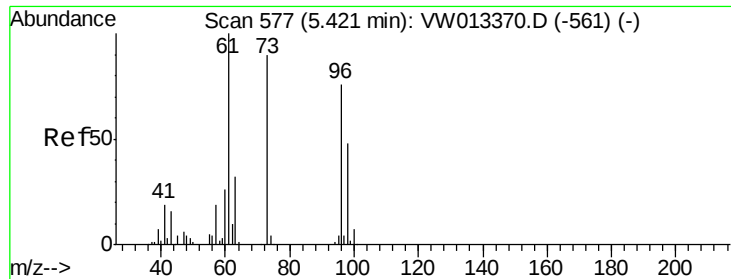
MMDadoda
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#18
Methyl Acetate
Concen: 28.556 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.3	28.9





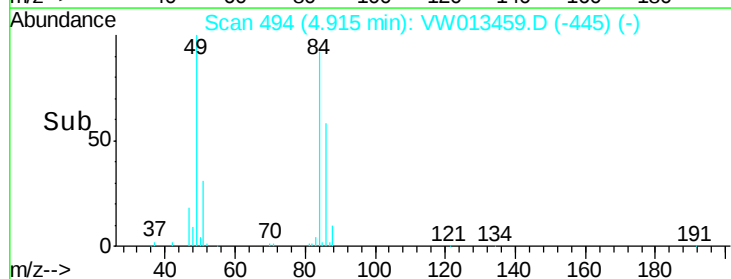
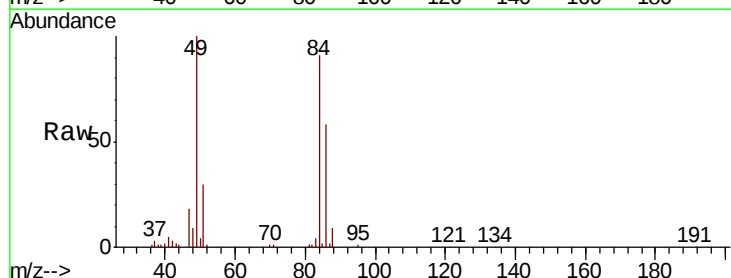
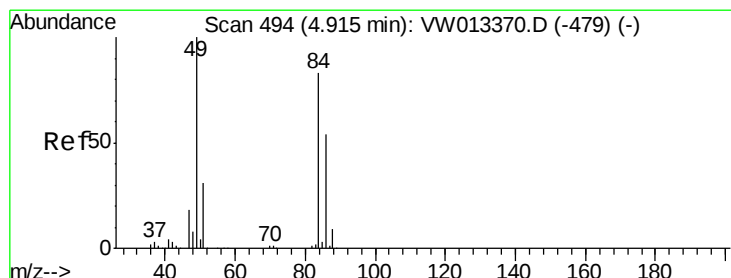
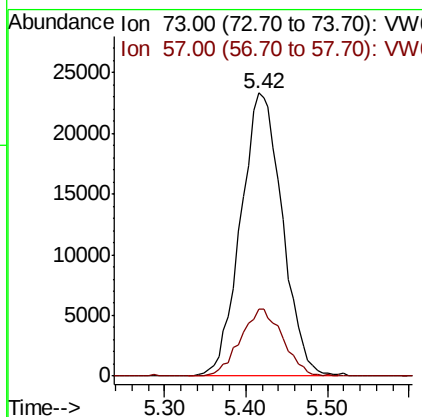
#19
Methvl tert-butvl Ether
Concen: 22.048 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tot Ion: 73 Resp: 82535
Ion Ratio Lower Upper
73 100
57 23.5 17.6 26.4

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

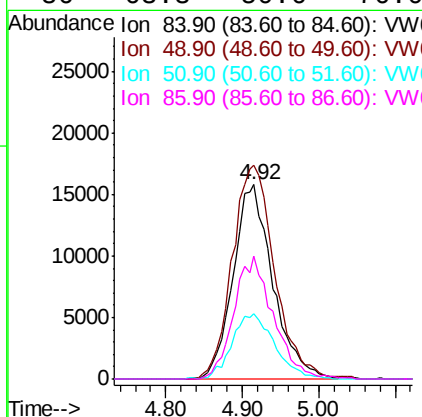
Manual Integrations
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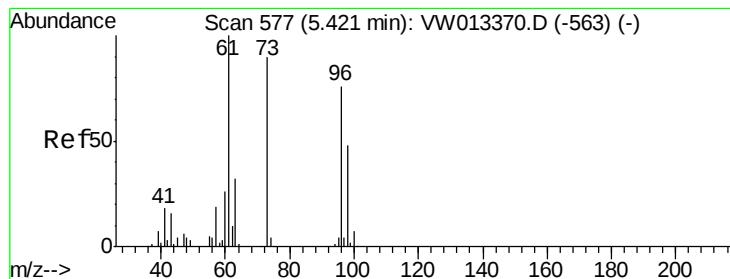
MMDadoda
10/8/2019 1:31:17 PM



#20
Methylene Chloride
Concen: 20.455 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion: 84 Resp: 56792
Ion Ratio Lower Upper
84 100
49 110.0 97.6 146.4
51 33.5 30.2 45.2
86 63.3 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 19.328 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

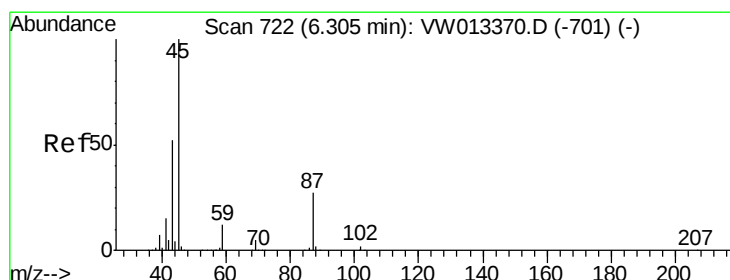
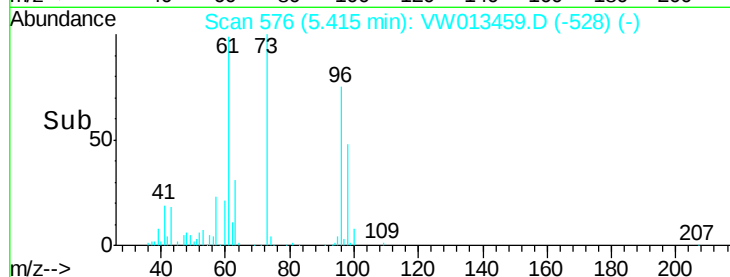
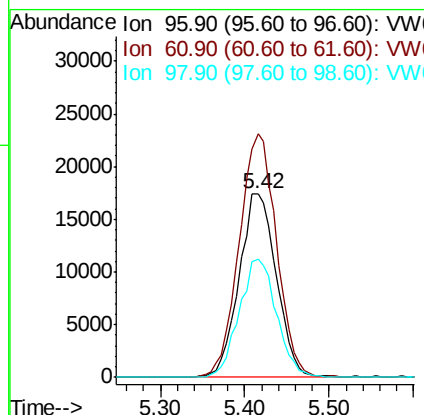
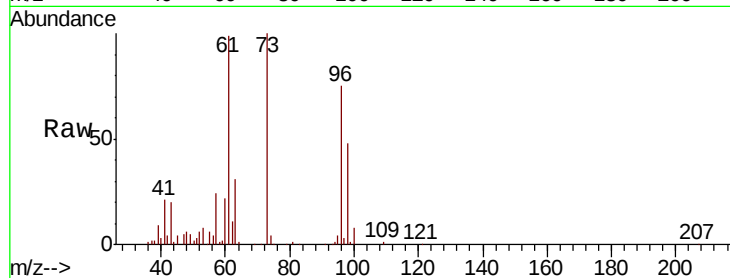
ClientSampleId :

VW1007SBS01

Tot Ion:	96	Resp:	52351
Ion	Ratio	Lower	Upper
96	100		
61	132.5	106.6	159.8
98	64.2	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.169 ug/l

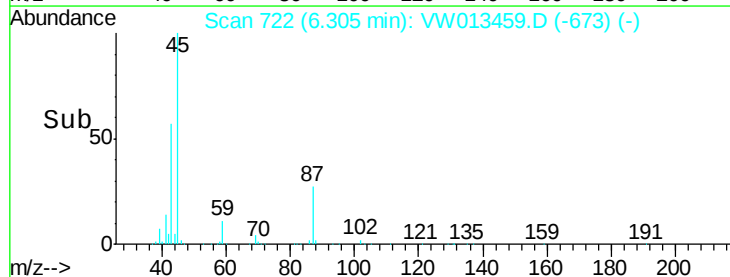
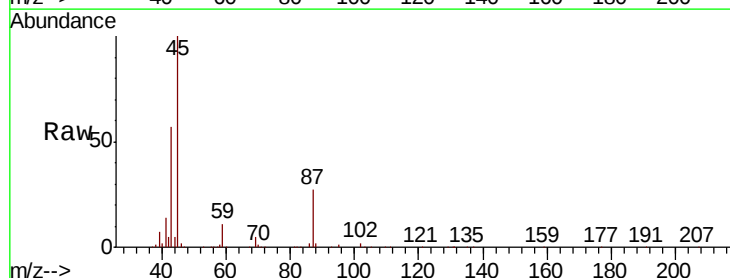
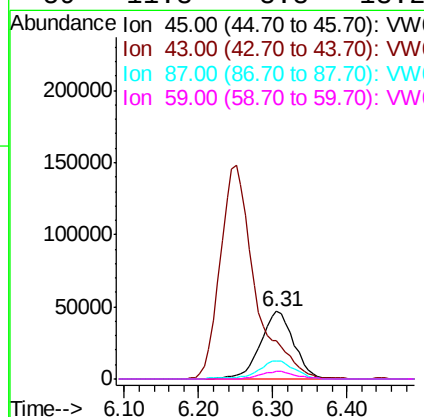
RT: 6.31 min Scan# 722

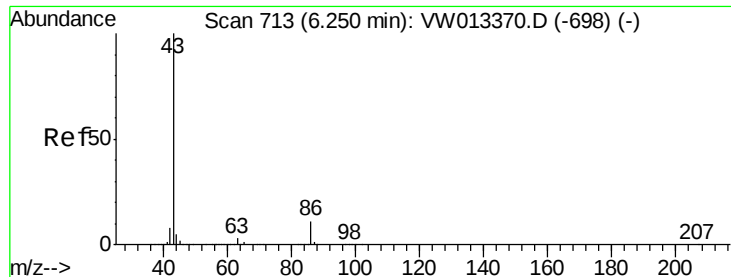
Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Tgt Ion:	45	Resp:	146554
Ion	Ratio	Lower	Upper
45	100		
43	55.7	42.4	63.6
87	26.8	20.4	30.6
59	11.3	8.8	13.2





#23

Vinyl Acetate

Concen: 110.517 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 43 Resp: 481859

Ion Ratio Lower Upper

43 100

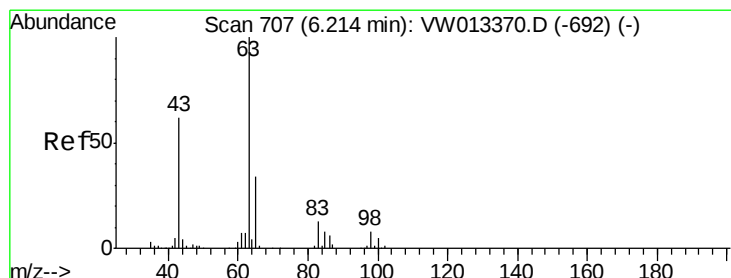
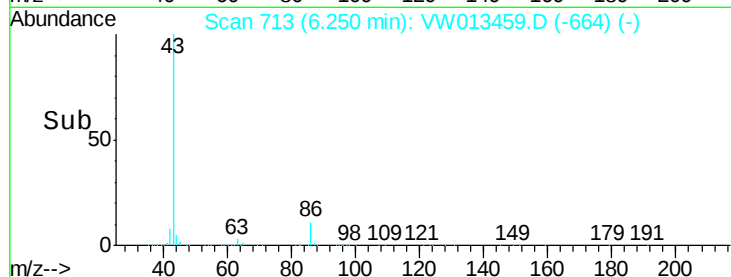
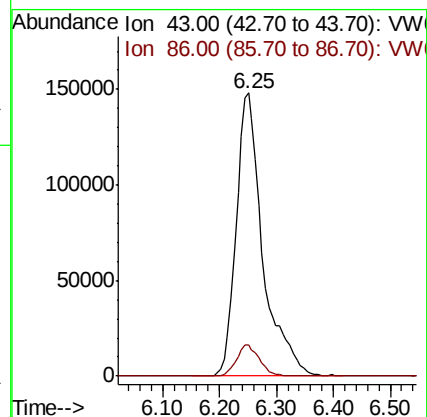
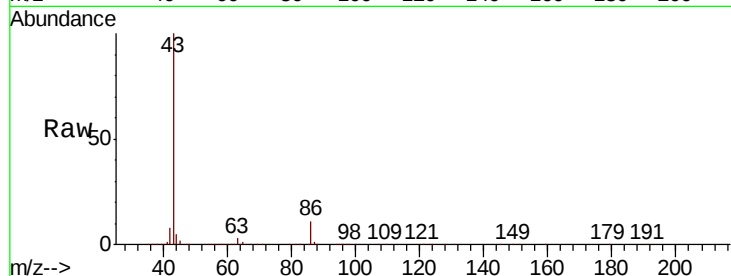
86 11.1 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.505 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

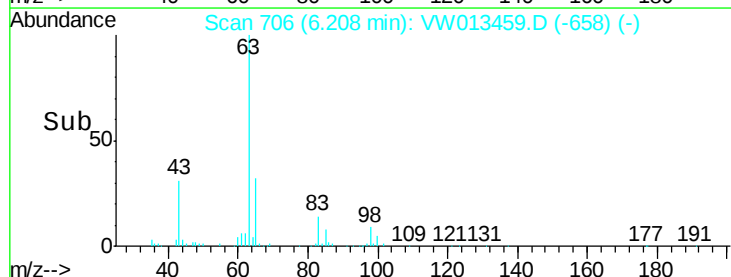
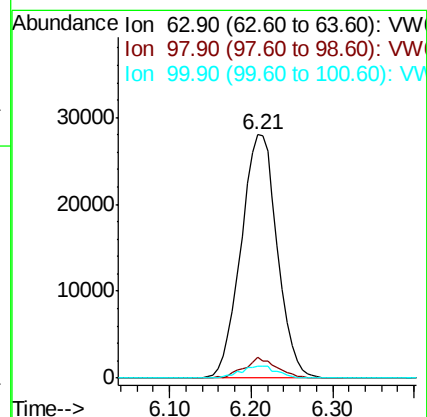
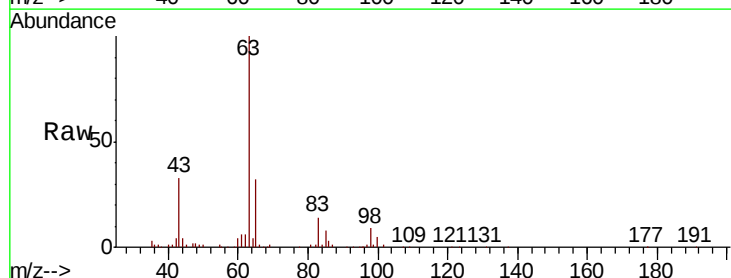
Tgt Ion: 63 Resp: 86324

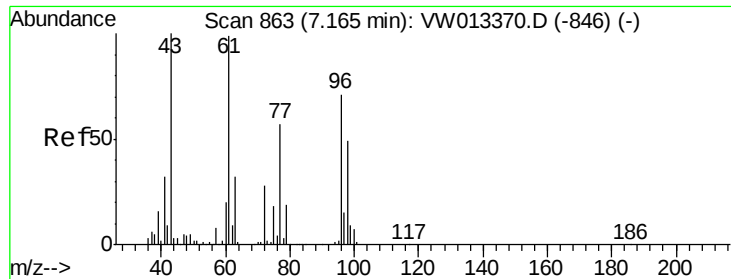
Ion Ratio Lower Upper

63 100

98 8.8 3.5 10.5

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 123.842 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 43 Resp: 100207

Ion Ratio Lower Upper

43 100

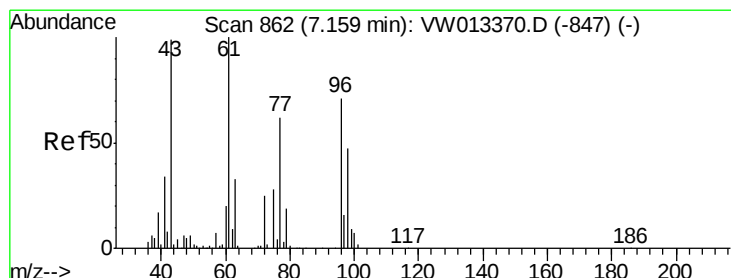
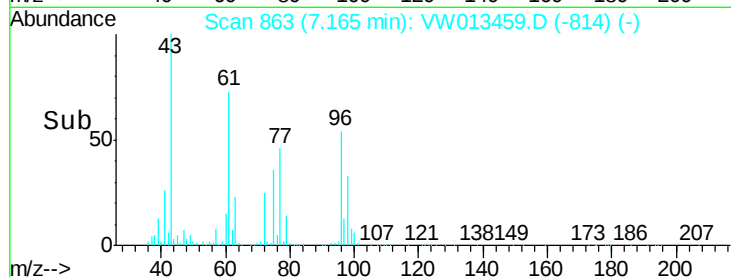
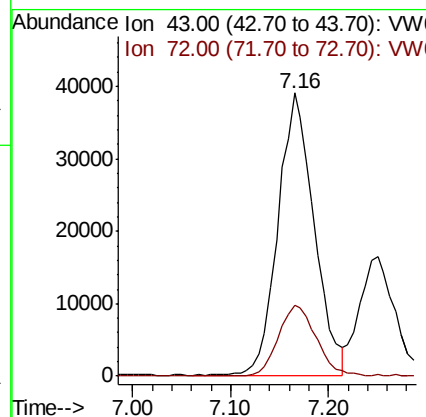
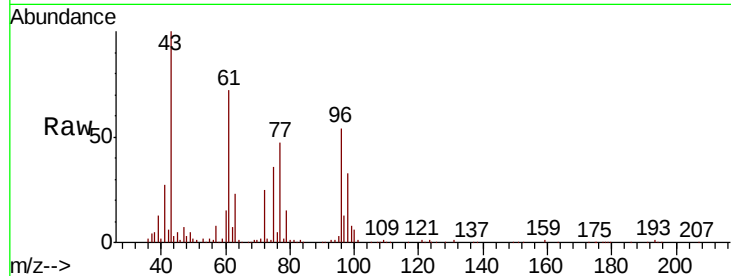
72 25.3 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.950 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW013459.D

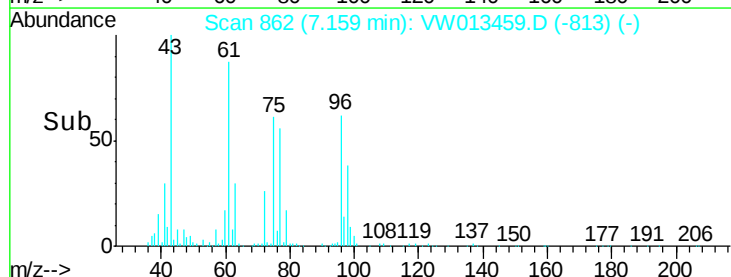
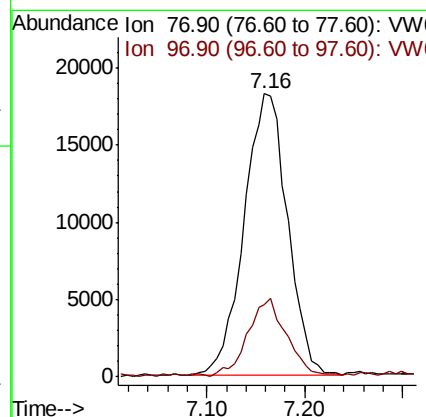
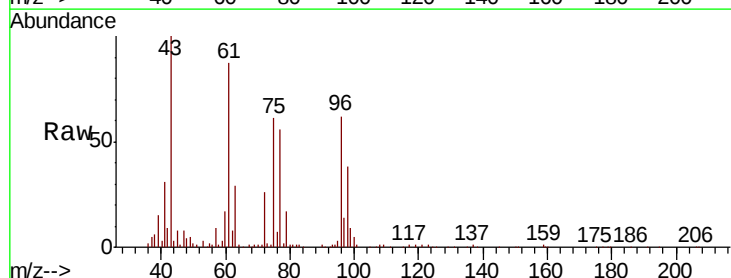
Acq: 07 Oct 2019 13:26

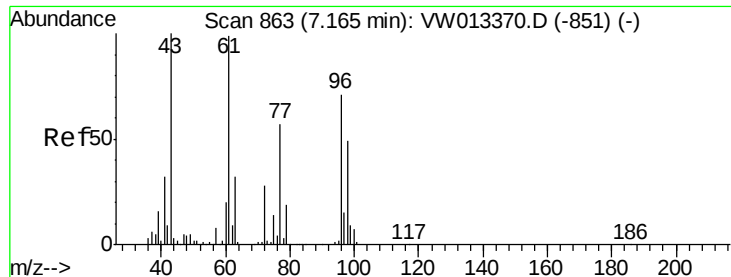
Tgt Ion: 77 Resp: 56115

Ion Ratio Lower Upper

77 100

97 24.4 11.8 35.4





#27

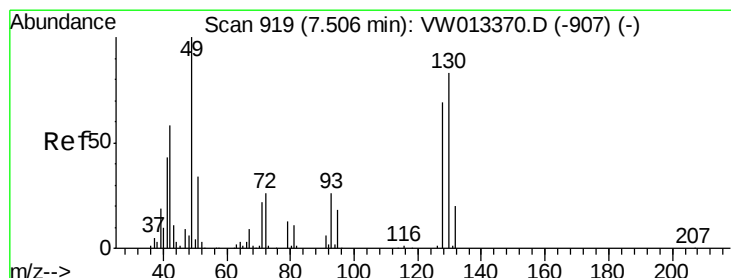
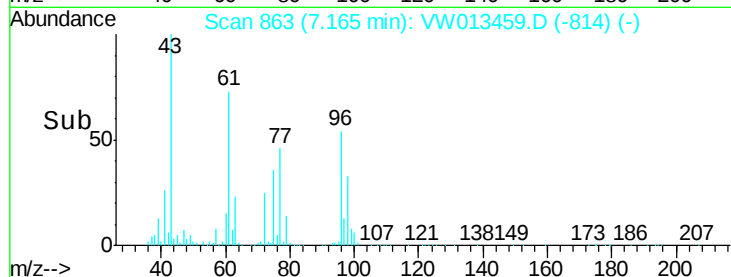
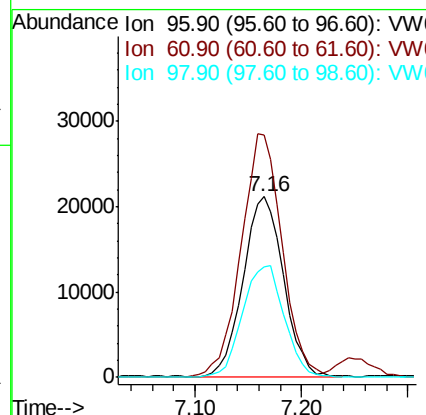
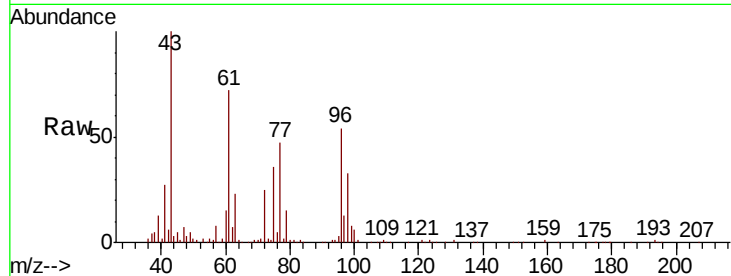
cis-1,2-Dichloroethene
 Concen: 20.042 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	282.4
98	63.4	0.0	128.2

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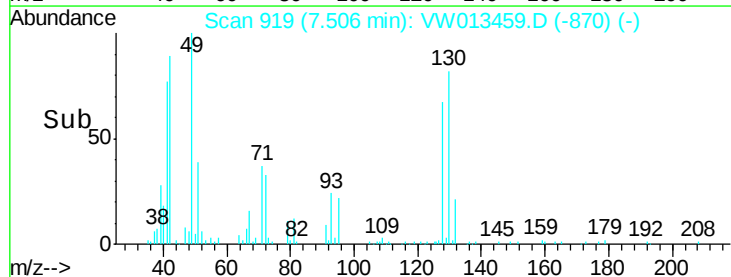
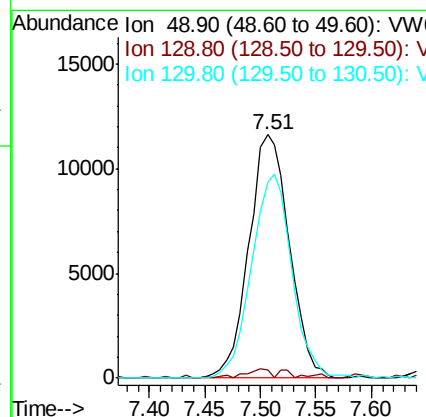
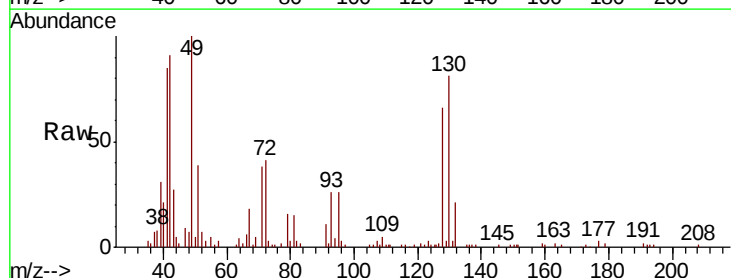
MMDadoda
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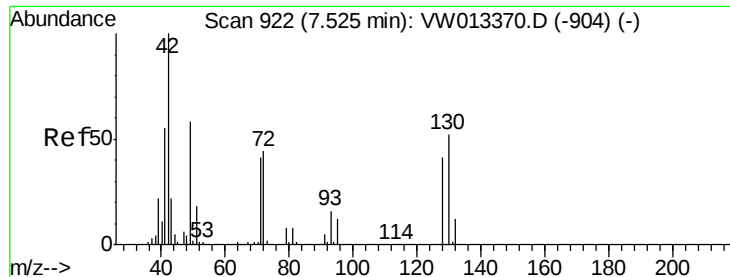


#28

Bromochloromethane
 Concen: 18.430 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	1.0#
130	83.4	63.4	95.2





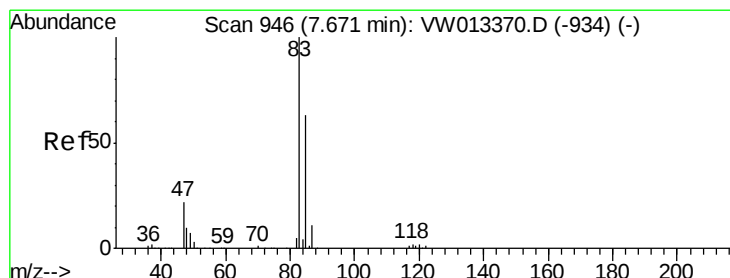
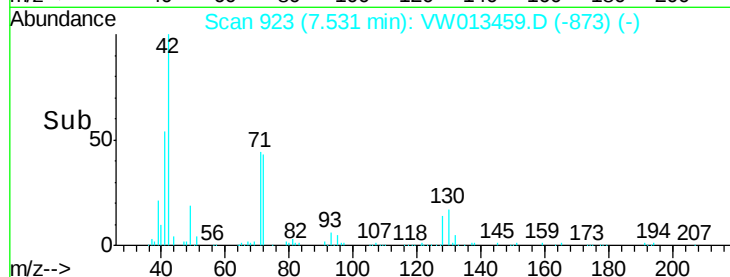
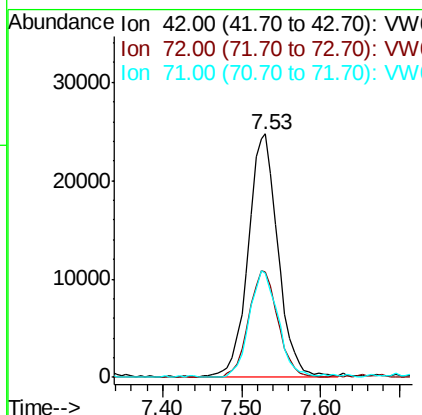
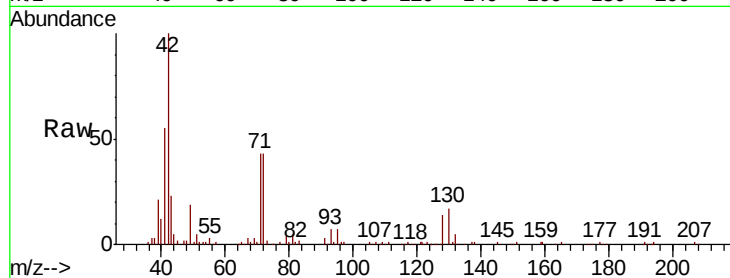
#29
Tetrahydrofuran
Concen: 142.805 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.9	50.9
71	41.7	31.9	47.9

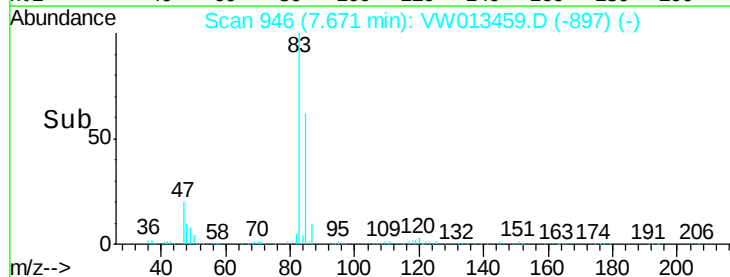
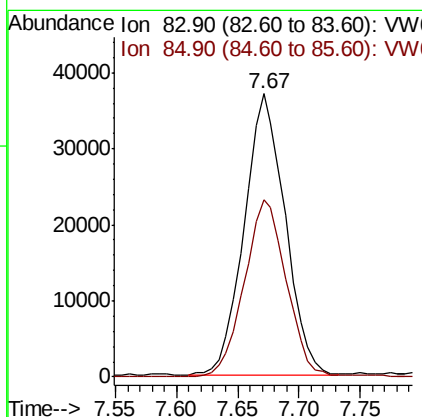
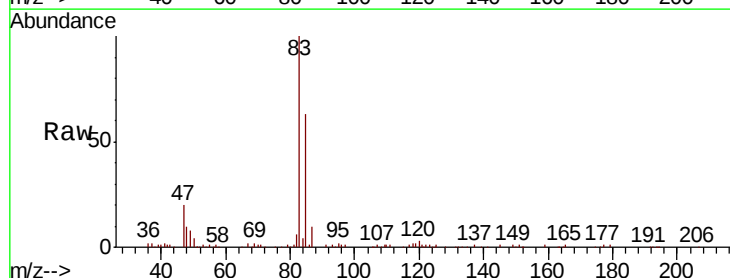
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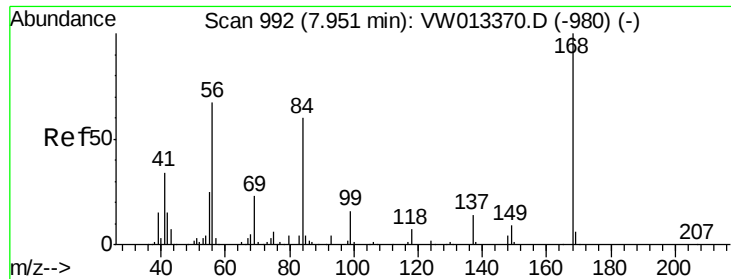
MMDadoda
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#30
Chloroform
Concen: 19.861 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.3	78.5





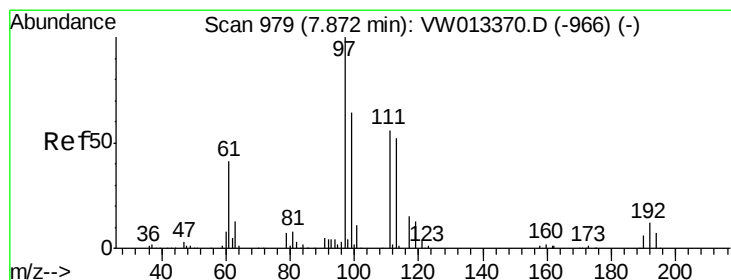
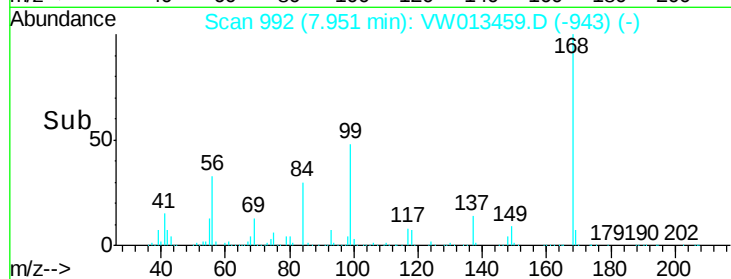
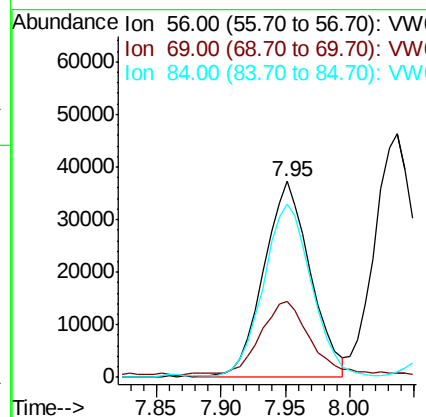
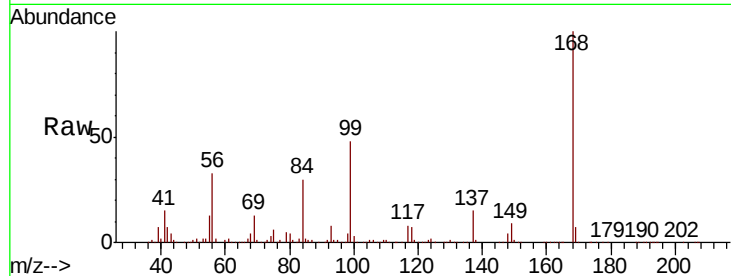
#31
Cyclohexane
Concen: 19.734 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.7	27.2	40.8
84	87.9	70.8	106.2

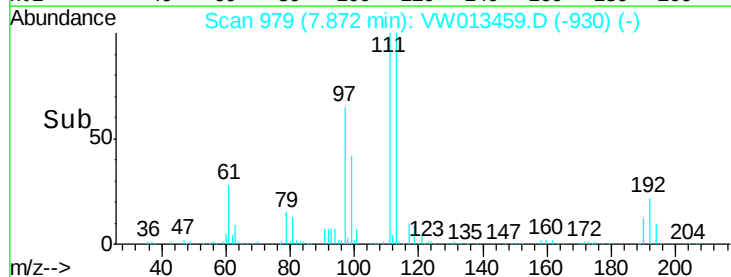
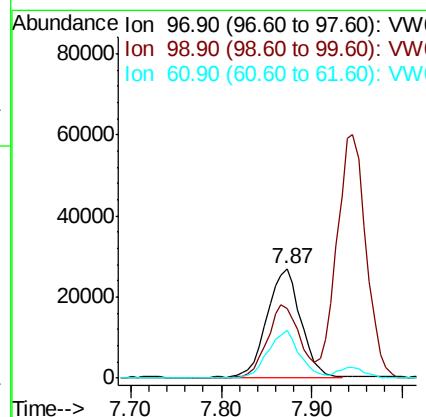
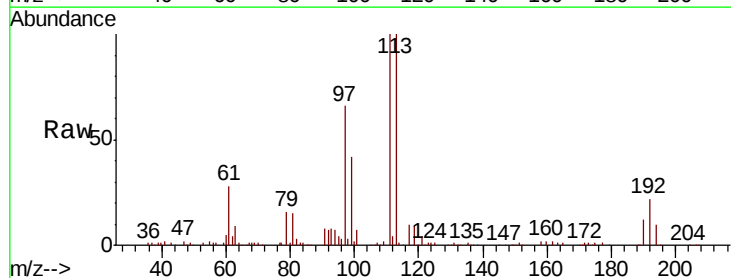
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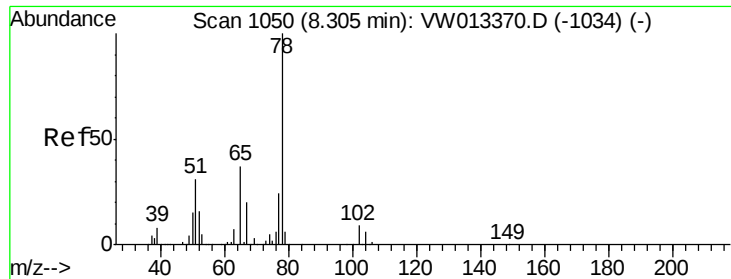
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.423 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.7	77.5
61	40.7	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 55.493 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 65 Resp: 114483

Ion Ratio Lower Upper

65 100

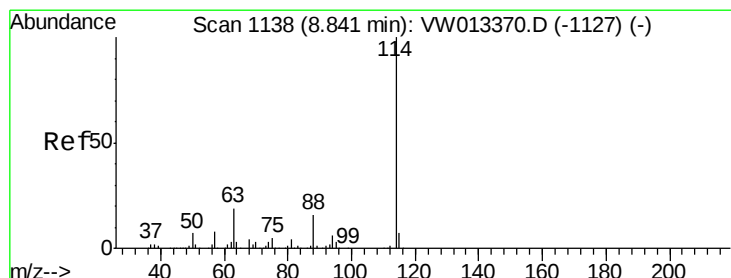
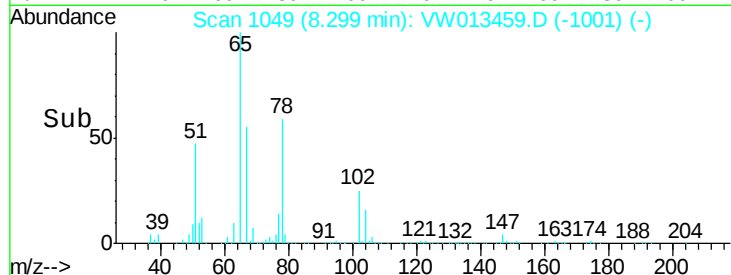
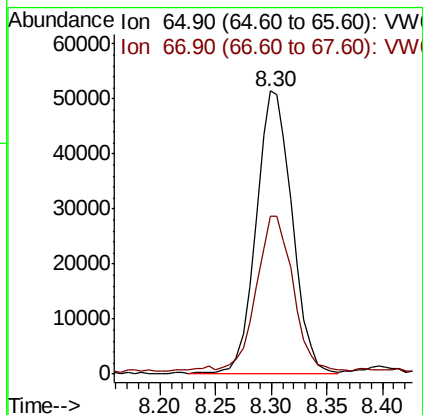
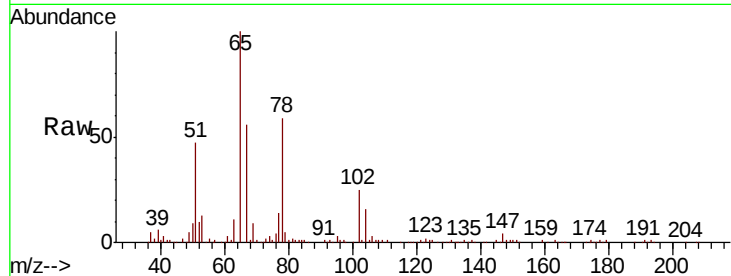
67 57.7 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

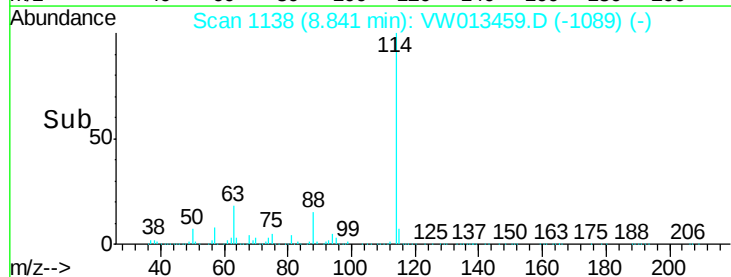
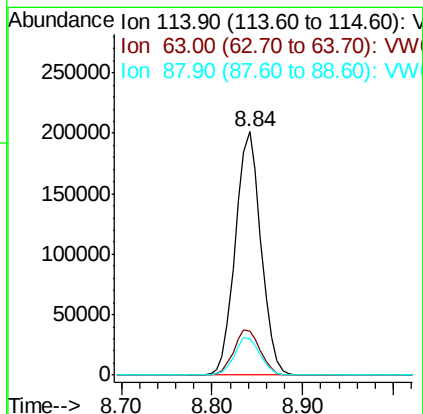
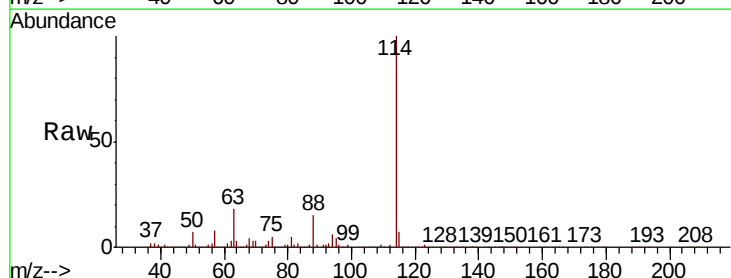
Tgt Ion: 114 Resp: 394656

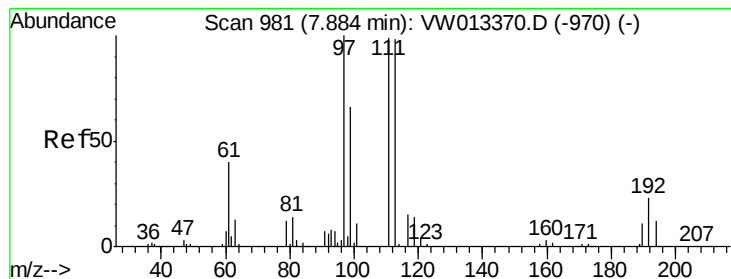
Ion Ratio Lower Upper

114 100

63 17.9 0.0 41.4

88 15.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.653 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

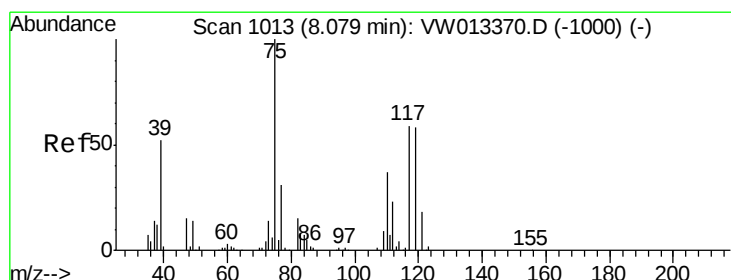
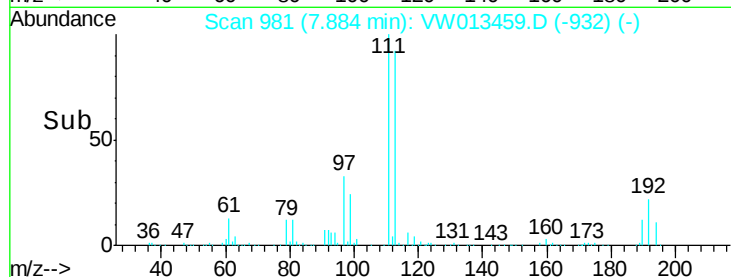
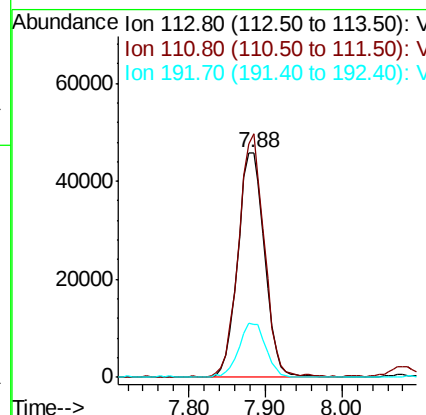
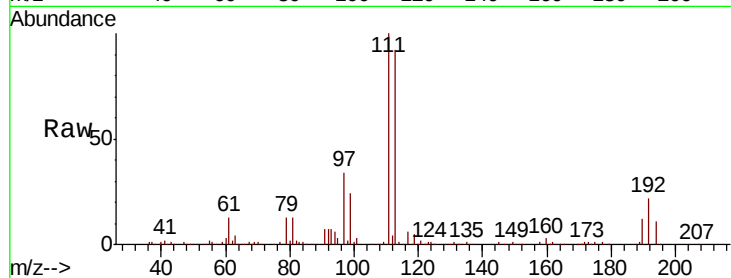
ClientSampleId :

VW1007SBS01

Tot Ion:	113	Resp:	111108
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.9	122.9
192	24.5	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 19.755 ug/l

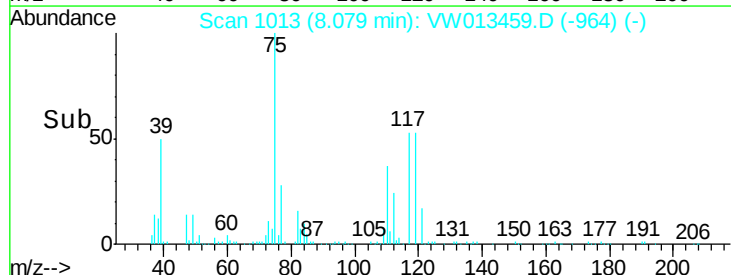
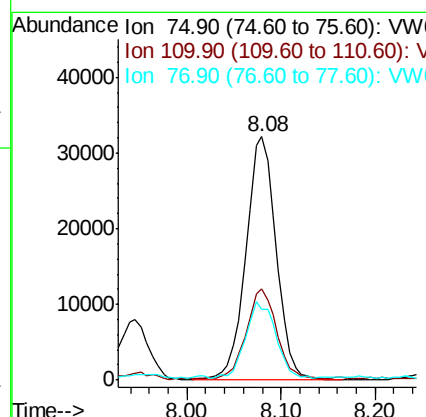
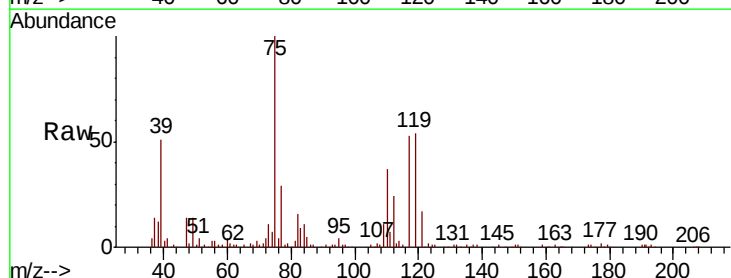
RT: 8.08 min Scan# 1013

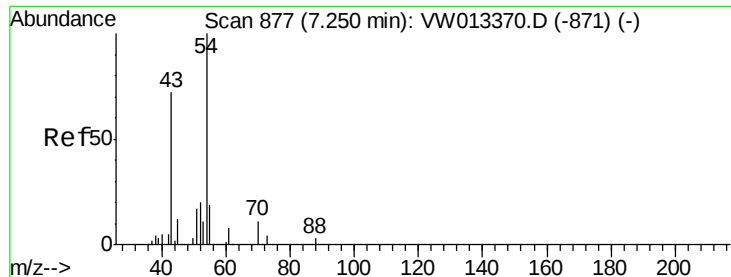
Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Tgt Ion:	75	Resp:	72413
Ion Ratio	Lower	Upper	
75	100		
110	37.4	18.1	54.3
77	30.8	25.8	38.6





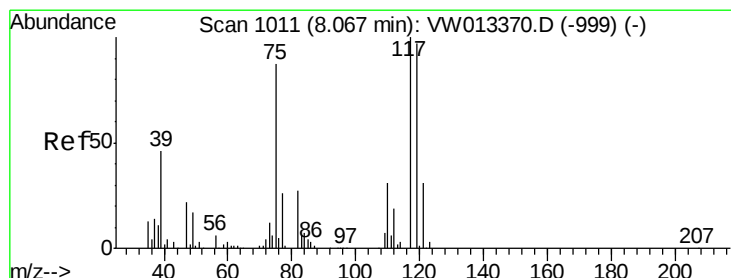
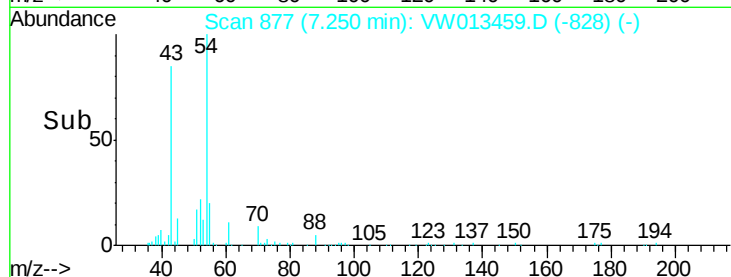
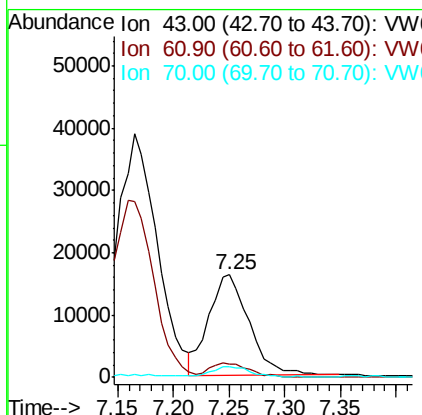
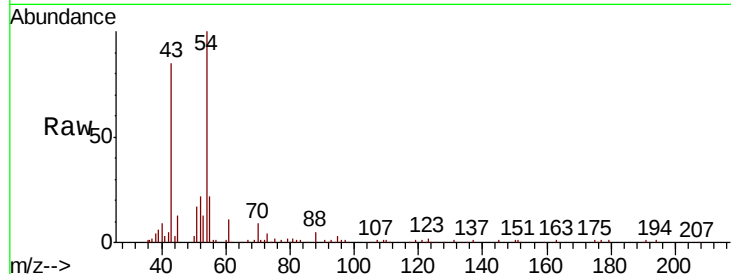
#37
Ethyl Acetate
Concen: 25.378 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	12.1	8.2	12.2

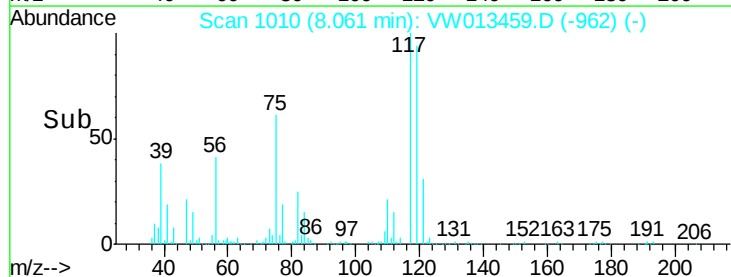
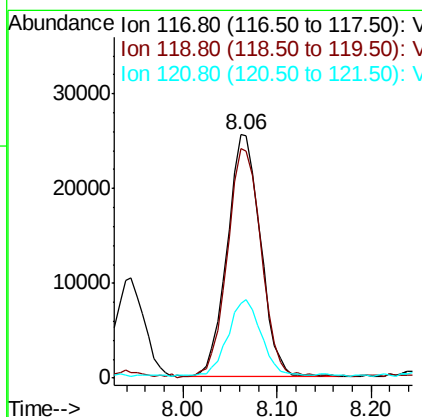
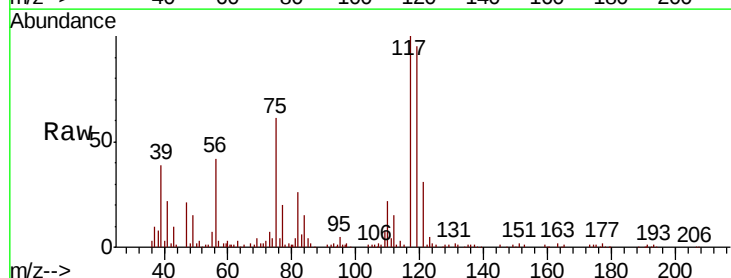
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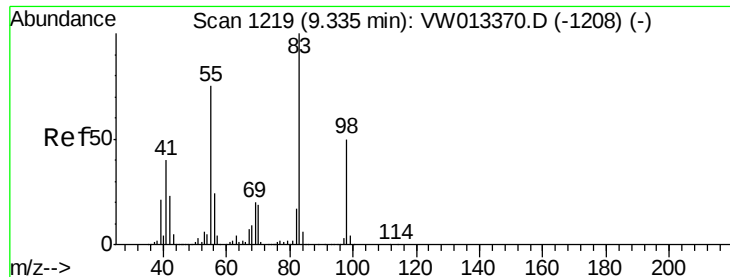
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#38
Carbon Tetrachloride
Concen: 19.807 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	73.5	110.3
121	29.8	25.0	37.6





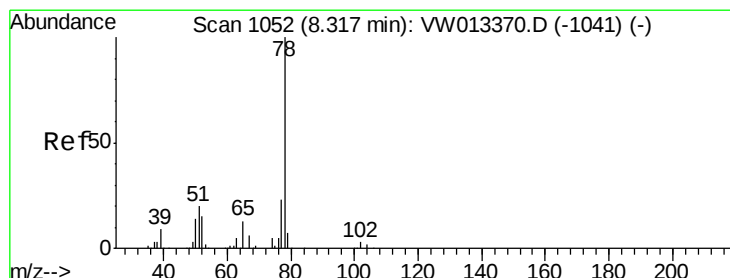
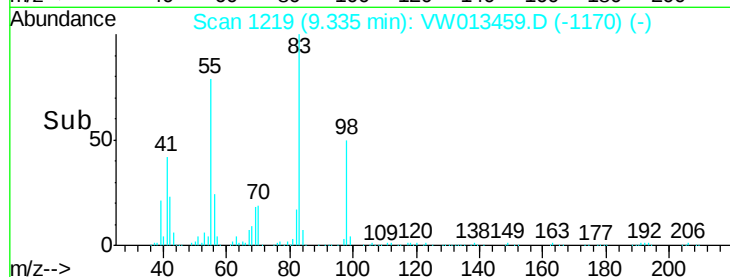
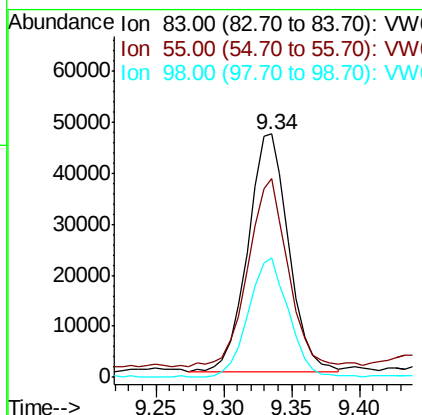
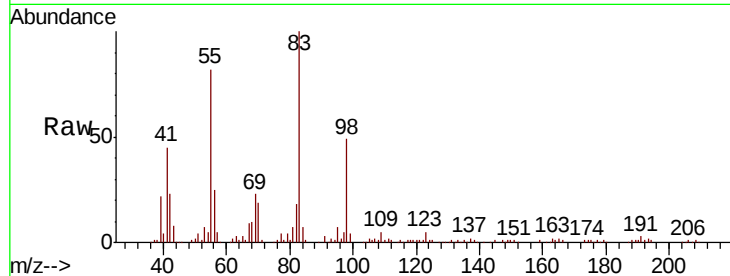
#39
Methvlcvclohexane
Concen: 20.144 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.2	60.4	90.6
98	50.0	40.0	60.0

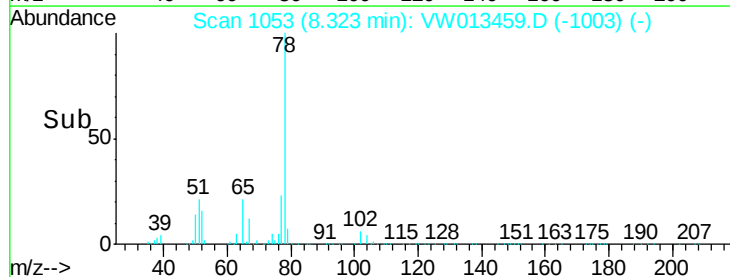
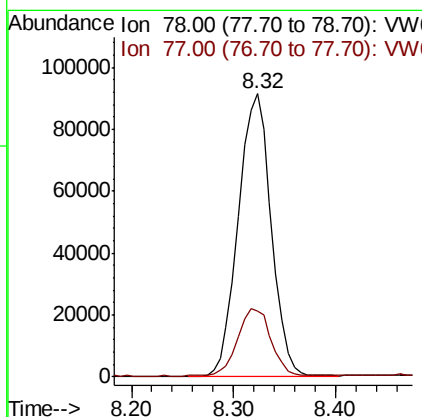
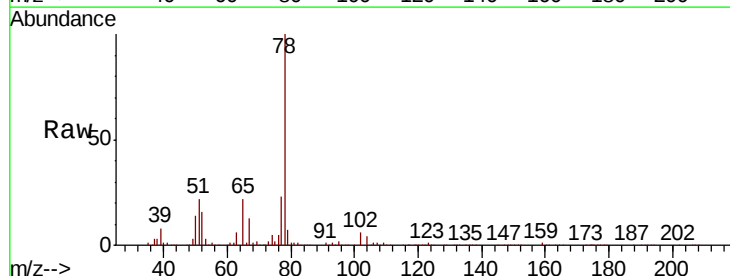
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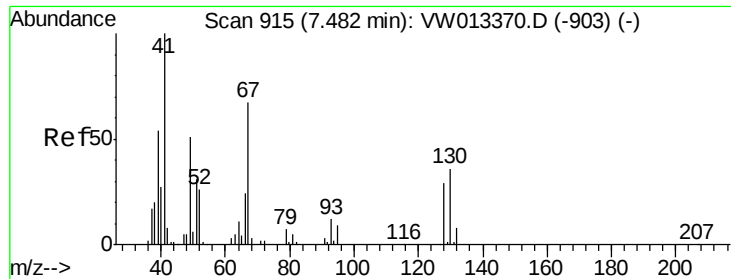
MMDadoda
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#40
Benzene
Concen: 19.737 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.1	28.7





#41

Methacrylonitrile

Concen: 22.786 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

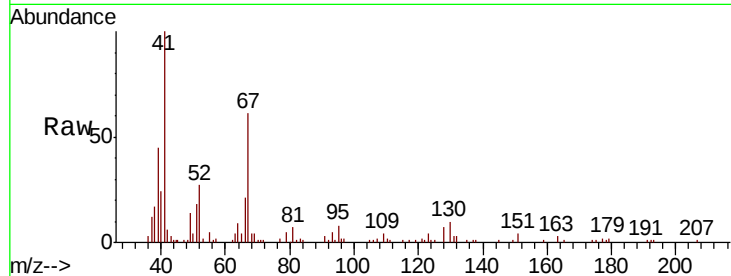
ClientSampleId :

VW1007SBS01

Tot Ion	Ion	Ratio	Lower	Upper
22226	41	100		
	39	61.4	45.9	68.9
	67	77.4	54.5	81.7
	52	31.1	22.5	33.7

Manual Integrations
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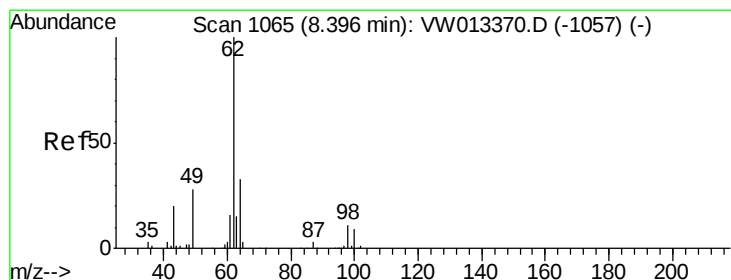
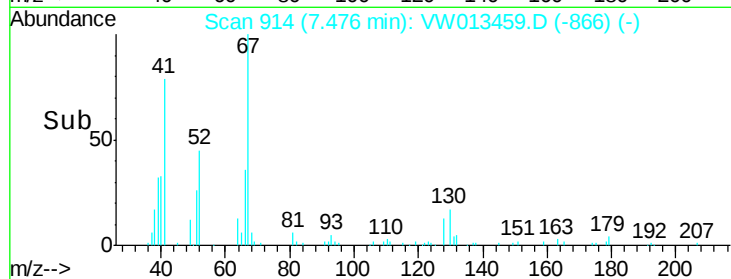
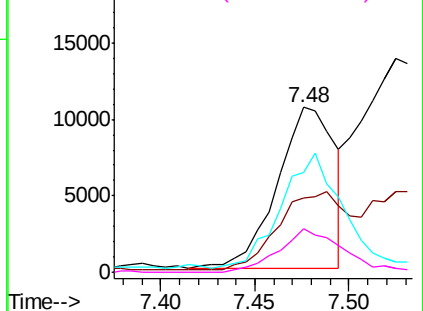
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 20.476 ug/l

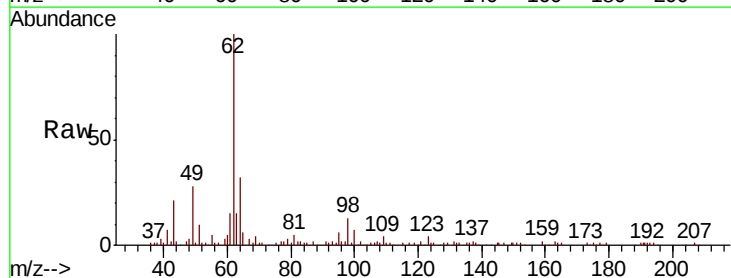
RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

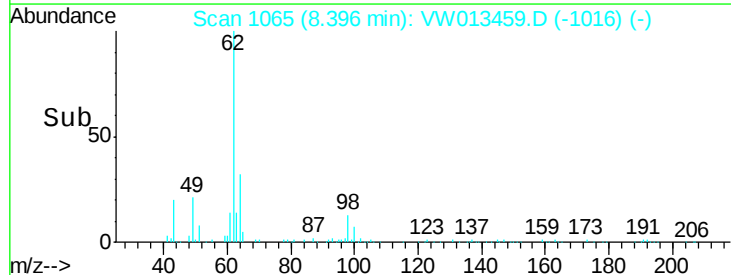
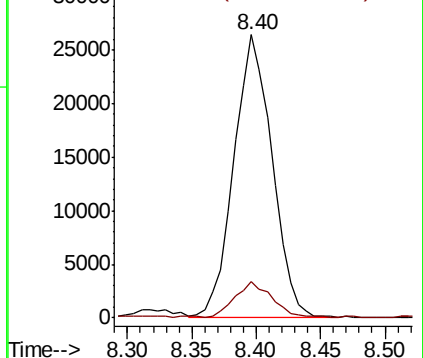
Tgt Ion	Ion	Ratio	Lower	Upper
54608	62	100		
	98	12.3	0.0	20.6

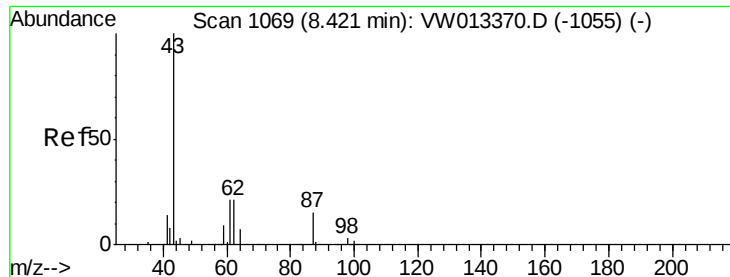


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 24.030 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

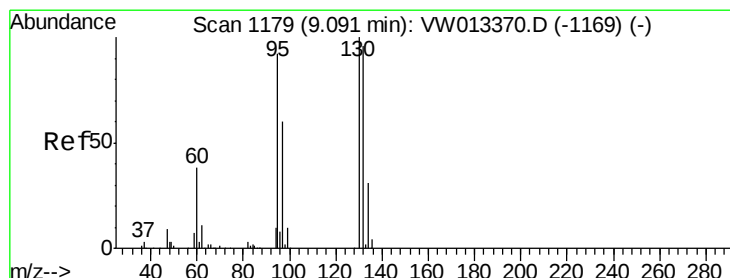
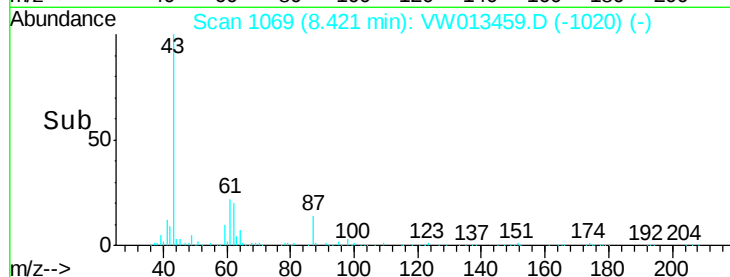
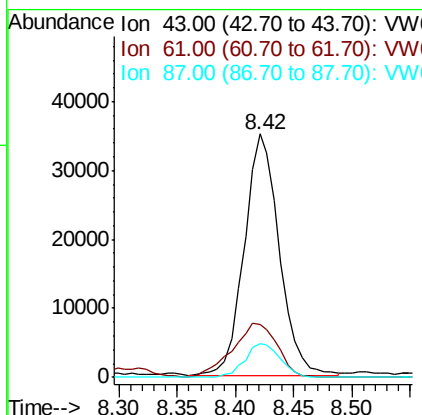
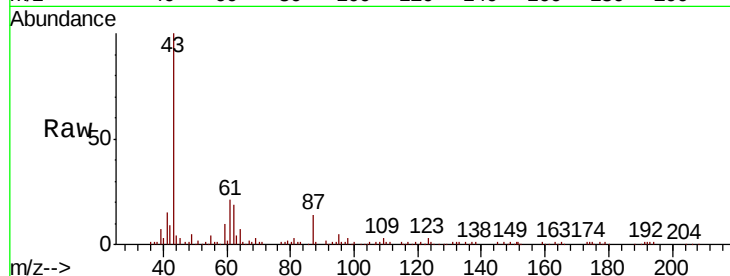
ClientSampleId :

VW1007SBS01

Tot Ion:	43	Resp:	73168
Ion	Ratio	Lower	Upper
43	100		
61	29.2	25.5	38.3
87	14.4	11.0	16.4

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#44

Trichloroethene

Concen: 19.985 ug/l

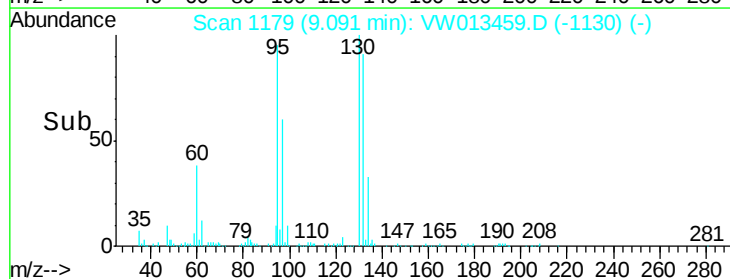
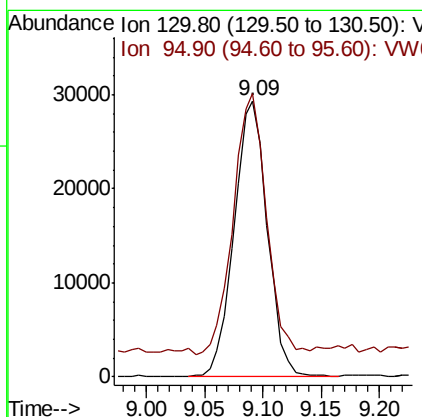
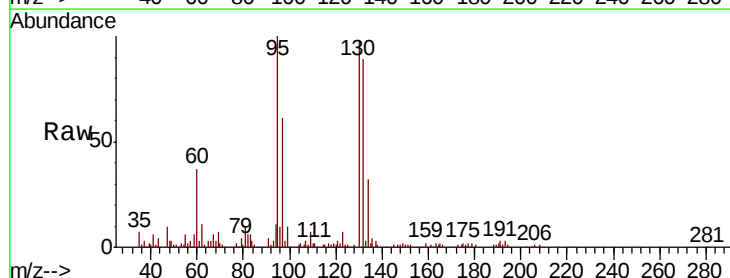
RT: 9.09 min Scan# 1179

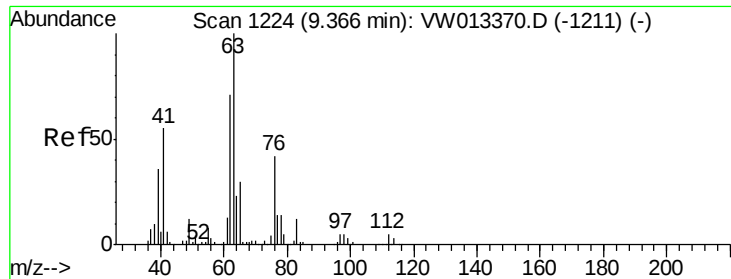
Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Tgt Ion:	130	Resp:	58398
Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	188.0





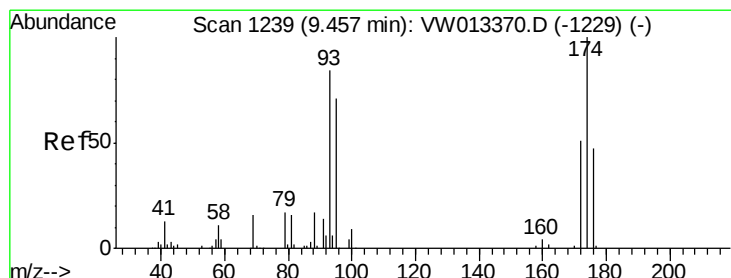
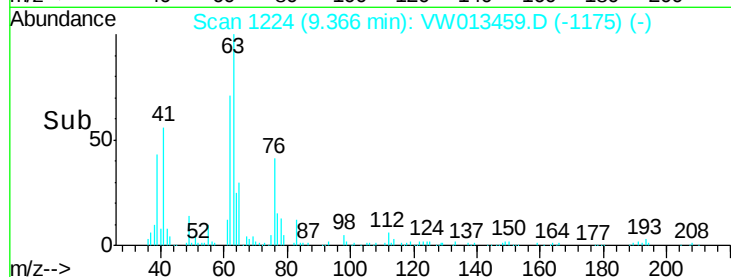
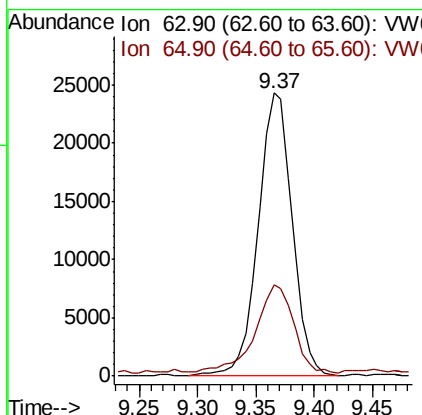
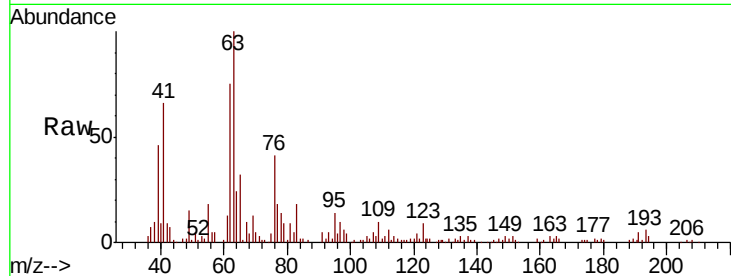
#45
 1,2-Dichloropropane
 Concen: 19.532 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion: 63 Resp: 48663
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.3 37.9

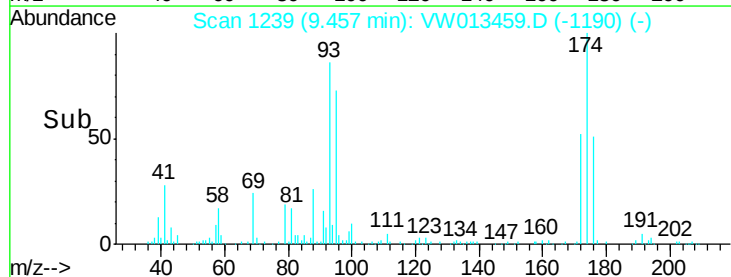
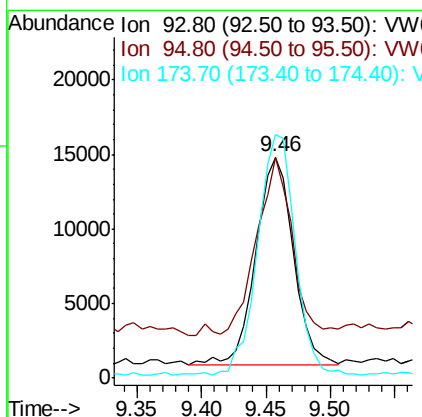
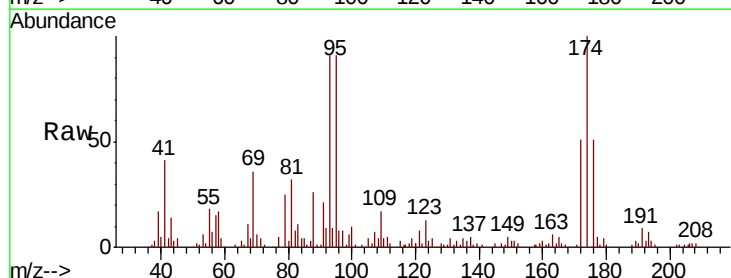
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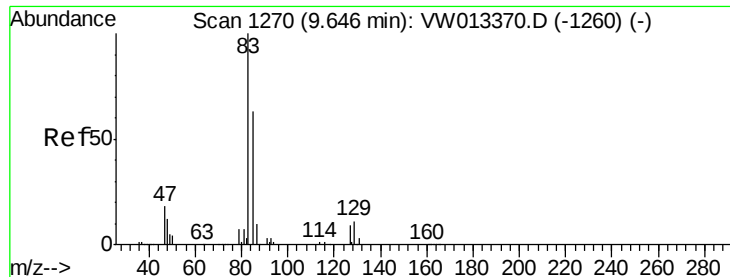
MMDadoda
 10/8/2019 1:31:17 PM



#46
 Dibromomethane
 Concen: 22.825 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Tgt Ion: 93 Resp: 28324
 Ion Ratio Lower Upper
 93 100
 95 79.6 66.4 99.6
 174 114.3 93.0 139.6





#47

Bromodichloromethane

Concen: 20.351 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

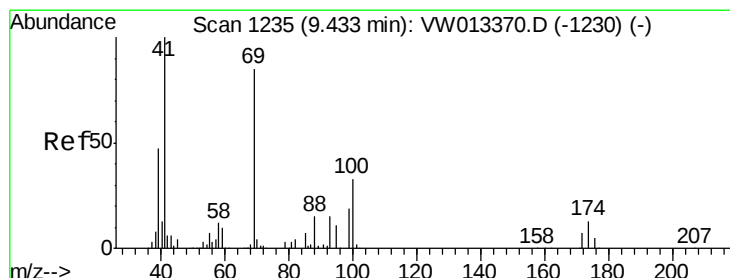
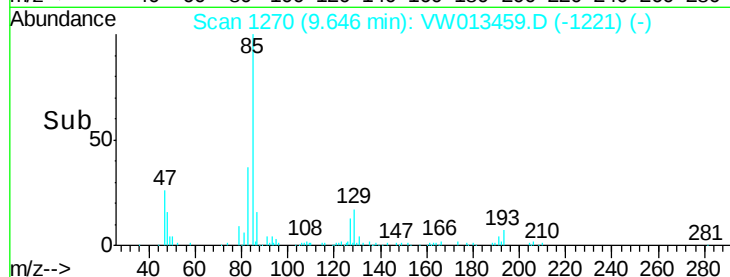
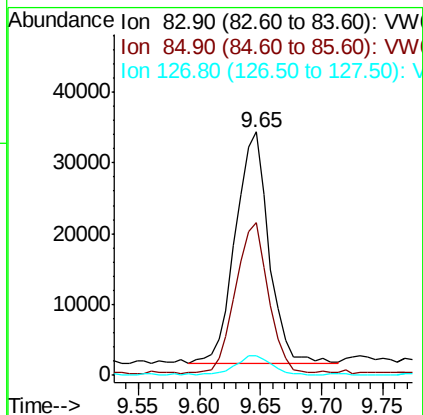
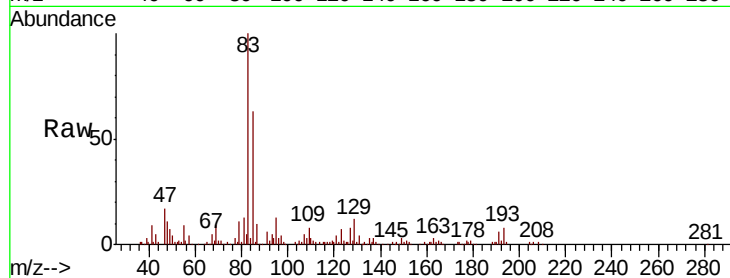
ClientSampleId :

VW1007SBS01

Tot Ion:	83	Resp:	62170
Ion	Ratio	Lower	Upper
83	100		
85	64.8	49.4	74.2
127	8.1	6.5	9.7

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#48

Methyl methacrylate

Concen: 24.169 ug/l

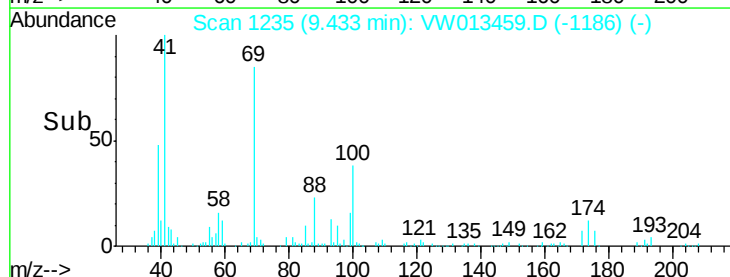
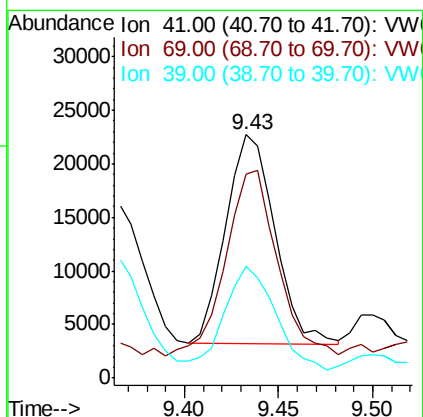
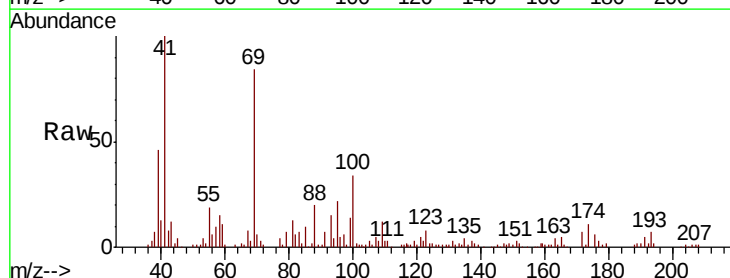
RT: 9.43 min Scan# 1235

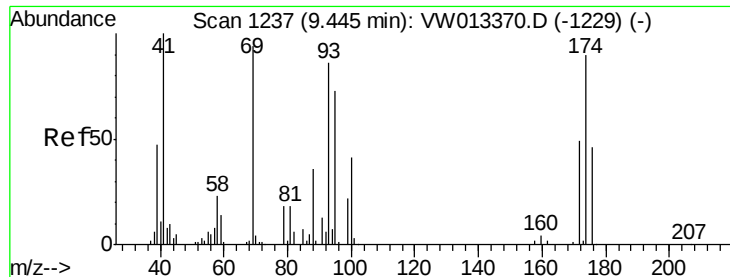
Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Tgt Ion:	41	Resp:	35359
Ion	Ratio	Lower	Upper
41	100		
69	92.7	69.7	104.5
39	53.0	41.1	61.7





#49

1,4-Dioxane

Concen: 685.939 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

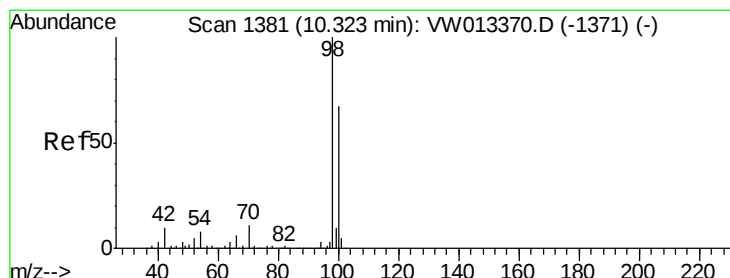
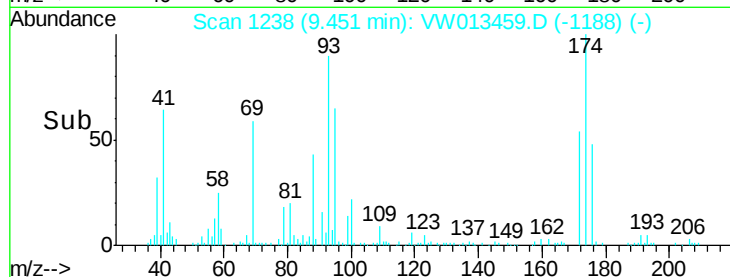
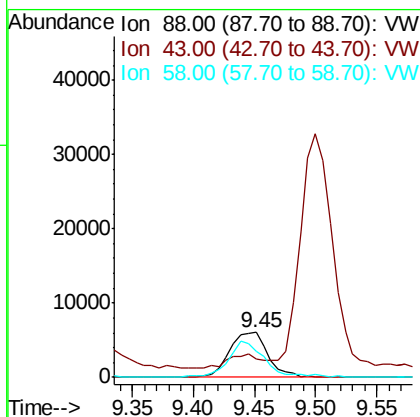
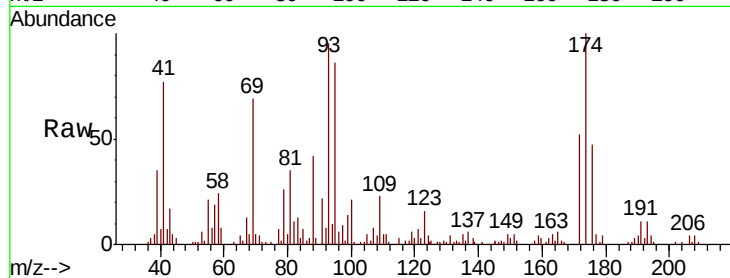
ClientSampleId :

VW1007SBS01

Tot Ion:	88	Resp:	13252
Ion Ratio	Lower	Upper	
88	100		
43	27.9	0.0	0.0#
58	77.1	65.4	98.0

Manual Integrations
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#50

Toluene-d8

Concen: 53.455 ug/l

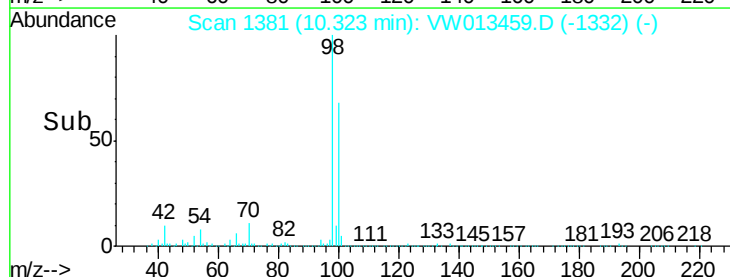
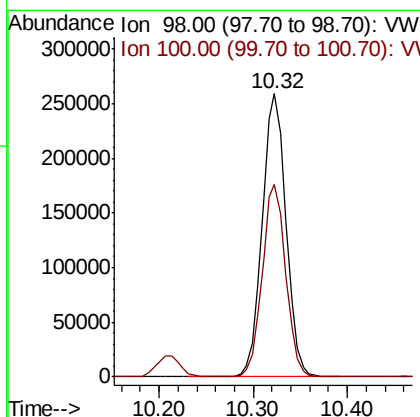
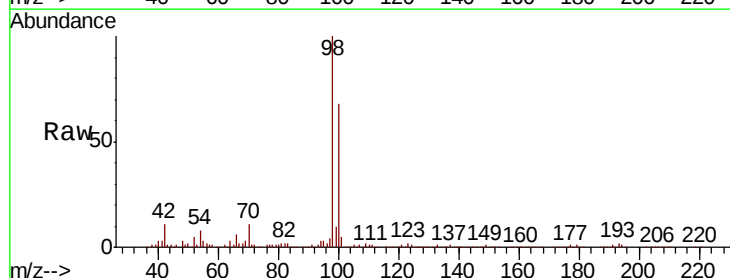
RT: 10.32 min Scan# 1381

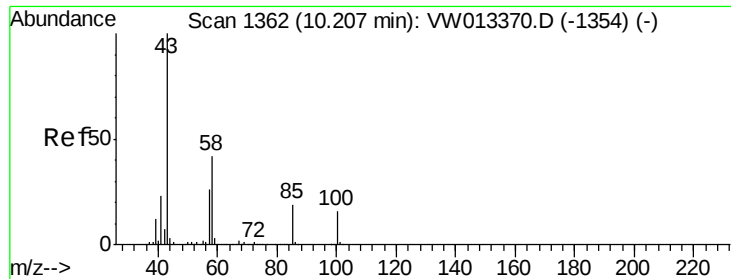
Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Tgt Ion:	98	Resp:	459372
Ion Ratio	Lower	Upper	
98	100		
100	67.2	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 131.143 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 43 Resp: 209795

Ion Ratio Lower Upper

43 100

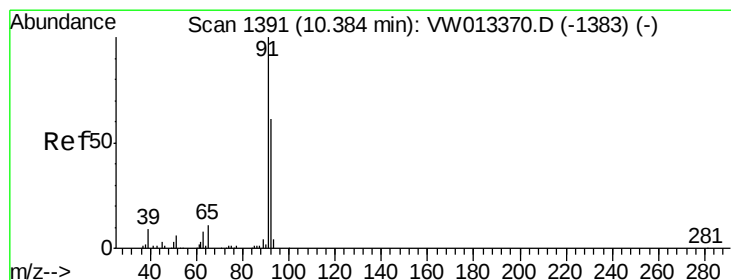
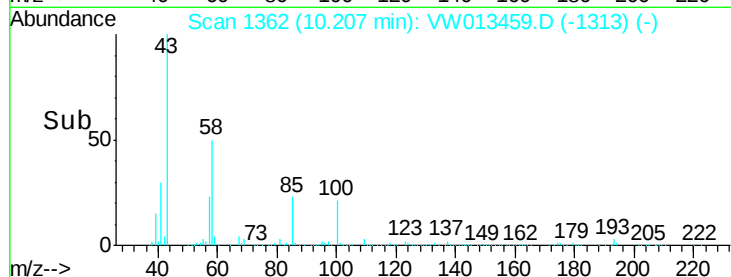
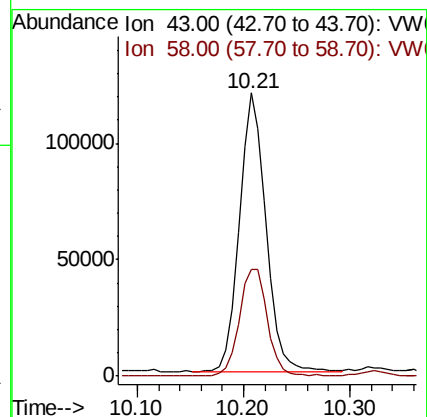
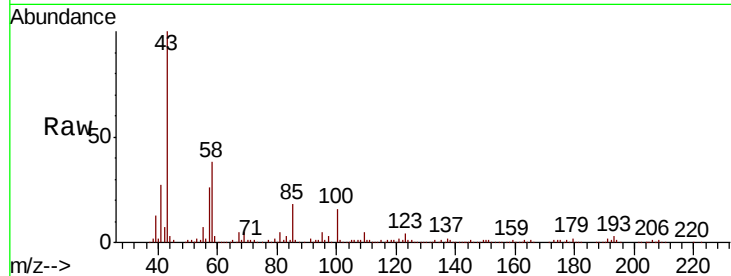
58 40.9 31.7 47.5

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#52

Toluene

Concen: 19.856 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013459.D

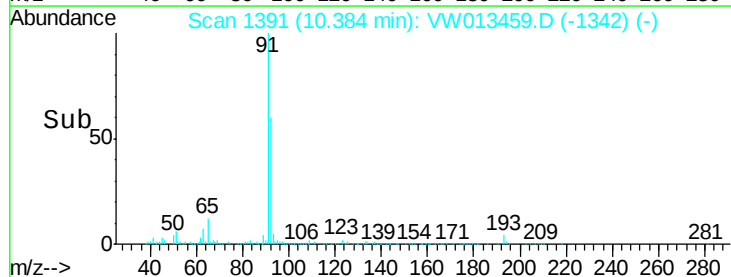
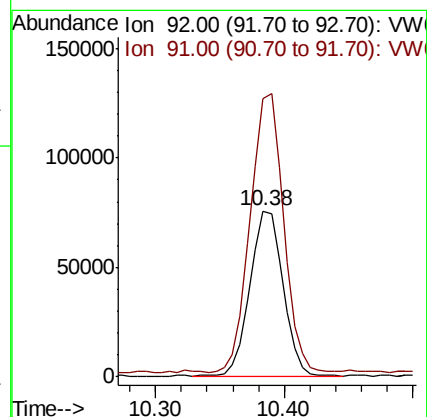
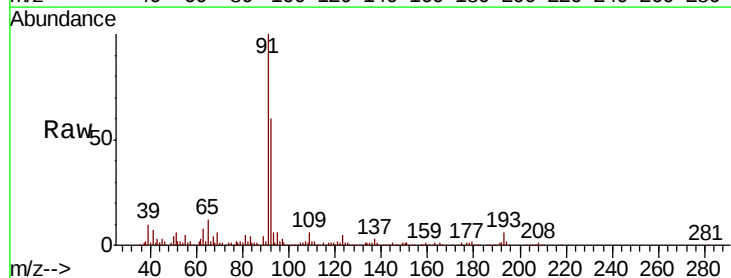
Acq: 07 Oct 2019 13:26

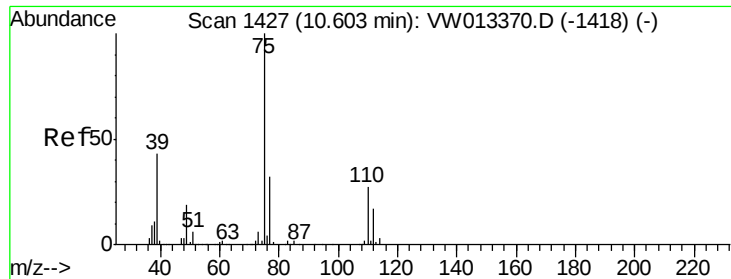
Tgt Ion: 92 Resp: 132896

Ion Ratio Lower Upper

92 100

91 170.3 135.7 203.5





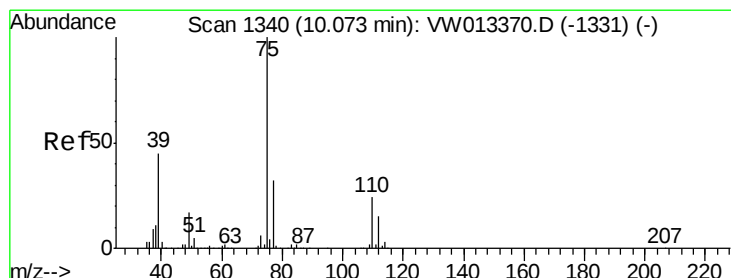
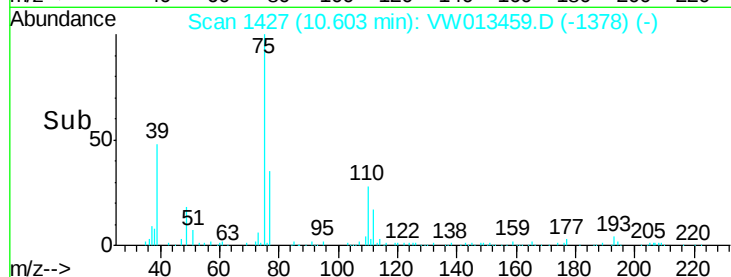
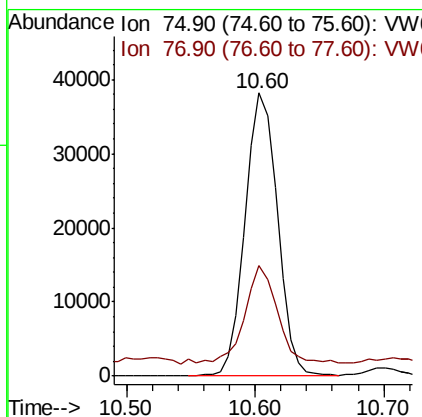
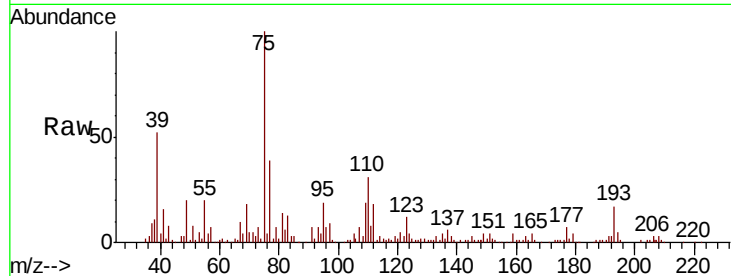
#53
 t-1,3-Dichloropropene
 Concen: 20.949 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.5	38.3

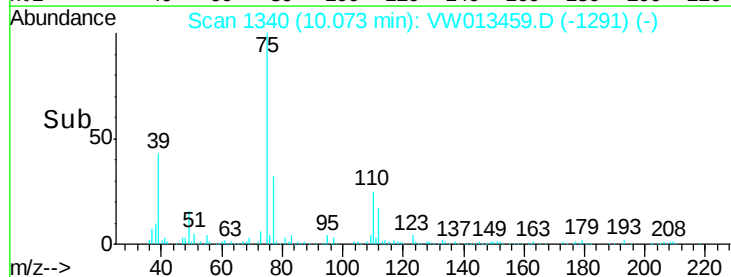
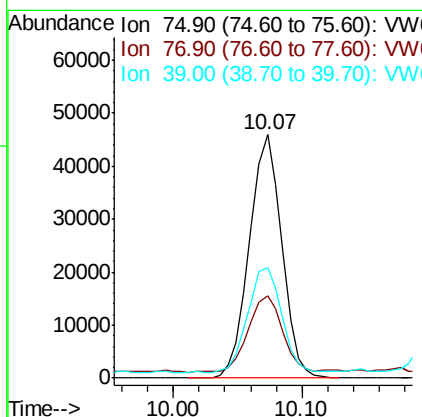
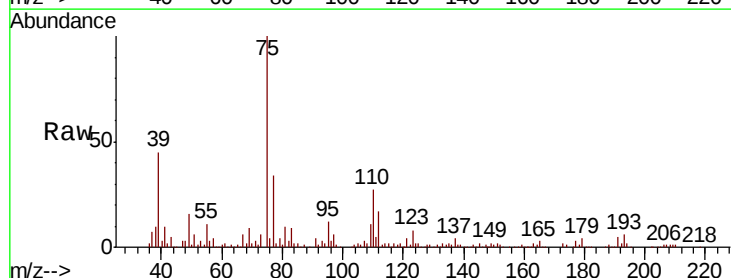
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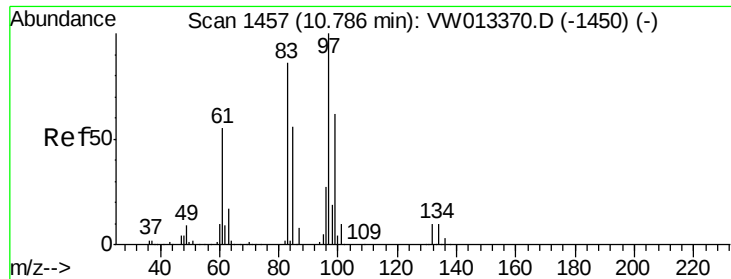
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#54
 cis-1,3-Dichloropropene
 Concen: 20.684 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.2	37.8
39	43.1	36.6	55.0





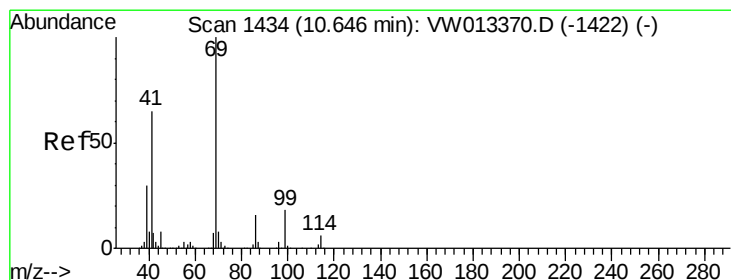
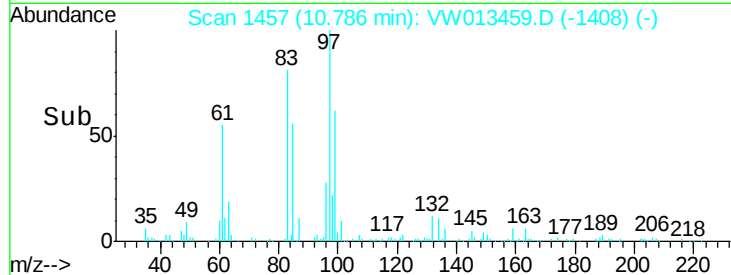
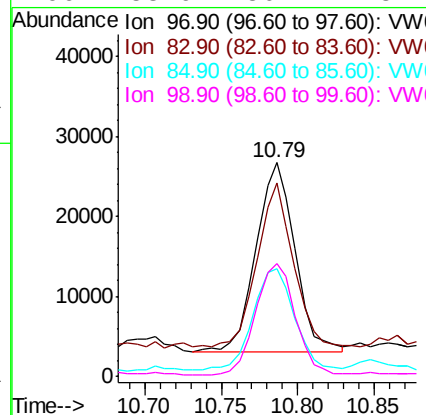
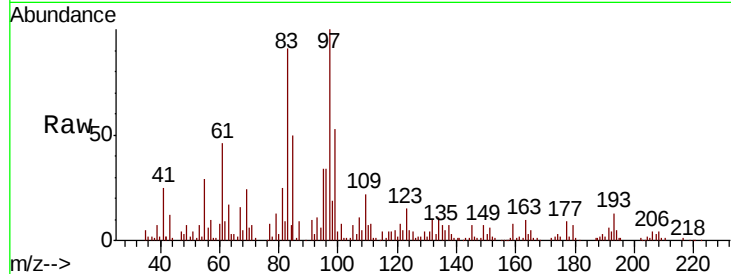
#55
 1,1,2-Trichloroethane
 Concen: 22.485 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		41624		
83	86.9	67.6	101.4		
85	53.2	41.9	62.9		
99	58.9	50.1	75.1		

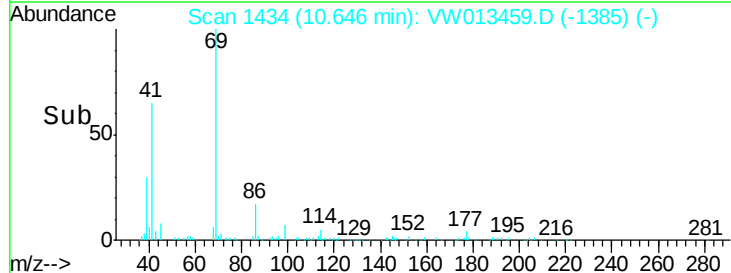
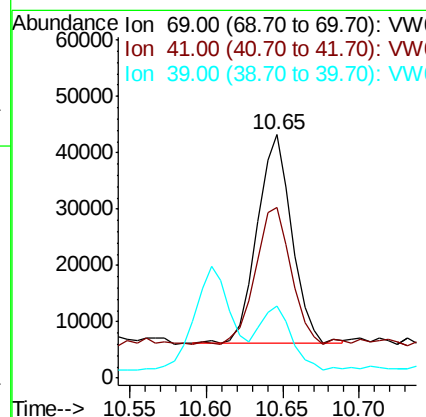
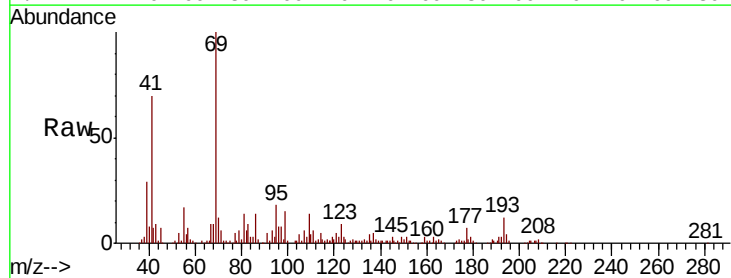
Manual Integrations
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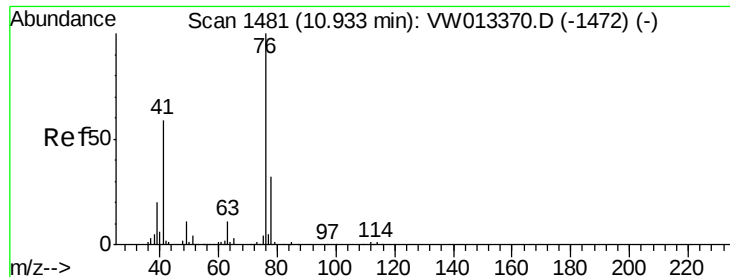
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#56
 Ethyl methacrylate
 Concen: 23.334 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		58140		
41	68.2	53.9	80.9		
39	27.5	23.8	35.6		





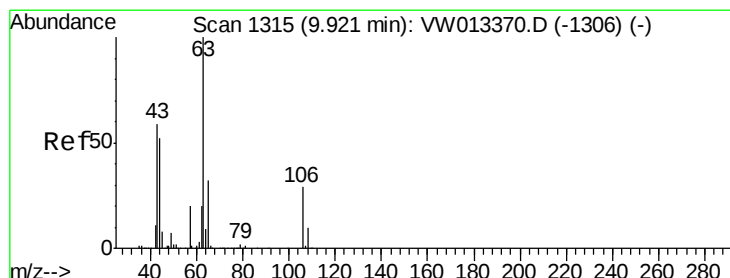
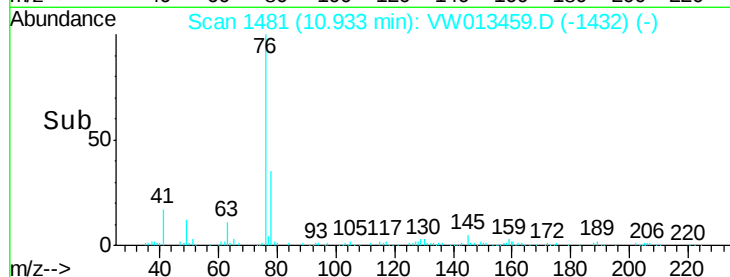
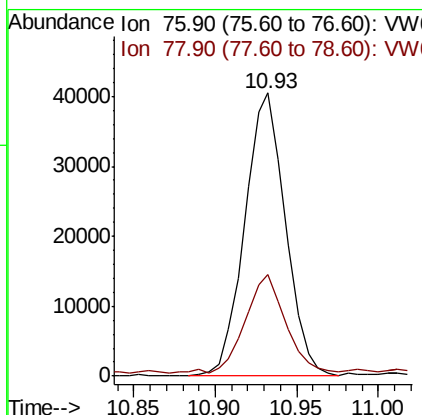
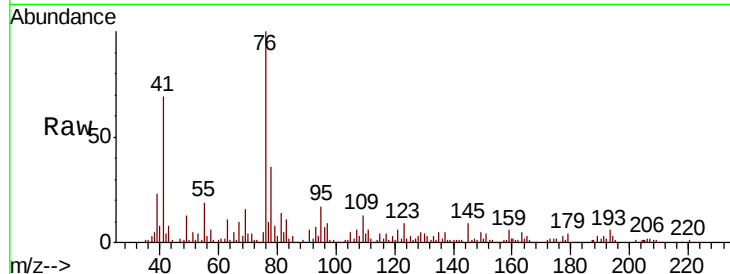
#57
 1,3-Dichloropropane
 Concen: 21.769 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.6	25.5	38.3

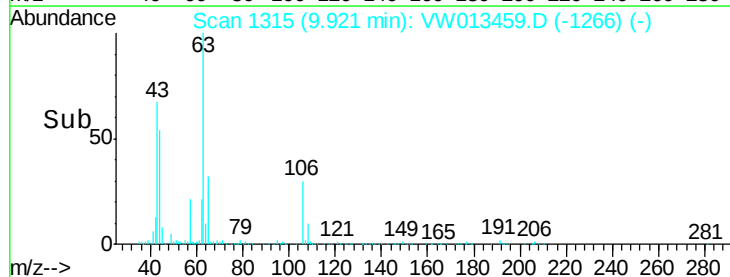
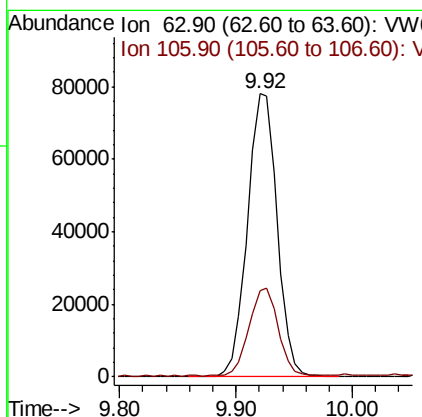
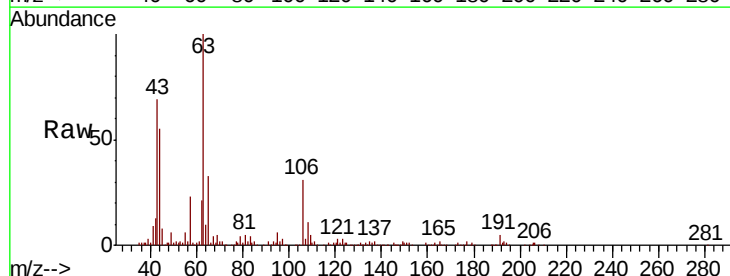
Manual Integrations
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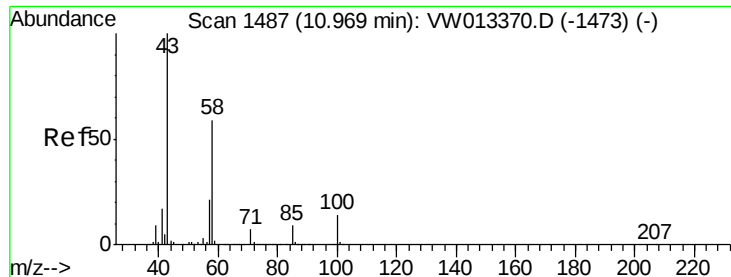
MMDadoda
 10/8/2019 1:31:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 136.021 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	23.4	35.0





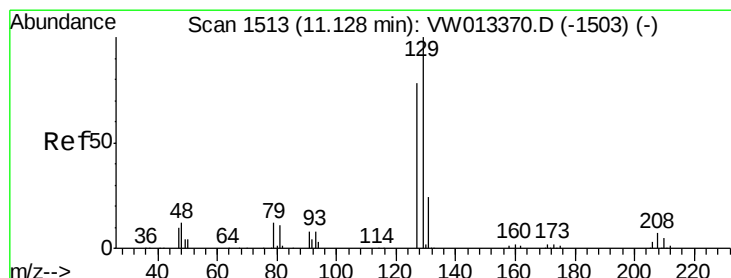
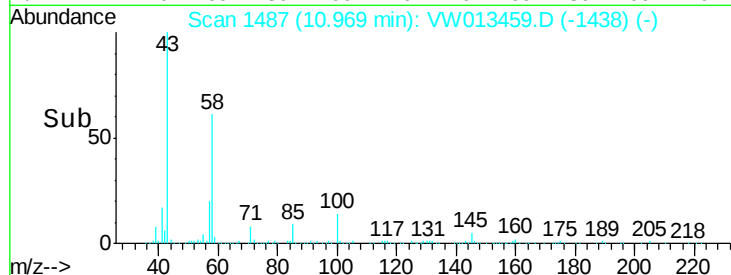
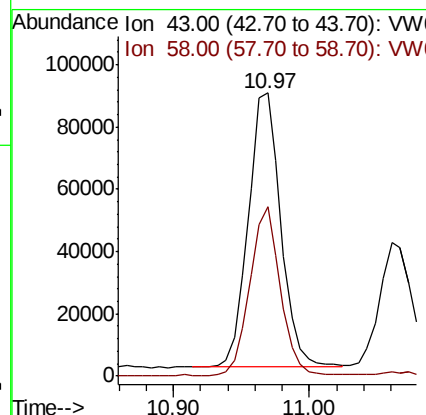
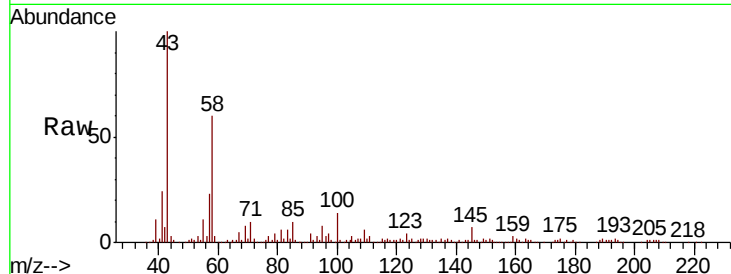
#59
2-Hexanone
Concen: 133.540 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

Tot Ion: 43 Resp: 148072
Ion Ratio Lower Upper
43 100
58 57.6 28.1 84.2

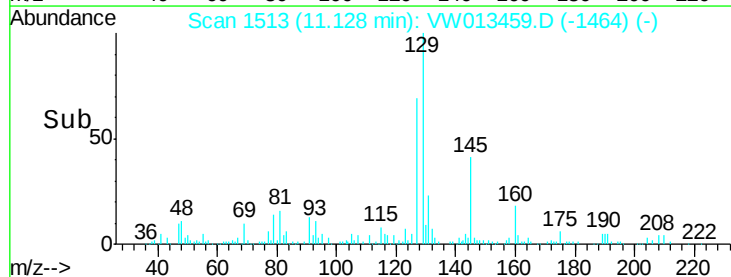
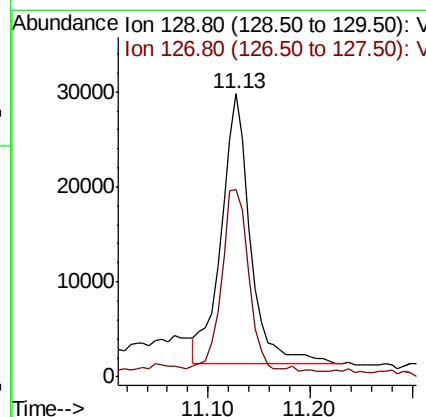
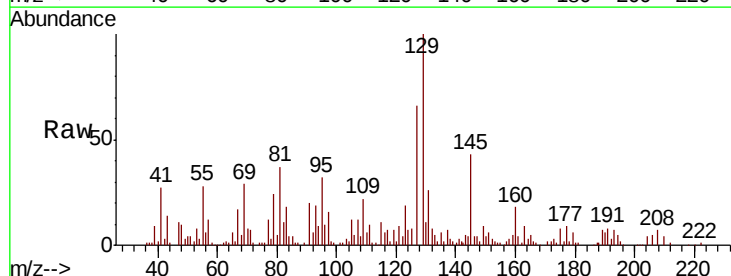
Manual Integrations
APPROVED

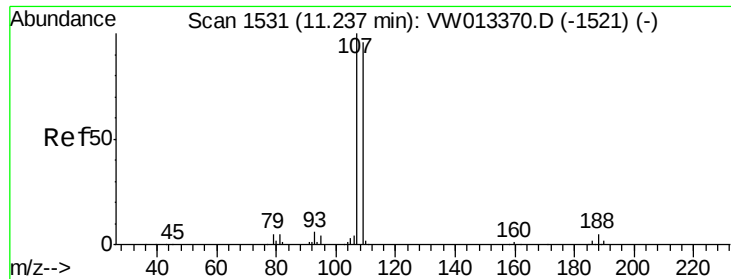
MMDadoda
10/8/2019 1:31:17 PM



#60
Dibromochloromethane
Concen: 26.478 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion: 129 Resp: 56075
Ion Ratio Lower Upper
129 100
127 61.1 38.8 116.4





#61

1,2-Dibromoethane

Concen: 21.481 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion:107 Resp: 38425

Ion Ratio Lower Upper

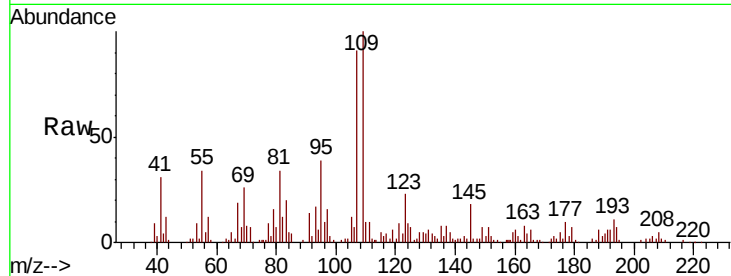
107 100

109 117.5 75.2 112.8#

Manual Integrations
APPROVED

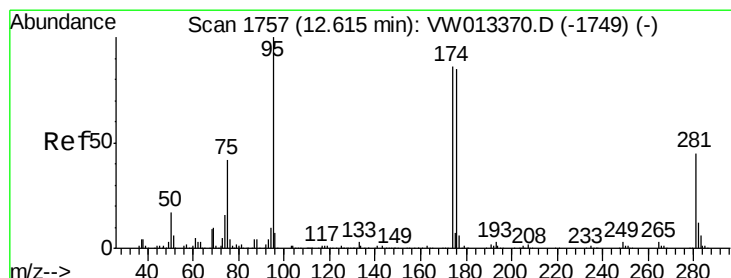
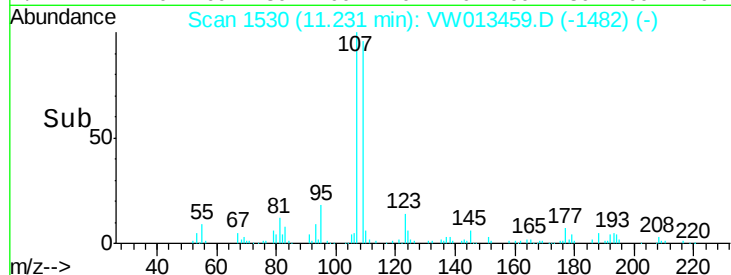
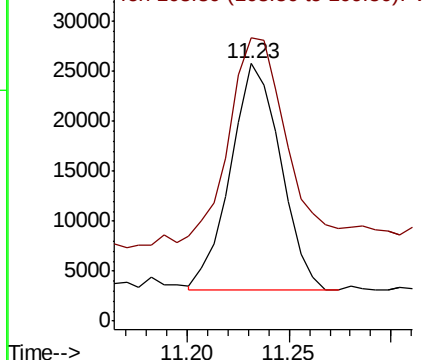
MMDadoda

10/8/2019 1:31:17 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 124.355 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

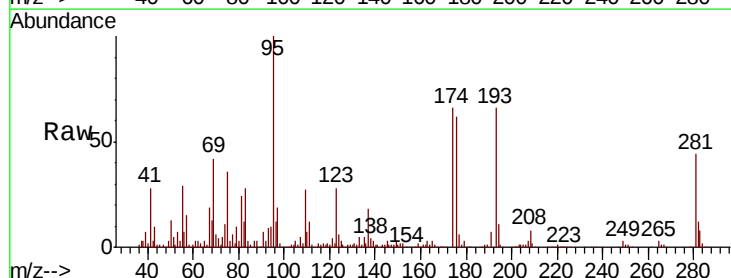
Tgt Ion: 95 Resp: 356868

Ion Ratio Lower Upper

95 100

174 42.5 0.0 178.4

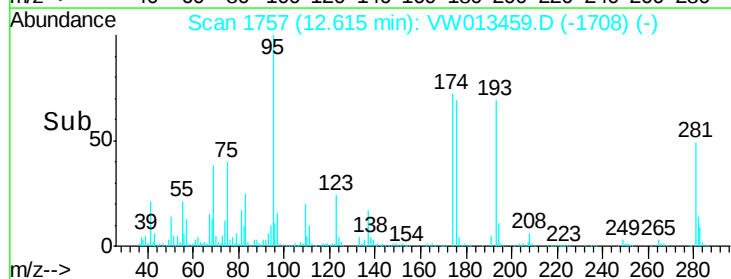
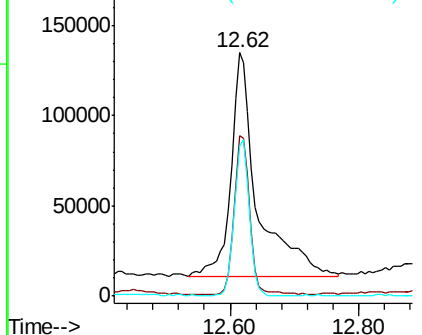
176 40.5 0.0 172.2

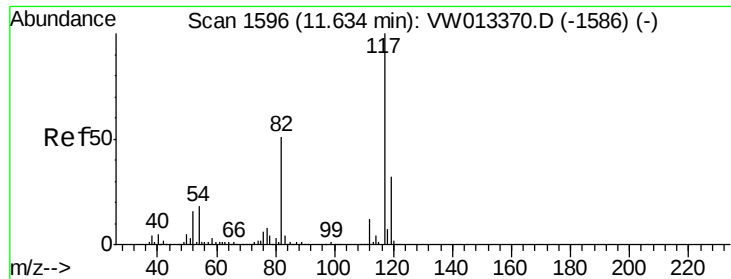


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





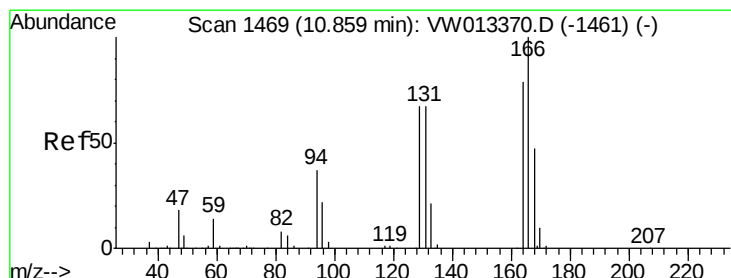
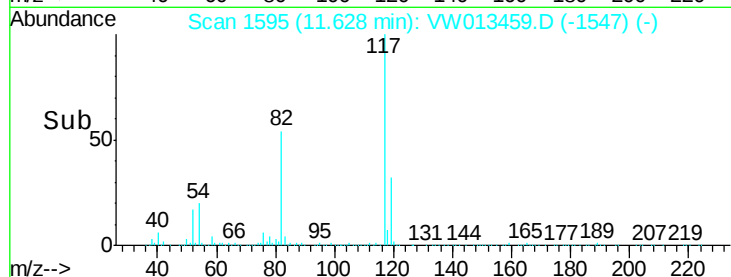
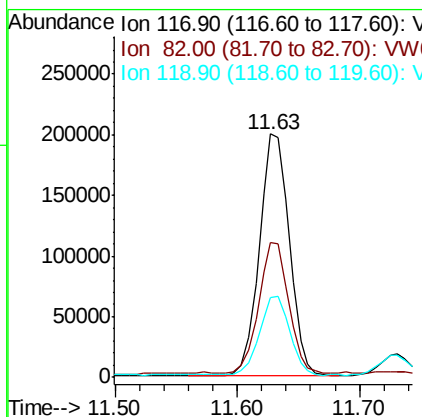
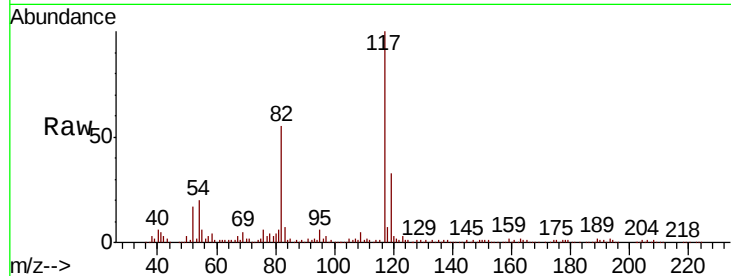
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.9	68.9
119	32.0	26.2	39.2

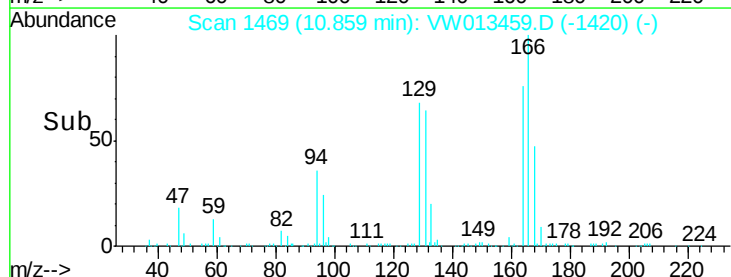
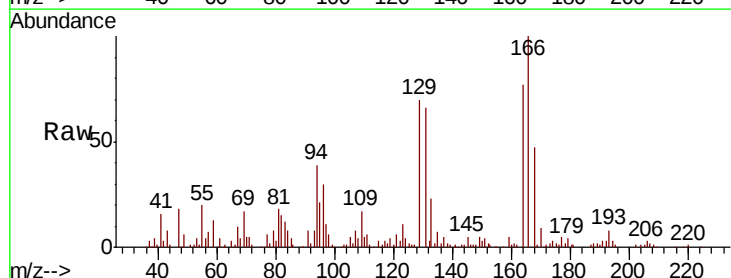
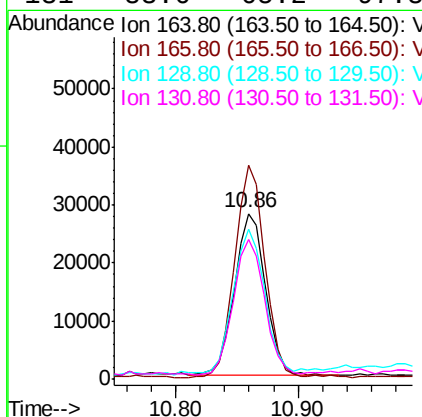
Manual Integrations
APPROVED

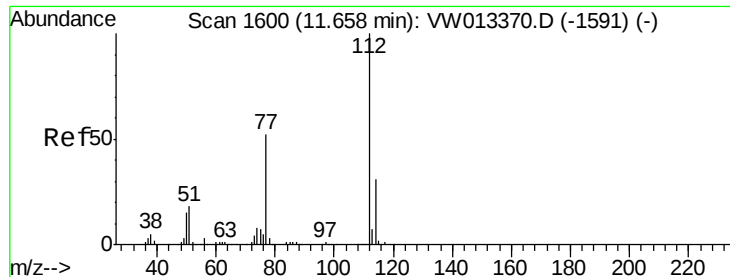
MMDadoda
10/8/2019 1:31:17 PM



#64
Tetrachloroethene
Concen: 18.981 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	101.2	151.8
129	88.4	68.8	103.2
131	83.6	65.2	97.8





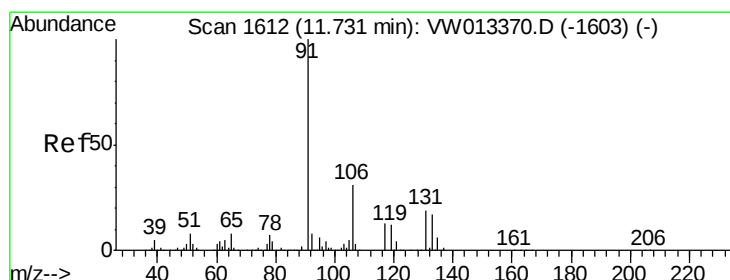
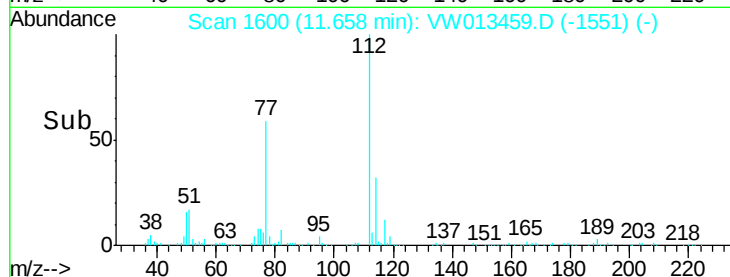
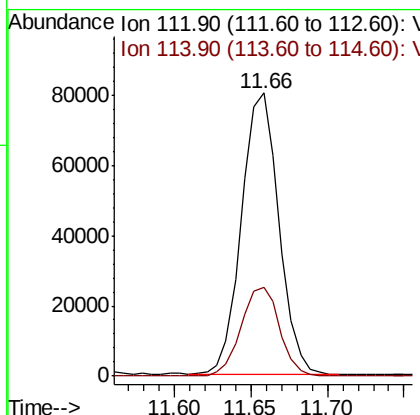
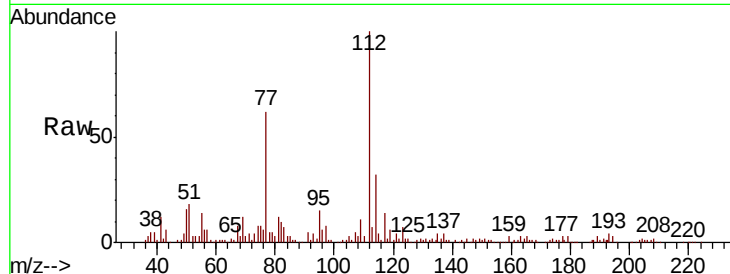
#65
Chlorobenzene
Concen: 19.436 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.5	39.7

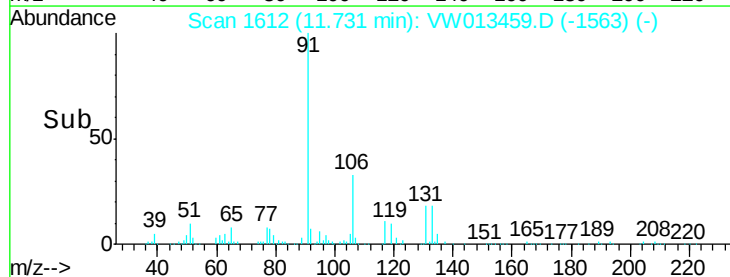
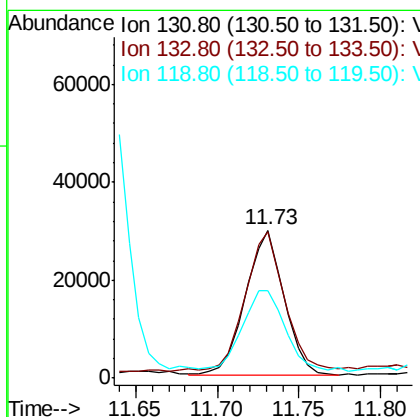
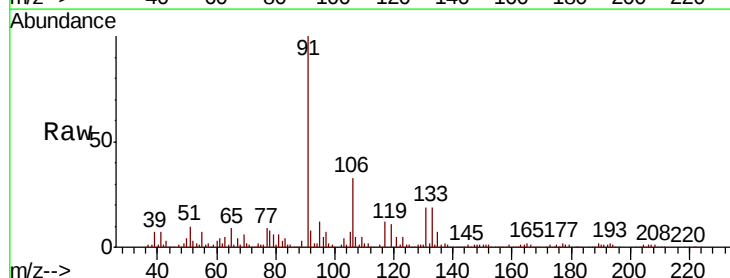
Manual Integrations
APPROVED

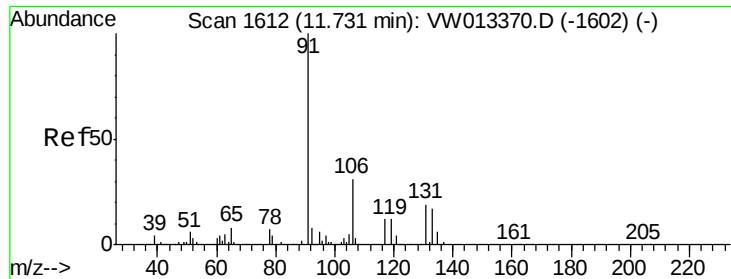
MMDadoda
10/8/2019 1:31:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.310 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.2	47.5	142.6
119	61.9	32.5	97.5





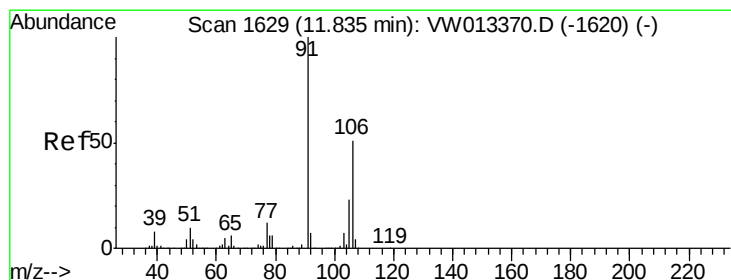
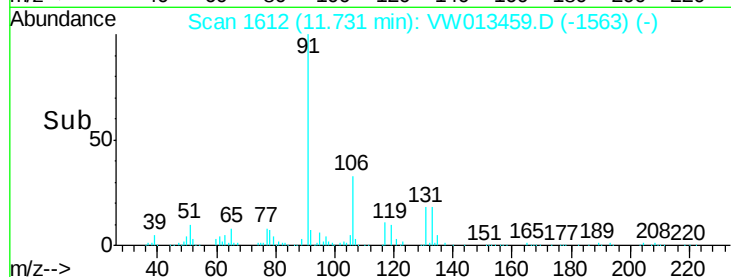
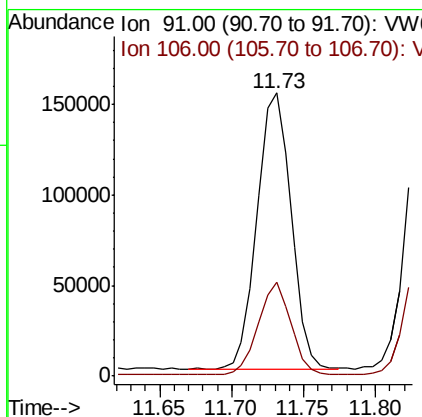
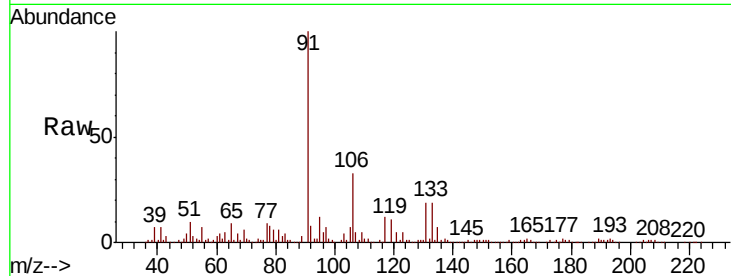
#67
Ethyl Benzene
Concen: 19.932 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion: 91 Resp: 249520
Ion Ratio Lower Upper
91 100
106 33.5 24.9 37.3

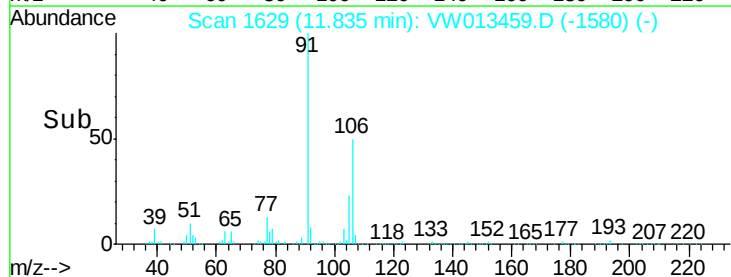
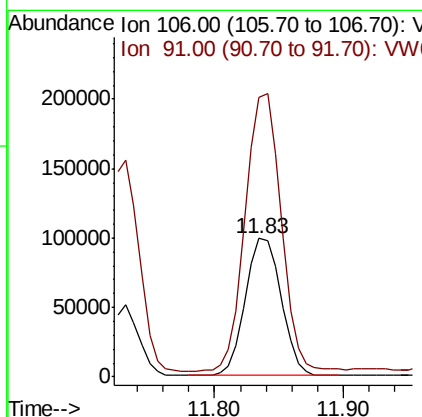
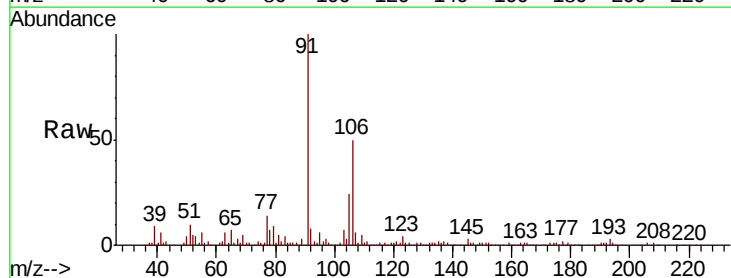
Manual Integrations
APPROVED

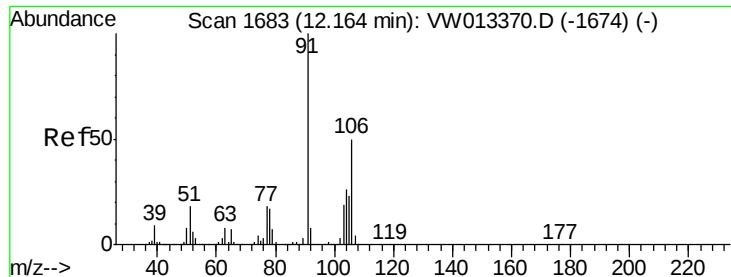
MMDadoda
10/8/2019 1:31:17 PM



#68
m/p-Xylenes
Concen: 39.695 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion: 106 Resp: 191813
Ion Ratio Lower Upper
106 100
91 200.4 157.9 236.9





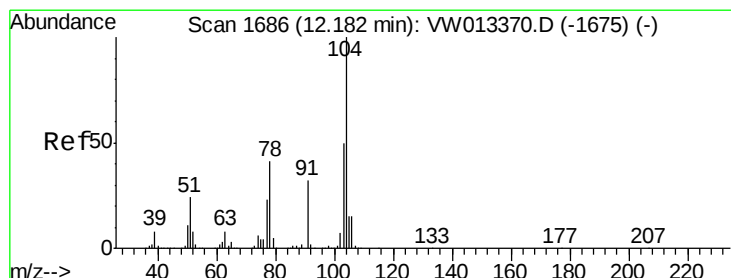
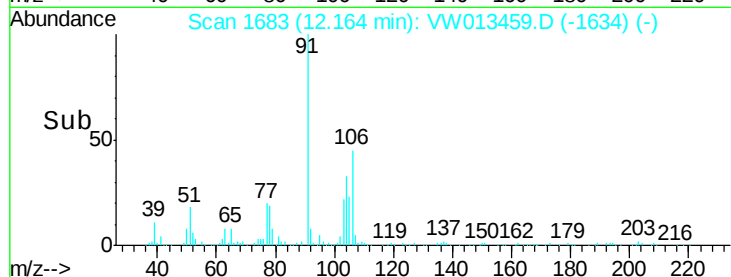
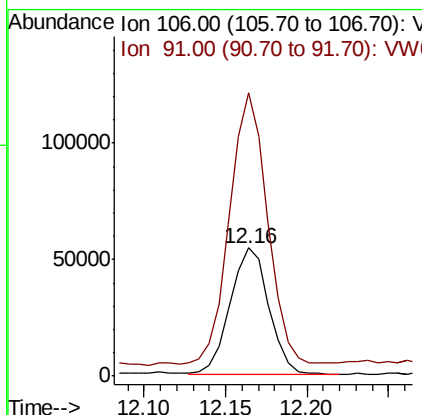
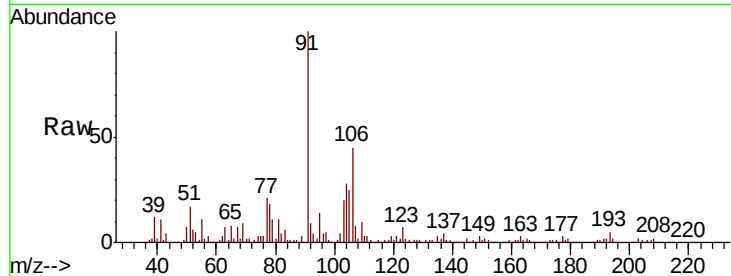
#69
o-Xylene
Concen: 19.889 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampled :
VW1007SBS01

Tot Ion:106 Resp: 88858
Ion Ratio Lower Upper
106 100
91 214.2 106.5 319.5

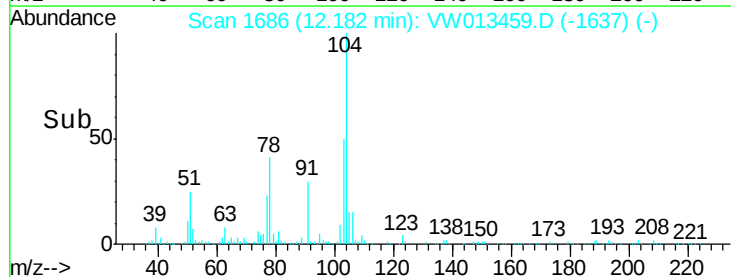
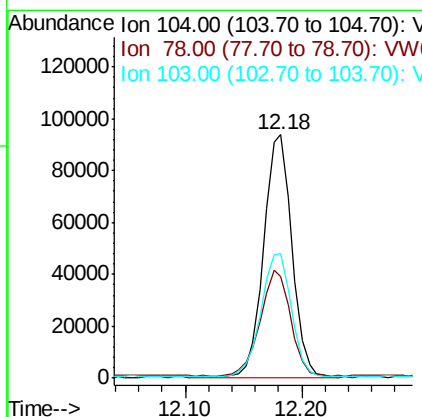
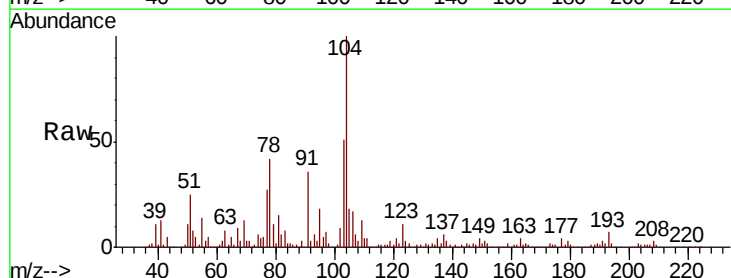
Manual Integrations
APPROVED

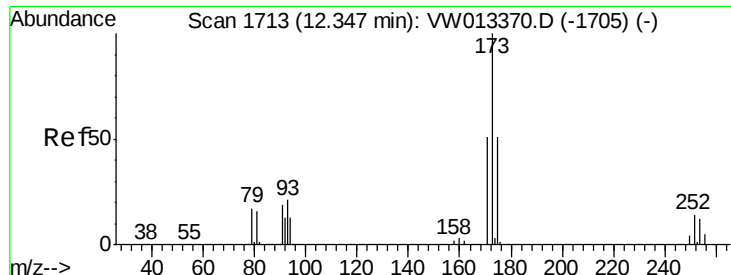
MMDadoda
10/8/2019 1:31:17 PM



#70
Styrene
Concen: 20.664 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion:104 Resp: 157816
Ion Ratio Lower Upper
104 100
78 46.9 38.4 57.6
103 54.9 43.3 64.9





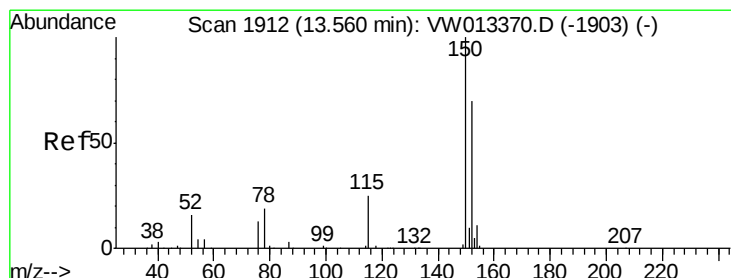
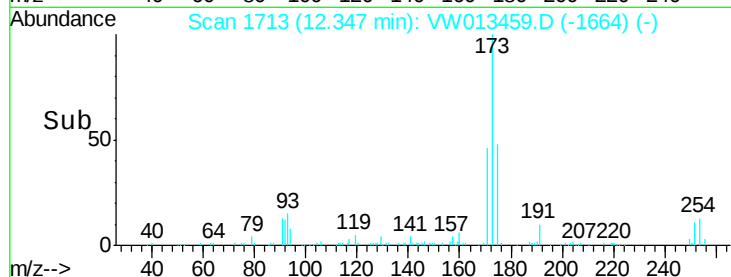
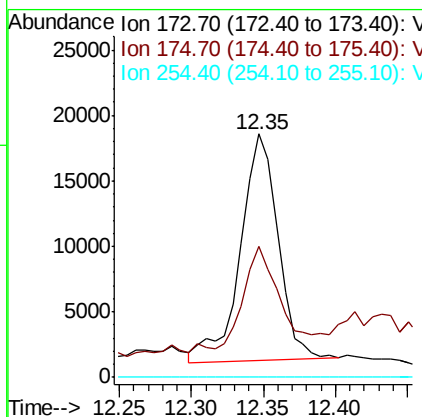
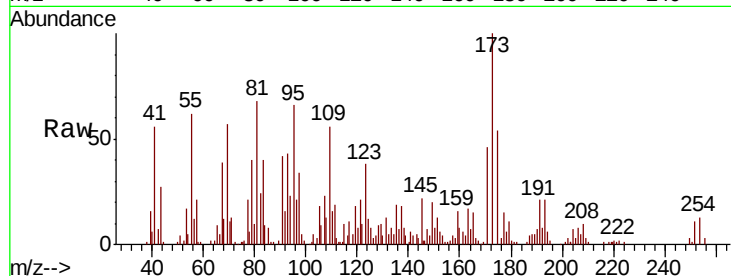
#71
Bromoform
Concen: 24.174 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.2	24.3	73.0
254	0.0	0.1	0.1#

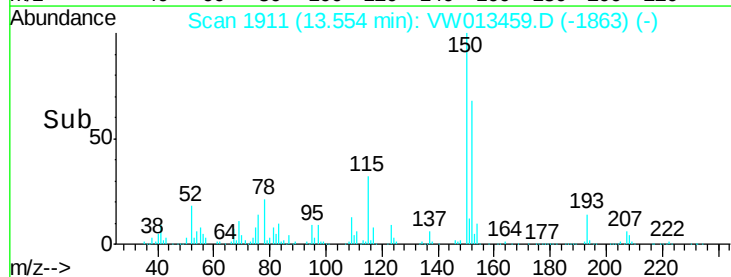
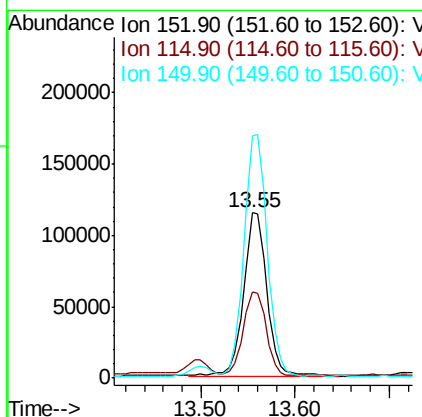
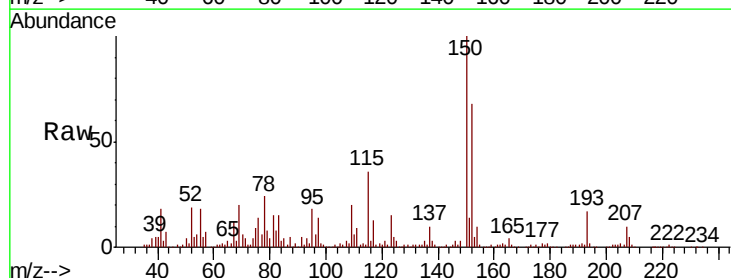
Manual Integrations
APPROVED

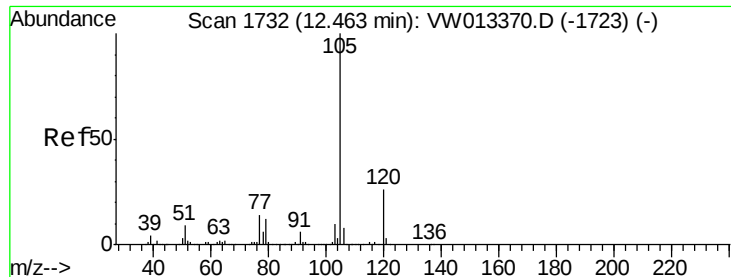
MMDadoda
10/8/2019 1:31:17 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.5	27.3	81.9
150	146.3	0.0	349.0





#73

Isopropylbenzene

Concen: 17.770 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion:105 Resp: 257392

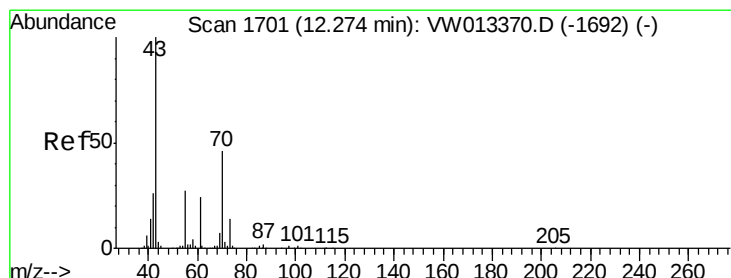
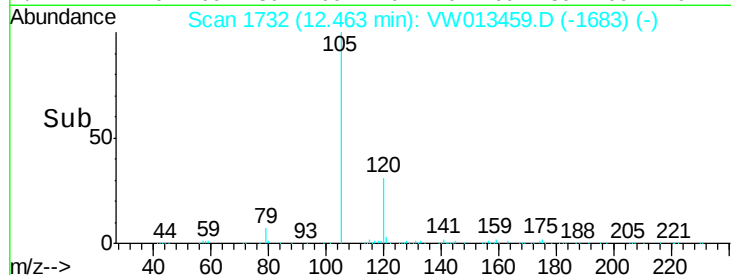
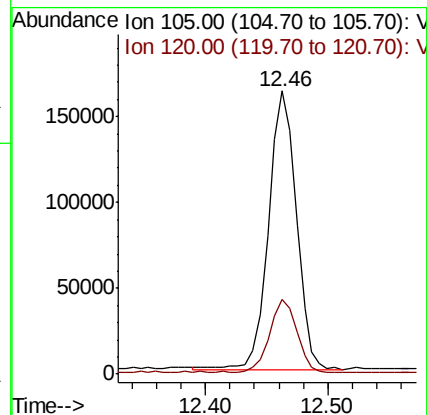
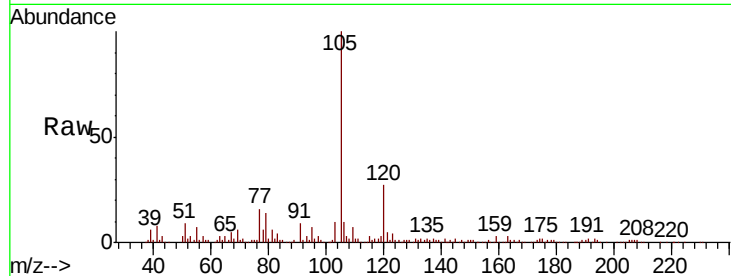
Ion Ratio Lower Upper

105 100

120 25.8 13.4 40.1

Manual Integrations
APPROVED

MMDadoda
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#74

N-ethyl acetate

Concen: 23.234 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Tgt Ion: 43 Resp: 71621

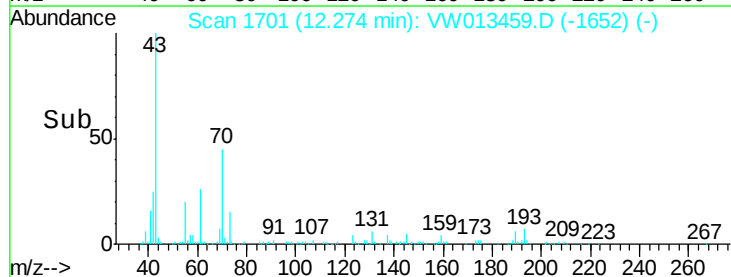
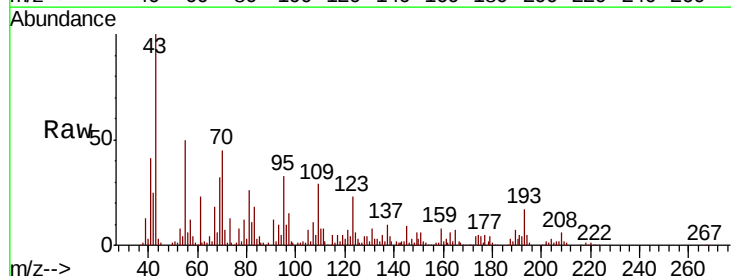
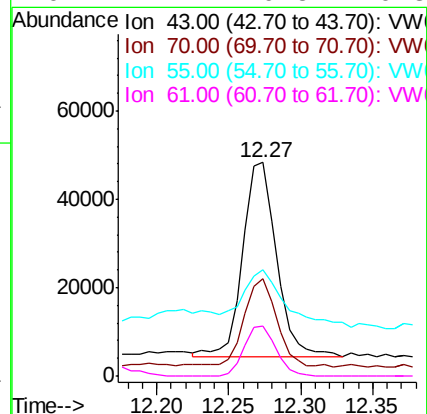
Ion Ratio Lower Upper

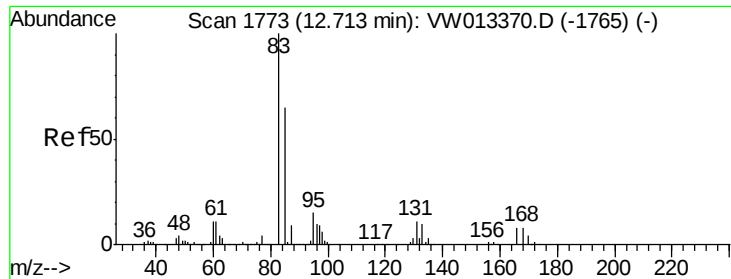
43 100

70 44.9 35.1 52.7

55 37.0 19.9 29.9#

61 24.2 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 32.150 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

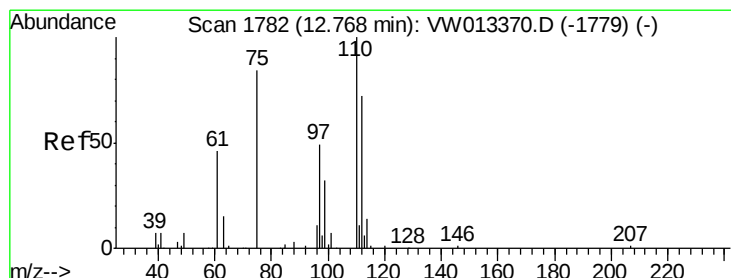
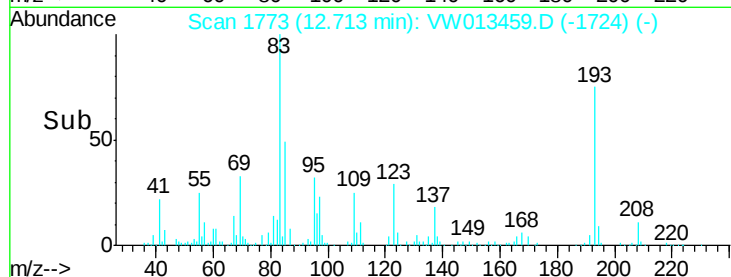
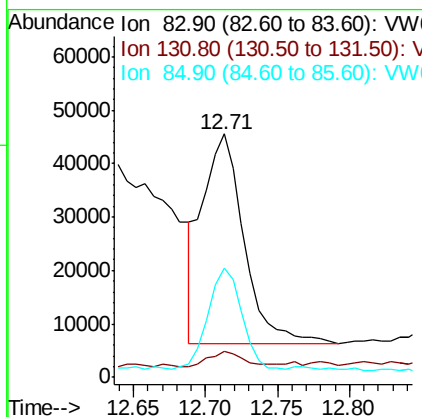
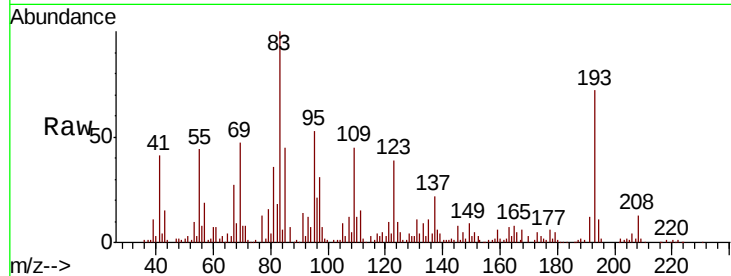
ClientSampleId :

VW1007SBSD01

Tot Ion:	83	Resp:	78819
Ion Ratio	Lower	Upper	
83	100		
131	6.2	5.4	16.2
85	39.0	31.9	95.9

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 19.291 ug/l m

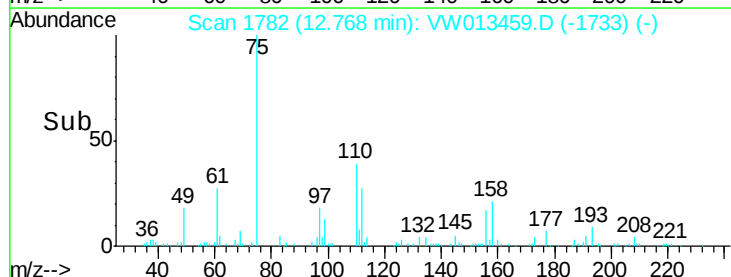
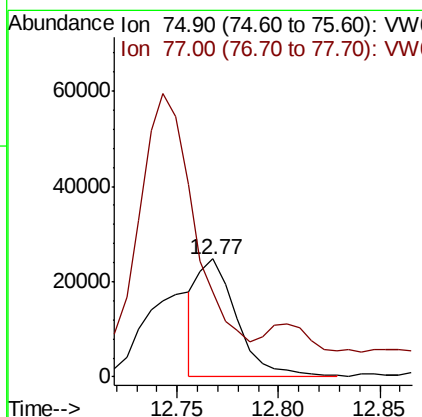
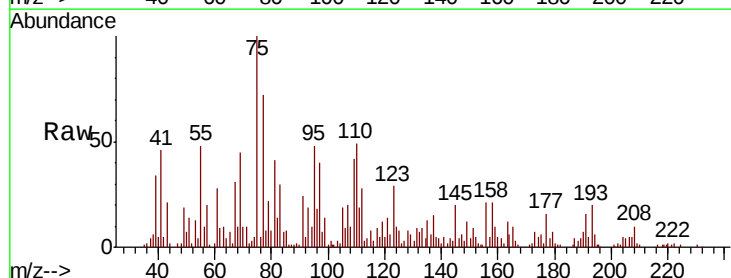
RT: 12.77 min Scan# 1782

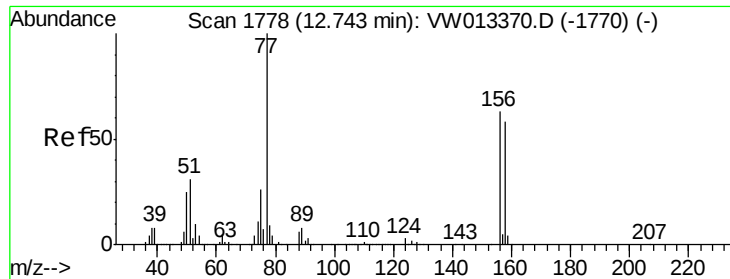
Delta R.T. 0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Tgt Ion:	75	Resp:	33951
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.468 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion:156 Resp: 60754

Ion Ratio Lower Upper

156 100

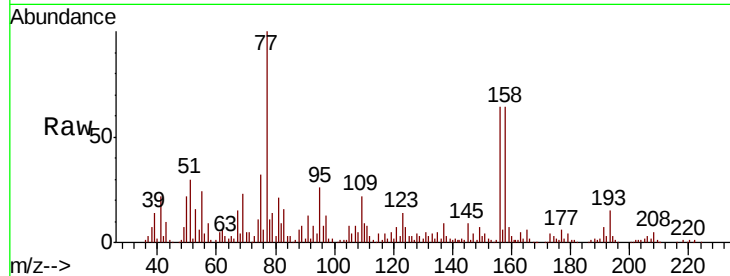
77 169.3 85.7 257.1

158 98.2 48.1 144.4

Manual Integrations
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10/8/2019 1:31:17 PM

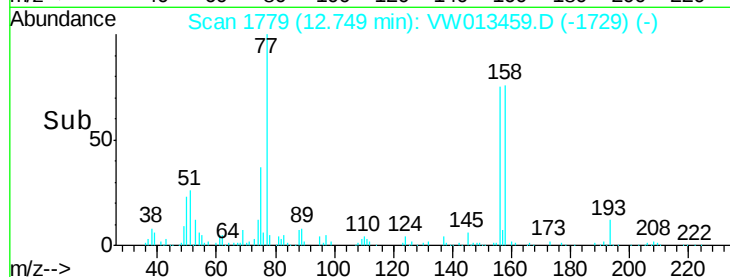


Abundance Ion 155.80 (155.50 to 156.50): V

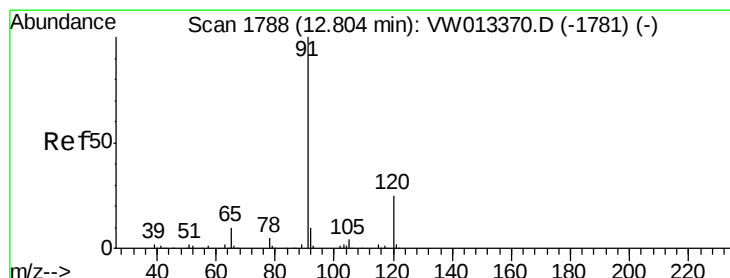
Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

Time-->



Time-->



#78

n-propylbenzene

Concen: 17.247 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW013459.D

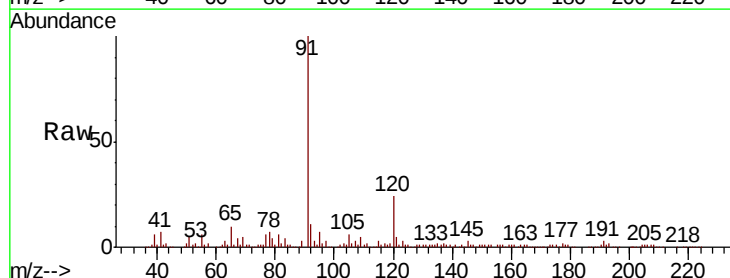
Acq: 07 Oct 2019 13:26

Tgt Ion: 91 Resp: 287362

Ion Ratio Lower Upper

91 100

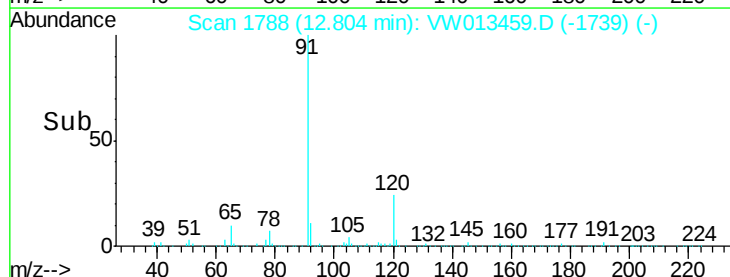
120 24.3 11.7 35.1



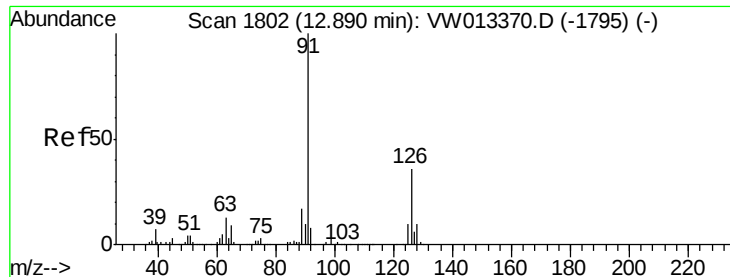
Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

Time-->



Time-->



#79

2-Chlorotoluene

Concen: 18.169 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 91 Resp: 168142

Ion Ratio Lower Upper

91 100

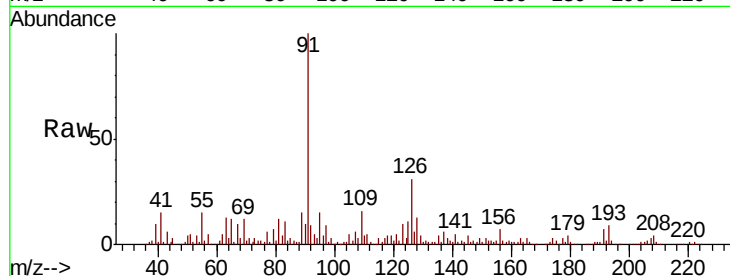
126 33.8 17.2 51.5

Manual Integrations

APPROVED

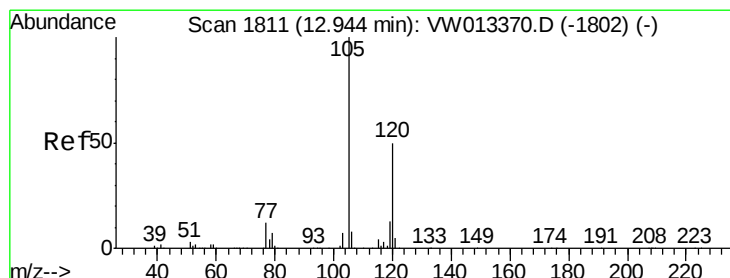
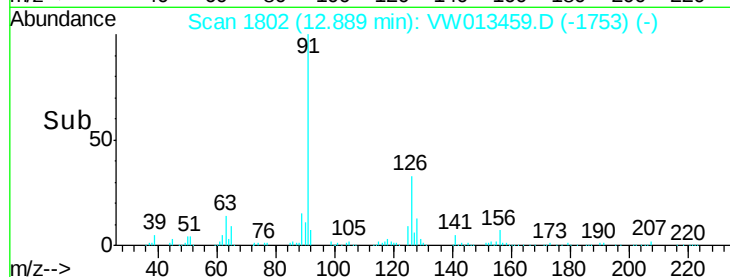
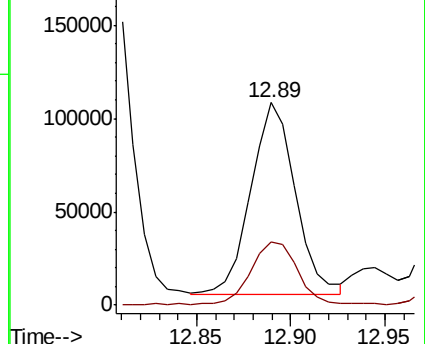
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 17.697 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013459.D

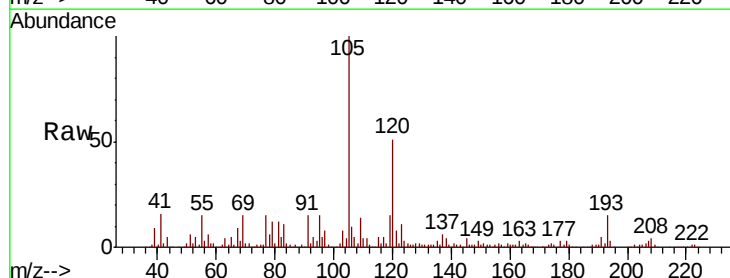
Acq: 07 Oct 2019 13:26

Tgt Ion:105 Resp: 212933

Ion Ratio Lower Upper

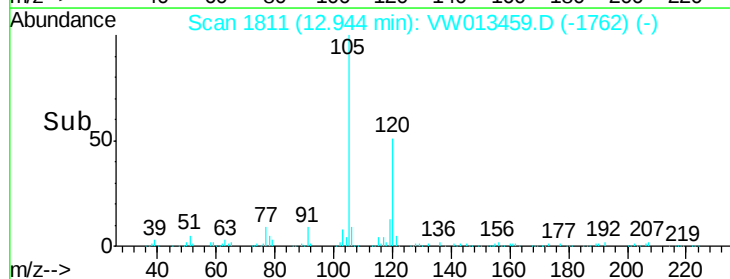
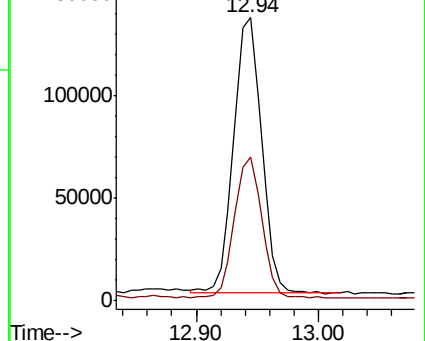
105 100

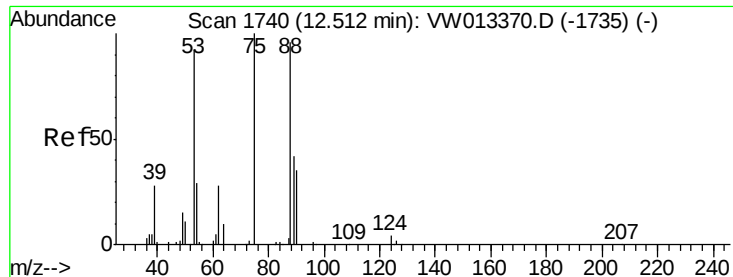
120 50.5 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





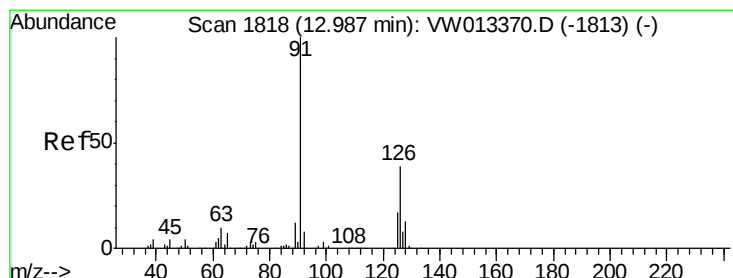
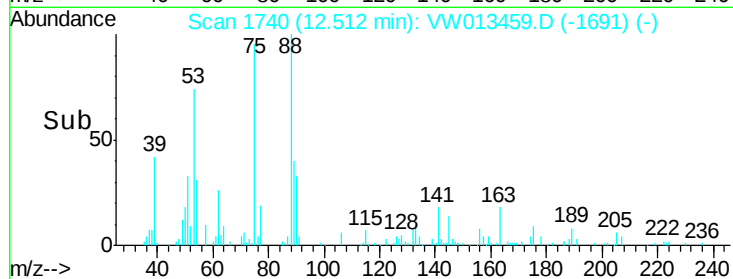
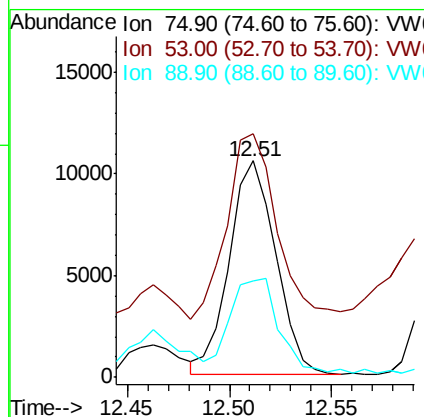
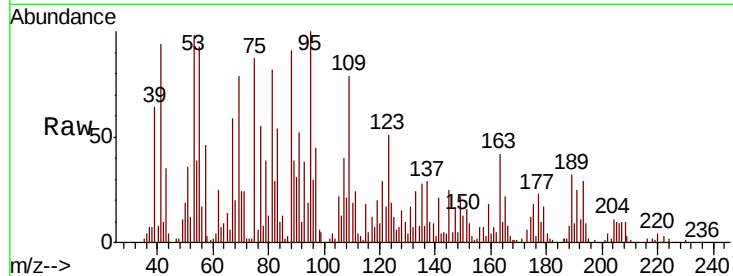
#81
trans-1,4-Dichloro-2-butene
Concen: 22.552 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.1	76.6	114.8
89	46.0	33.5	50.3

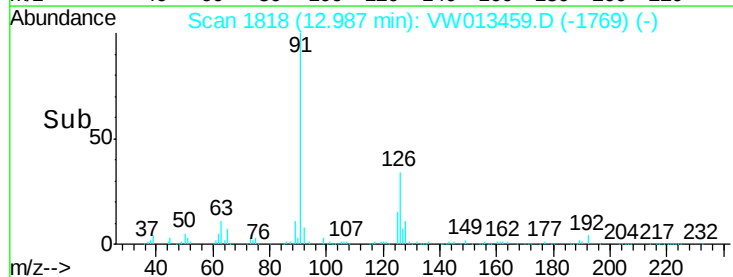
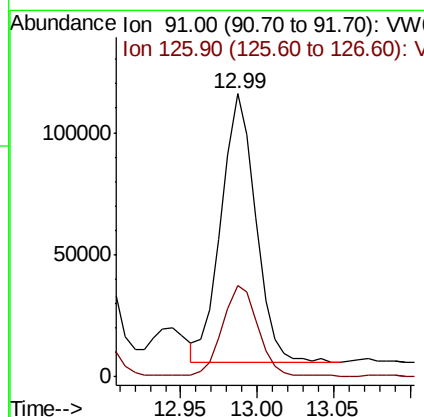
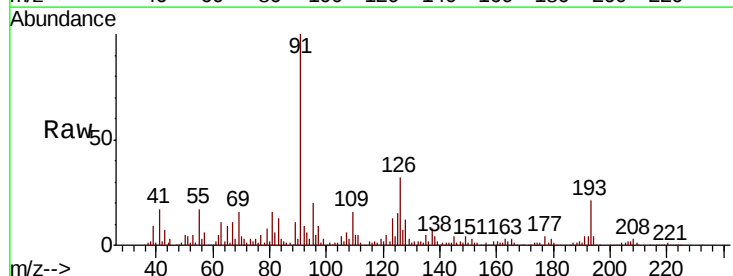
Manual Integrations
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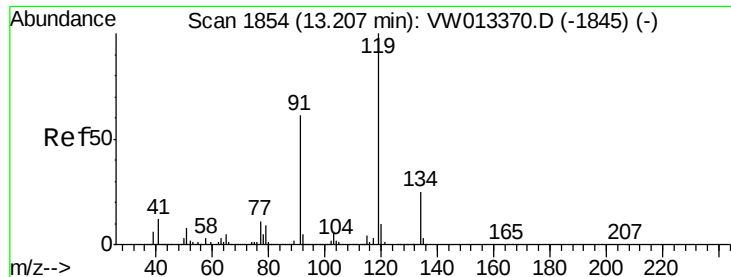
MMDadoda
10/8/2019 1:31:17 PM



#82
4-Chlorotoluene
Concen: 17.837 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.3	51.7





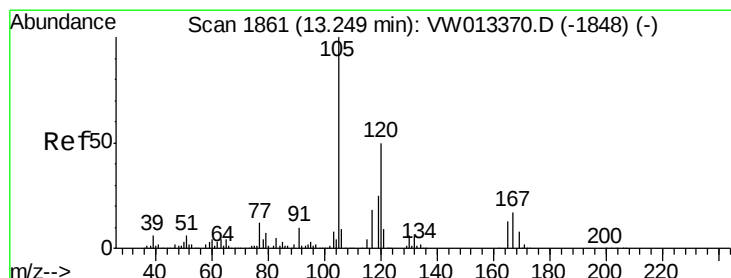
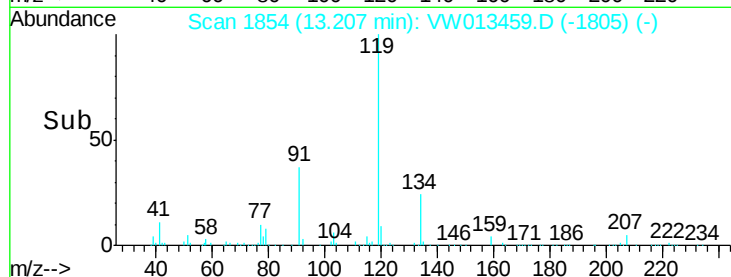
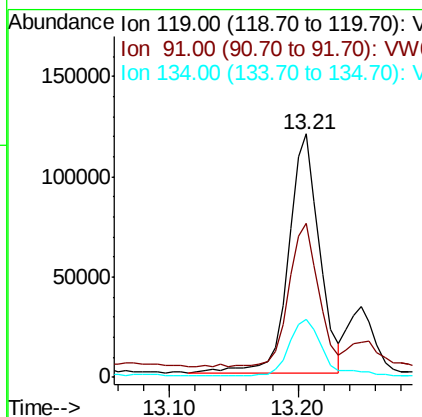
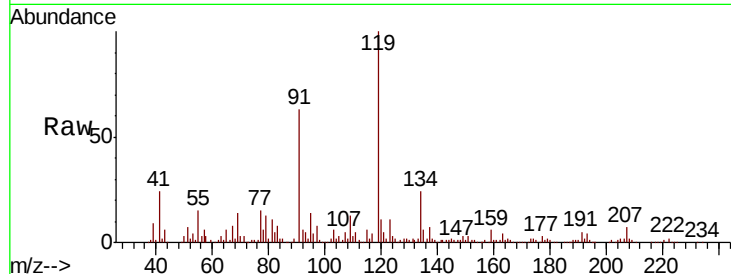
#83
tert-Butylbenzene
Concen: 18.979 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.2	30.7	92.1
134	25.3	12.6	37.6

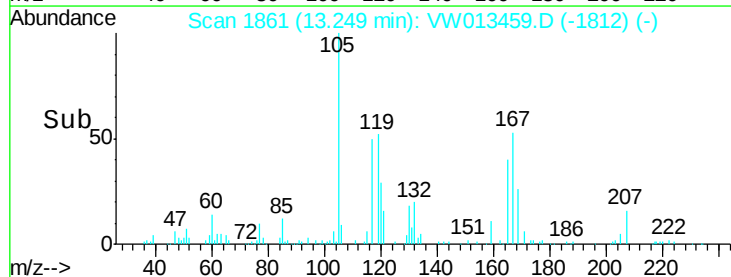
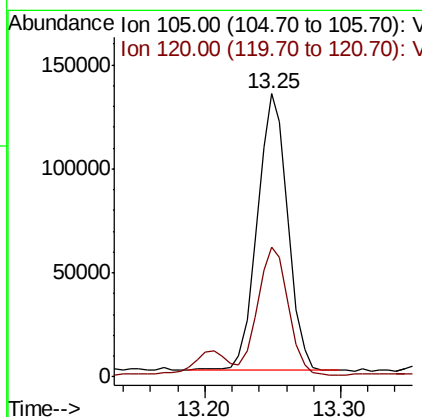
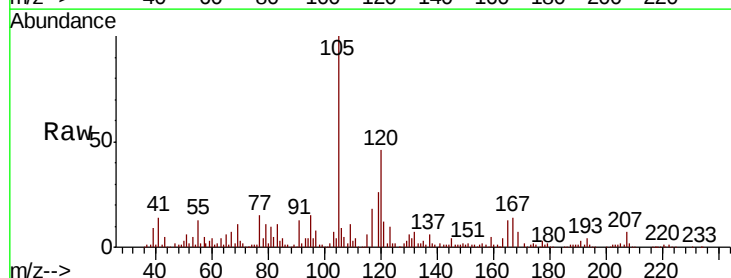
Manual Integrations
APPROVED

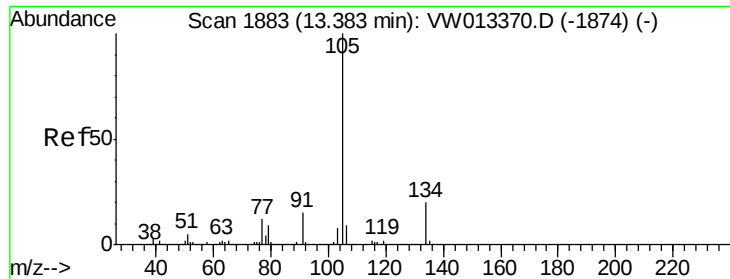
MMDadoda
10/8/2019 1:31:17 PM



#84
1,2,4-Trimethylbenzene
Concen: 17.393 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.3





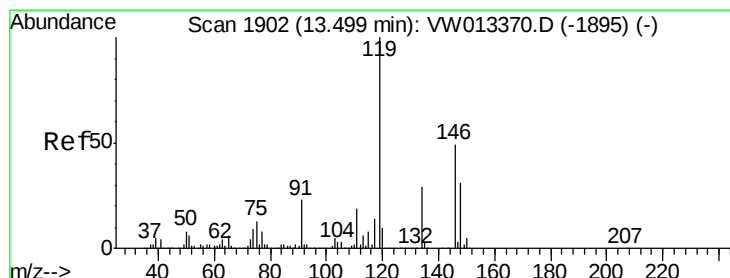
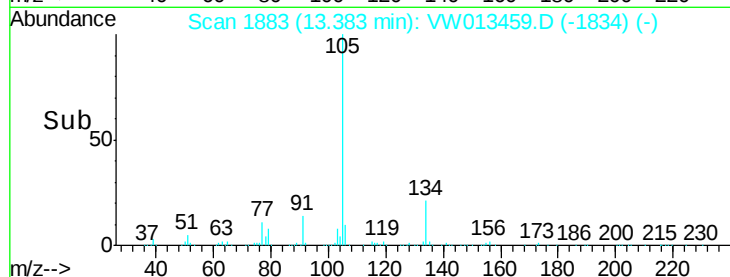
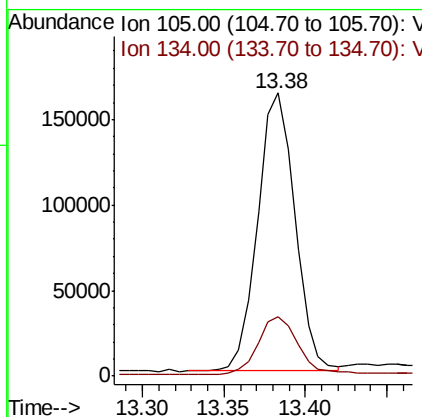
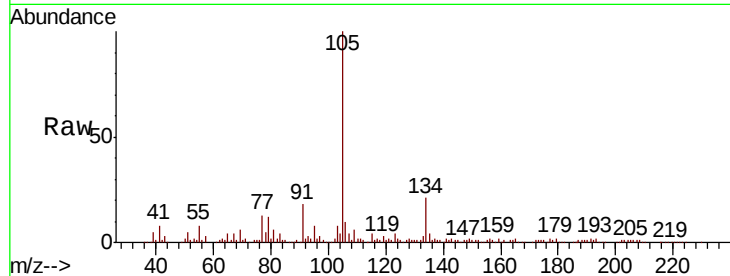
#85
 sec-Butylbenzene
 Concen: 17.689 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	24.0	10.3	30.8

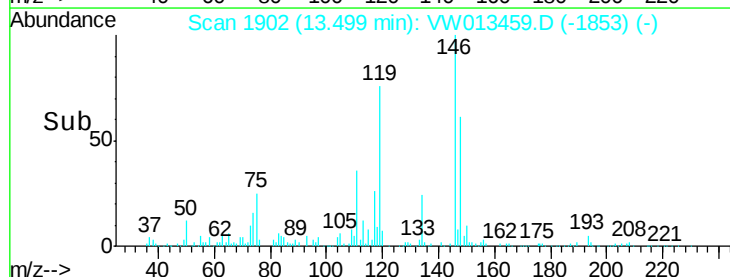
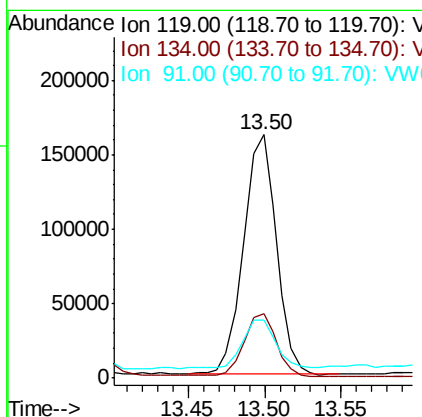
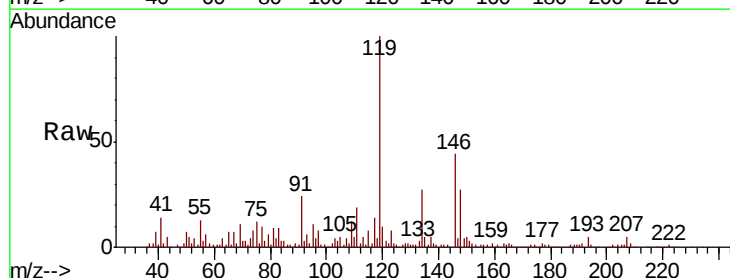
Manual Integrations
 APPROVED

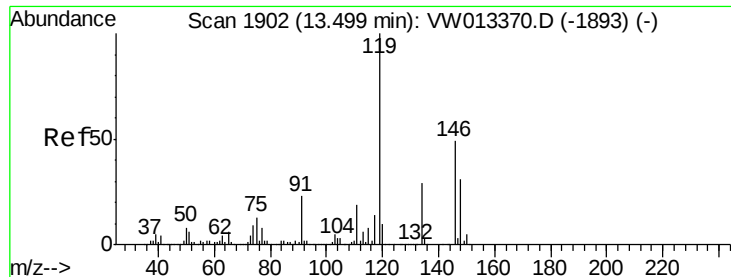
MMDadoda
 10/8/2019 1:31:17 PM



#86
 p-Isopropyltoluene
 Concen: 17.863 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	21.0	10.8	32.4





#87

1,3-Dichlorobenzene

Concen: 17.749 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

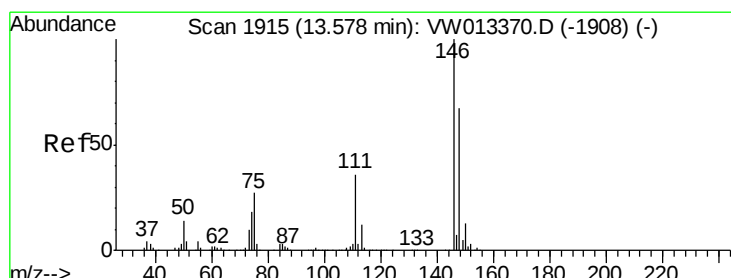
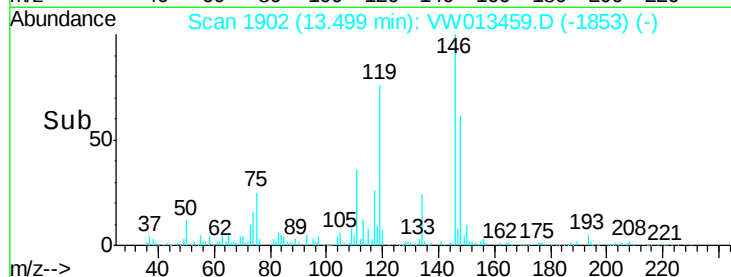
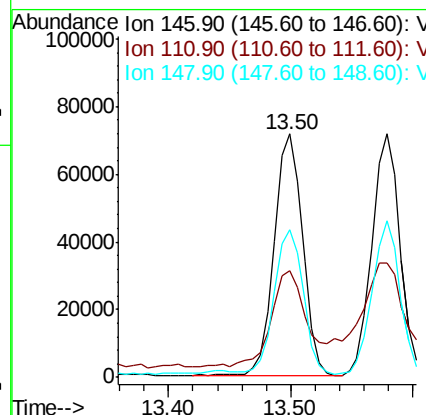
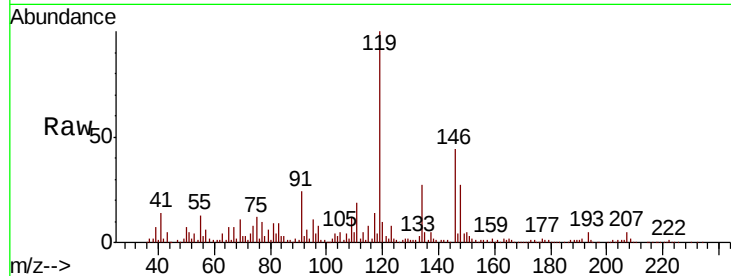
Instrument :
MSVOA_W

ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.6	18.9	56.9
148	61.1	31.9	95.5

Manual Integrations
APPROVED

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10/8/2019 1:31:17 PM



#88

1,4-Dichlorobenzene

Concen: 17.727 ug/l

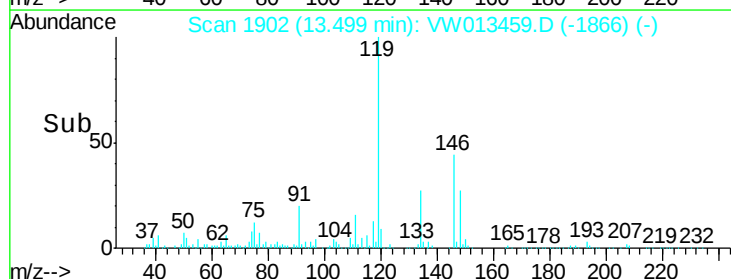
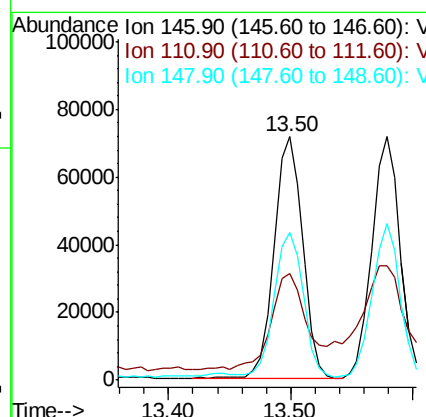
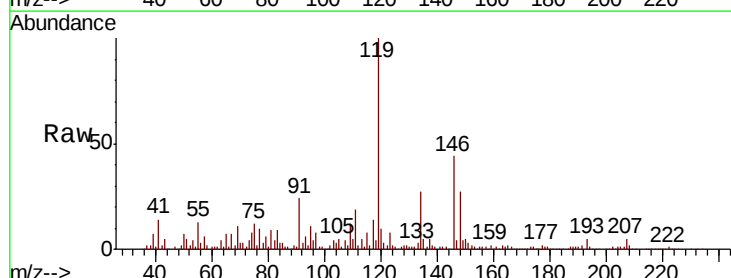
RT: 13.50 min Scan# 1902

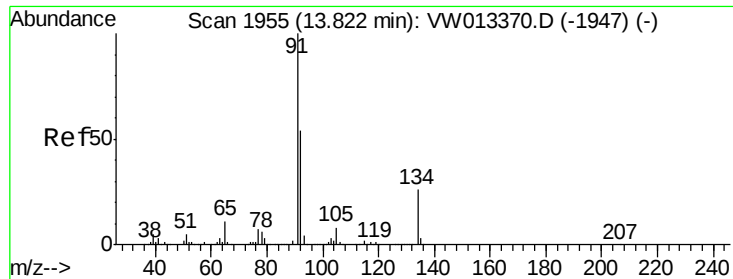
Delta R.T. -0.08 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.6	18.4	55.0
148	61.1	32.1	96.3





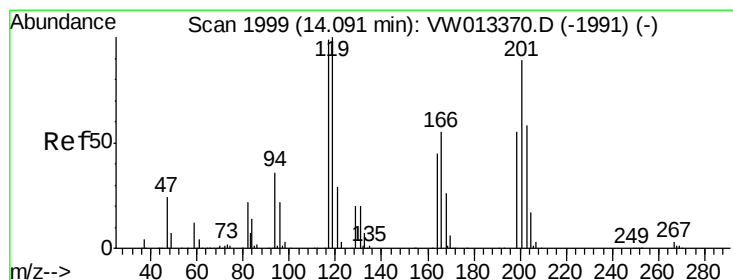
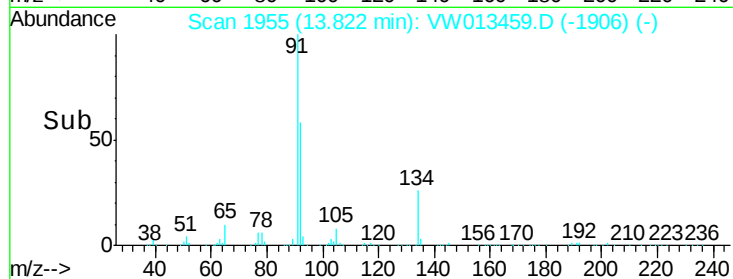
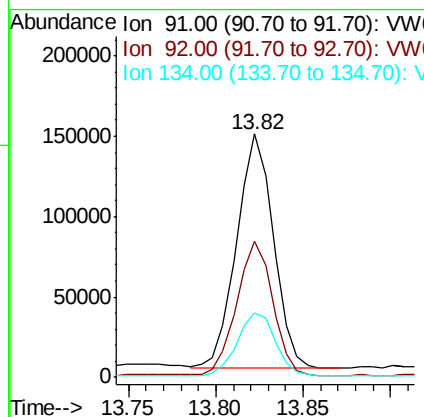
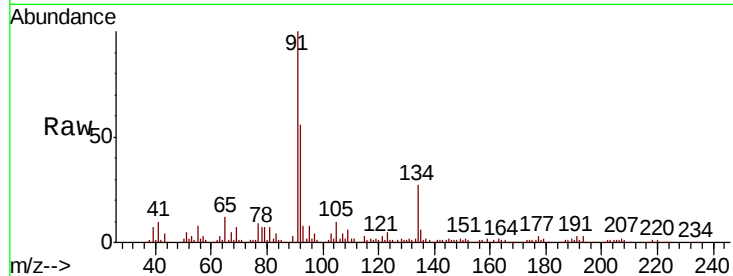
#89
n-Butylbenzene
Concen: 17.706 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	56.1	27.6	82.8	
134	27.9	13.7	41.1	

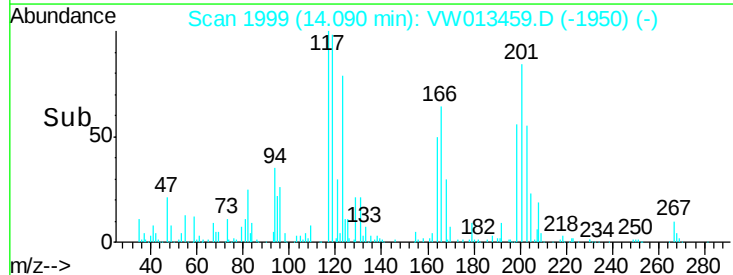
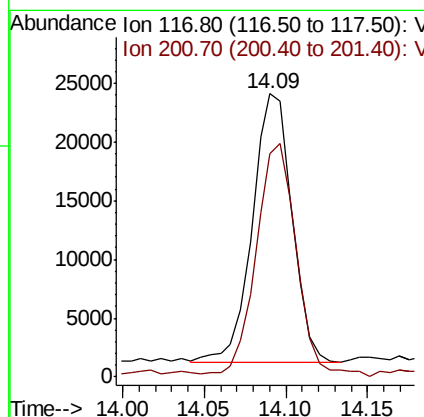
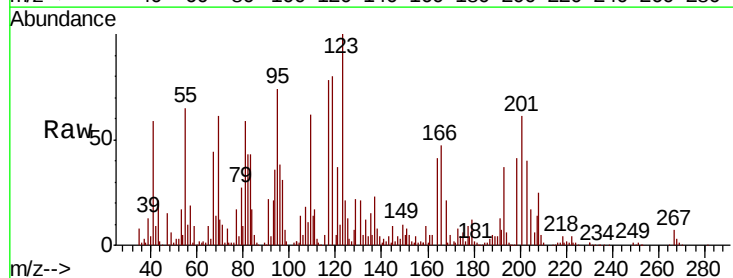
Manual Integrations
APPROVED

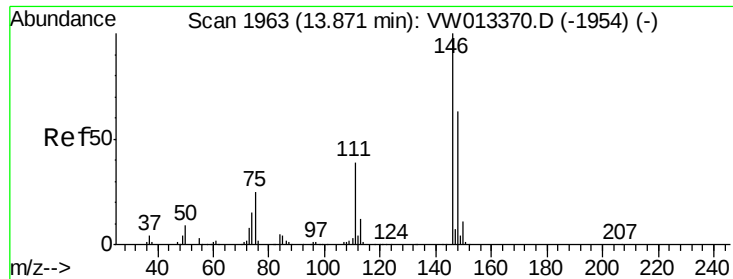
MMDadoda
10/8/2019 1:31:17 PM



#90
Hexachloroethane
Concen: 17.395 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013459.D
Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	89.6	44.5	133.5	





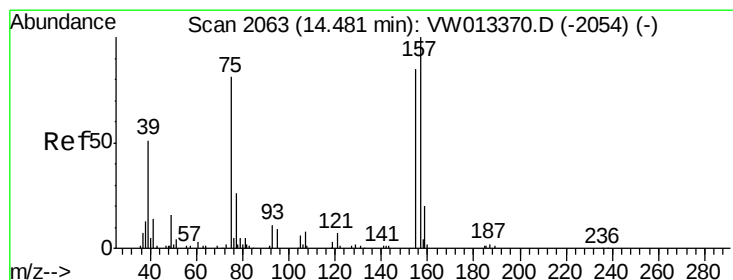
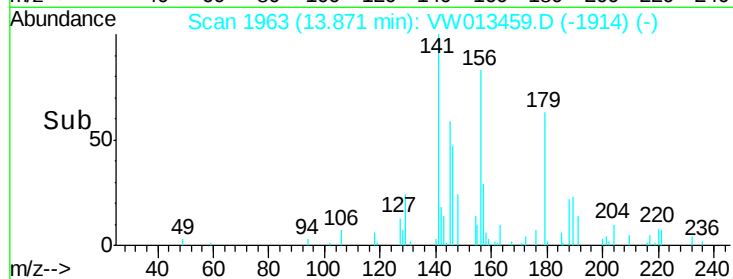
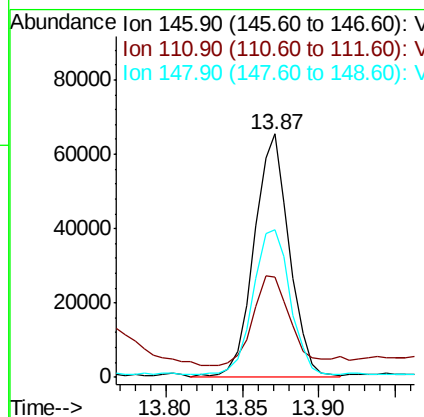
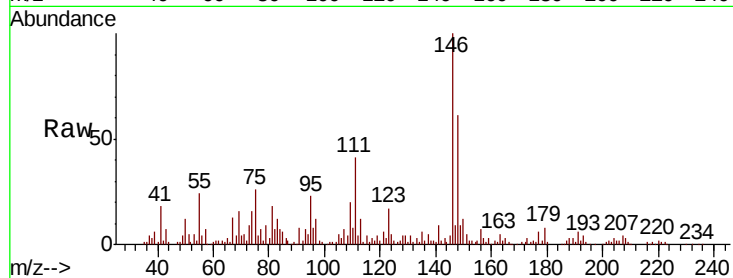
#91
 1,2-Dichlorobenzene
 Concen: 18.197 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.1	60.3
148	61.8	32.0	96.0

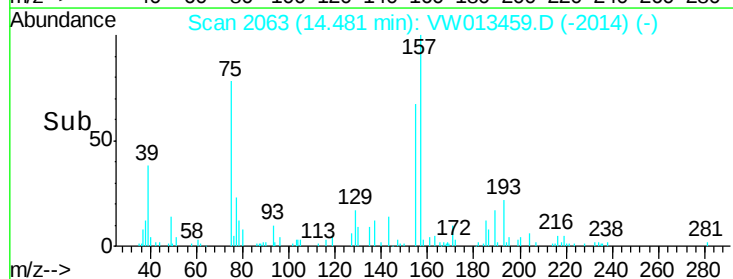
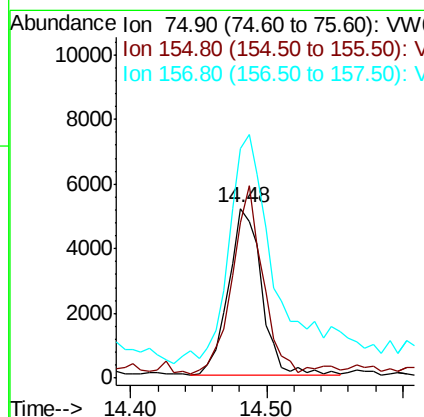
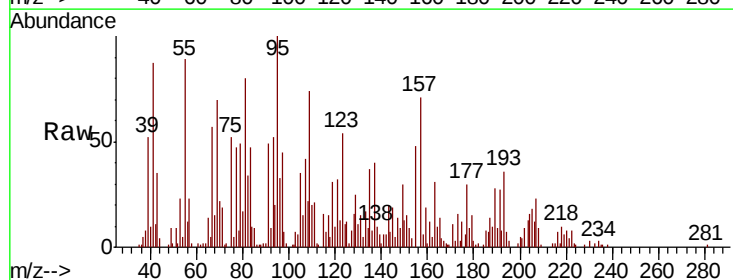
Manual Integrations
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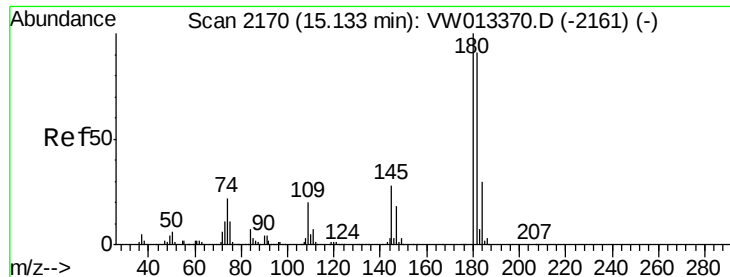
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.932 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.3	46.1	138.3
157	201.7	60.4	181.2#





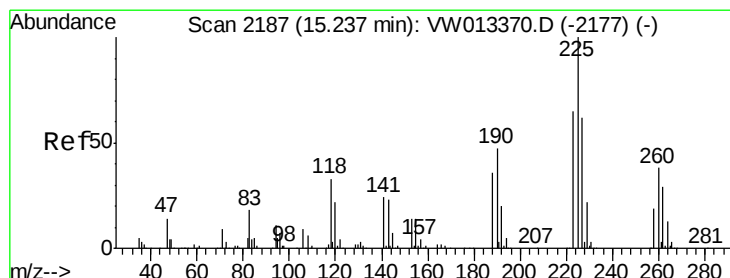
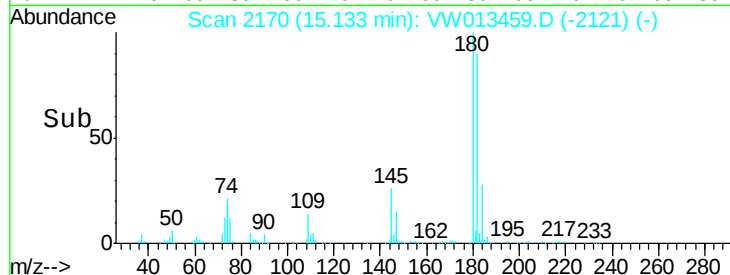
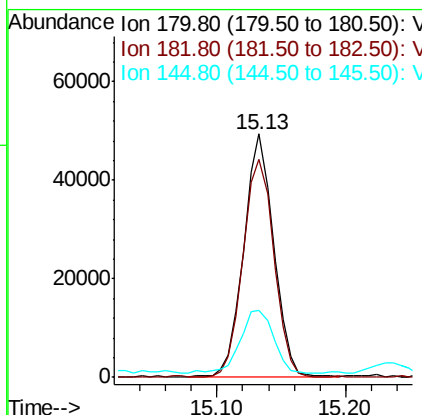
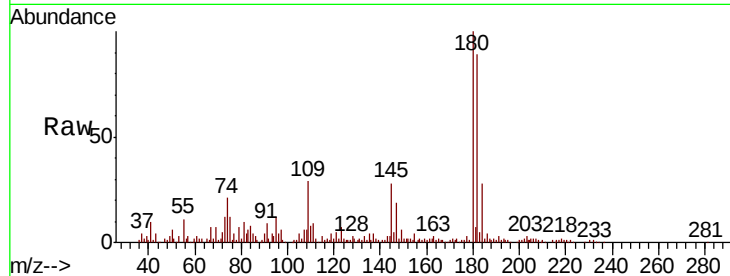
#93
 1,2,4-Trichlorobenzene
 Concen: 19.158 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	79530		
182	91.9		47.3	142.0
145	28.9		14.2	42.8

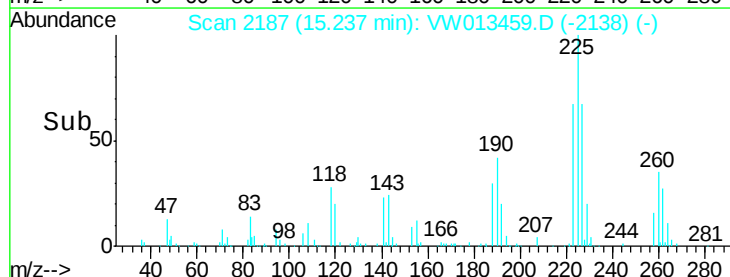
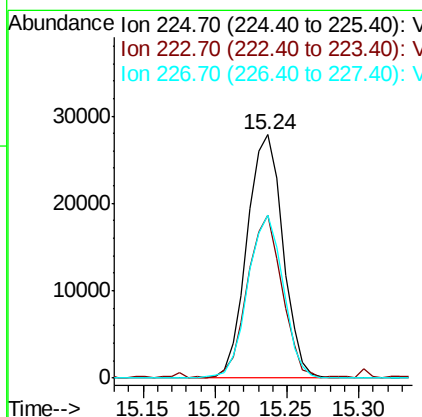
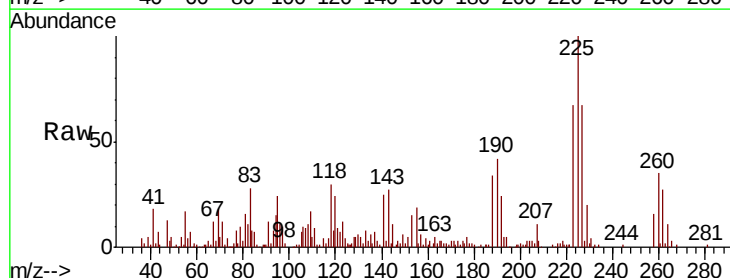
Manual Integrations
 APPROVED

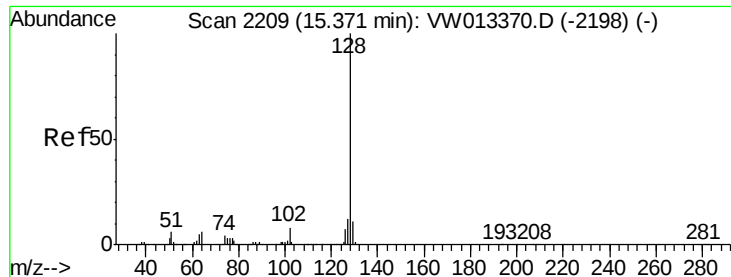
MMDadoda
 10/8/2019 1:31:17 PM



#94
 Hexachlorobutadiene
 Concen: 17.734 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013459.D
 Acq: 07 Oct 2019 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47822		
223	65.3		30.6	91.8
227	66.0		31.9	95.9





#95

Naphthalene

Concen: 22.906 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Instrument :

MSVOA_W

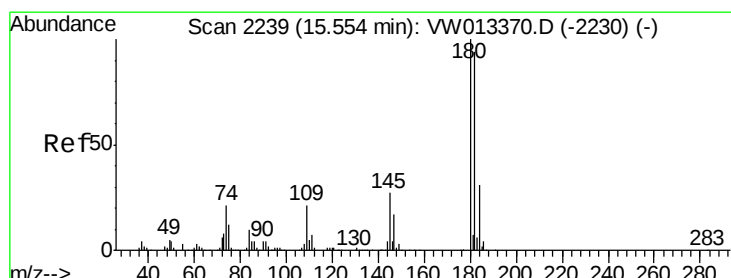
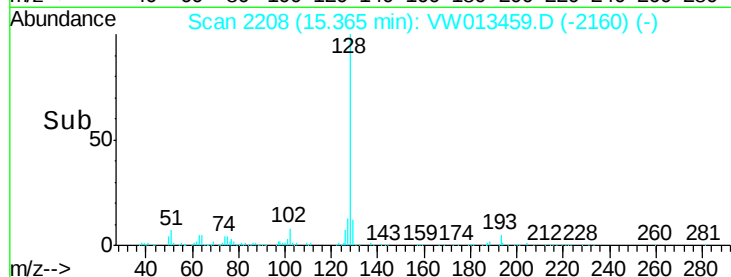
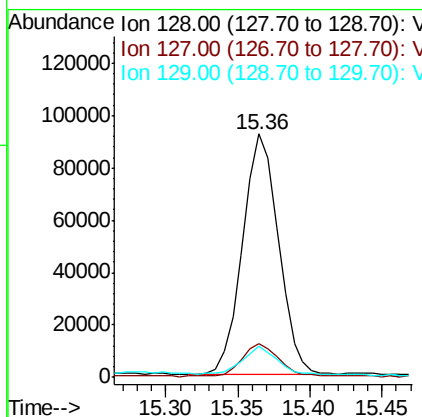
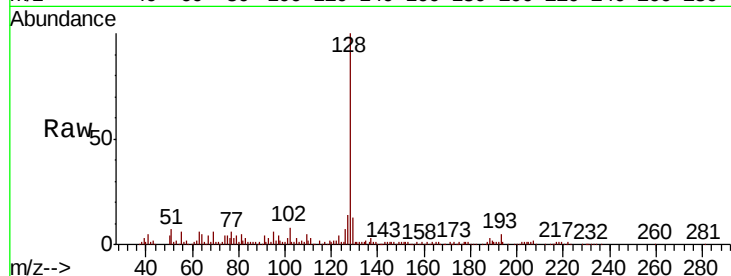
ClientSampleId :

VW1007SBS01

Tot Ion:	128	Resp:	160400
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	12.4	8.7	13.1

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 18.952 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW013459.D

Acq: 07 Oct 2019 13:26

Tgt Ion:	180	Resp:	68688
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.9	143.7
145	32.6	15.0	45.0

