

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013455.D
 Acq On : 07 Oct 2019 11:42
 Operator : SY/VA
 Sample : VW1007SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 1:30:44 PM

Quant Time: Oct 07 17:08:58 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	349381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	500742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	425474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	214702	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139973	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
35) Dibromofluoromethane	7.88	113	143855	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	
50) Toluene-d8	10.32	98	598711	54.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.82%	
62) 4-Bromofluorobenzene	12.62	95	204250	56.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26648	19.720	ug/l	91
3) Chloromethane	2.20	50	47654	21.370	ug/l	100
4) Vinyl Chloride	2.36	62	65998	20.854	ug/l	98
5) Bromomethane	2.76	94	39271	20.197	ug/l	90
6) Chloroethane	2.91	64	35801	19.591	ug/l	98
7) Trichlorofluoromethane	3.25	101	31343	22.828	ug/l	100
8) Diethyl Ether	3.68	74	32294	20.321	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	63938	21.004	ug/l	98
10) Methyl Iodide	4.26	142	99951	20.332	ug/l	98
11) Tert butyl alcohol	5.19	59	25019m	101.814	ug/l	
12) 1,1-Dichloroethene	4.04	96	66389	20.642	ug/l	98
13) Acrolein	3.89	56	23626	96.361	ug/l	97
14) Allyl chloride	4.66	41	101069	21.243	ug/l	99
15) Acrylonitrile	5.37	53	72896	101.469	ug/l	98
16) Acetone	4.12	43	62179	77.760	ug/l	98
17) Carbon Disulfide	4.38	76	188983	21.063	ug/l #	95
18) Methyl Acetate	4.67	43	36669	19.593	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	100394	21.209	ug/l	96
20) Methylene Chloride	4.92	84	72888	20.789	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	70625	20.620	ug/l	97
22) Diisopropyl ether	6.31	45	191660	20.859	ug/l	98
23) Vinyl Acetate	6.25	43	573079	103.944	ug/l	97
24) 1,1-Dichloroethane	6.21	63	116836	20.877	ug/l	99
25) 2-Butanone	7.17	43	93054	90.946	ug/l	99
26) 2,2-Dichloropropane	7.17	77	75372	22.360	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	74600	20.808	ug/l	98
28) Bromochloromethane	7.51	49	35933	17.758	ug/l	95
29) Tetrahydrofuran	7.52	42	58975	104.948	ug/l	98
30) Chloroform	7.67	83	113525	20.687	ug/l	97
31) Cyclohexane	7.95	56	124513	20.862	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	92762	21.577	ug/l	99
36) 1,1-Dichloropropene	8.08	75	98023	21.076	ug/l	97
37) Ethyl Acetate	7.25	43	43236	21.150	ug/l	98
38) Carbon Tetrachloride	8.06	117	87716	21.772	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	130050	21.232	ug/l	98
40) Benzene	8.32	78	277221	21.056	ug/l	98
41) Methacrylonitrile	7.48	41	23878	19.293	ug/l	96
42) 1,2-Dichloroethane	8.40	62	69742	20.610	ug/l	97
43) Isopropyl Acetate	8.42	43	78075	20.209	ug/l	99
44) Trichloroethene	9.09	130	77430	20.885	ug/l	93
45) 1,2-Dichloropropane	9.37	63	66416	21.010	ug/l	94
46) Dibromomethane	9.46	93	32278	20.500	ug/l	96
47) Bromodichloromethane	9.65	83	80096	20.664	ug/l	97
48) Methyl methacrylate	9.43	41	38653	20.823	ug/l	98
49) 1,4-Dioxane	9.45	88	10193	407.437	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	197904	97.501	ug/l	98
52) Toluene	10.38	92	178510	21.021	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	84952	21.071	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	102695	21.009	ug/l	97
55) 1,1,2-Trichloroethane	10.78	97	47492	20.220	ug/l	99
56) Ethyl methacrylate	10.65	69	64448	20.385	ug/l	97
57) 1,3-Dichloropropane	10.93	76	84483	20.690	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	146237	112.606	ug/l	98
59) 2-Hexanone	10.97	43	137594	97.801	ug/l	100
60) Dibromochloromethane	11.13	129	55249	20.561	ug/l	99
61) 1,2-Dibromoethane	11.24	107	46598	20.531	ug/l	97
64) Tetrachloroethene	10.86	164	67286	20.787	ug/l	97
65) Chlorobenzene	11.66	112	183828	21.089	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	63268	21.311	ug/l	99
67) Ethyl Benzene	11.73	91	338447	21.664	ug/l	99
68) m/p-Xylenes	11.84	106	259784	43.081	ug/l	100
69) o-Xylene	12.16	106	118223	21.205	ug/l	99
70) Styrene	12.18	104	202777	21.276	ug/l	99
71) Bromoform	12.35	173	34500	21.434	ug/l #	98
73) Isopropylbenzene	12.46	105	332636	21.180	ug/l	100
74) N-amyl acetate	12.27	43	70754	21.169	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	55511	20.883	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	44910m	23.535	ug/l	
77) Bromobenzene	12.74	156	78896	20.922	ug/l	99
78) n-propylbenzene	12.80	91	387679	21.460	ug/l	100
79) 2-Chlorotoluene	12.89	91	215129	21.440	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	280350	21.489	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18640	23.228	ug/l	92
82) 4-Chlorotoluene	12.99	91	226580	21.557	ug/l	99
83) tert-Butylbenzene	13.21	119	245798	21.570	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	272948	21.046	ug/l	100
85) sec-Butylbenzene	13.38	105	342150	21.778	ug/l	99
86) p-Isopropyltoluene	13.50	119	319788	21.963	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	150468	21.209	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	146852	20.673	ug/l	99
89) n-Butylbenzene	13.82	91	288764	21.998	ug/l	100
90) Hexachloroethane	14.09	117	51965	21.602	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	132963	21.200	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8333	20.958	ug/l	92

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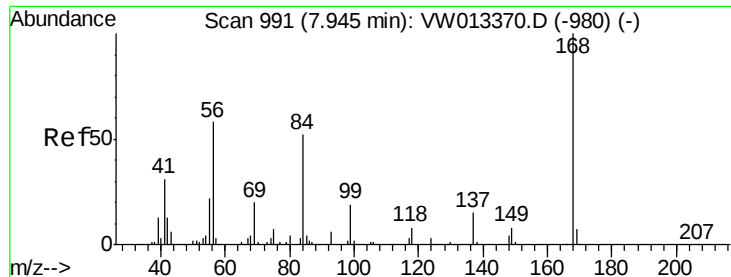
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QLast Update : Wed Oct 02 11:49:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	93396	20.750	ug/l	98
94) Hexachlorobutadiene	15.23	225	63328	21.659	ug/l	98
95) Naphthalene	15.36	128	156946	20.671	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	81310	20.691	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: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

Tot Ion:168 Resp: 349381

Ion Ratio Lower Upper

168 100

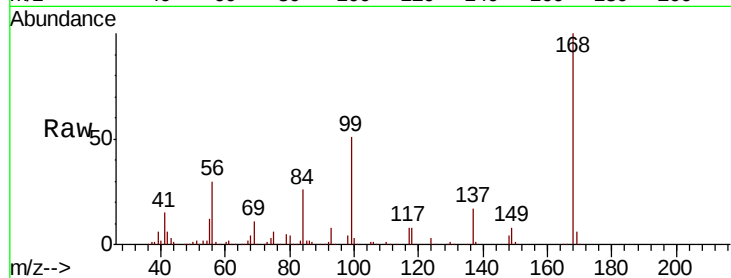
99 50.5 40.2 60.4

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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

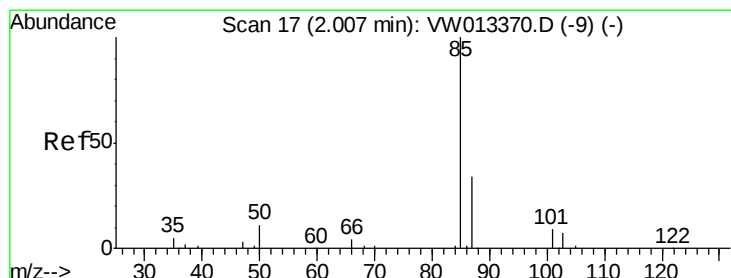
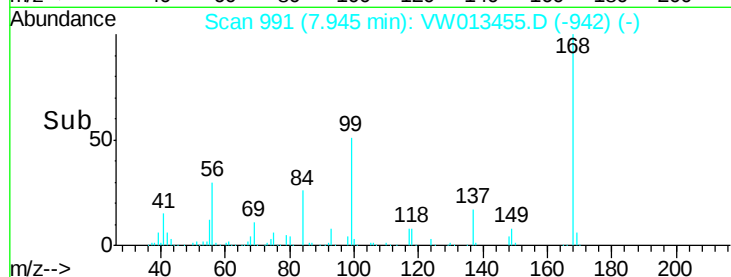
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 19.720 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013455.D

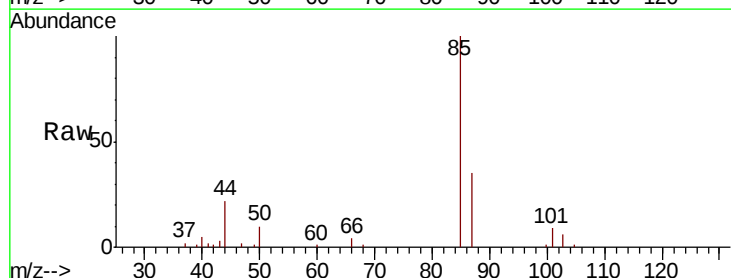
Acq: 07 Oct 2019 11:42

Tgt Ion: 85 Resp: 26648

Ion Ratio Lower Upper

85 100

87 34.9 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

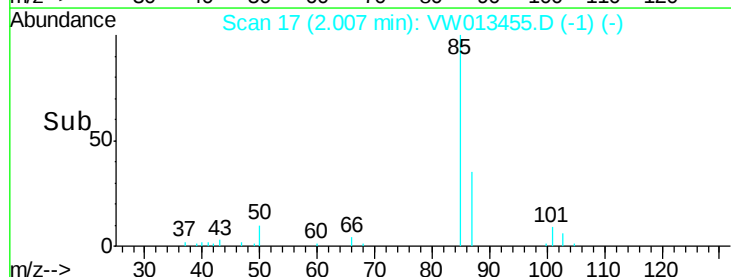
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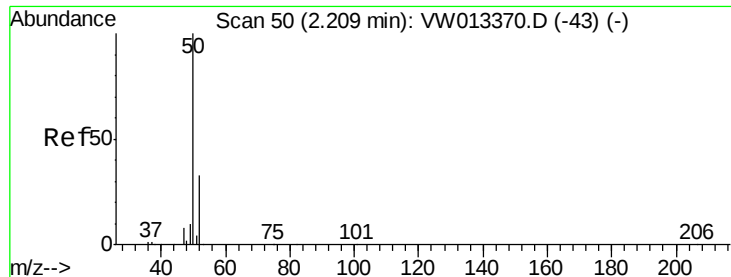
2000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.370 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 50 Resp: 47654

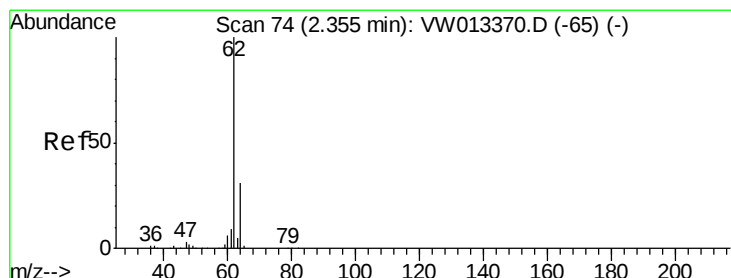
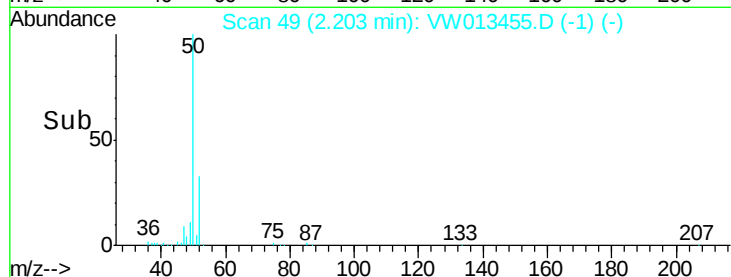
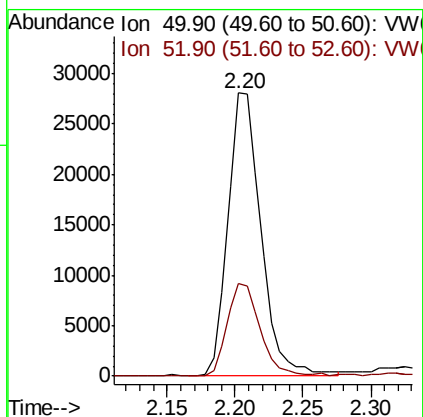
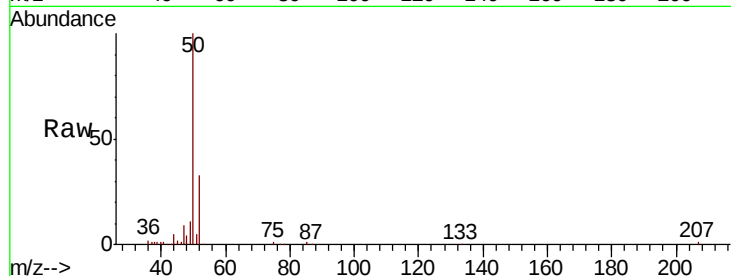
Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1

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#4

Vinyl Chloride

Concen: 20.854 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013455.D

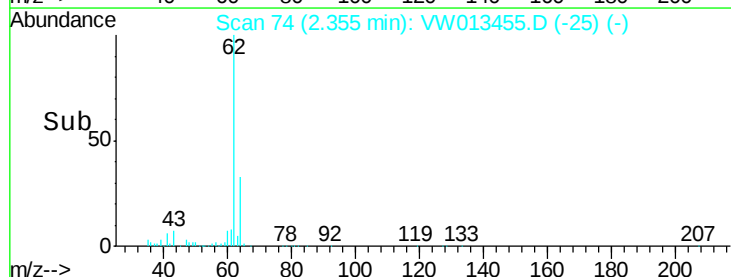
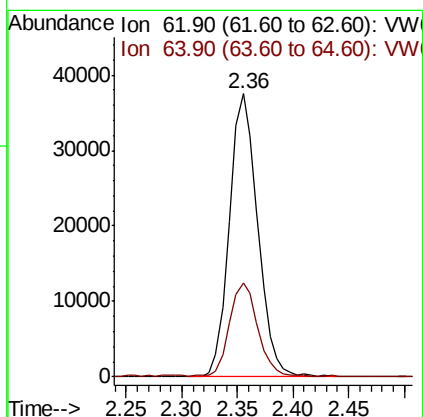
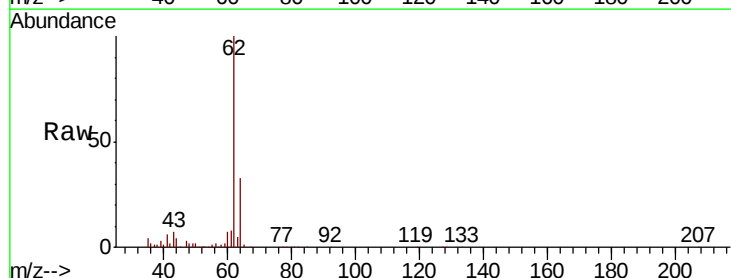
Acq: 07 Oct 2019 11:42

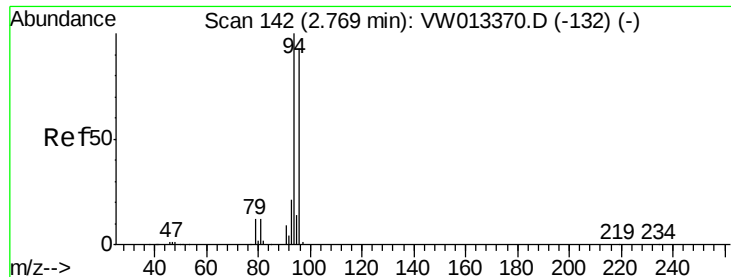
Tgt Ion: 62 Resp: 65998

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9





#5

Bromomethane

Concen: 20.197 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 94 Resp: 39271

Ion Ratio Lower Upper

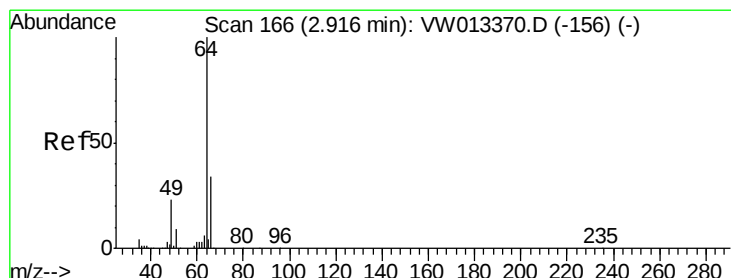
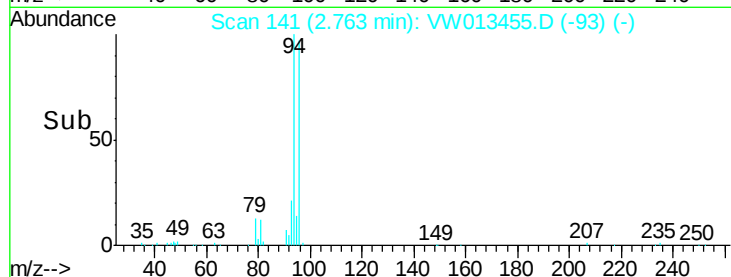
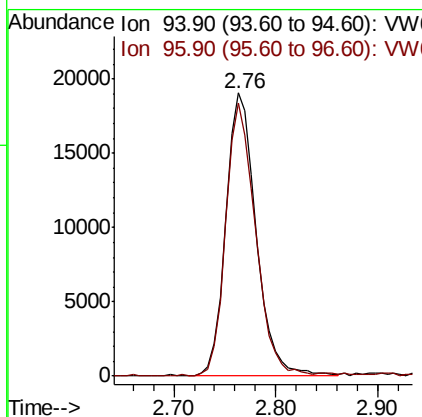
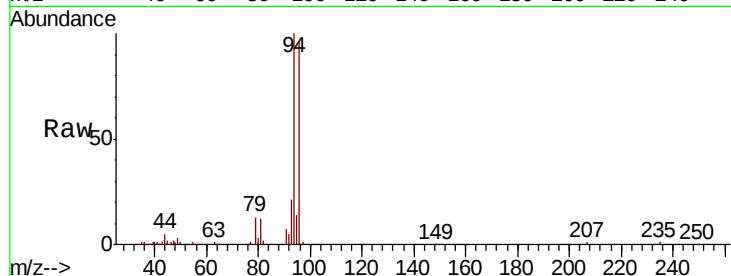
94 100

96 96.3 69.7 104.5

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#6

Chloroethane

Concen: 19.591 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013455.D

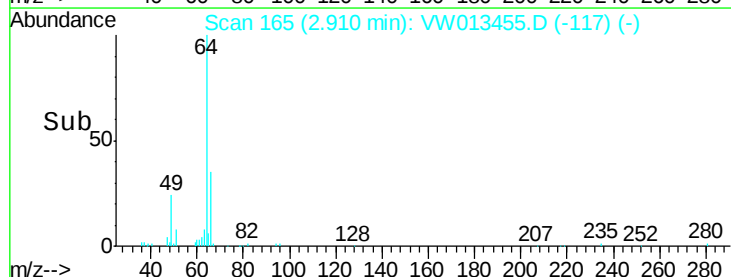
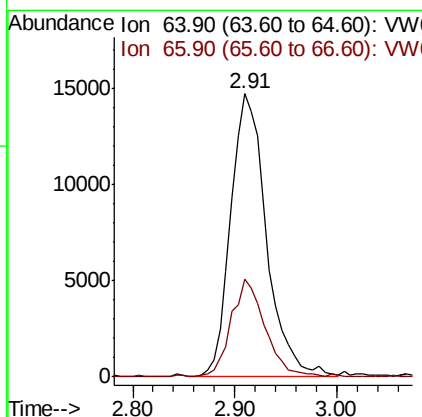
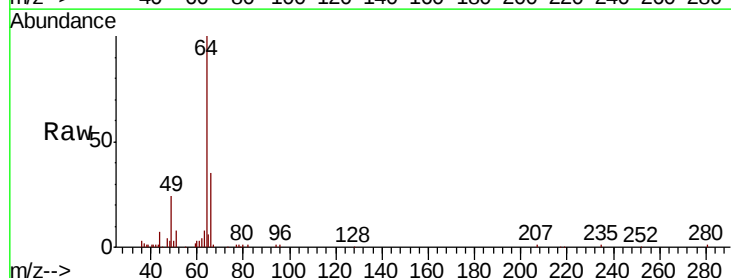
Acq: 07 Oct 2019 11:42

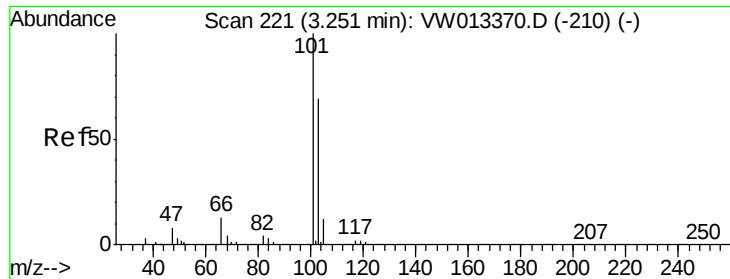
Tgt Ion: 64 Resp: 35801

Ion Ratio Lower Upper

64 100

66 34.4 26.6 39.8





#7

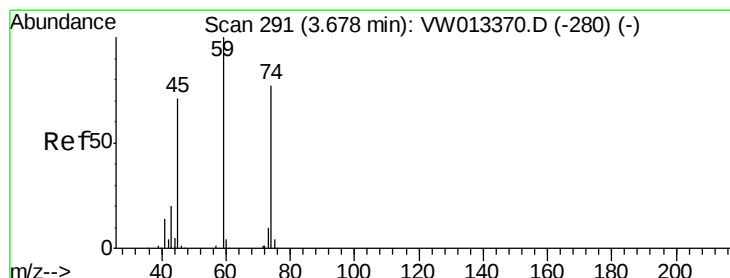
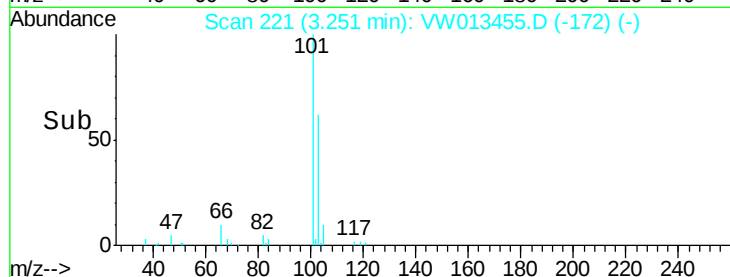
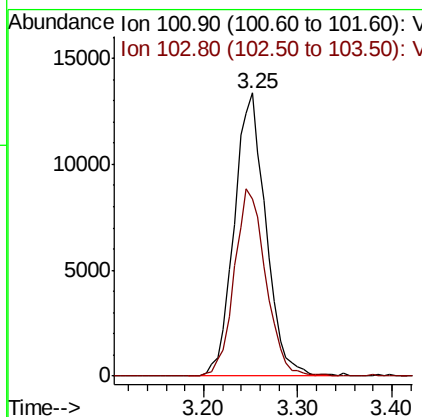
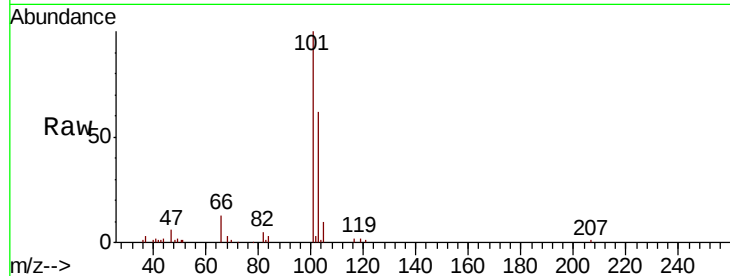
Trichlorofluoromethane
Concen: 22.828 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	49.7	74.5

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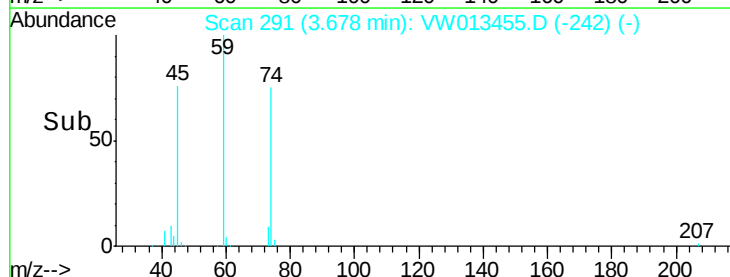
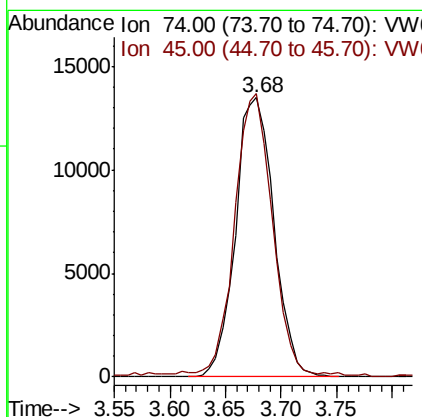
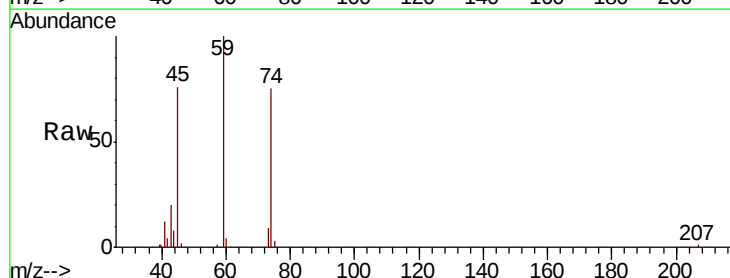
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10/8/2019 1:30:44 PM

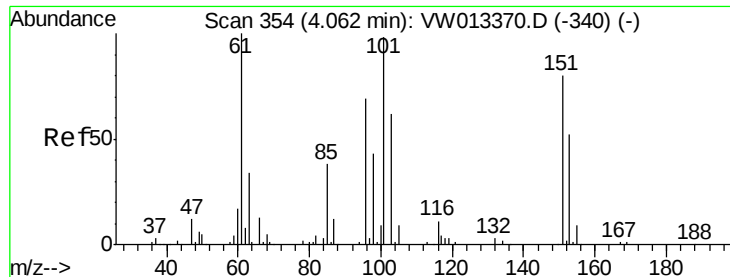


#8

Diethyl Ether
Concen: 20.321 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.004 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

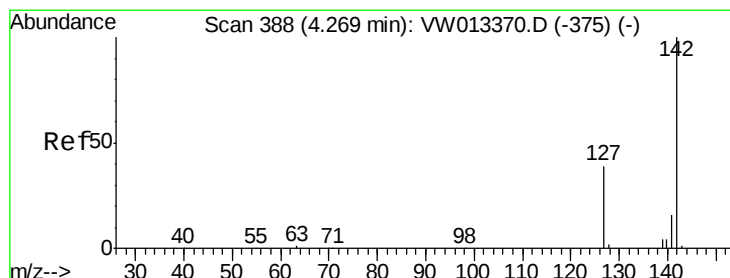
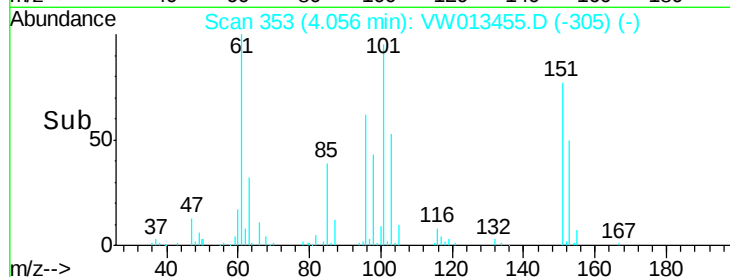
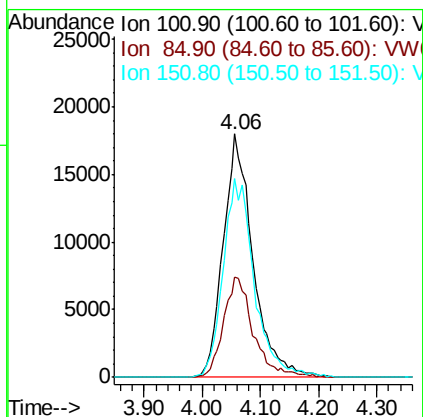
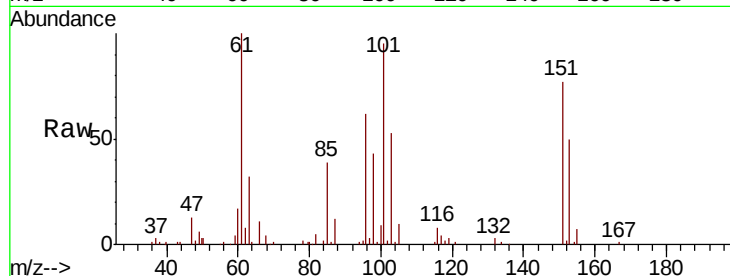
ClientSampleId :

VW1007SBS01

Tot Ion:	101	Resp:	63938
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.4	50.0
151	85.3	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.332 ug/l

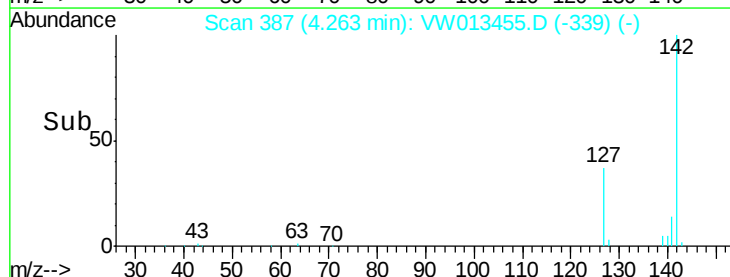
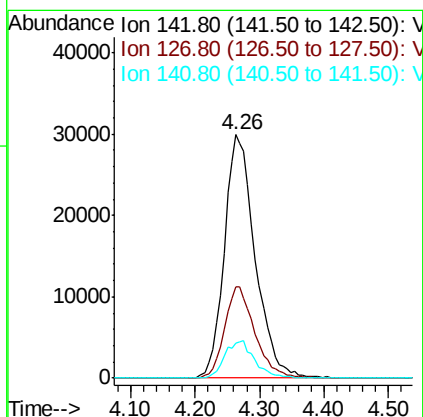
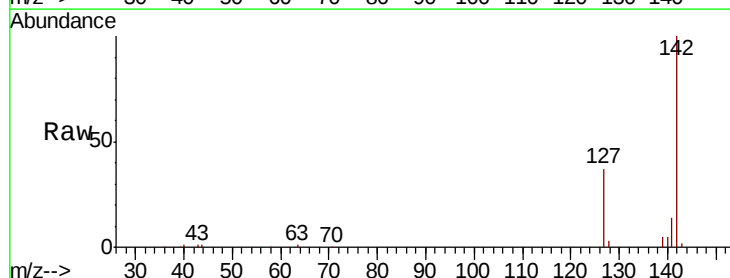
RT: 4.26 min Scan# 387

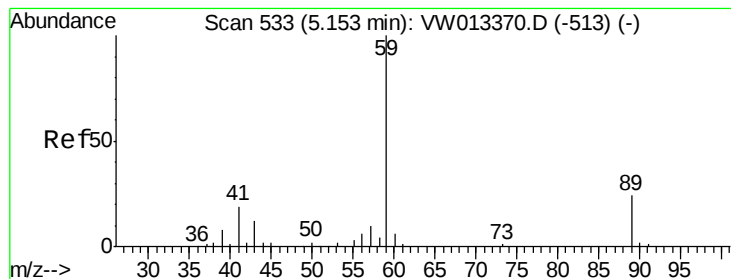
Delta R.T. -0.01 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Tgt Ion:	142	Resp:	99951
Ion Ratio	Lower	Upper	
142	100		
127	36.8	30.9	46.3
141	15.0	11.7	17.5





#11

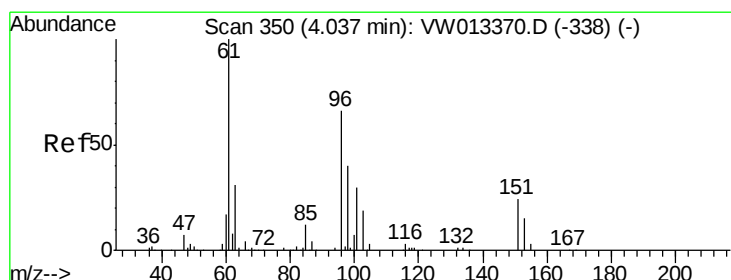
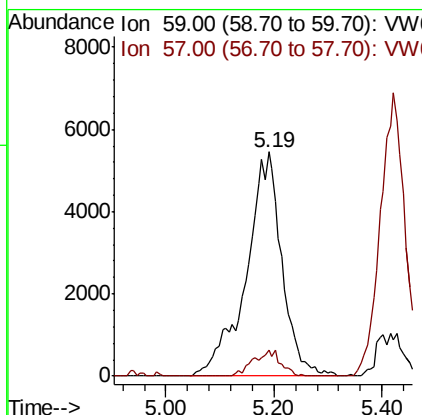
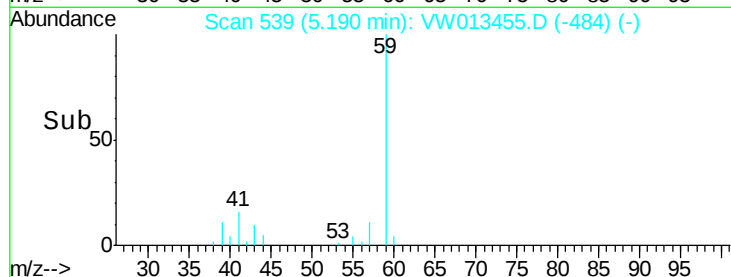
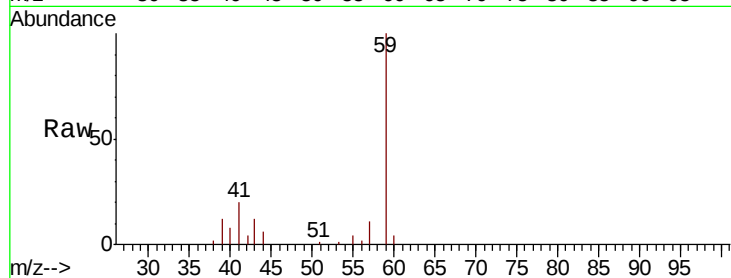
Tert butyl alcohol
Concen: 101.814 ug/l m
RT: 5.19 min Scan# 539
Delta R.T. 0.04 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

Manual Integrations
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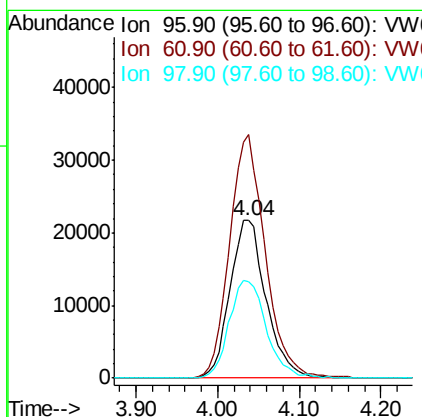
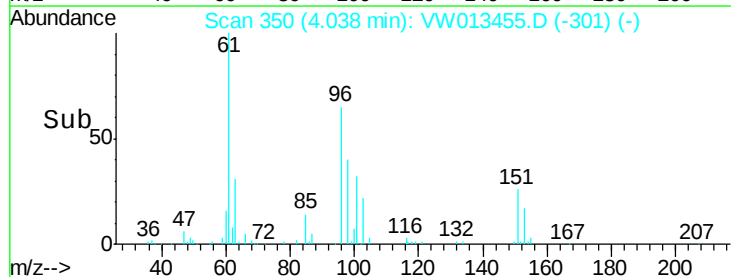
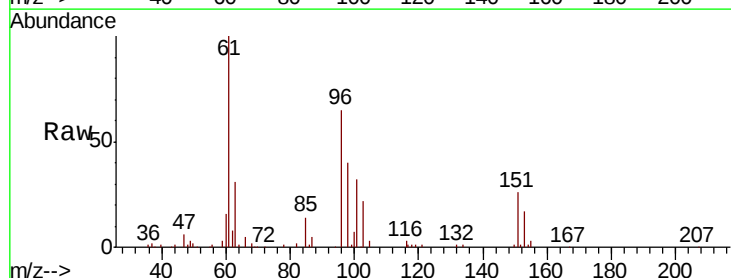
MMDadoda
10/8/2019 1:30:44 PM

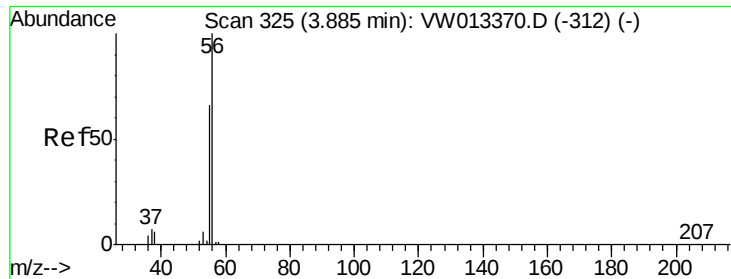


#12

1,1-Dichloroethene
Concen: 20.642 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.4	125.1	187.7
98	61.1	50.8	76.2





#13

Acrolein

Concen: 96.361 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 56 Resp: 23626

Ion Ratio Lower Upper

56 100

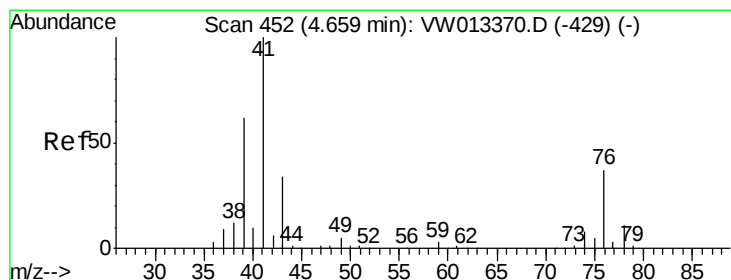
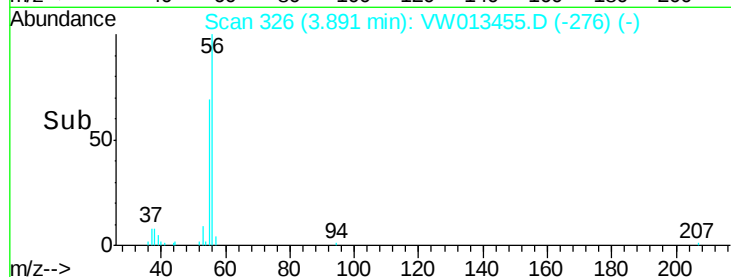
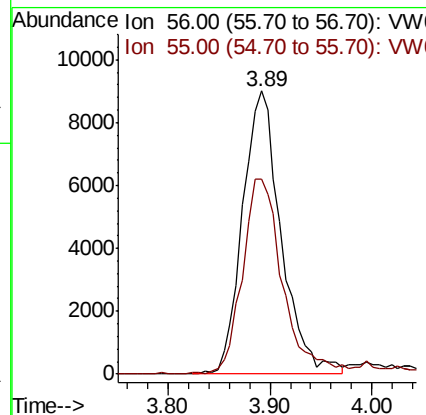
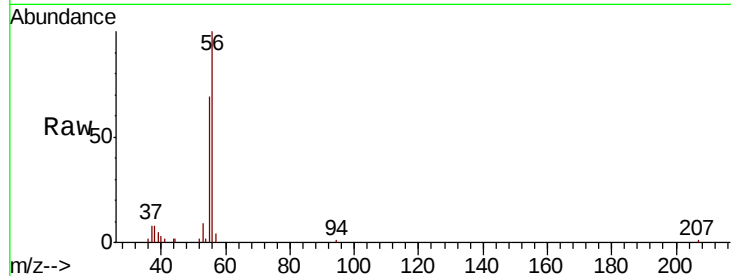
55 71.6 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 21.243 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

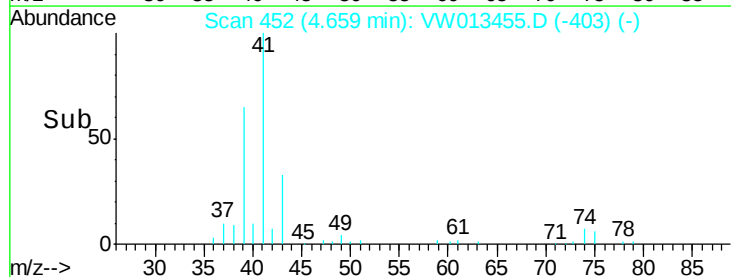
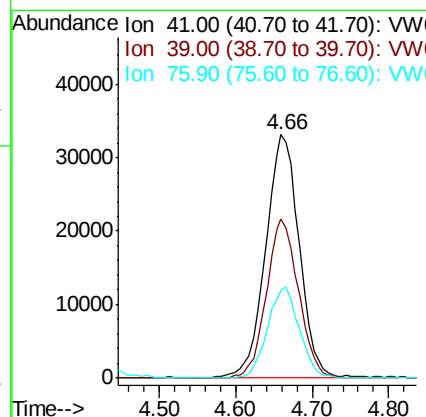
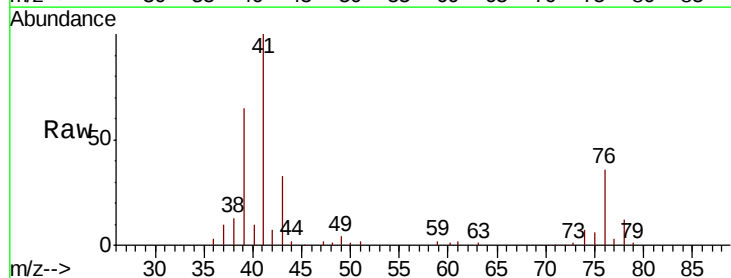
Tgt Ion: 41 Resp: 101069

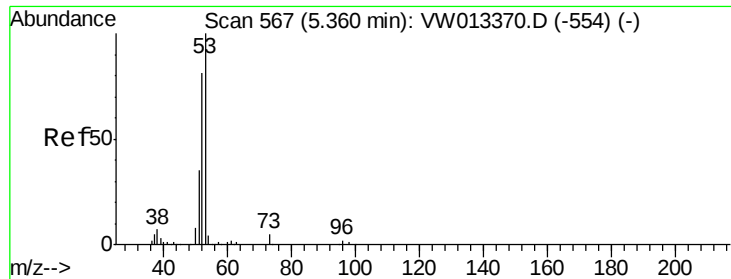
Ion Ratio Lower Upper

41 100

39 63.0 51.0 76.4

76 35.4 28.4 42.6





#15

Acrylonitrile

Concen: 101.469 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

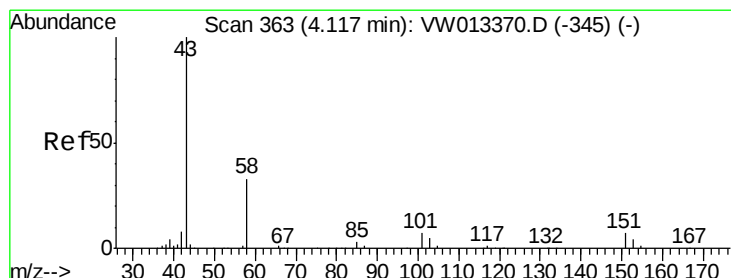
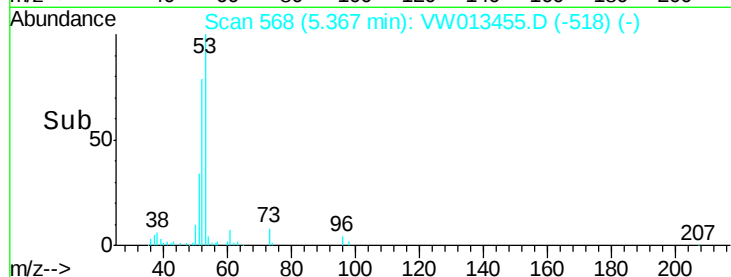
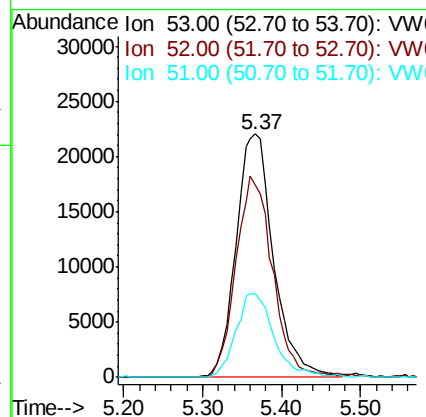
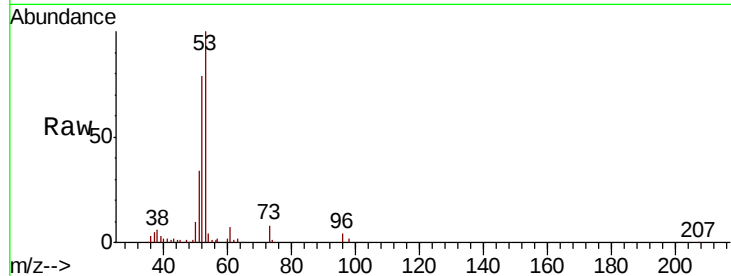
ClientSampleId :

VW1007SBS01

Tot Ion:	53	Resp:	72896
Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.3	97.9
51	34.9	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 77.760 ug/l

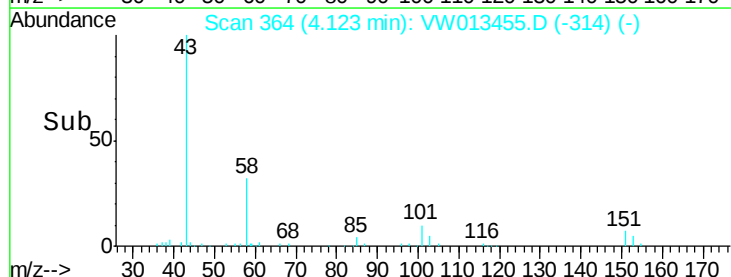
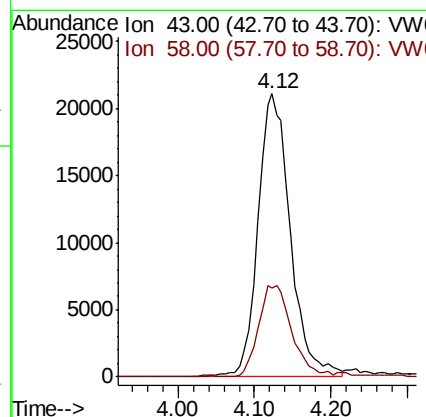
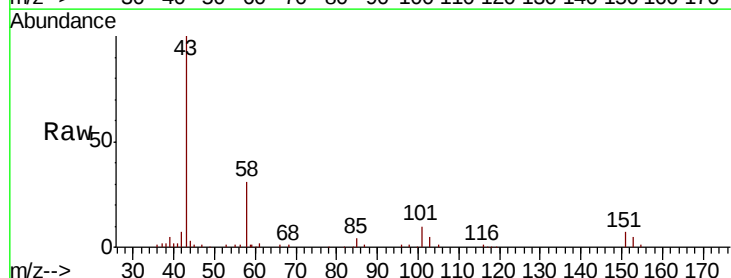
RT: 4.12 min Scan# 364

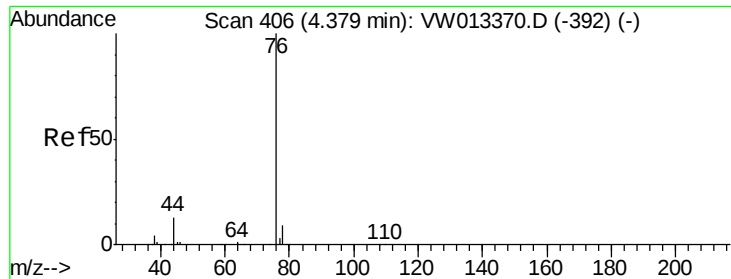
Delta R.T. 0.01 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Tgt Ion:	43	Resp:	62179
Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.1	36.1





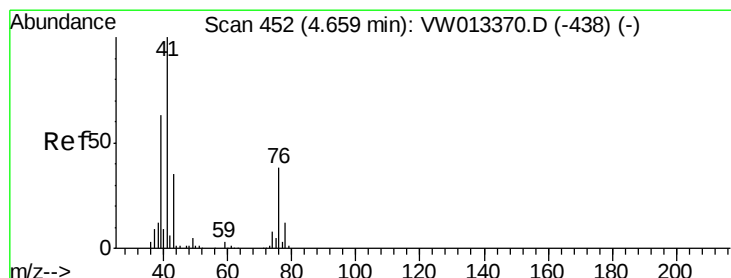
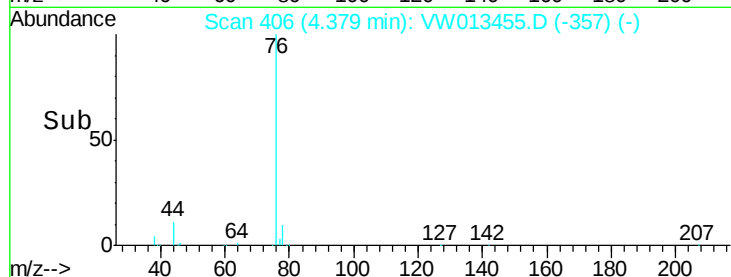
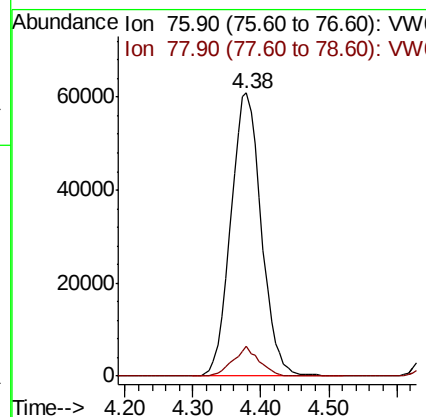
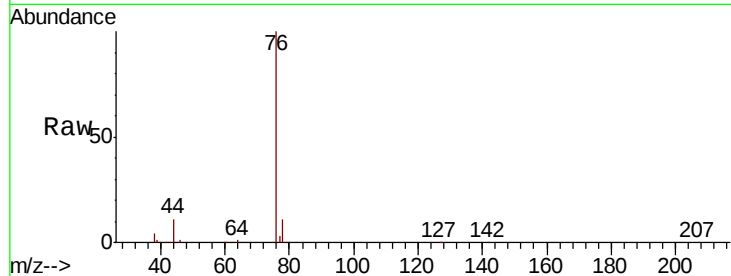
#17
Carbon Disulfide
Concen: 21.063 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.0	10.4#

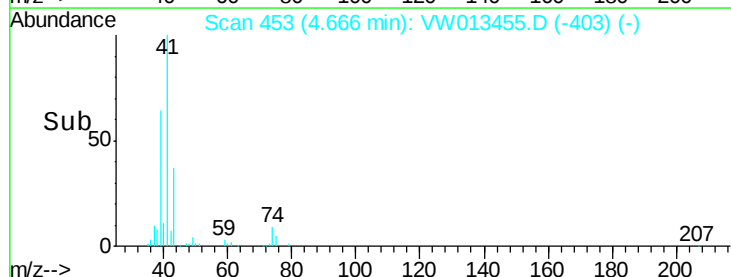
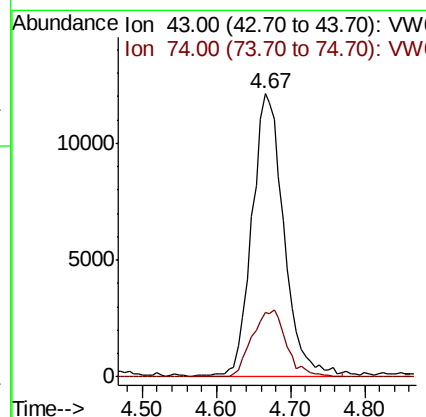
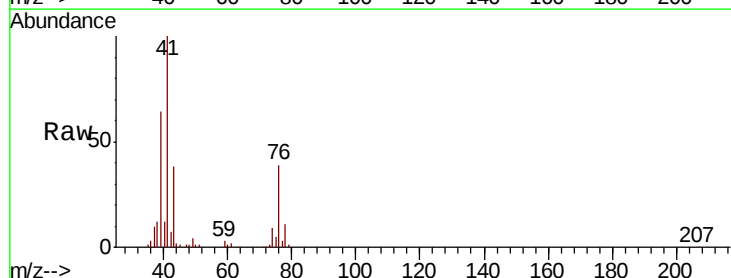
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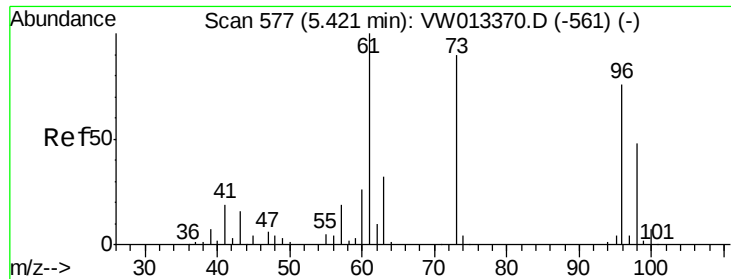
MMDadoda
10/8/2019 1:30:44 PM



#18
Methyl Acetate
Concen: 19.593 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.3	28.9





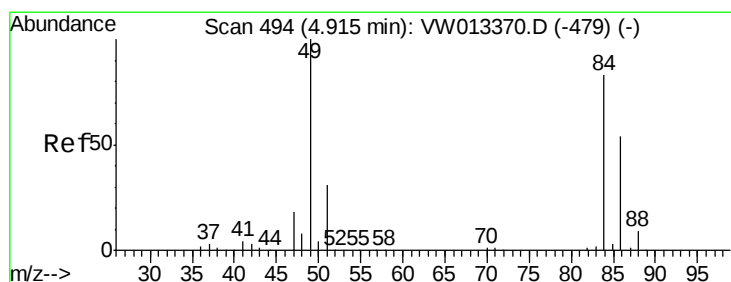
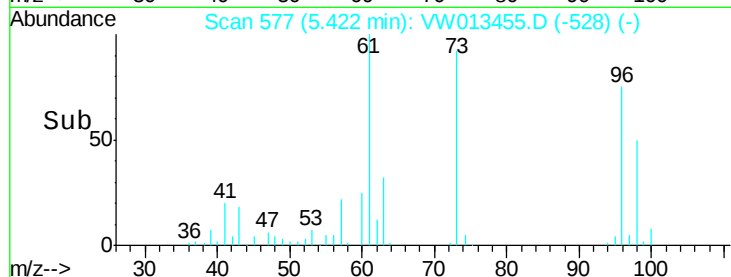
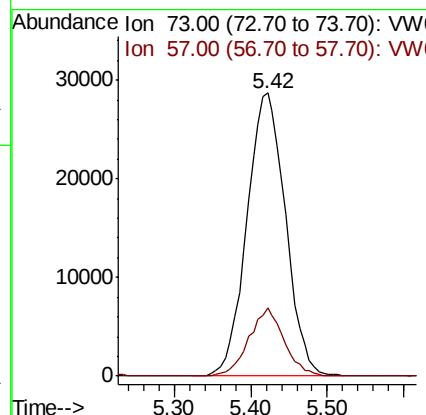
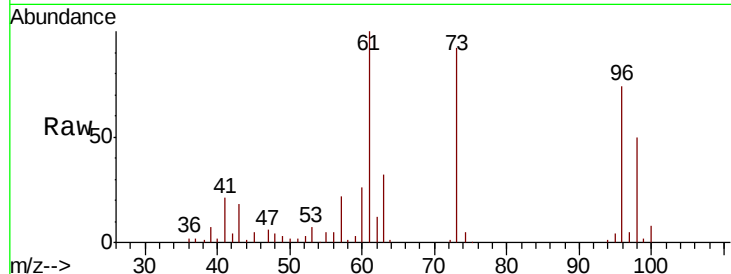
#19
Methvl tert-butvl Ether
Concen: 21.209 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion: 73 Resp: 100394
Ion Ratio Lower Upper
73 100
57 24.0 17.6 26.4

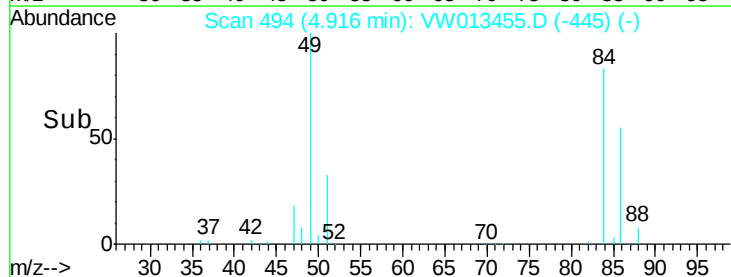
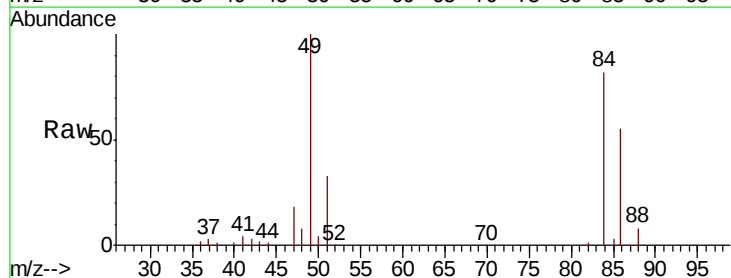
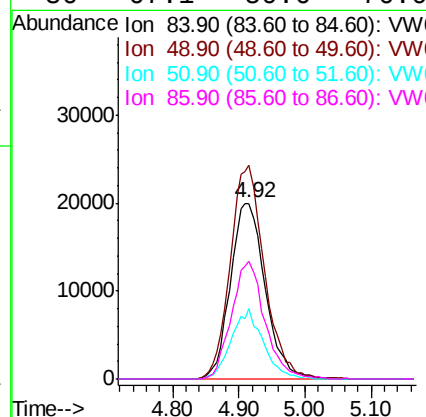
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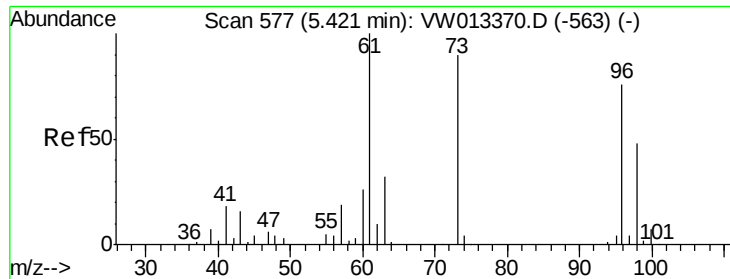
MMDadoda
10/8/2019 1:30:44 PM



#20
Methylene Chloride
Concen: 20.789 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion: 84 Resp: 72888
Ion Ratio Lower Upper
84 100
49 121.6 97.6 146.4
51 39.9 30.2 45.2
86 67.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.620 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

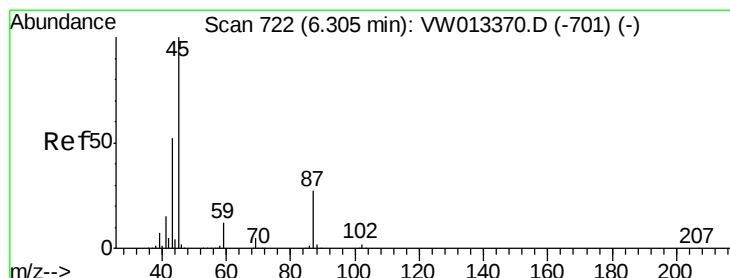
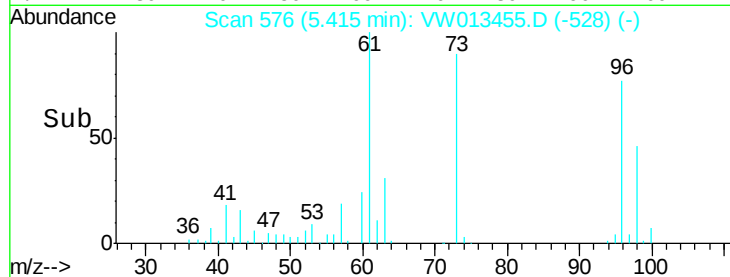
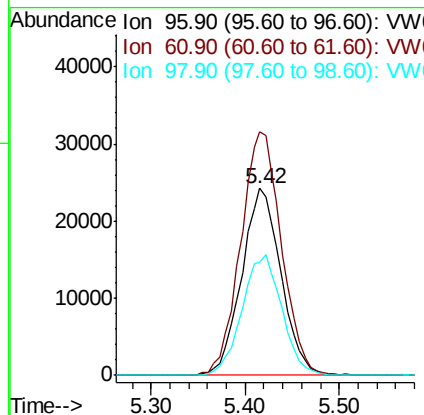
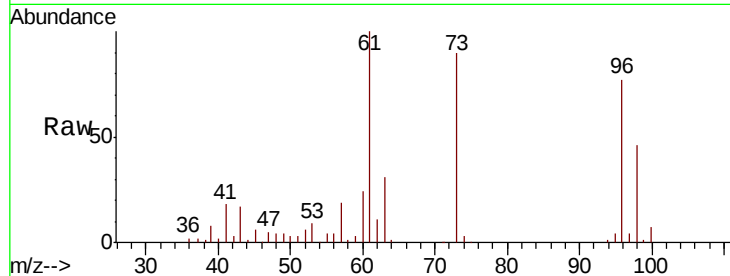
ClientSampleId :

VW1007SBSD01

Tot Ion:	96	Resp:	70625
Ion	Ratio	Lower	Upper
96	100		
61	130.1	106.6	159.8
98	60.1	49.8	74.8

Manual Integrations
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10/8/2019 1:30:44 PM



#22

Diisopropyl ether

Concen: 20.859 ug/l

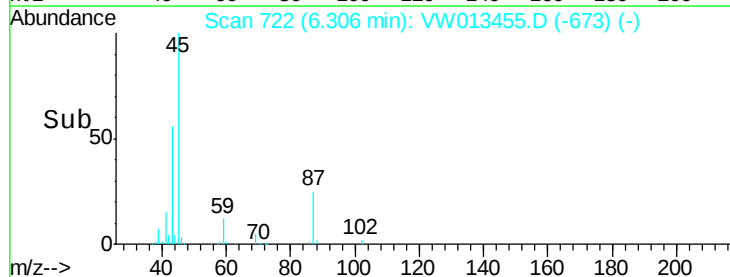
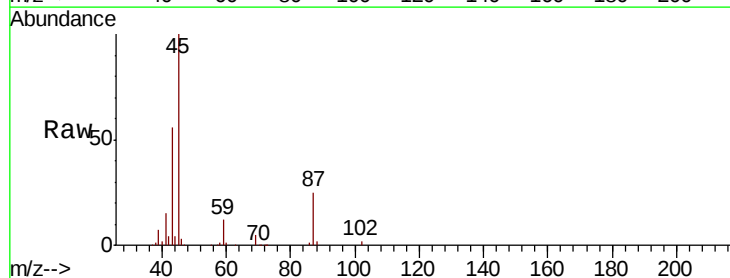
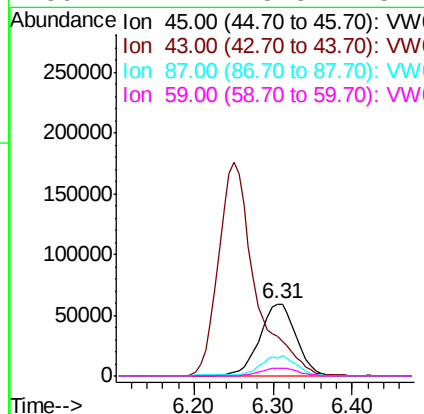
RT: 6.31 min Scan# 722

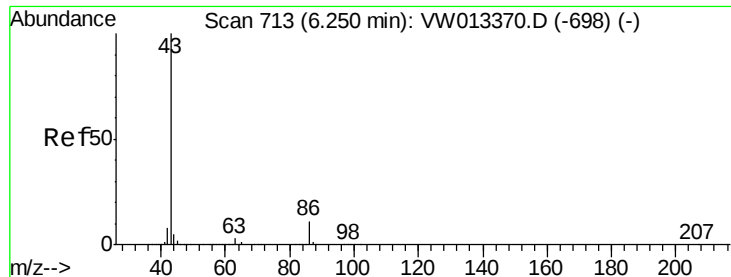
Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Tgt Ion:	45	Resp:	191660
Ion	Ratio	Lower	Upper
45	100		
43	54.9	42.4	63.6
87	25.0	20.4	30.6
59	11.4	8.8	13.2





#23

Vinyl Acetate

Concen: 103.944 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 43 Resp: 573079

Ion Ratio Lower Upper

43 100

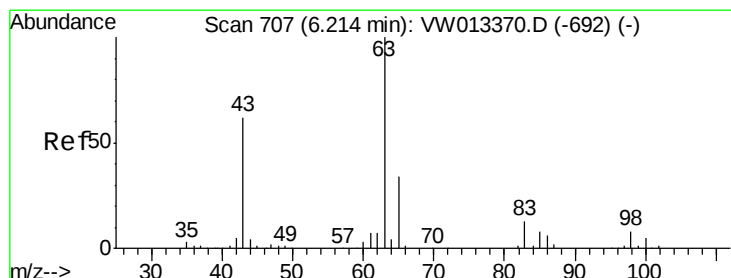
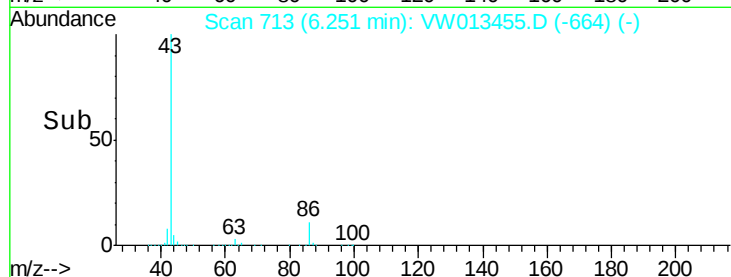
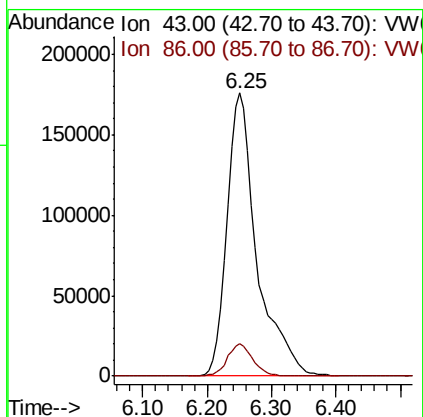
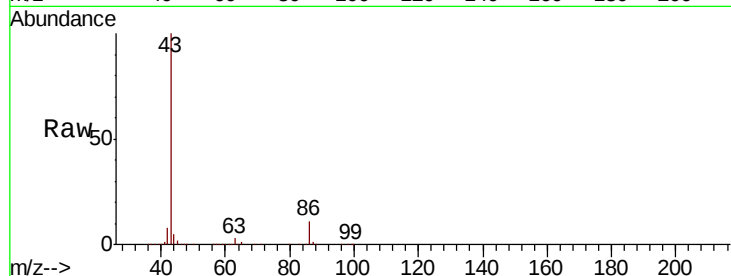
86 11.4 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.877 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

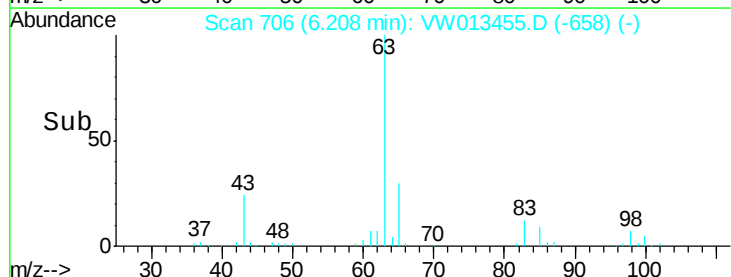
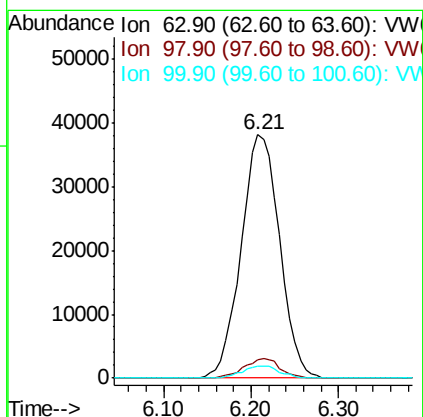
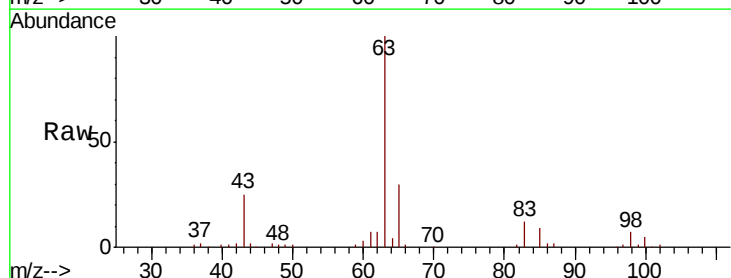
Tgt Ion: 63 Resp: 116836

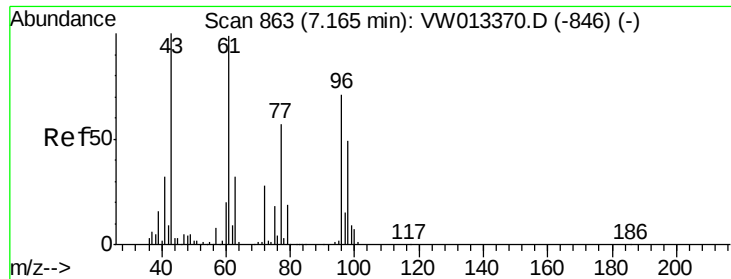
Ion Ratio Lower Upper

63 100

98 7.4 3.5 10.5

100 4.7 2.4 7.1





#25

2-Butanone

Concen: 90.946 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 43 Resp: 93054

Ion Ratio Lower Upper

43 100

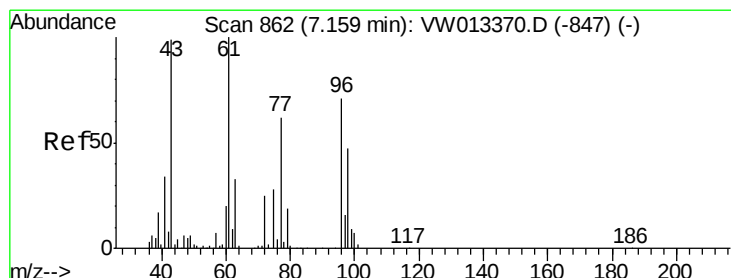
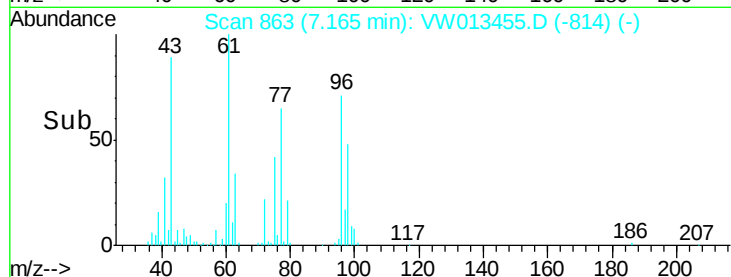
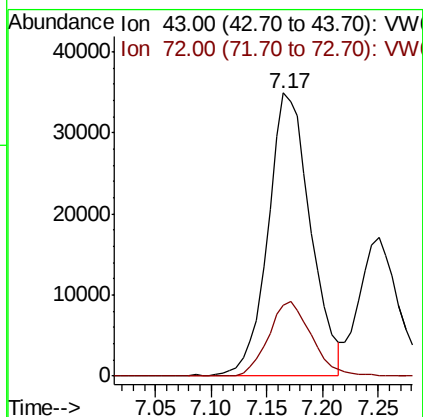
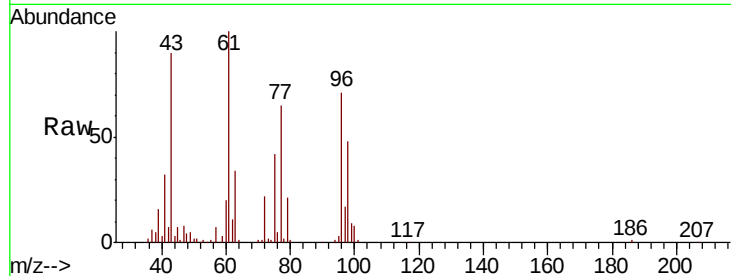
72 24.8 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.360 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013455.D

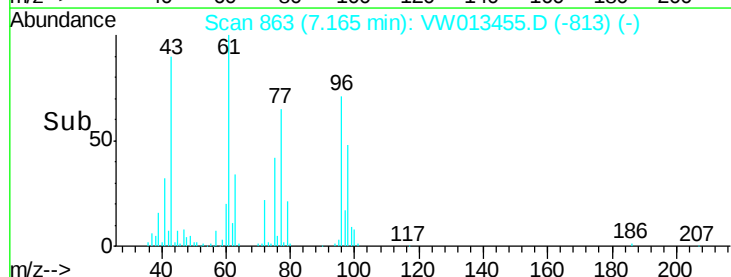
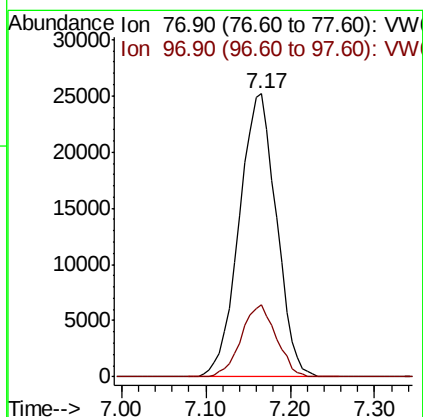
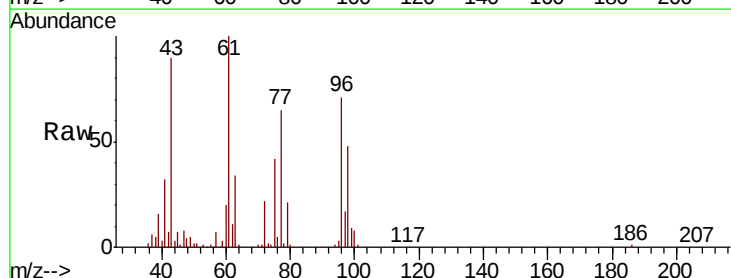
Acq: 07 Oct 2019 11:42

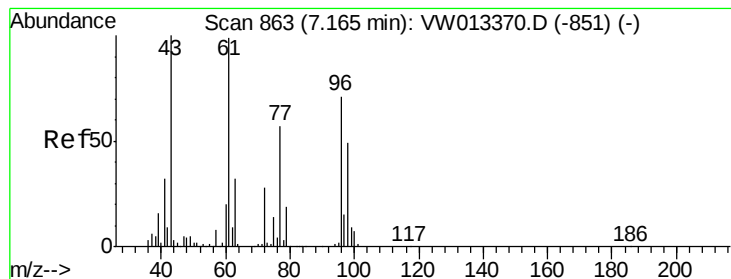
Tgt Ion: 77 Resp: 75372

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.4





#27

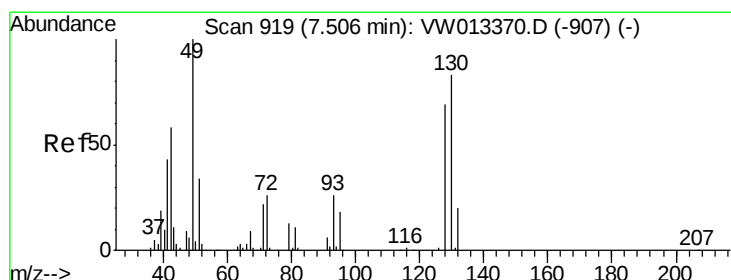
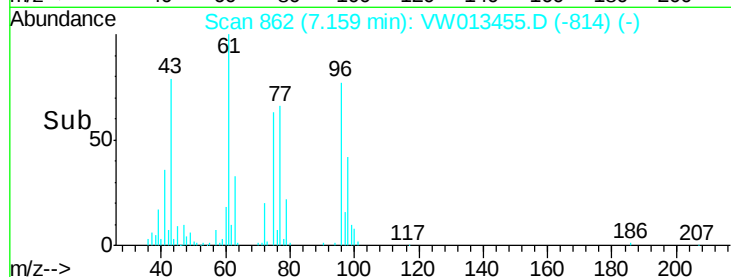
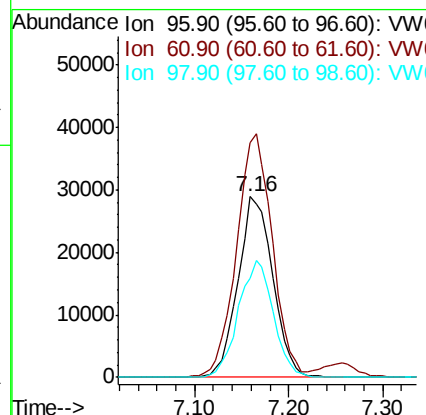
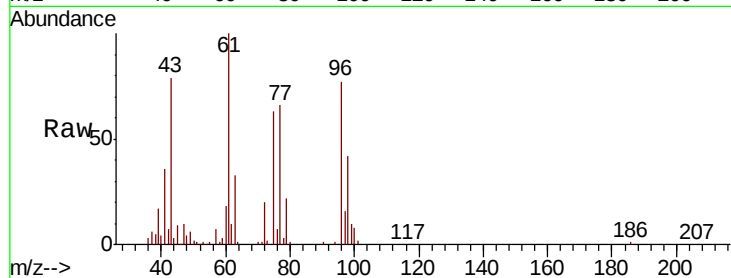
cis-1,2-Dichloroethene
 Concen: 20.808 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	0.0	282.4
98	64.9	0.0	128.2

Manual Integrations
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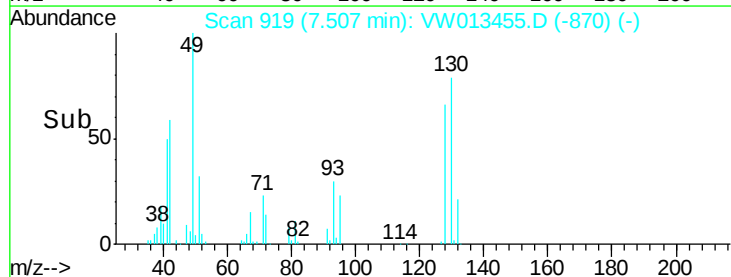
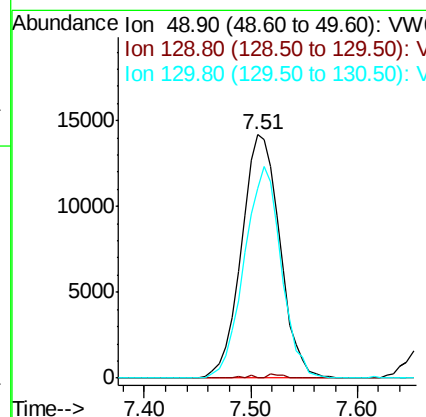
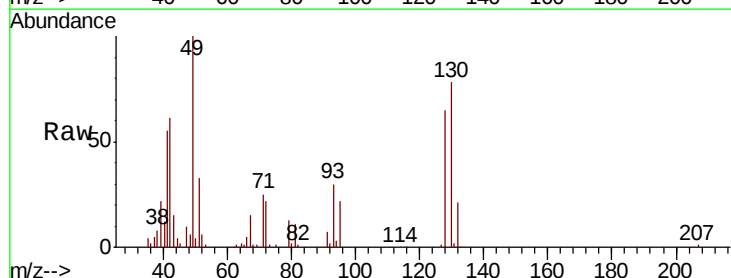
MMDadoda
 10/8/2019 1:30:44 PM

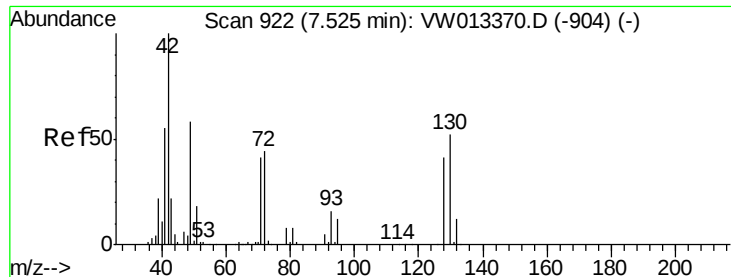


#28

Bromochloromethane
 Concen: 17.758 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.0
130	83.7	63.4	95.2





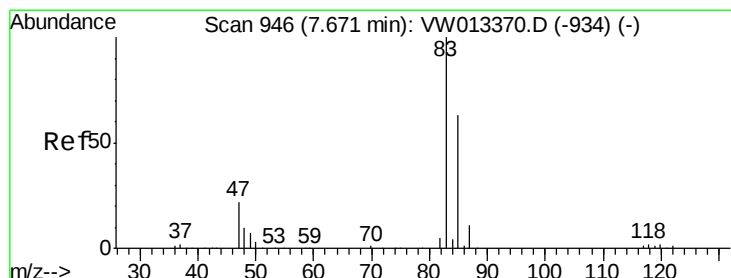
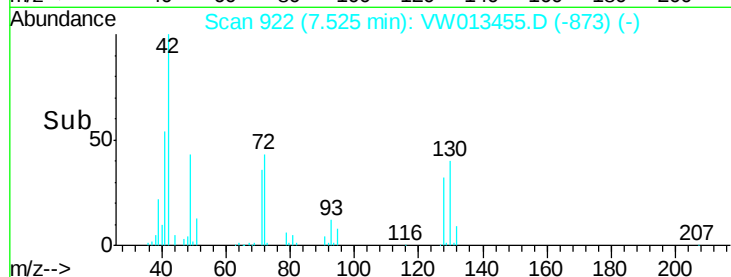
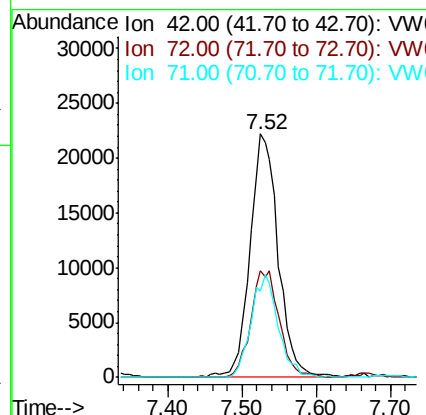
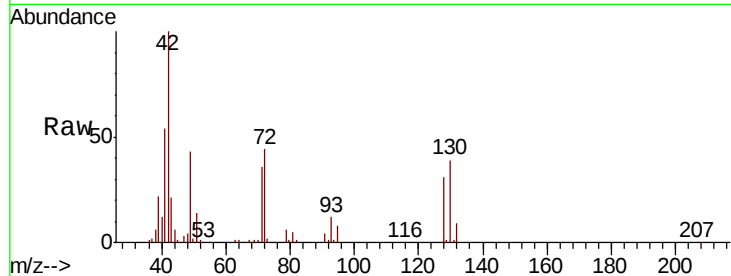
#29
Tetrahydrofuran
Concen: 104.948 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	33.9	50.9
71	40.6	31.9	47.9

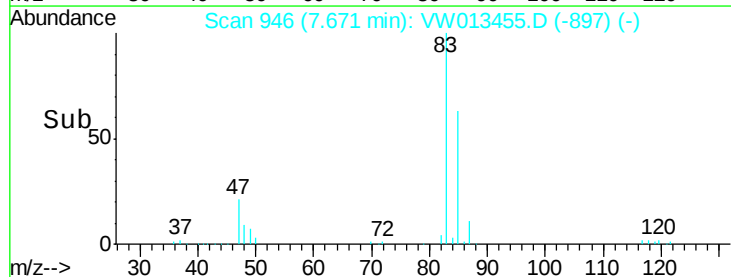
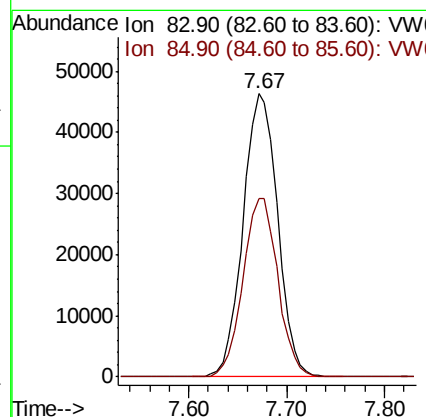
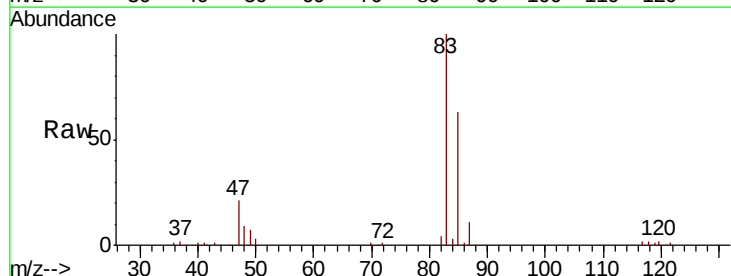
Manual Integrations
APPROVED

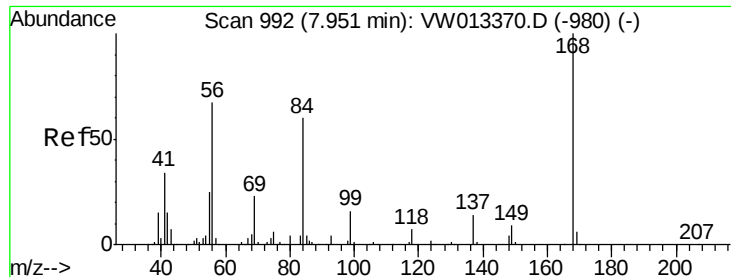
MMDadoda
10/8/2019 1:30:44 PM



#30
Chloroform
Concen: 20.687 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.3	78.5





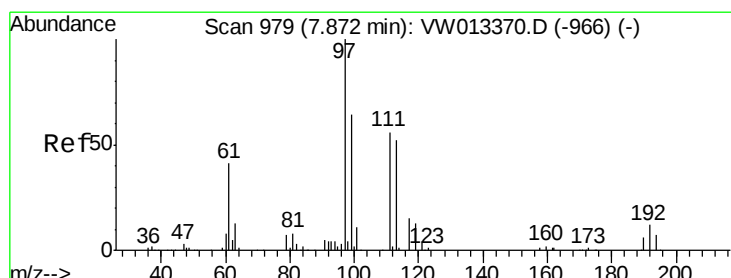
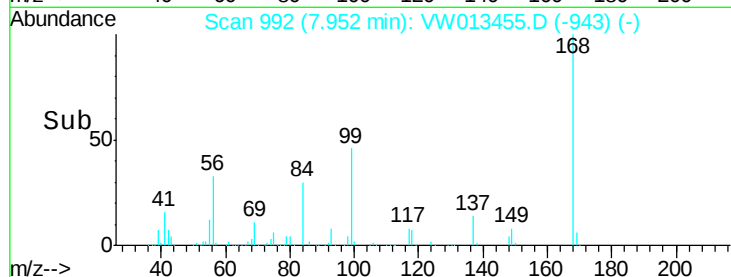
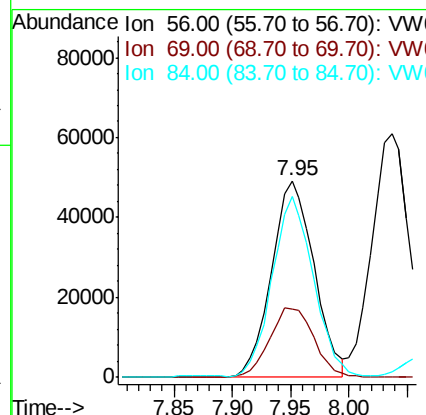
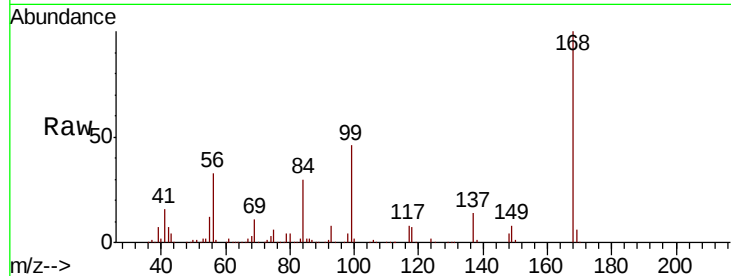
#31
Cyclohexane
Concen: 20.862 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	27.2	40.8
84	91.2	70.8	106.2

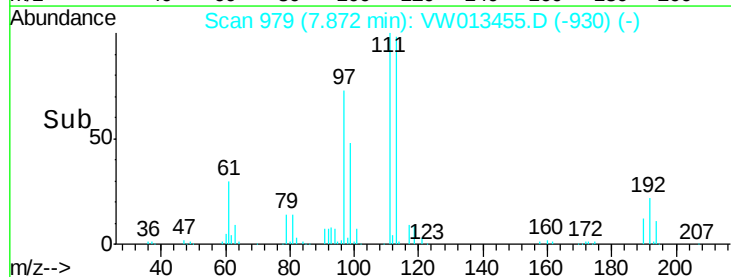
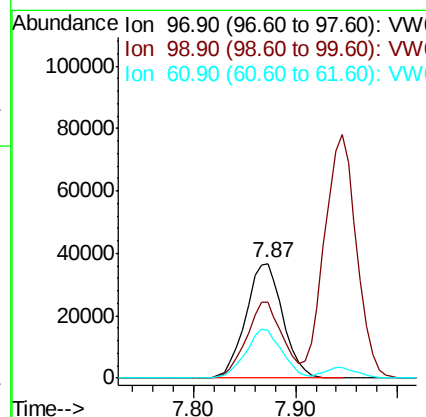
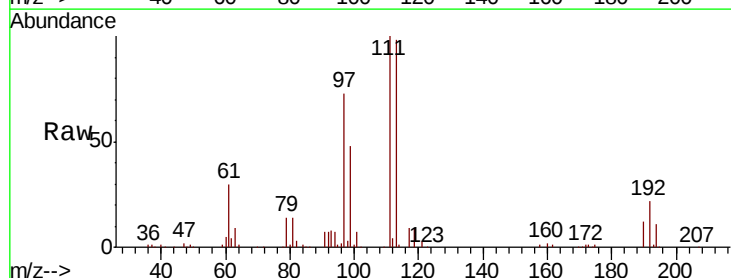
Manual Integrations
APPROVED

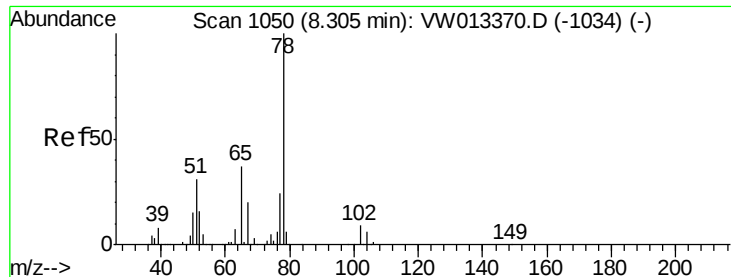
MMDadoda
10/8/2019 1:30:44 PM



#32
1,1,1-Trichloroethane
Concen: 21.577 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.7	77.5
61	41.9	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 53.656 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

Tot Ion: 65 Resp: 139973

Ion Ratio Lower Upper

65 100

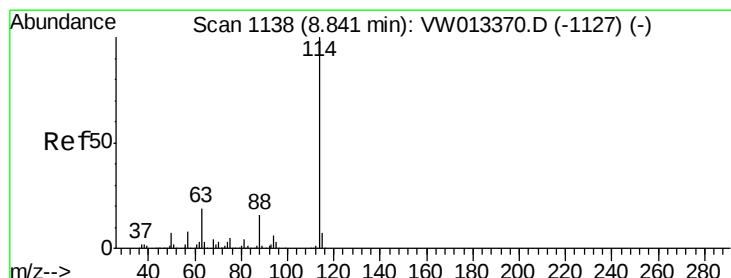
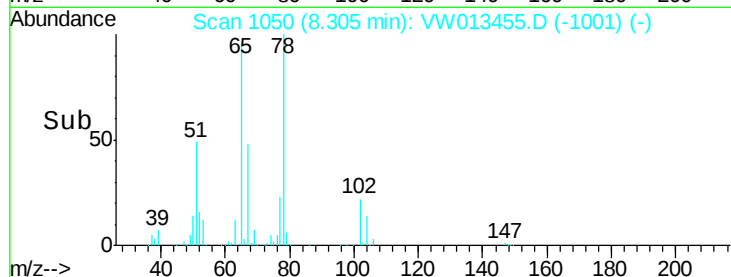
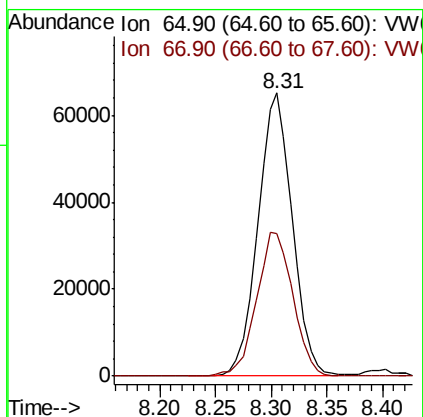
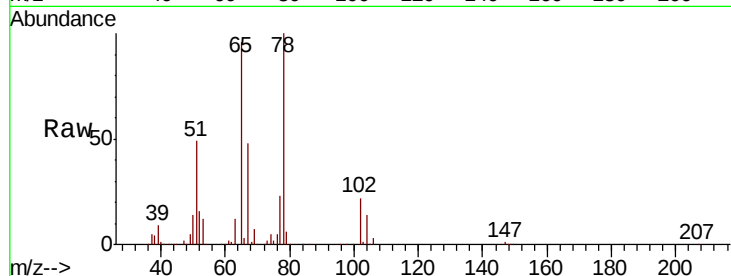
67 53.8 0.0 106.2

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: VW013455.D

Acq: 07 Oct 2019 11:42

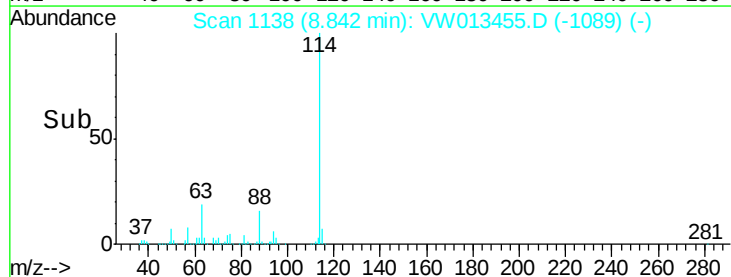
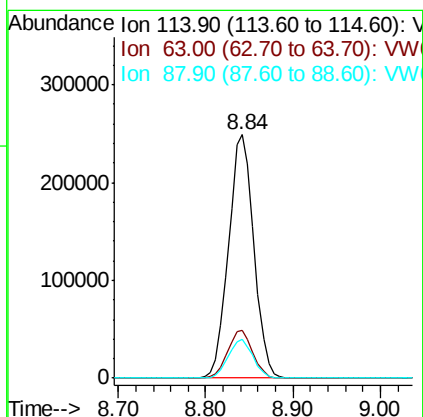
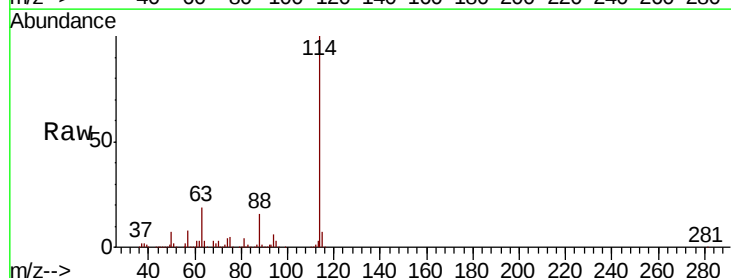
Tgt Ion: 114 Resp: 500742

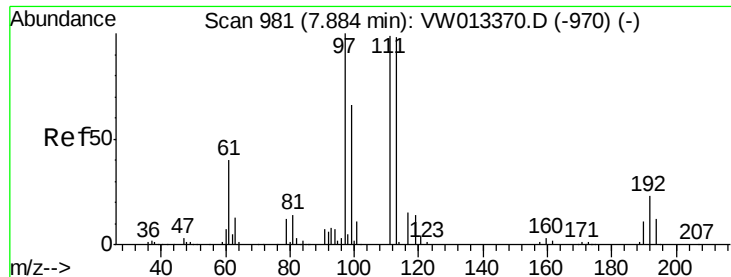
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

88 15.8 0.0 32.0





#35

Dibromofluoromethane

Concen: 54.750 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

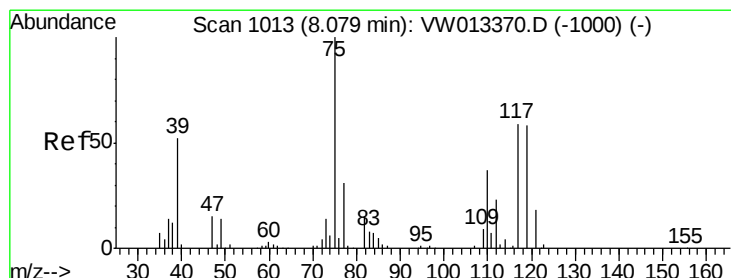
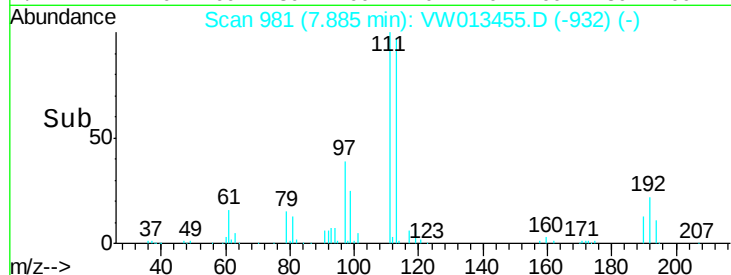
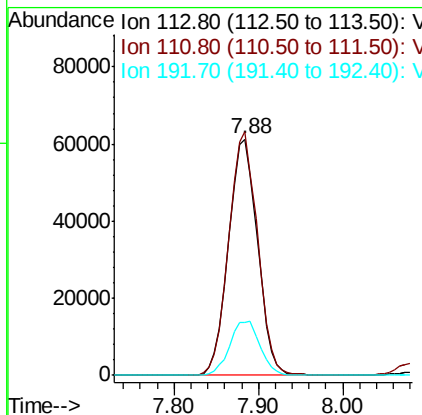
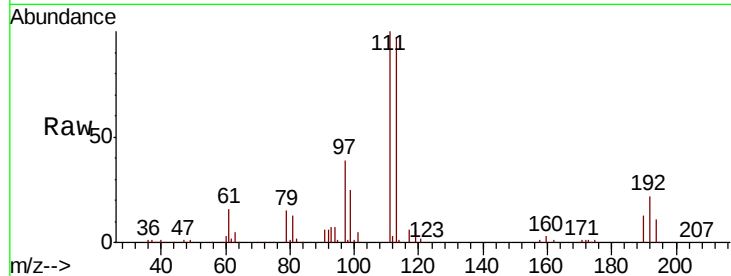
ClientSampleId :

VW1007SBSD01

Tot Ion:	113	Resp:	143855
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.9	122.9
192	23.8	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.076 ug/l

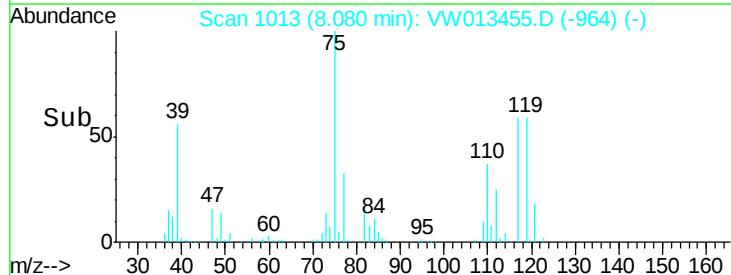
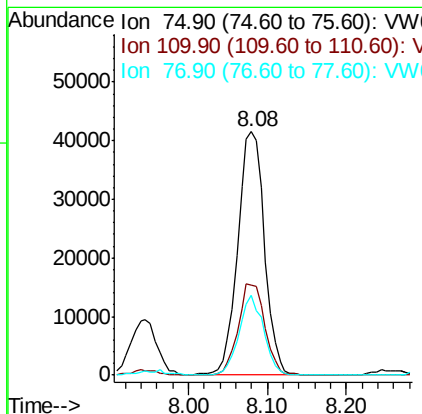
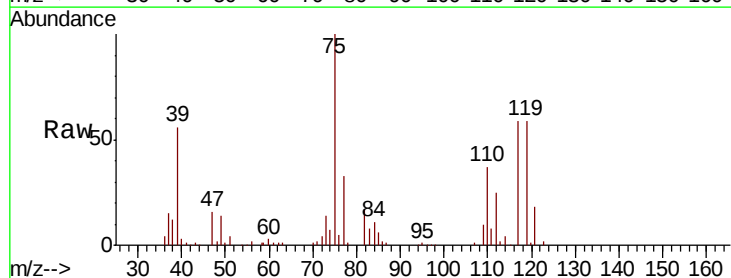
RT: 8.08 min Scan# 1013

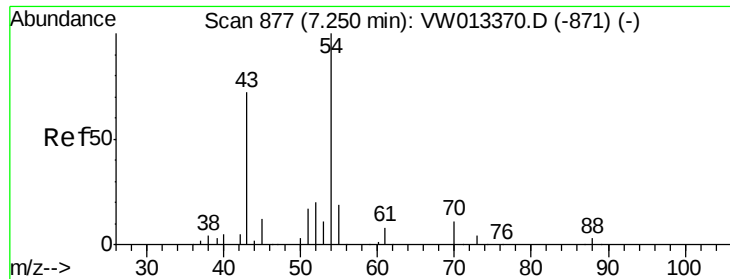
Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Tgt Ion:	75	Resp:	98023
Ion Ratio	Lower	Upper	
75	100		
110	37.4	18.1	54.3
77	30.4	25.8	38.6





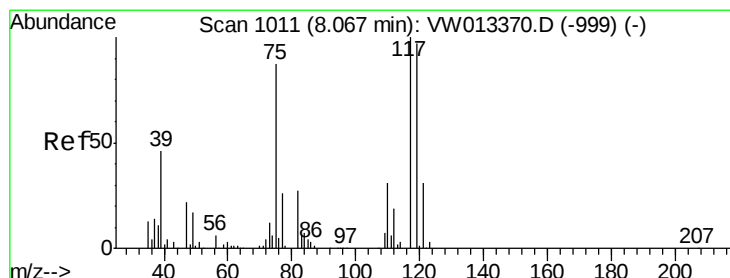
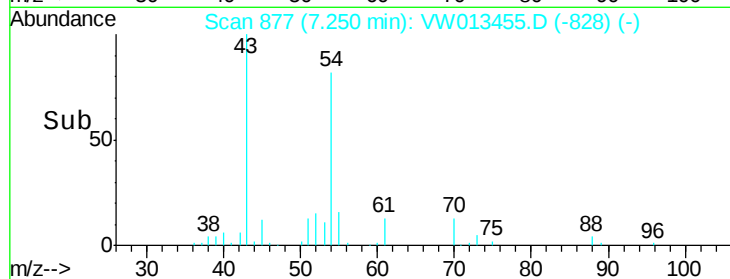
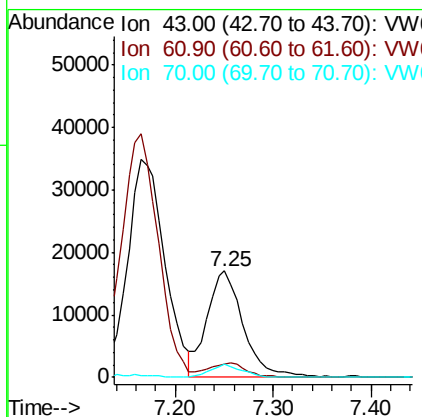
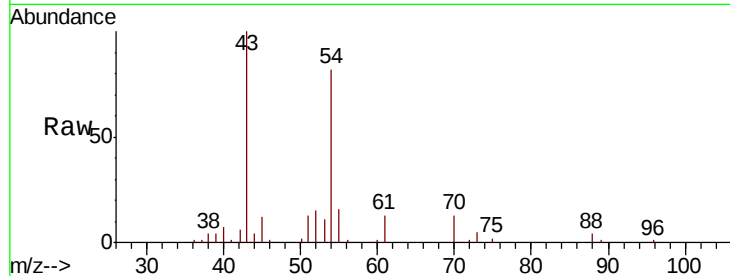
#37
Ethyl Acetate
Concen: 21.150 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleID :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	11.2	8.2	12.2

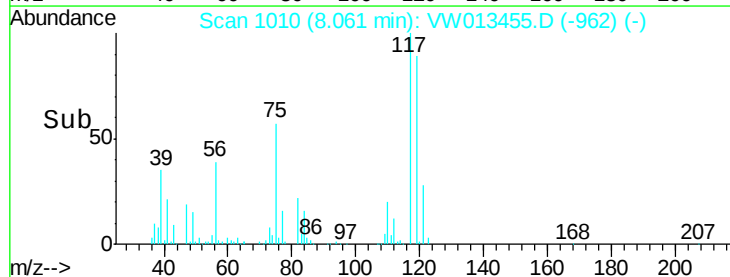
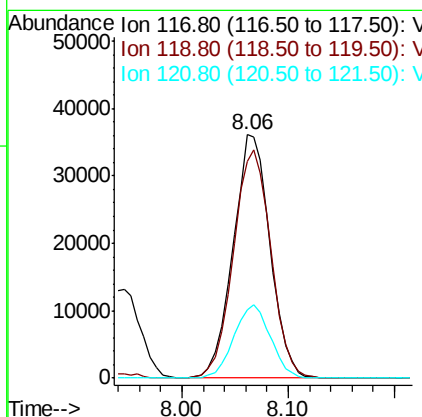
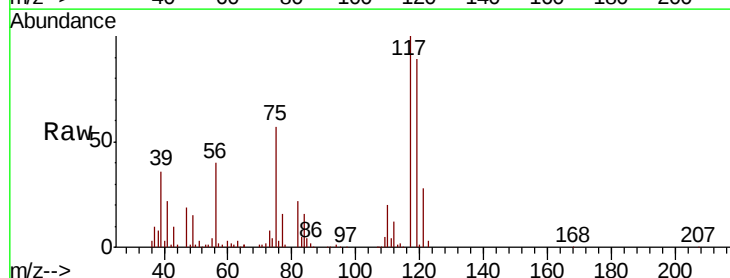
Manual Integrations
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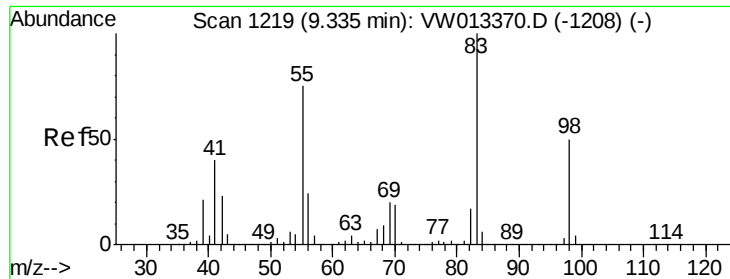
MMDadoda
10/8/2019 1:30:44 PM



#38
Carbon Tetrachloride
Concen: 21.772 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.3	73.5	110.3
121	27.8	25.0	37.6





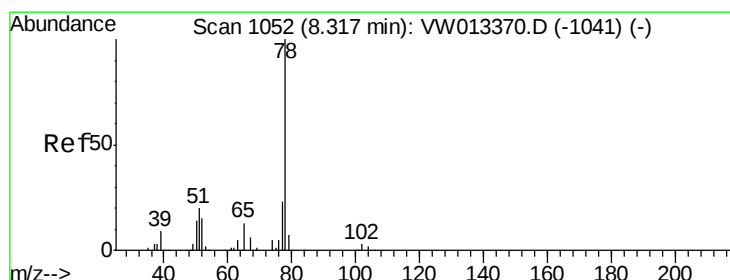
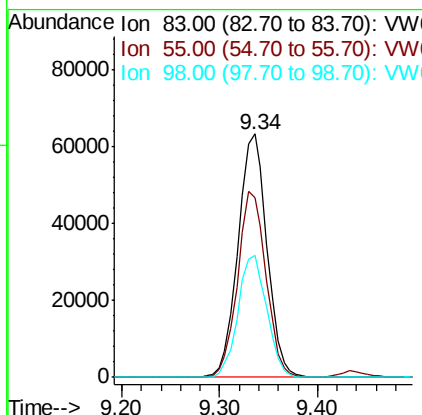
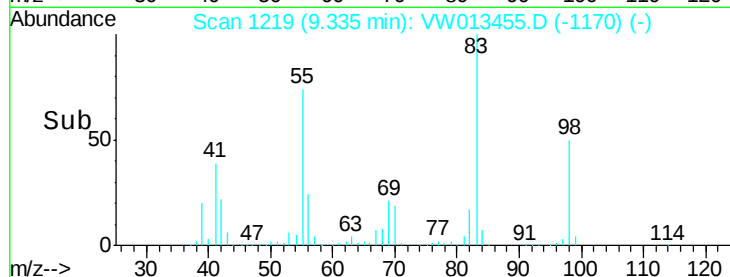
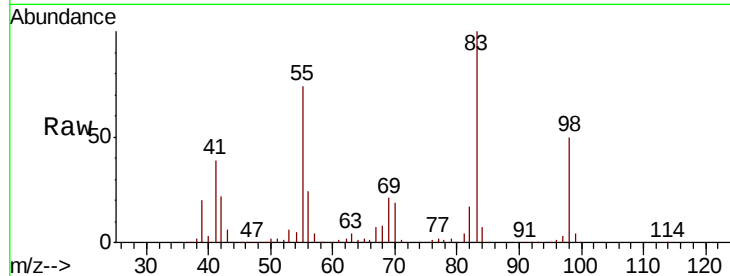
#39
Methvlcvclohexane
Concen: 21.232 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.5	60.4	90.6	
98	50.4	40.0	60.0	

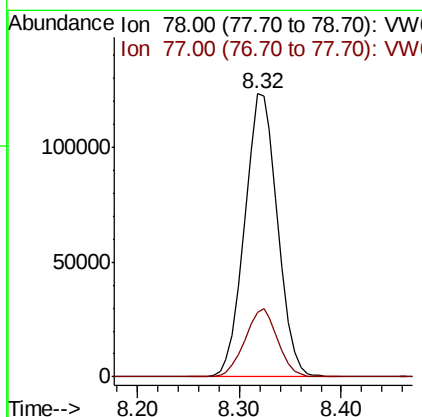
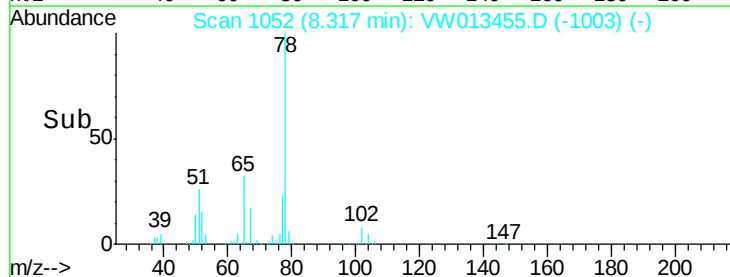
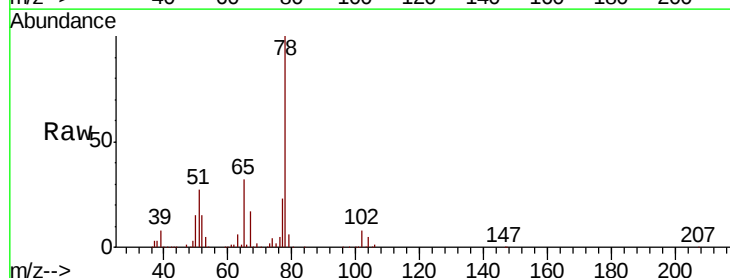
Manual Integrations
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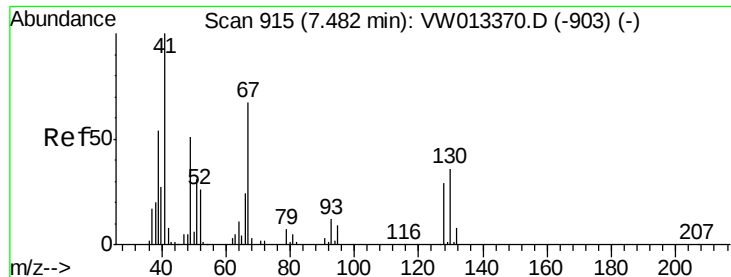
MMDadoda
10/8/2019 1:30:44 PM



#40
Benzene
Concen: 21.056 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	19.1	28.7	





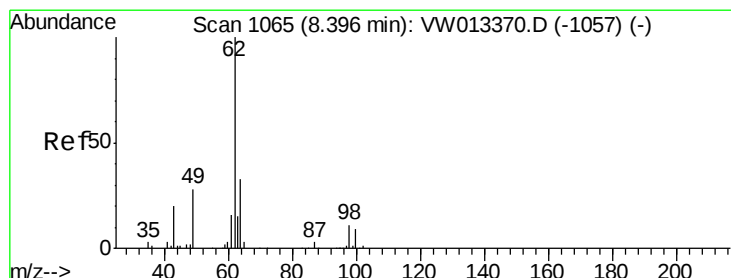
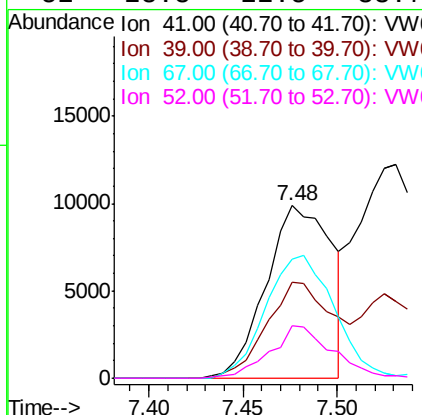
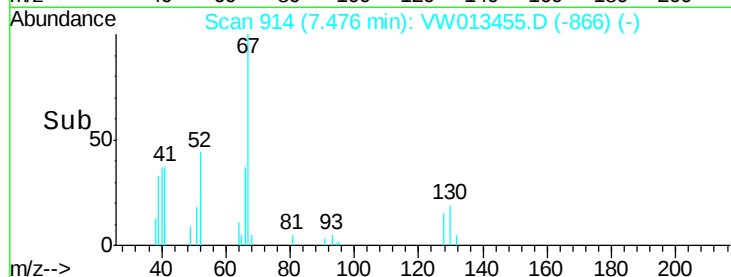
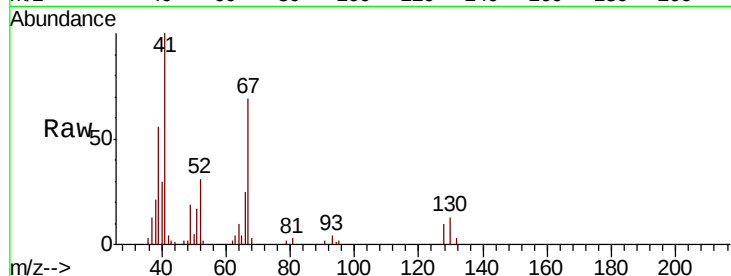
#41
Methacrylonitrile
Concen: 19.293 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	57.4	45.9	68.9	
67	75.5	54.5	81.7	
52	28.8	22.5	33.7	

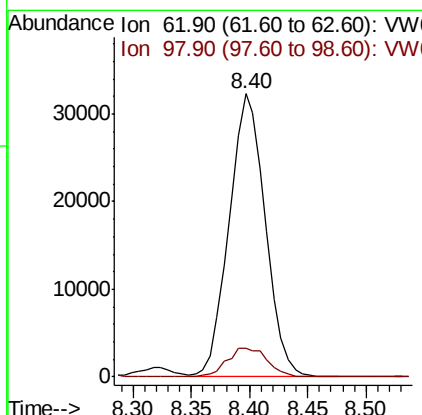
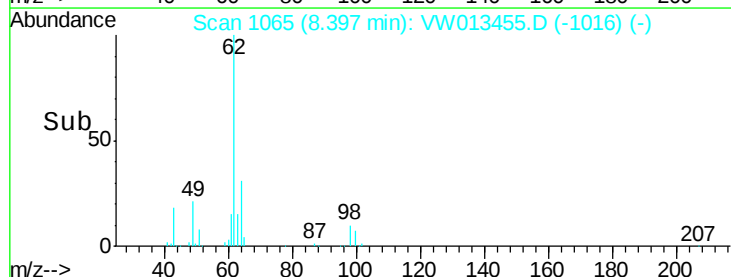
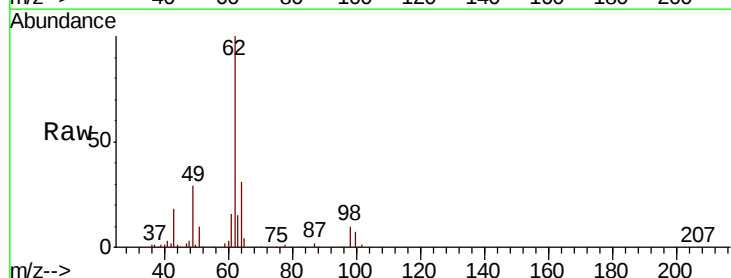
Manual Integrations
APPROVED

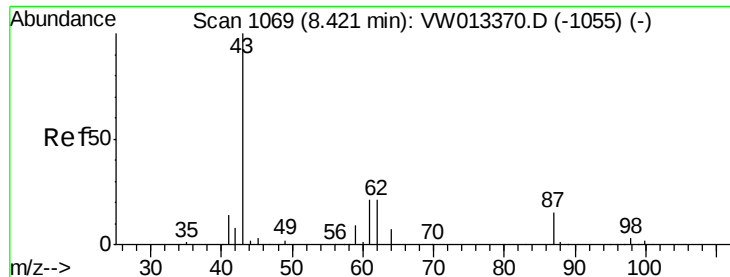
MMDadoda
10/8/2019 1:30:44 PM



#42
1,2-Dichloroethane
Concen: 20.610 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.5	0.0	20.6	





#43

Isopropyl Acetate

Concen: 20.209 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

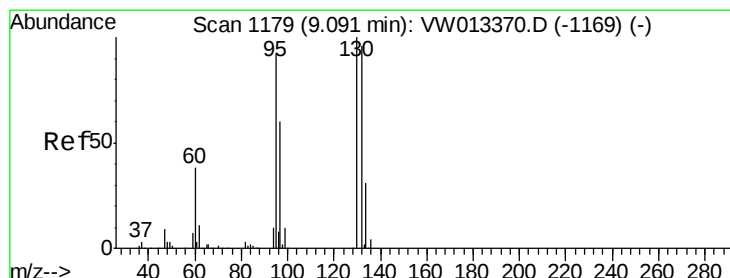
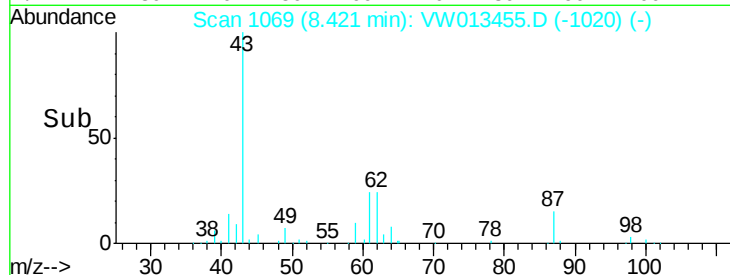
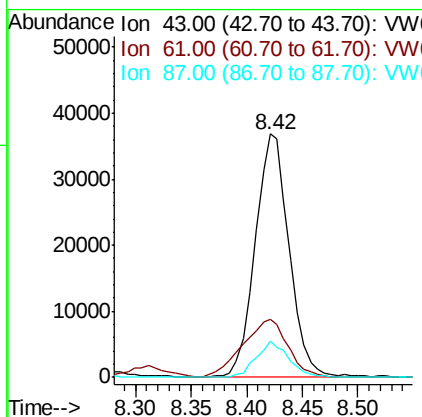
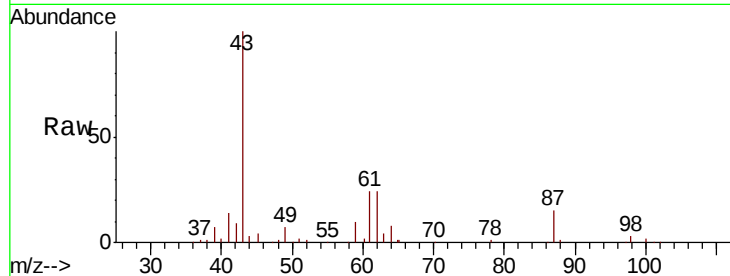
ClientSampleId :

VW1007SBS01

Tot Ion:	43	Resp:	78075
Ion Ratio	Lower	Upper	
43	100		
61	31.5	25.5	38.3
87	14.2	11.0	16.4

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#44

Trichloroethene

Concen: 20.885 ug/l

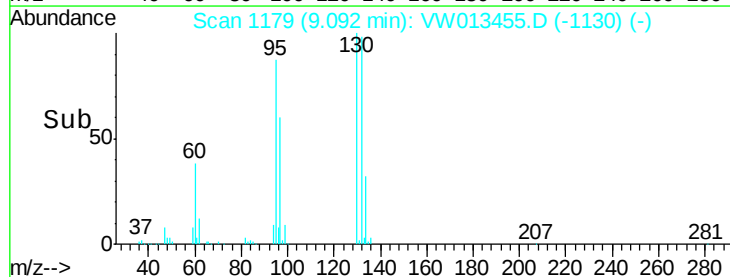
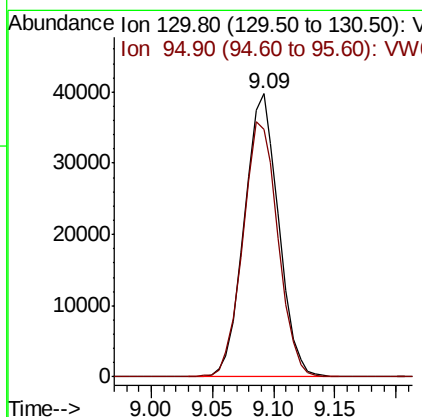
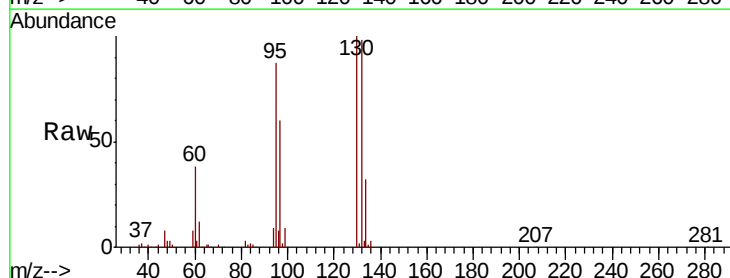
RT: 9.09 min Scan# 1179

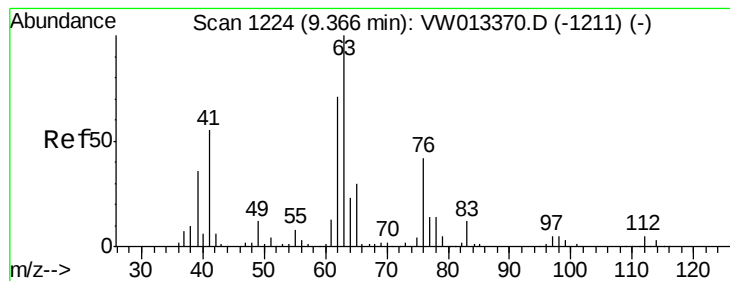
Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Tgt Ion:	130	Resp:	77430
Ion Ratio	Lower	Upper	
130	100		
95	87.4	0.0	188.0





#45

1,2-Dichloropropane

Concen: 21.010 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBSD01

Tot Ion: 63 Resp: 66416

Ion Ratio Lower Upper

63 100

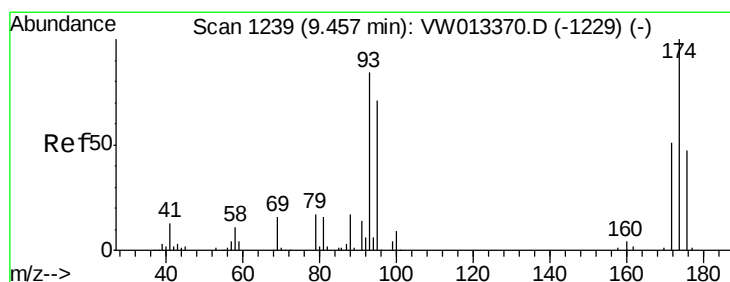
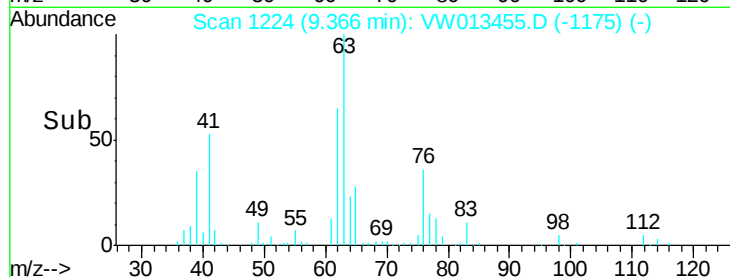
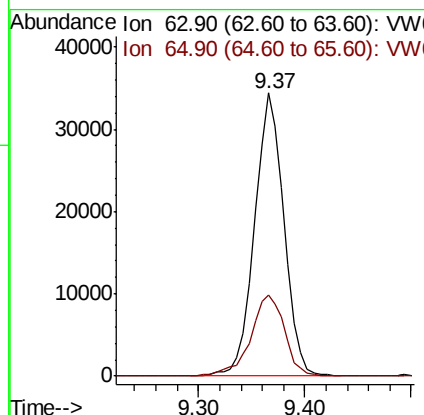
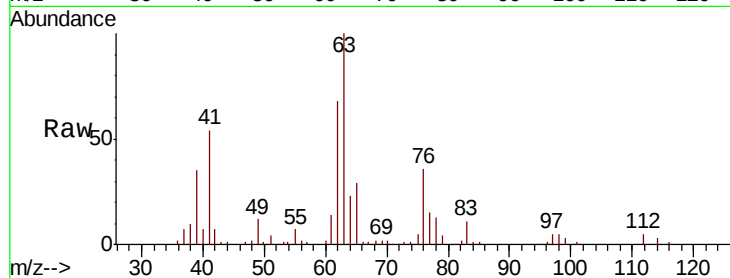
65 28.5 25.3 37.9

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#46

Dibromomethane

Concen: 20.500 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

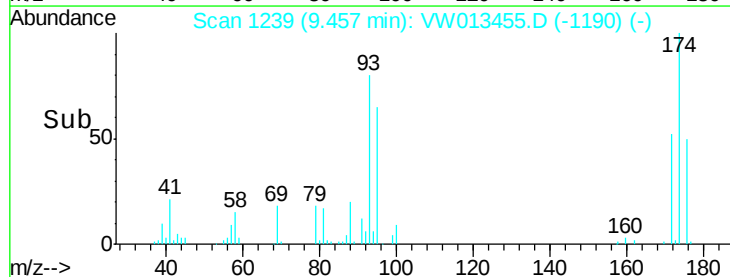
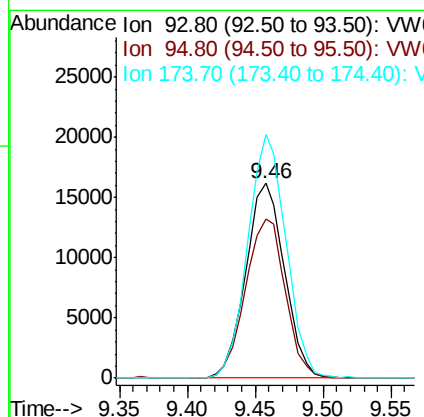
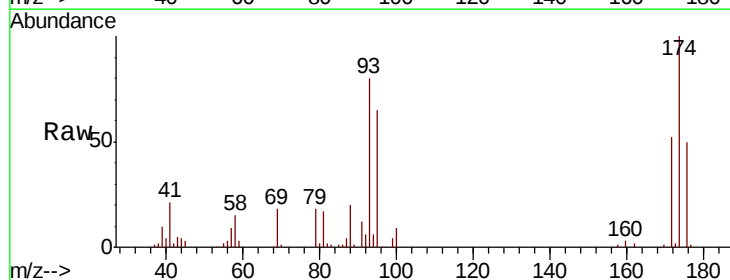
Tgt Ion: 93 Resp: 32278

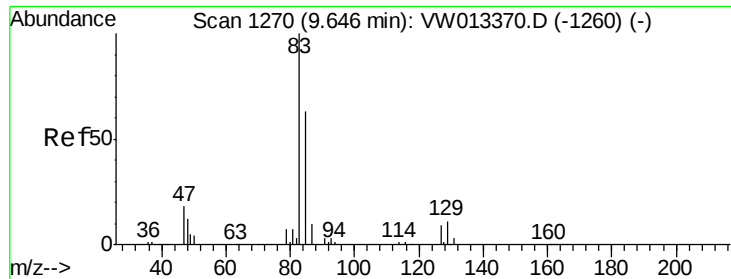
Ion Ratio Lower Upper

93 100

95 83.8 66.4 99.6

174 123.2 93.0 139.6





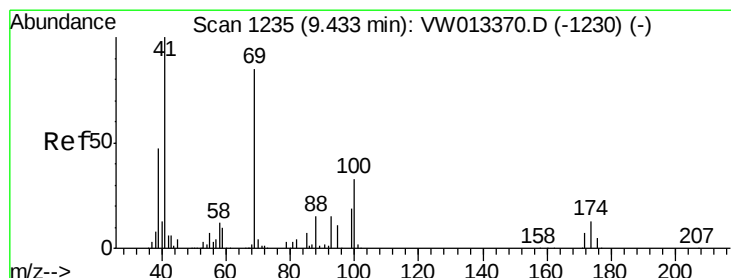
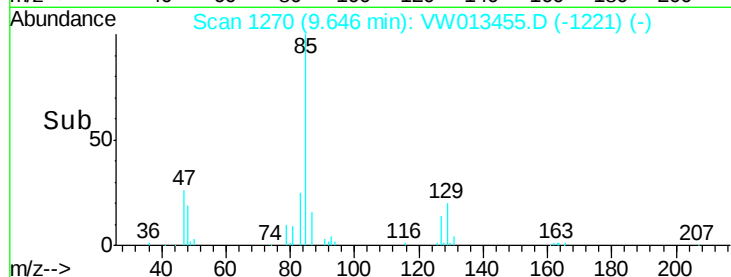
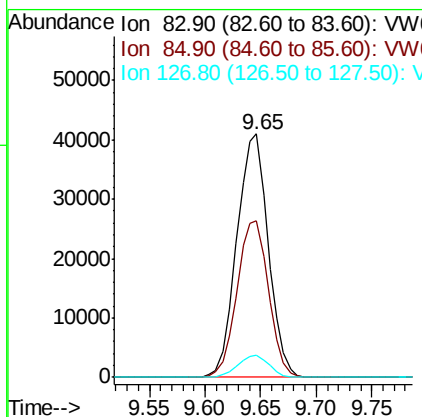
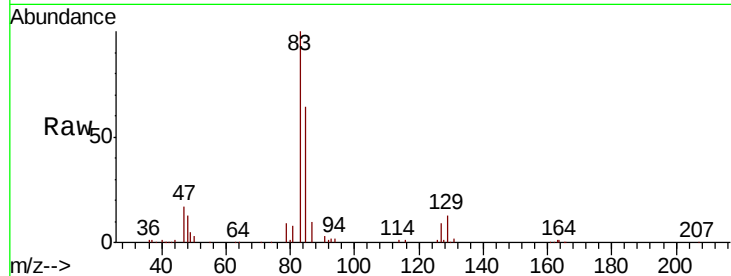
#47
 Bromodichloromethane
 Concen: 20.664 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion	83	Resp	80096
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	49.4	74.2
127	8.9	6.5	9.7

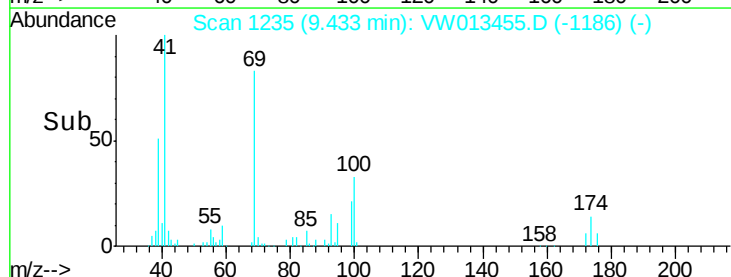
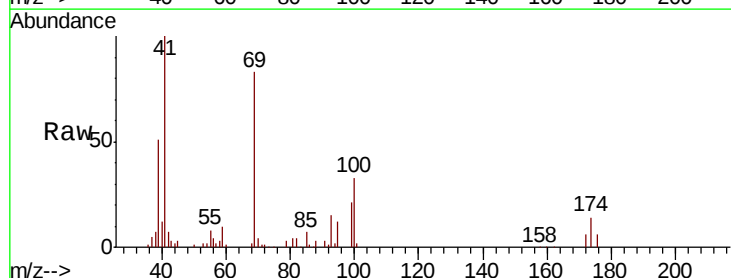
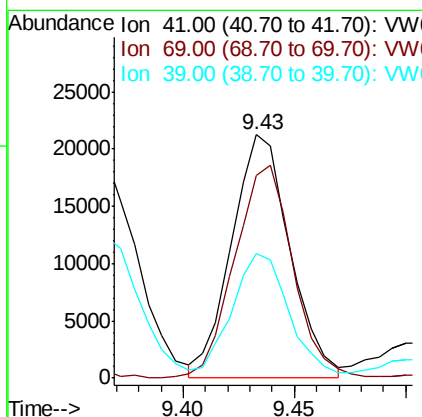
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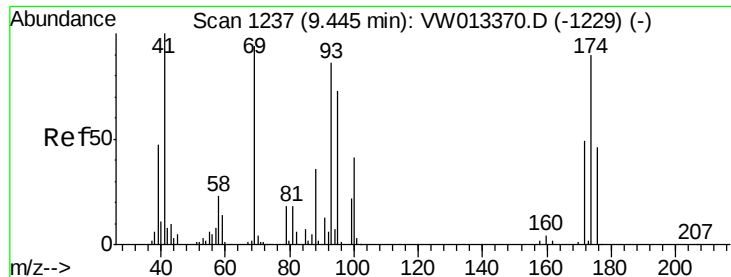
MMDadoda
 10/8/2019 1:30:44 PM



#48
 Methyl methacrylate
 Concen: 20.823 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Tgt Ion	41	Resp	38653
Ion Ratio	100	Lower	Upper
41	100		
69	87.2	69.7	104.5
39	46.9	41.1	61.7





#49

1,4-Dioxane

Concen: 407.437 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 88 Resp: 10193

Ion Ratio Lower Upper

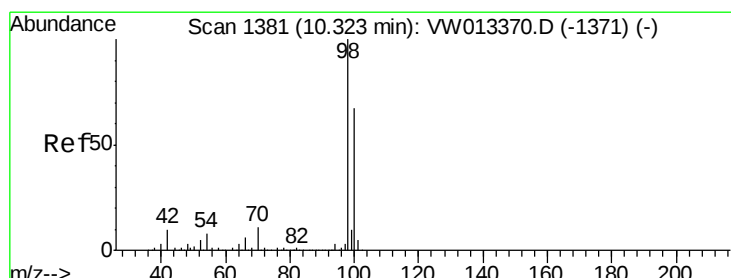
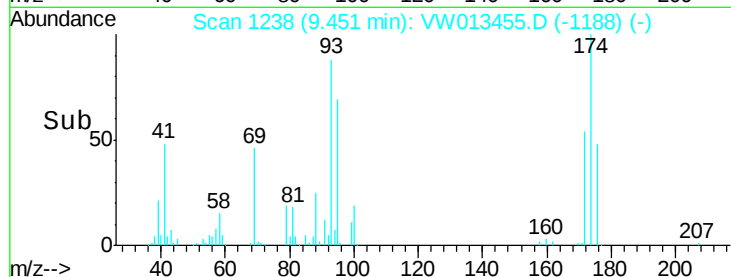
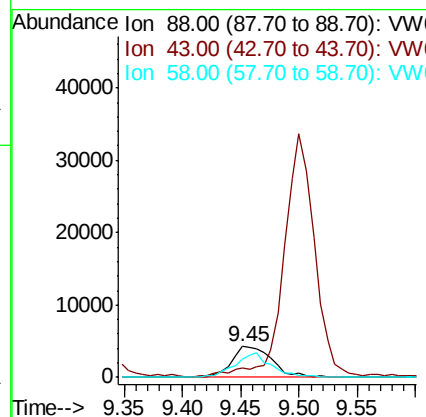
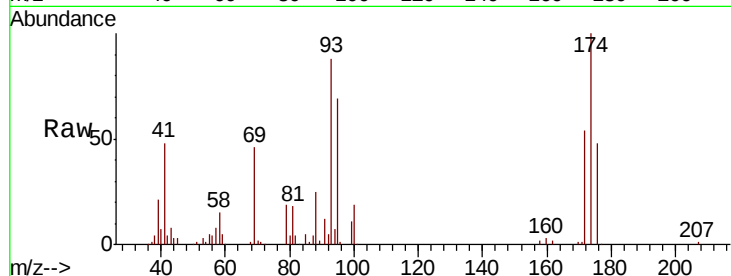
88 100

43 0.0 0.0 0.0

58 72.8 65.4 98.0

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#50

Toluene-d8

Concen: 54.909 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW013455.D

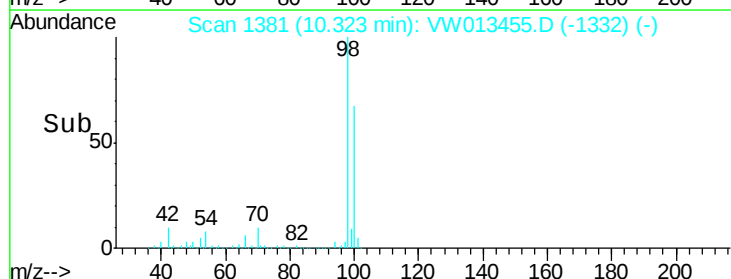
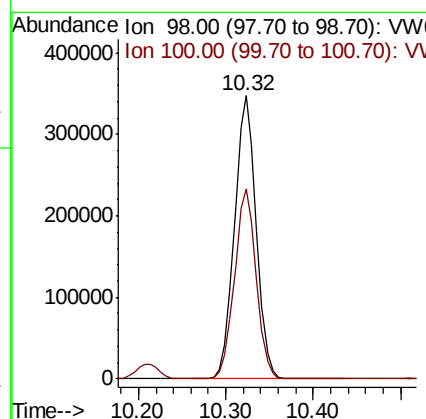
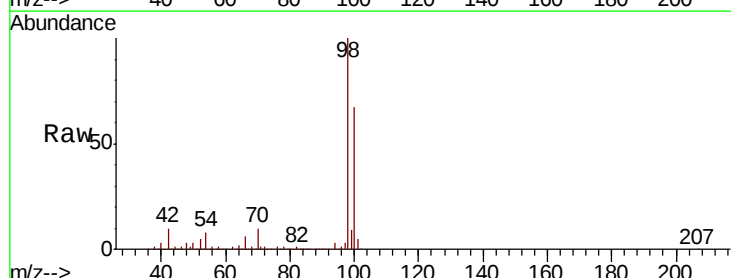
Acq: 07 Oct 2019 11:42

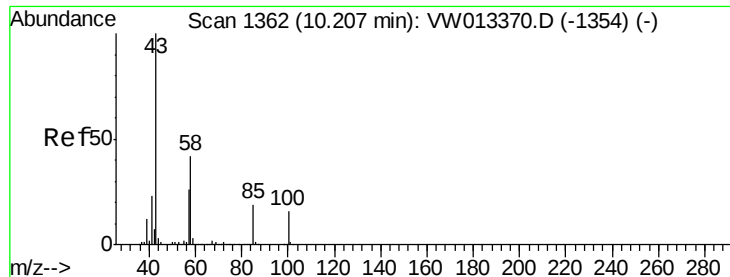
Tgt Ion: 98 Resp: 598711

Ion Ratio Lower Upper

98 100

100 67.0 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 97.501 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 43 Resp: 197904

Ion Ratio Lower Upper

43 100

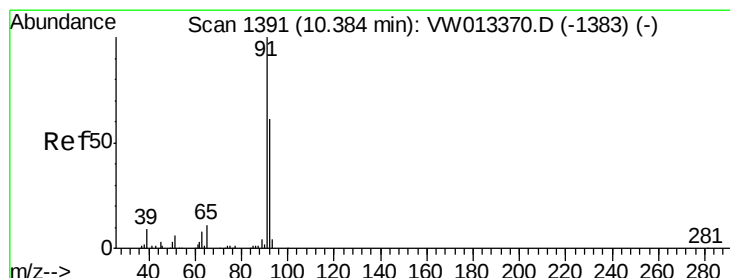
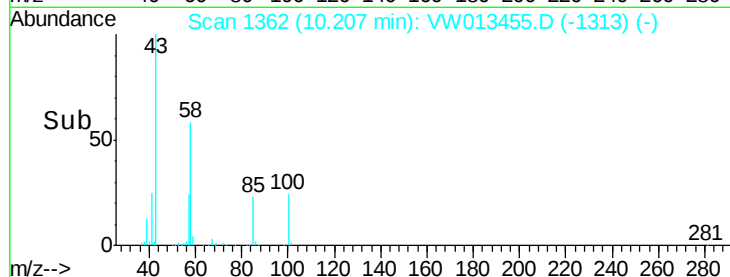
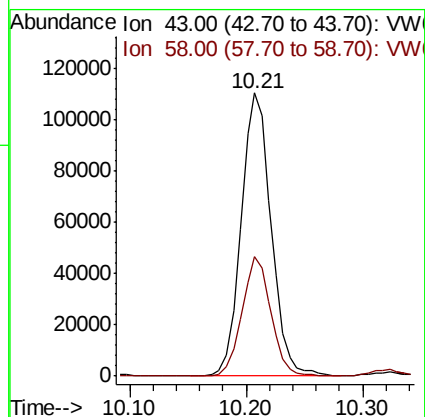
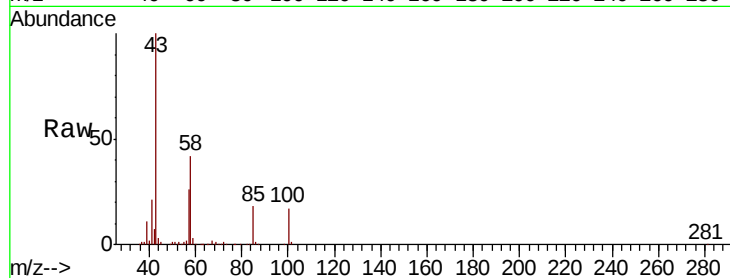
58 40.7 31.7 47.5

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#52

Toluene

Concen: 21.021 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013455.D

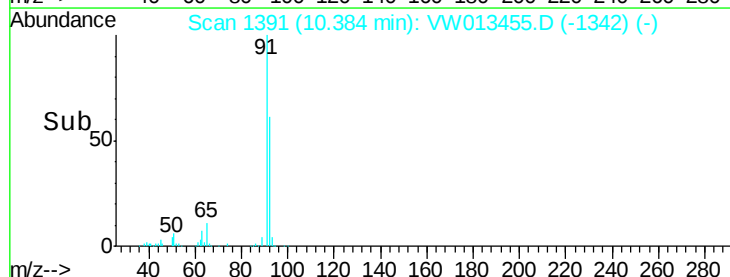
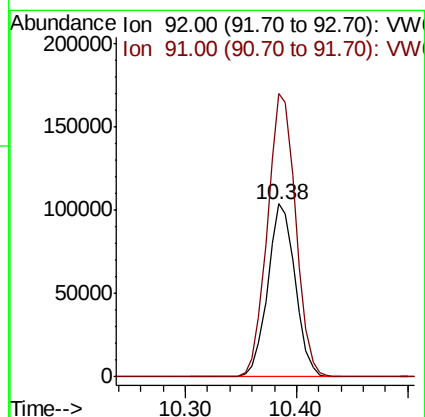
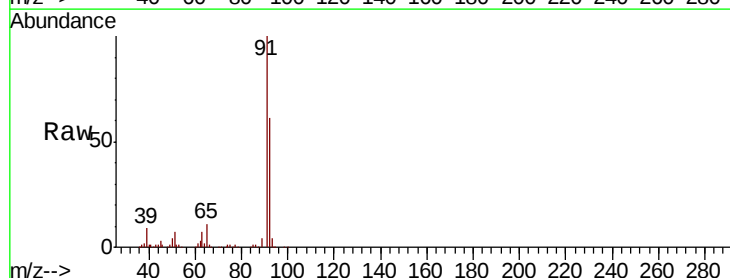
Acq: 07 Oct 2019 11:42

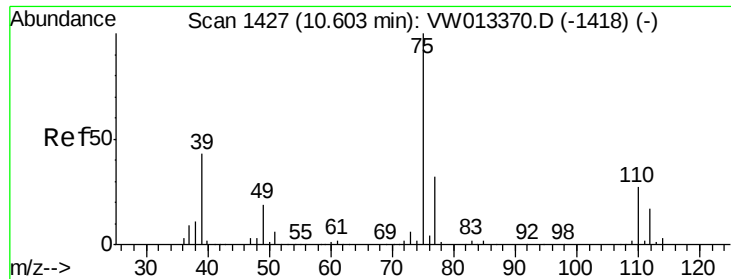
Tgt Ion: 92 Resp: 178510

Ion Ratio Lower Upper

92 100

91 168.6 135.7 203.5





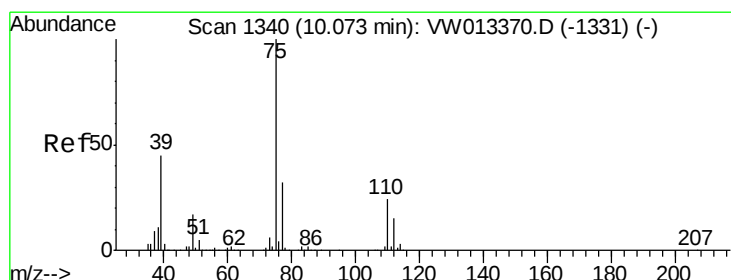
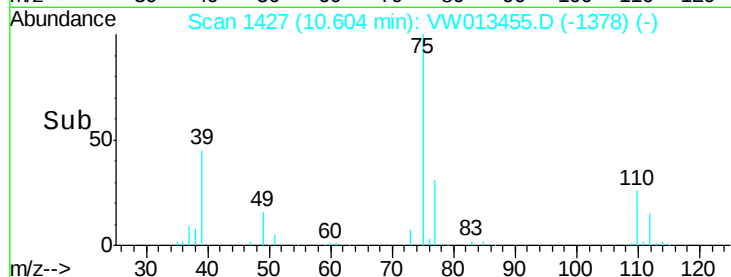
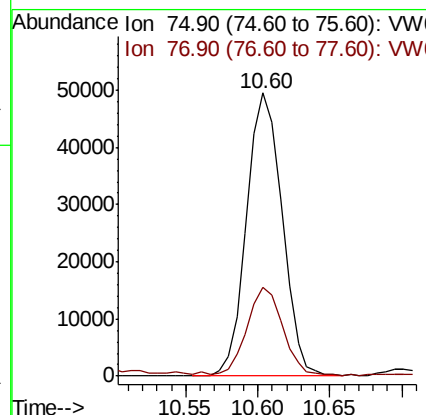
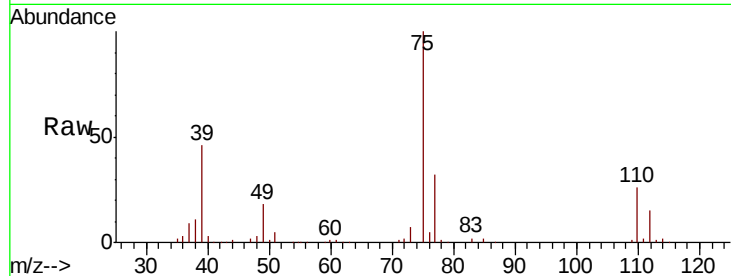
#53
t-1,3-Dichloropropene
Concen: 21.071 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.5	38.3

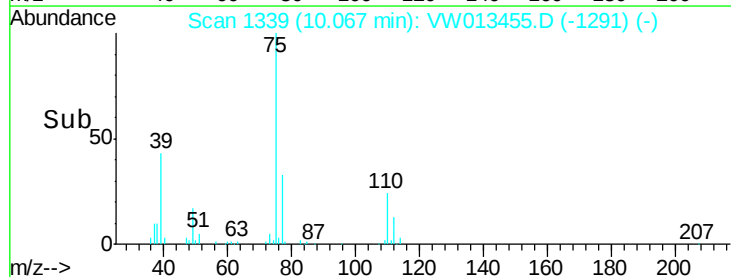
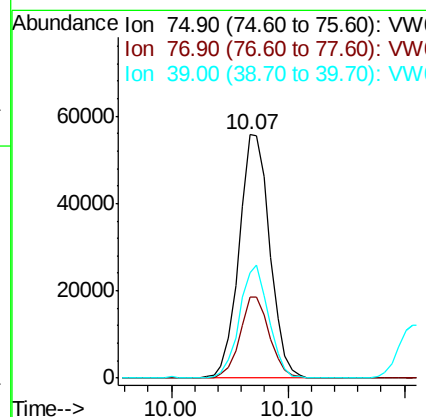
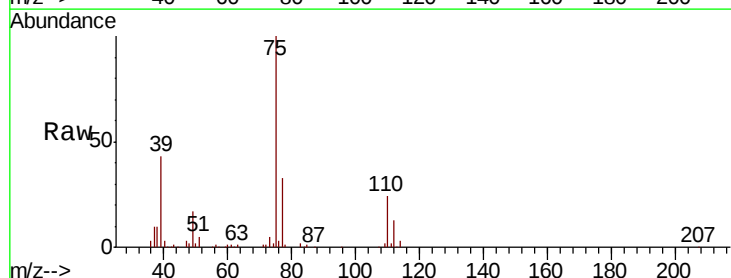
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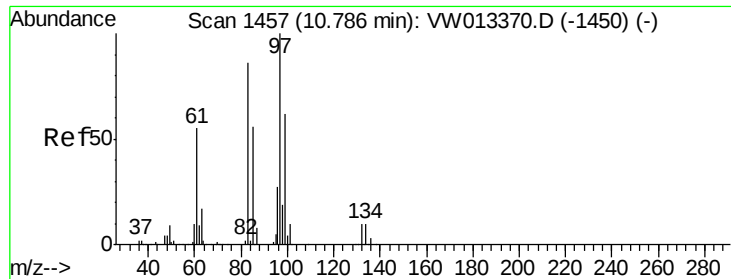
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#54
cis-1,3-Dichloropropene
Concen: 21.009 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.2	37.8
39	43.5	36.6	55.0





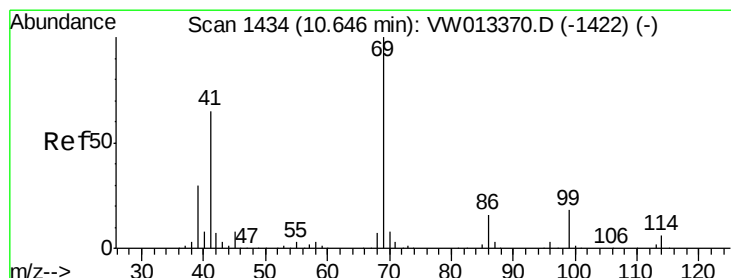
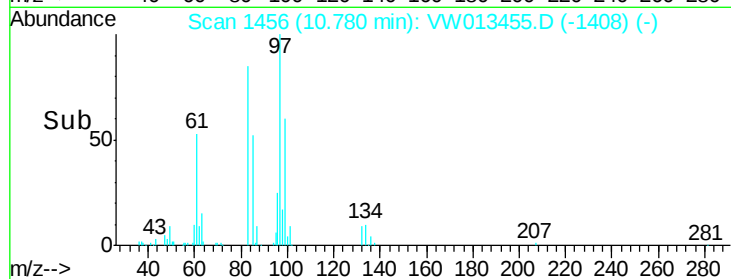
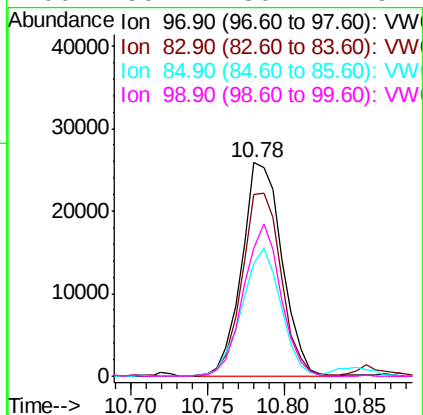
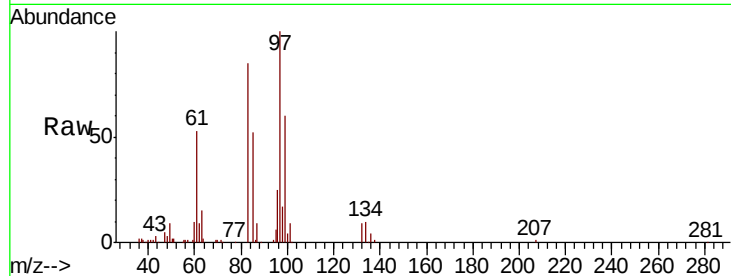
#55
 1,1,2-Trichloroethane
 Concen: 20.220 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		47492		
83	85.0	67.6	101.4		
85	52.5	41.9	62.9		
99	59.7	50.1	75.1		

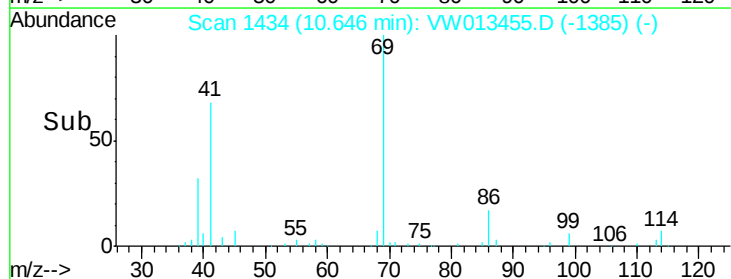
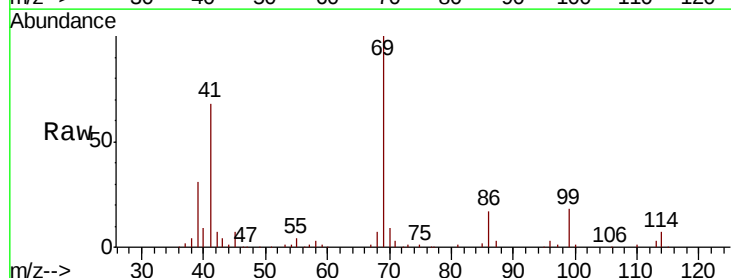
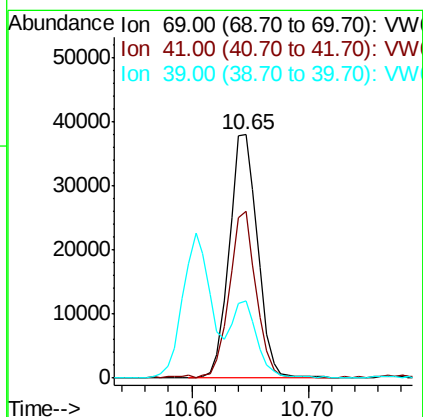
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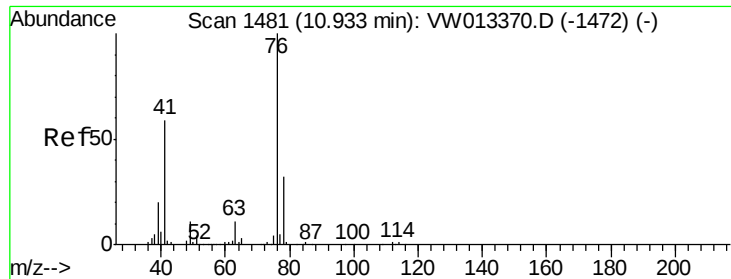
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#56
 Ethyl methacrylate
 Concen: 20.385 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		64448		
41	66.1	53.9	80.9		
39	27.2	23.8	35.6		





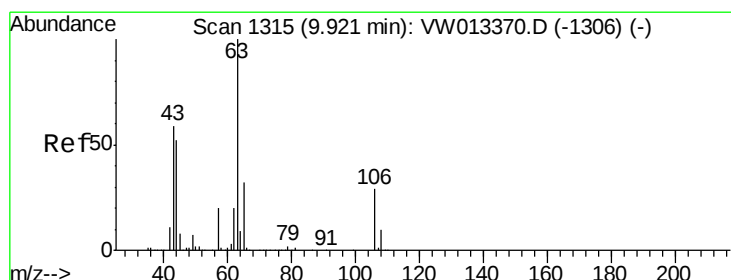
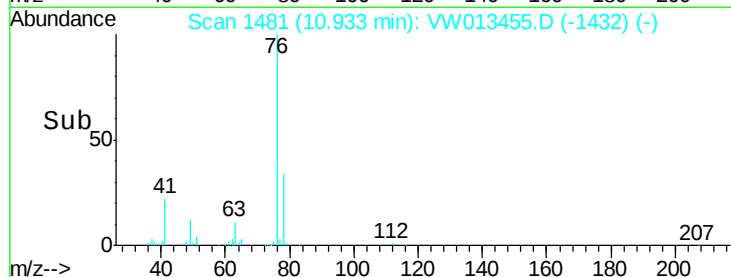
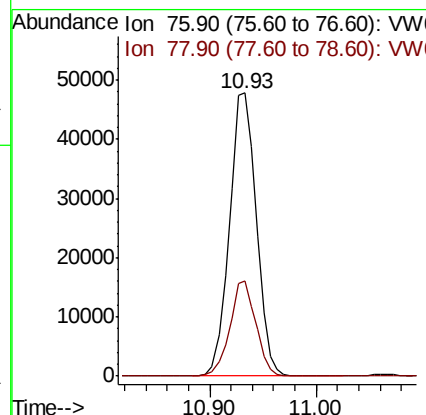
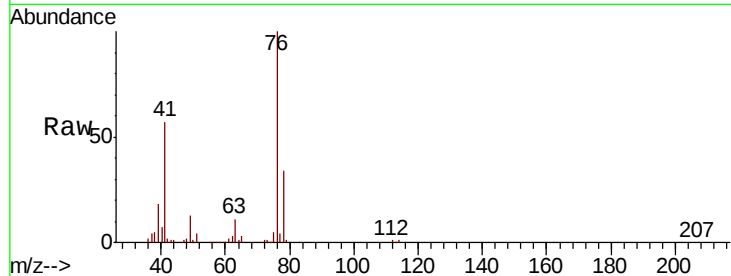
#57
 1,3-Dichloropropane
 Concen: 20.690 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

Tot Ion: 76 Resp: 84483
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3

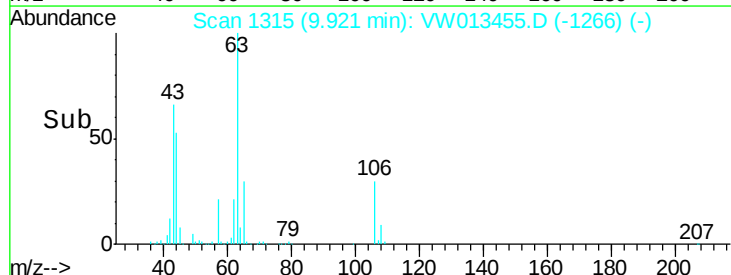
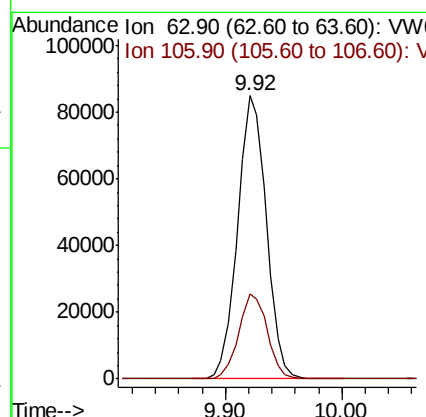
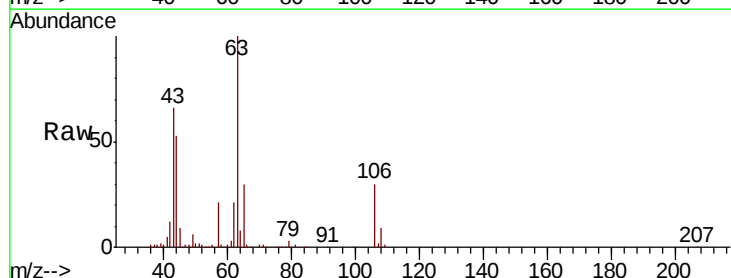
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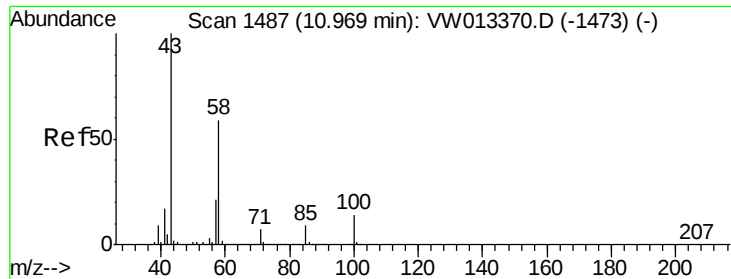
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 10/8/2019 1:30:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.606 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Tgt Ion: 63 Resp: 146237
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.4 35.0





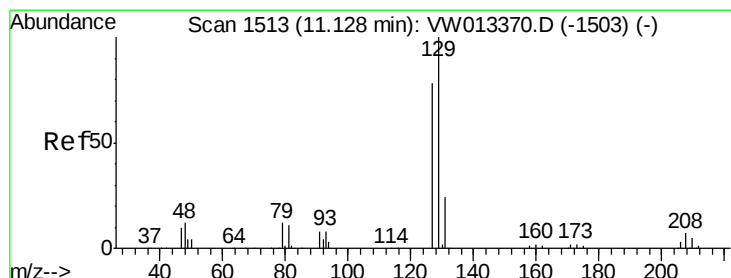
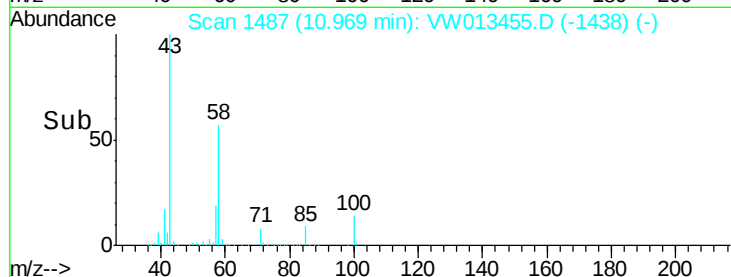
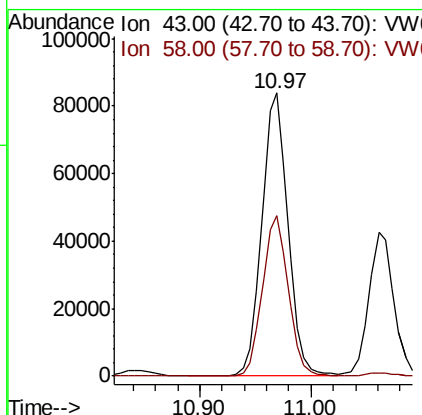
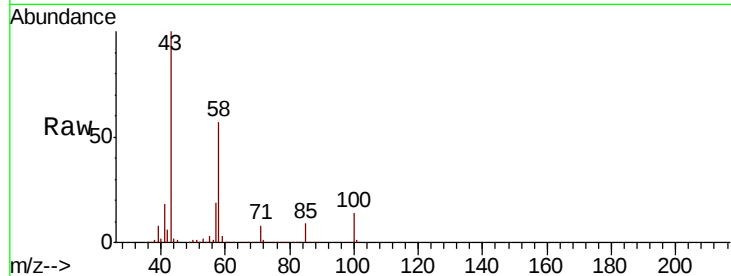
#59
2-Hexanone
Concen: 97.801 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion: 43 Resp: 137594
Ion Ratio Lower Upper
43 100
58 56.1 28.1 84.2

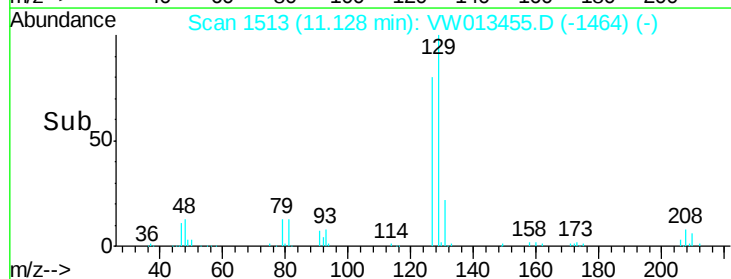
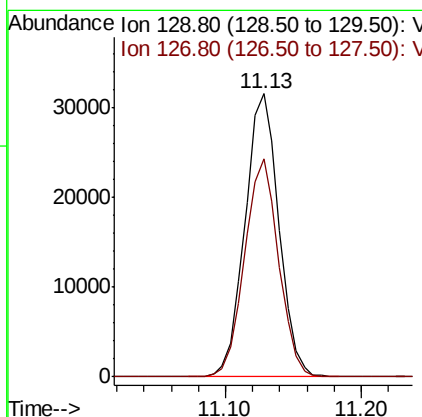
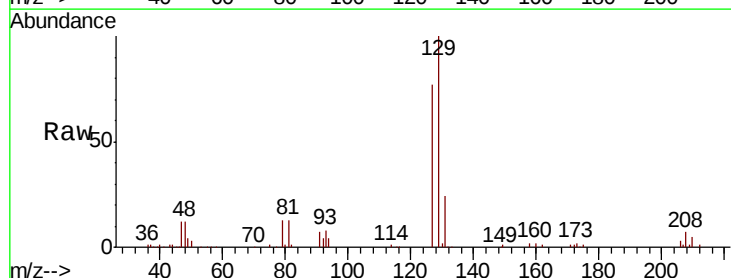
Manual Integrations
APPROVED

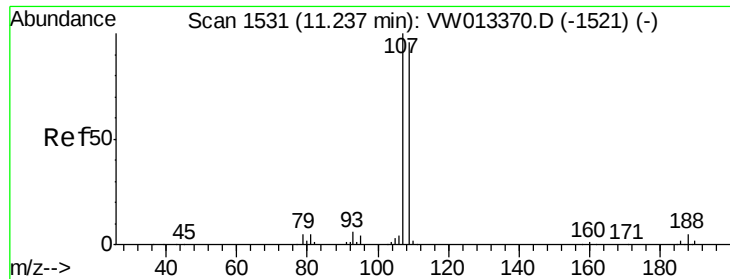
MMDadoda
10/8/2019 1:30:44 PM



#60
Dibromochloromethane
Concen: 20.561 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion: 129 Resp: 55249
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.4





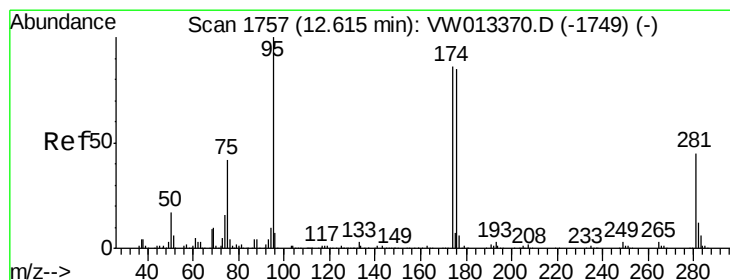
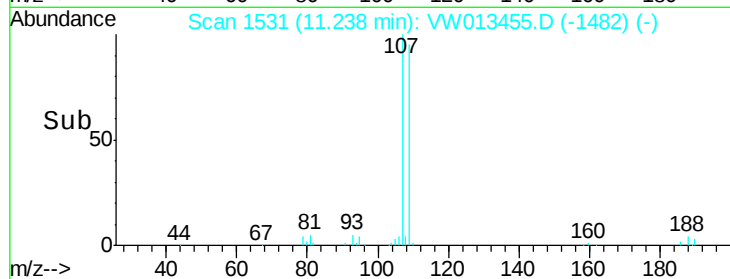
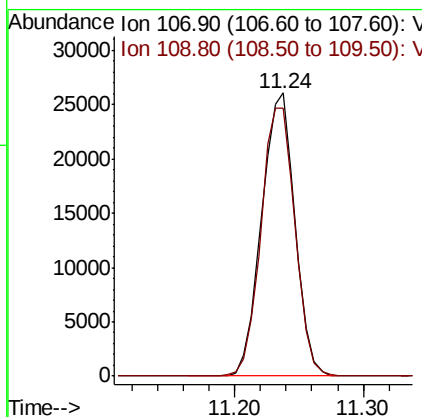
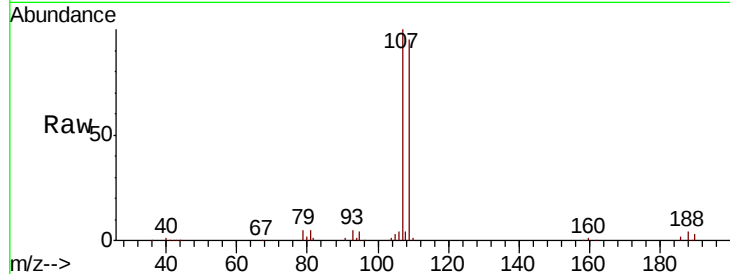
#61
 1,2-Dibromoethane
 Concen: 20.531 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.1	75.2	112.8

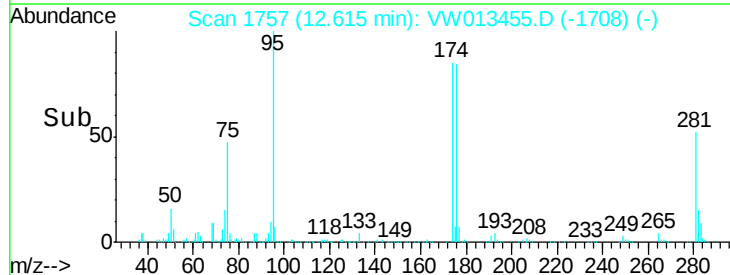
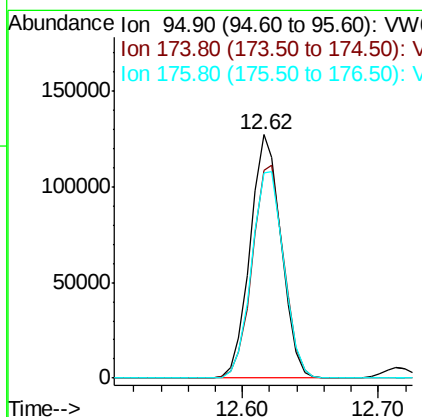
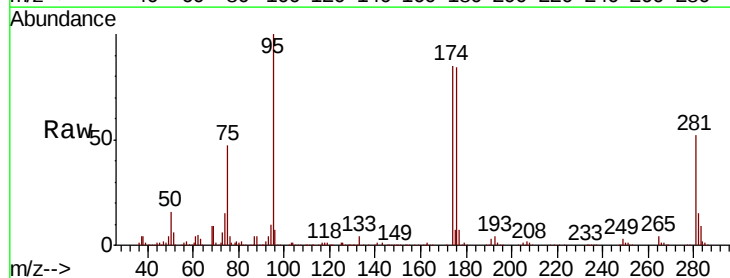
Manual Integrations
 APPROVED

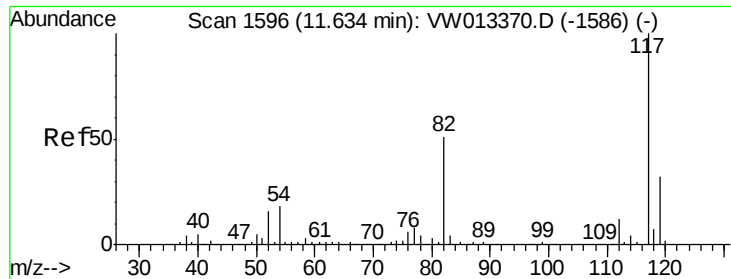
MMDadoda
 10/8/2019 1:30:44 PM



#62
 4-Bromofluorobenzene
 Concen: 56.095 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	178.4
176	88.2	0.0	172.2





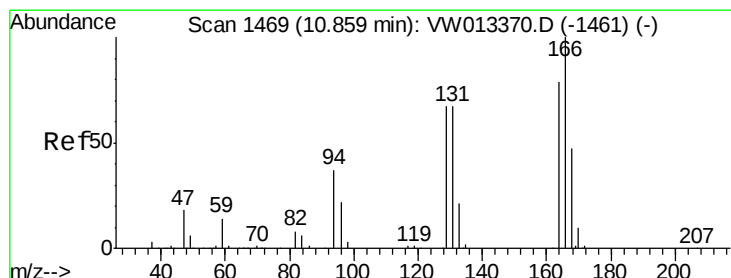
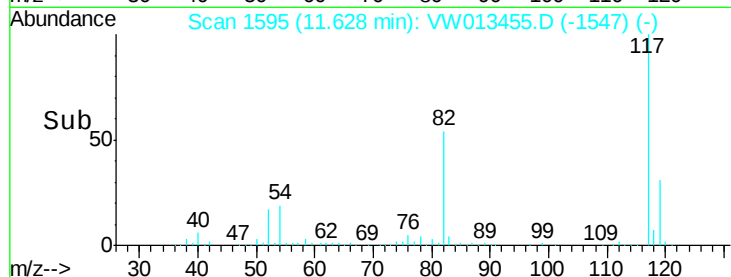
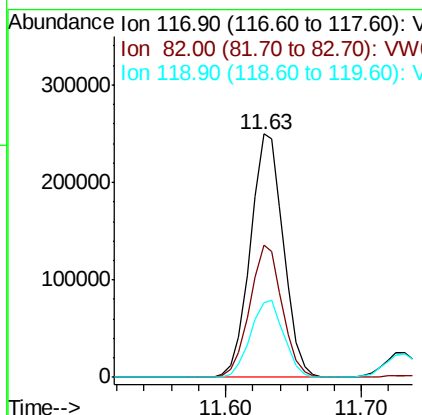
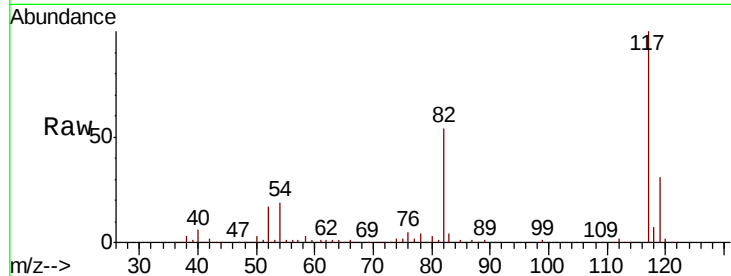
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.9	68.9
119	30.6	26.2	39.2

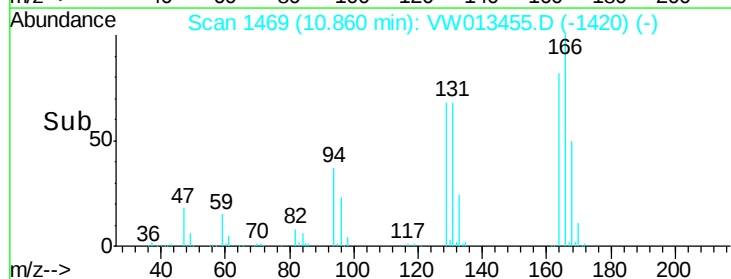
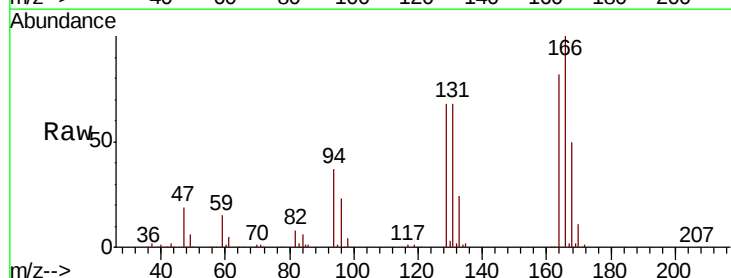
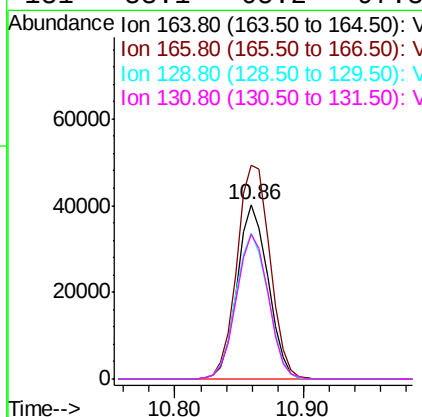
Manual Integrations
APPROVED

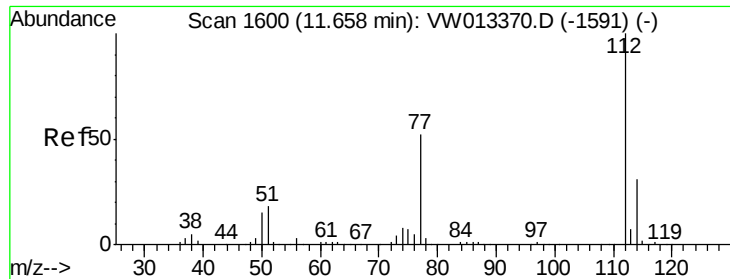
MMDadoda
10/8/2019 1:30:44 PM



#64
Tetrachloroethene
Concen: 20.787 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	101.2	151.8
129	83.2	68.8	103.2
131	83.1	65.2	97.8





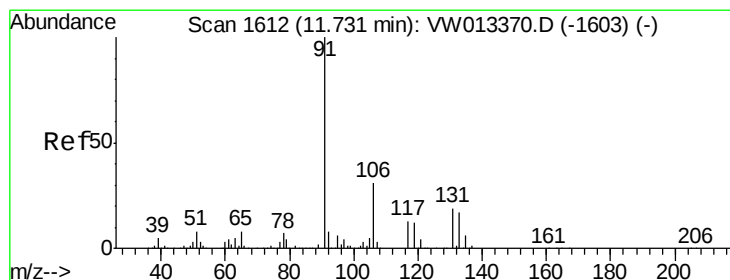
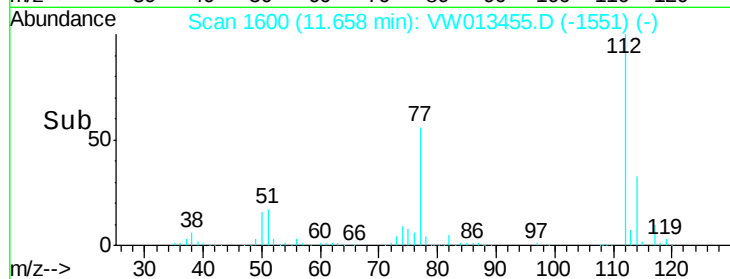
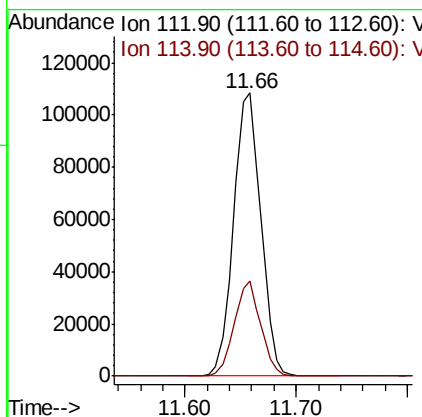
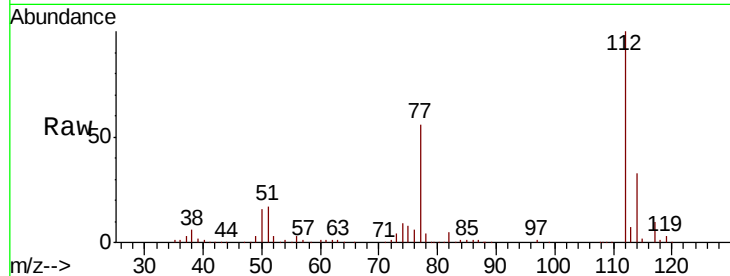
#65
Chlorobenzene
Concen: 21.089 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion:112 Resp: 183828
Ion Ratio Lower Upper
112 100
114 33.5 26.5 39.7

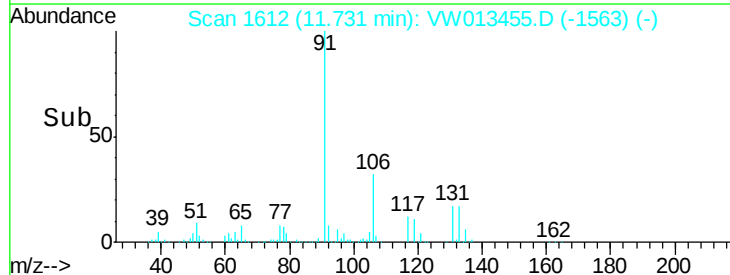
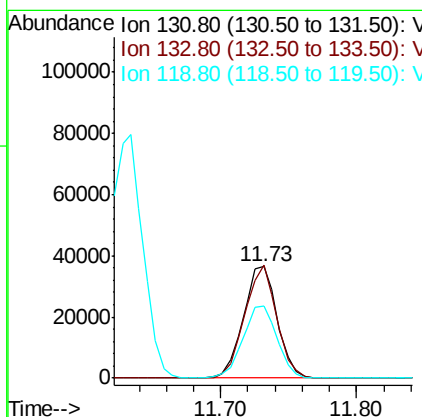
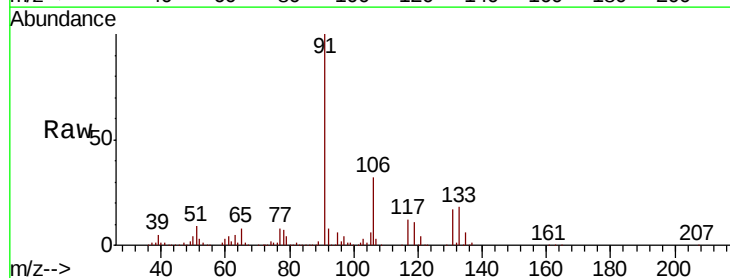
Manual Integrations
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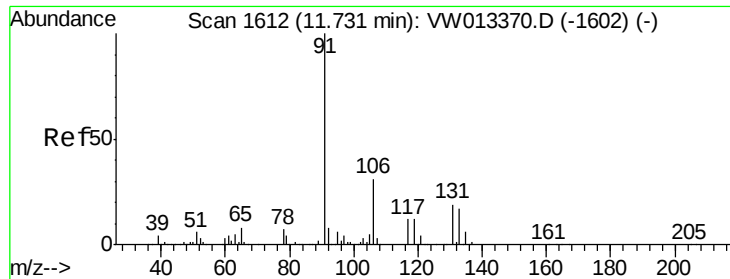
MMDadoda
10/8/2019 1:30:44 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.311 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion:131 Resp: 63268
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.6
119 65.5 32.5 97.5





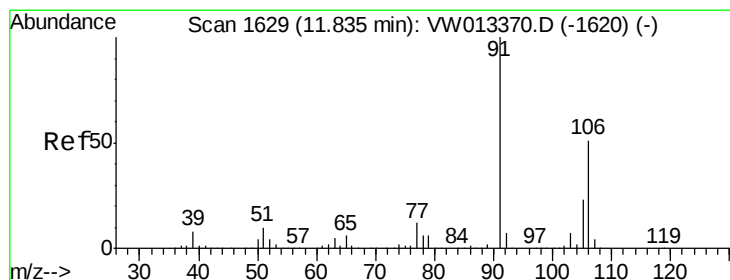
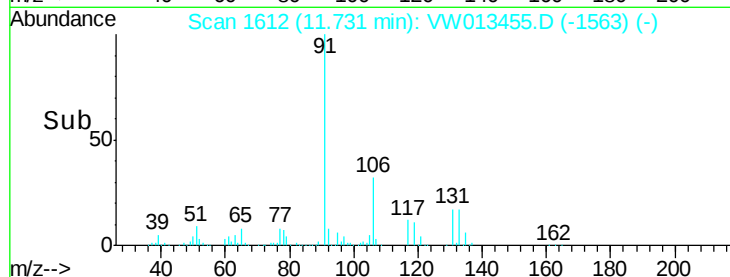
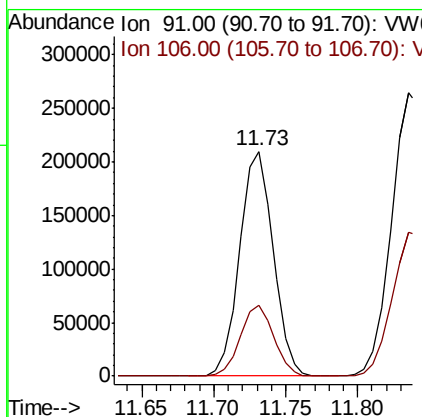
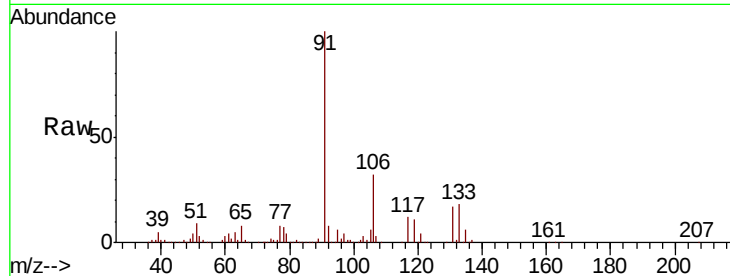
#67
Ethyl Benzene
Concen: 21.664 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion: 91 Resp: 338447
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3

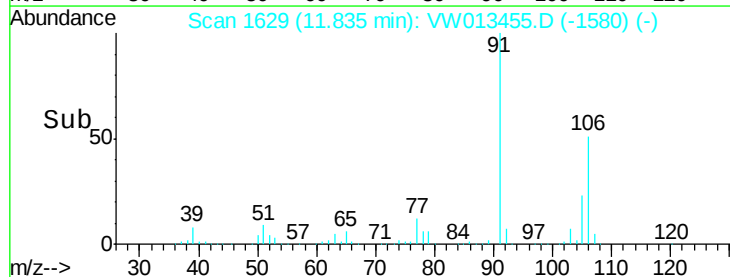
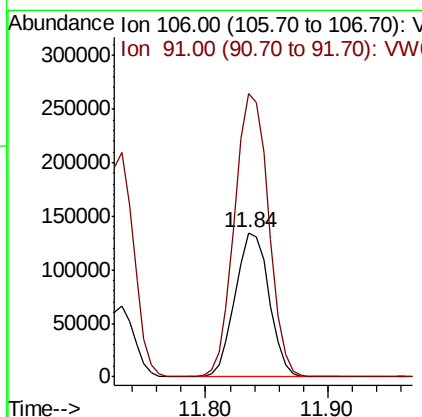
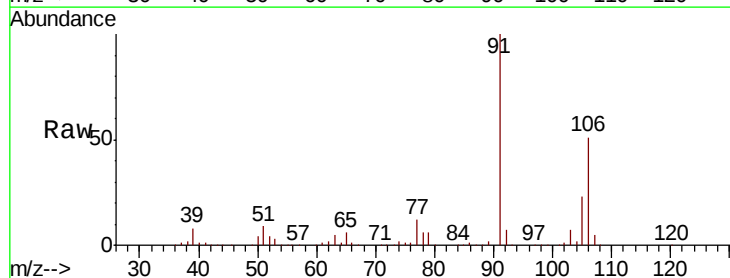
Manual Integrations
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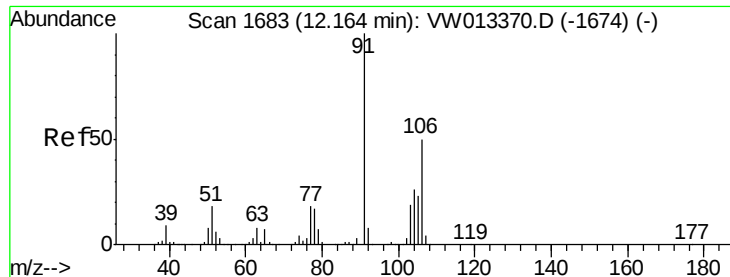
MMDadoda
10/8/2019 1:30:44 PM



#68
m/p-Xylenes
Concen: 43.081 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion: 106 Resp: 259784
Ion Ratio Lower Upper
106 100
91 196.7 157.9 236.9





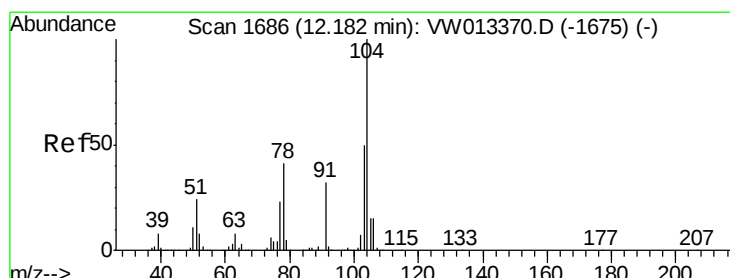
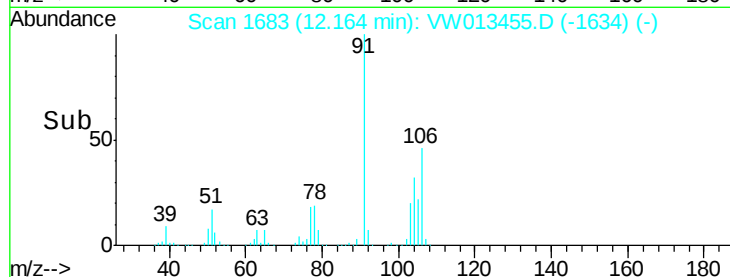
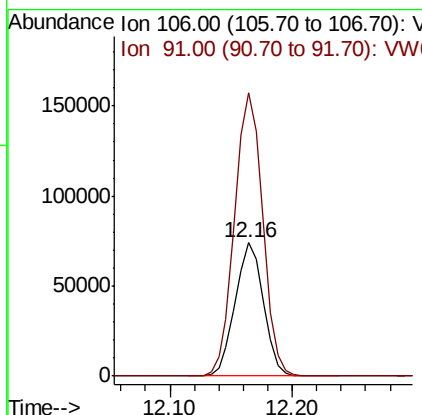
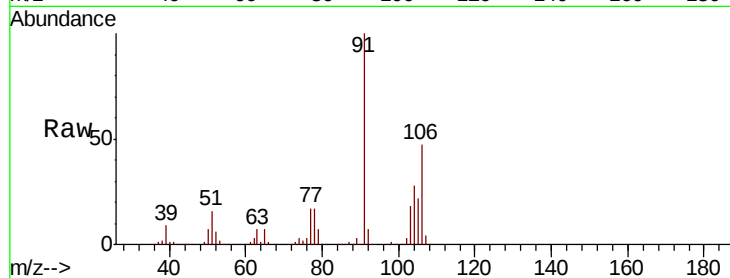
#69
o-Xylene
Concen: 21.205 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.7	106.5	319.5

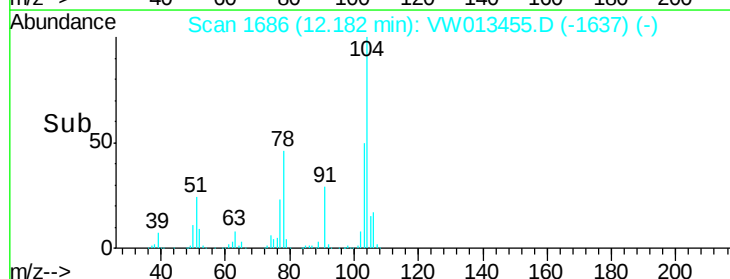
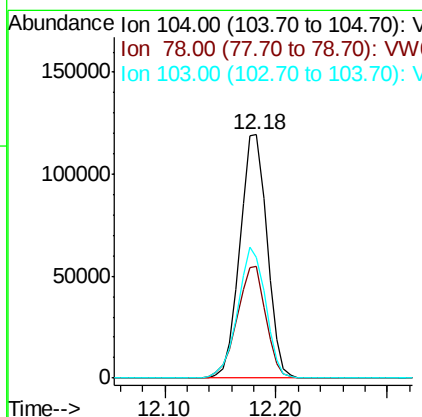
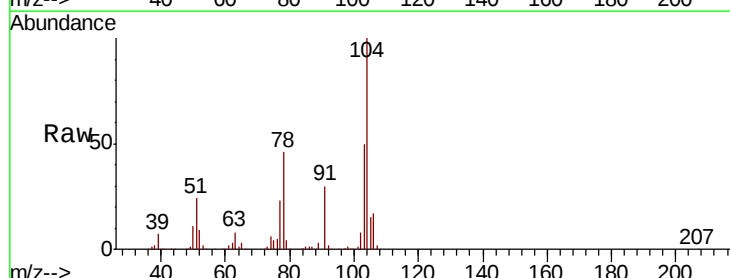
Manual Integrations
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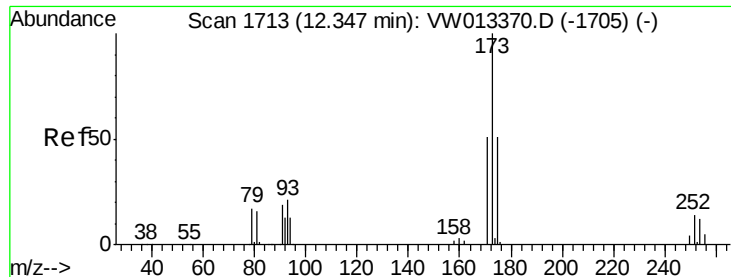
MMDadoda
10/8/2019 1:30:44 PM



#70
Styrene
Concen: 21.276 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	38.4	57.6
103	54.9	43.3	64.9





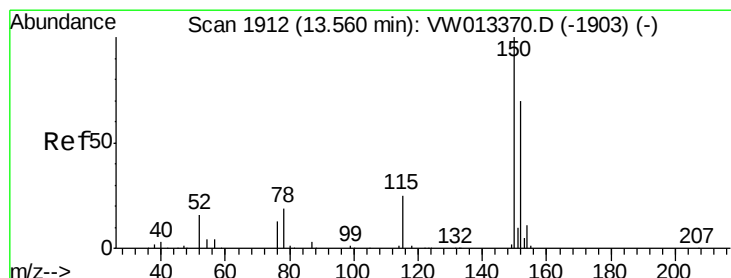
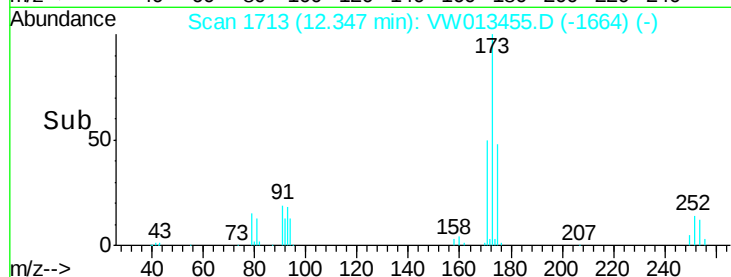
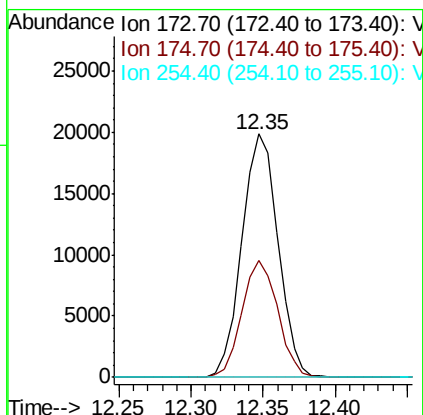
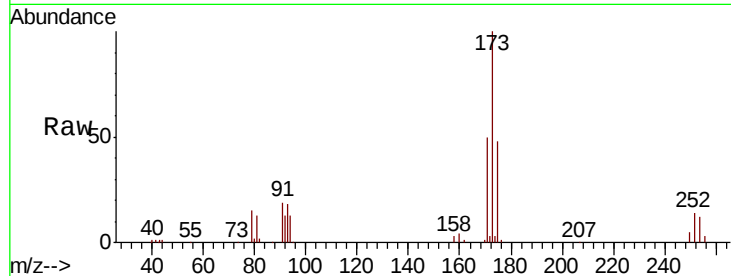
#71
Bromoform
Concen: 21.434 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	73.0
254	0.0	0.1	0.1#

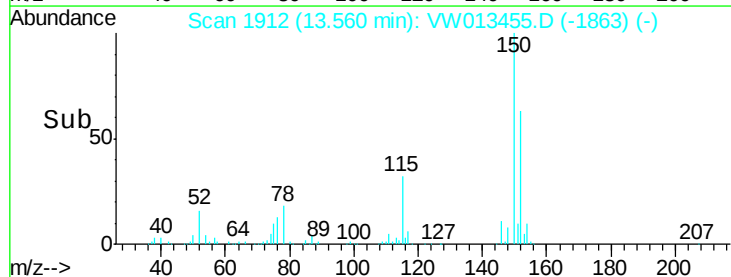
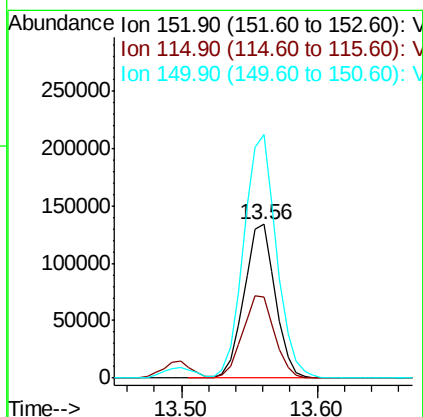
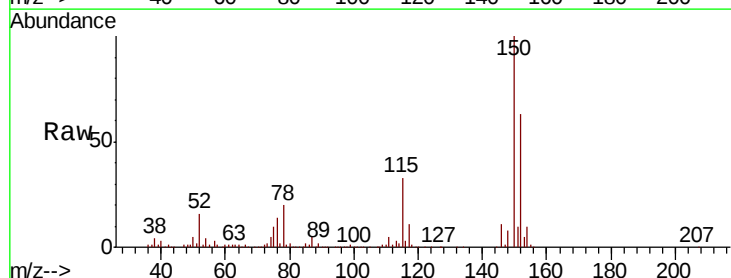
Manual Integrations
APPROVED

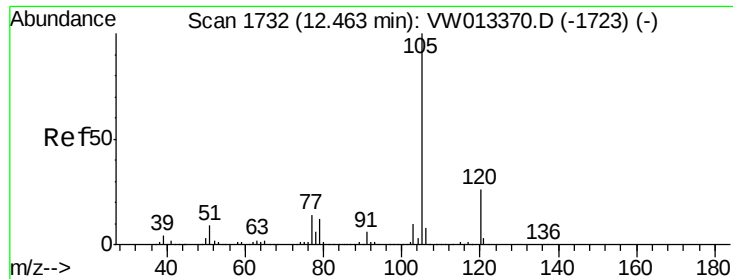
MMDadoda
10/8/2019 1:30:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.3	81.9
150	166.0	0.0	349.0





#73

Isopropylbenzene

Concen: 21.180 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion:105 Resp: 332636

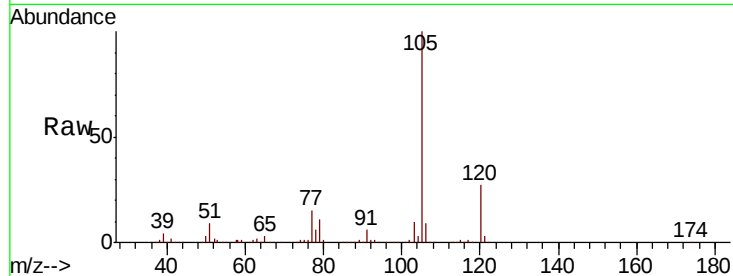
Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

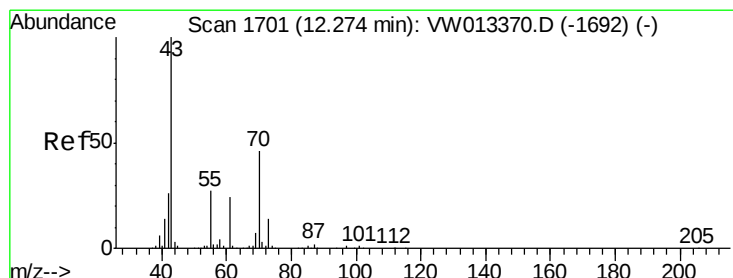
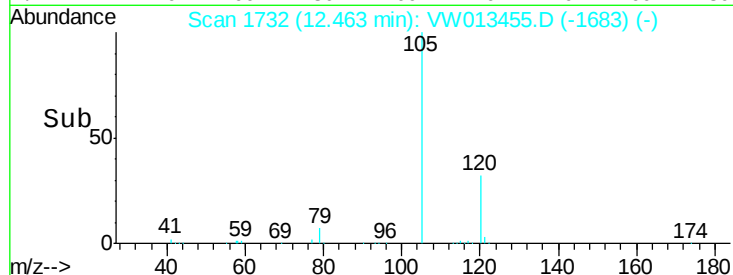
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.169 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Tgt Ion: 43 Resp: 70754

Ion Ratio Lower Upper

43 100

70 44.8 35.1 52.7

55 24.3 19.9 29.9

61 25.8 19.5 29.3

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

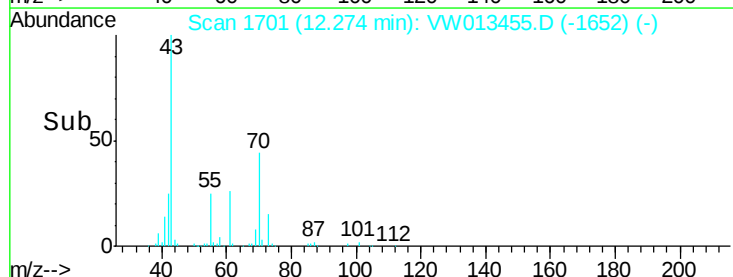
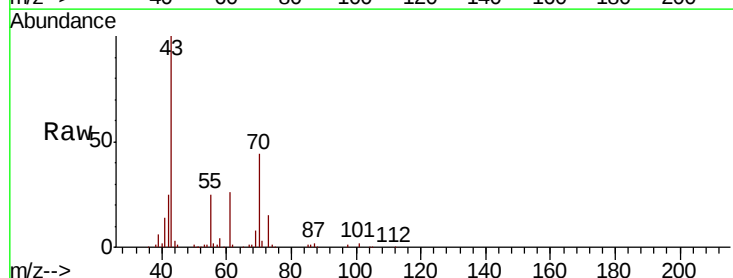
12.27

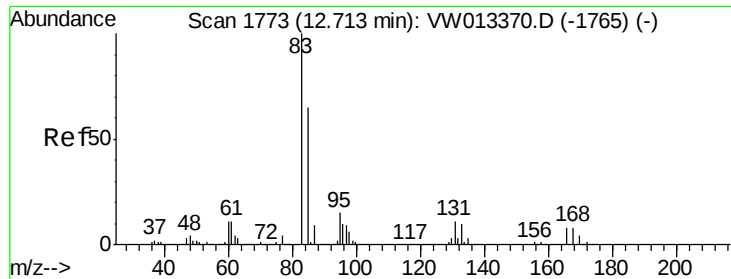
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.883 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

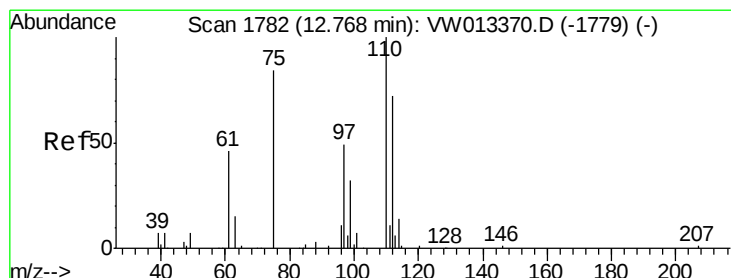
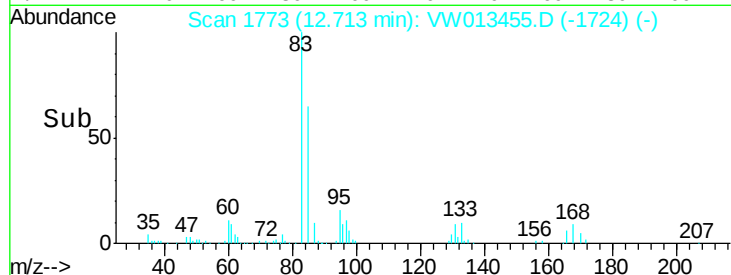
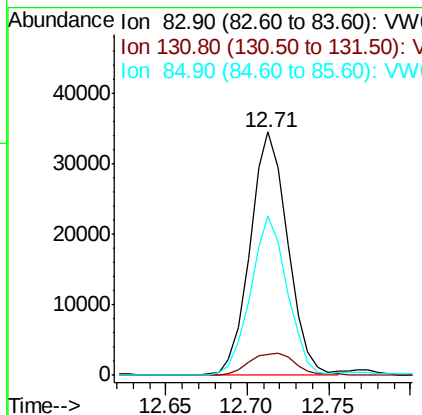
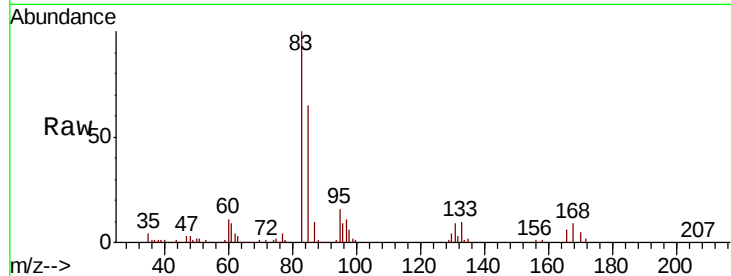
ClientSampleId :

VW1007SBSD01

Tot Ion:	83	Resp:	55511
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.4	16.2
85	63.6	31.9	95.9

Manual Integrations
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10/8/2019 1:30:44 PM



#76

1,2,3-Trichloropropane

Concen: 23.535 ug/l m

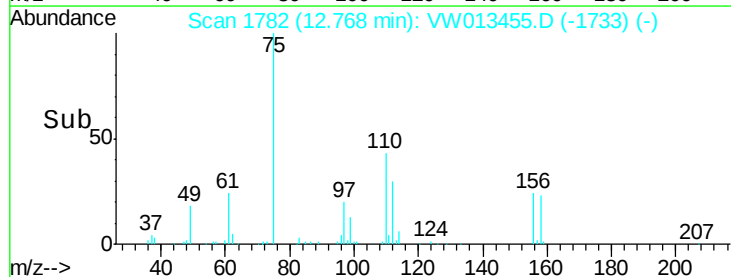
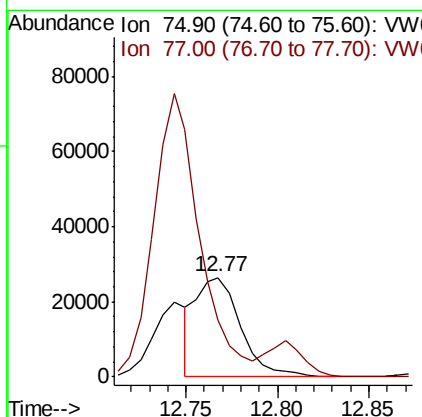
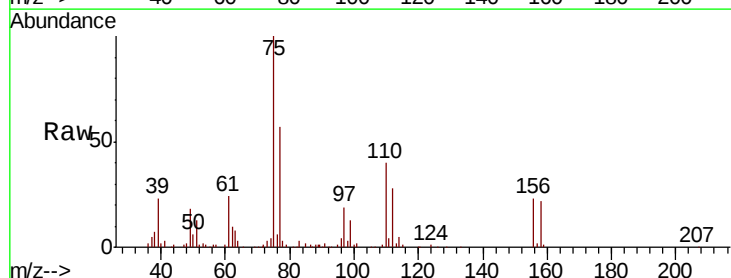
RT: 12.77 min Scan# 1782

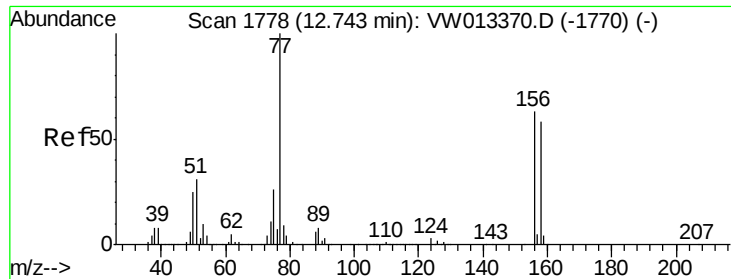
Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Tgt Ion:	75	Resp:	44910
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.922 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

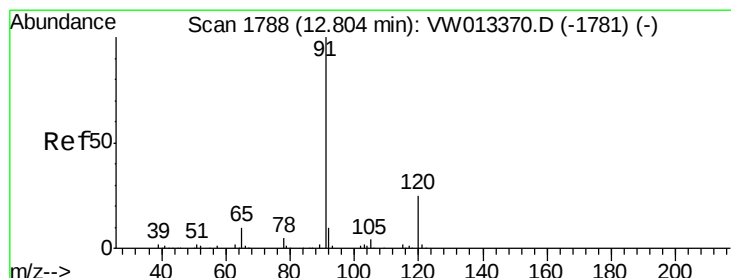
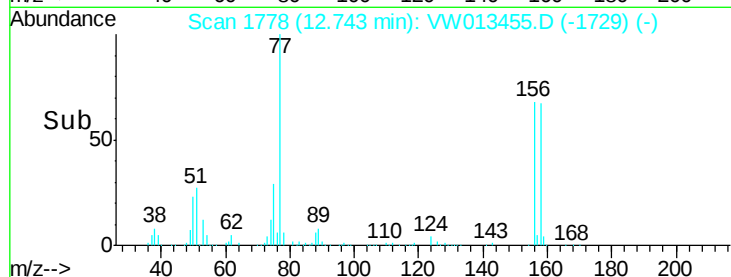
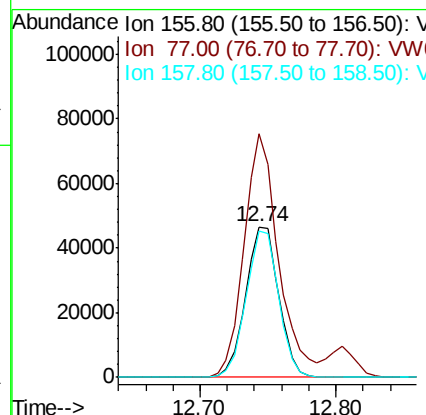
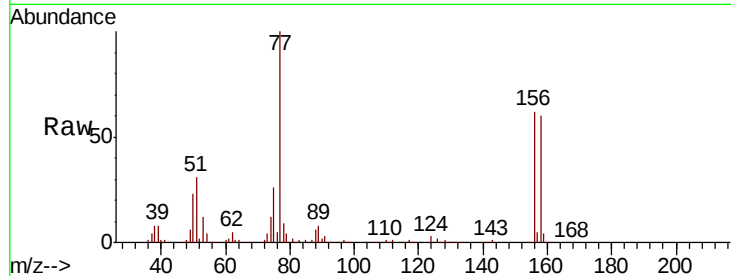
ClientSampleId :

VW1007SBS01

Tot Ion:	156	Resp:	78896
Ion Ratio	Lower	Upper	
156	100		
77	168.8	85.7	257.1
158	96.0	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 21.460 ug/l

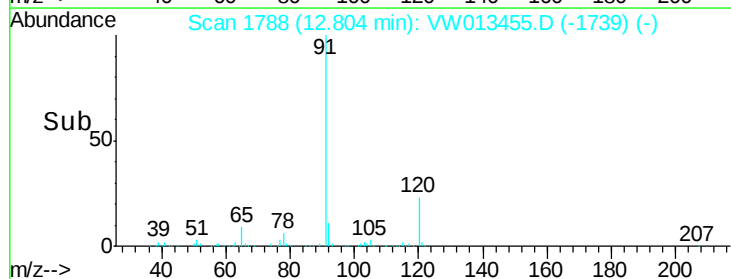
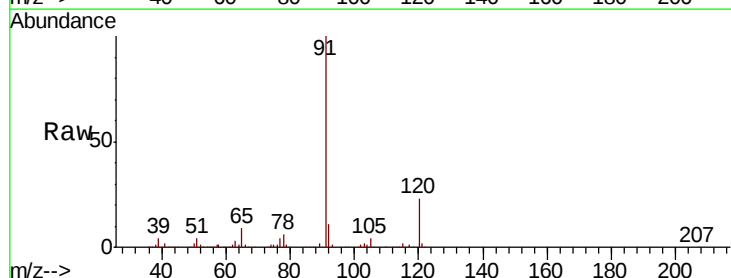
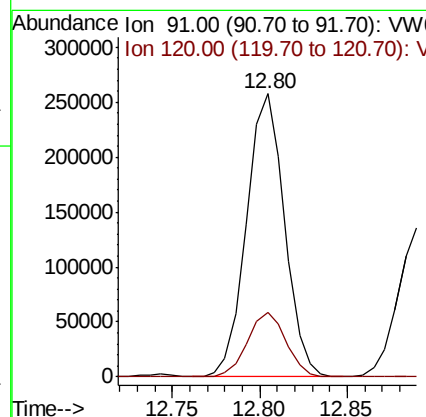
RT: 12.80 min Scan# 1788

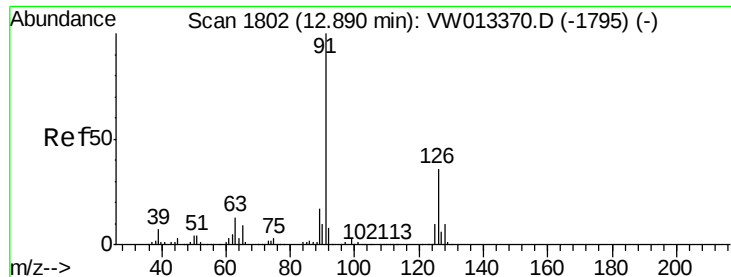
Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Tgt Ion:	91	Resp:	387679
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.7	35.1





#79

2-Chlorotoluene

Concen: 21.440 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion: 91 Resp: 215129

Ion Ratio Lower Upper

91 100

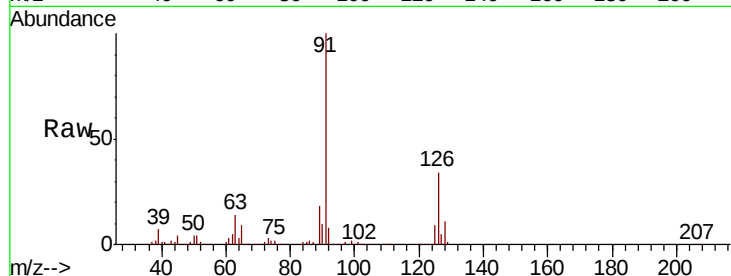
126 34.7 17.2 51.5

Manual Integrations

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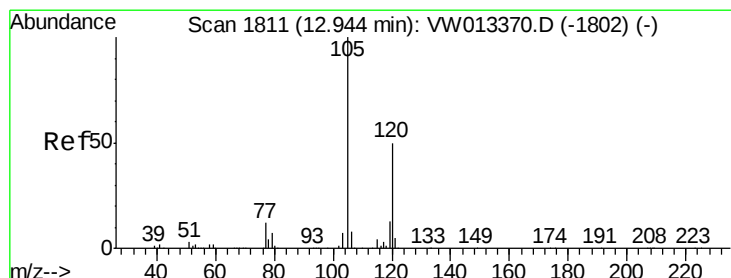
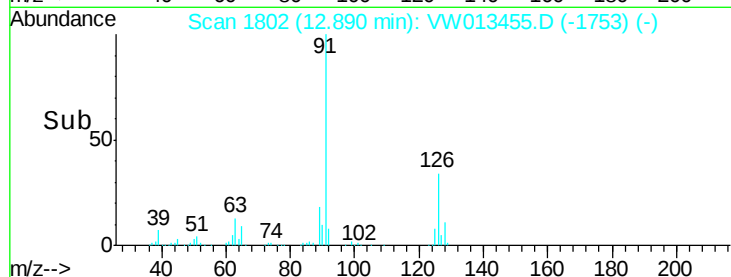
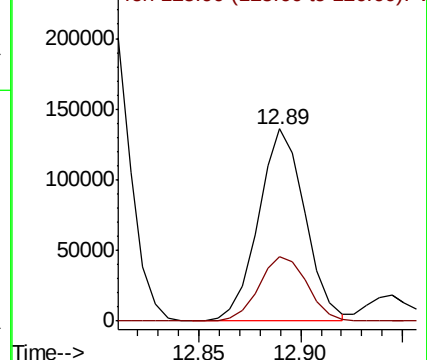
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.489 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013455.D

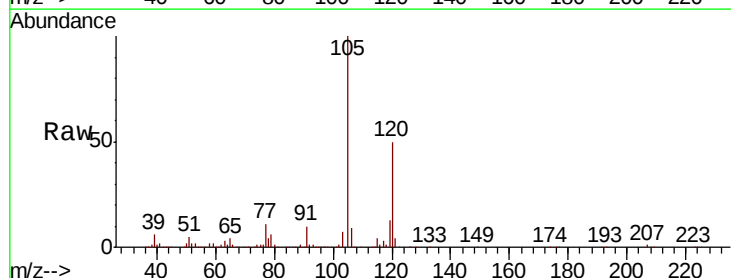
Acq: 07 Oct 2019 11:42

Tgt Ion: 105 Resp: 280350

Ion Ratio Lower Upper

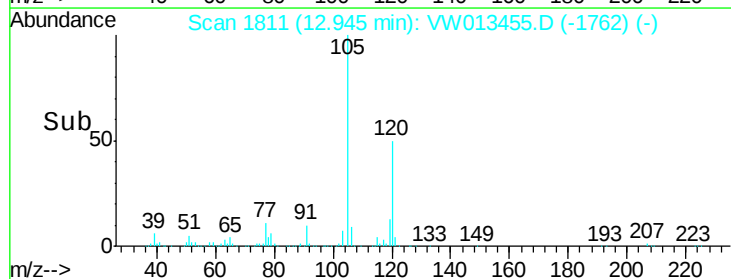
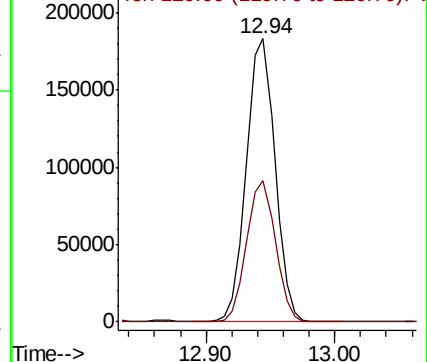
105 100

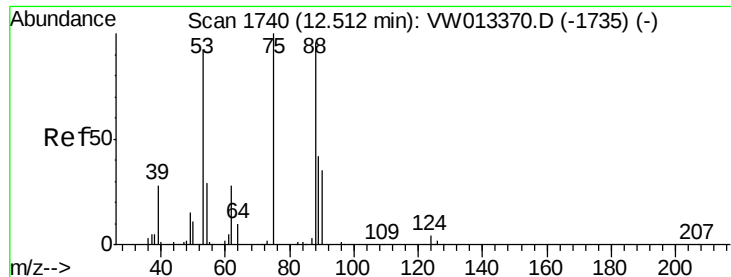
120 50.4 24.9 74.8



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: 23.228 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

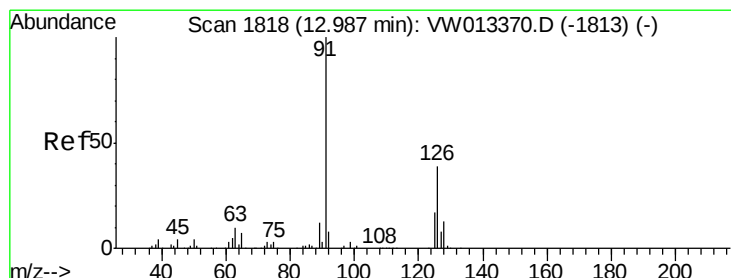
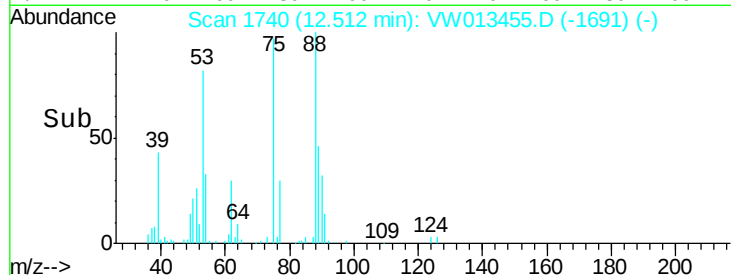
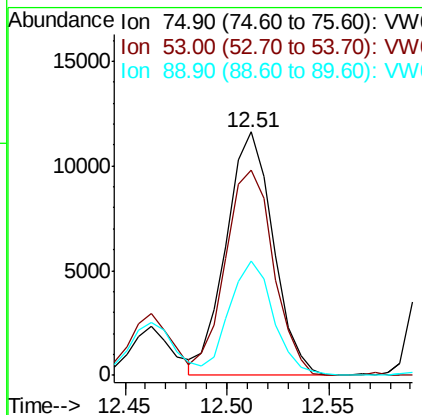
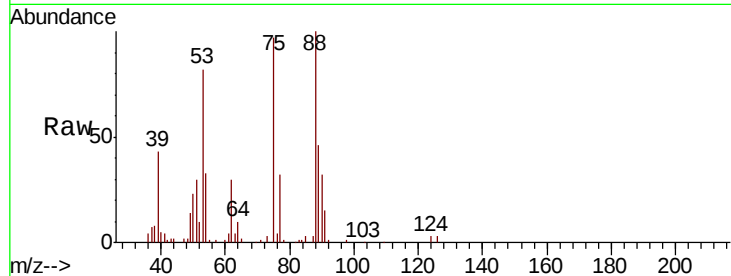
ClientSampleId :

VW1007SBS01

Tot Ion:	75	Resp:	18640
Ion	Ratio	Lower	Upper
75	100		
53	86.4	76.6	114.8
89	43.8	33.5	50.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.557 ug/l

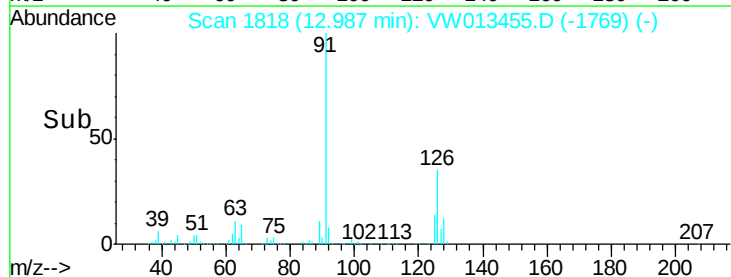
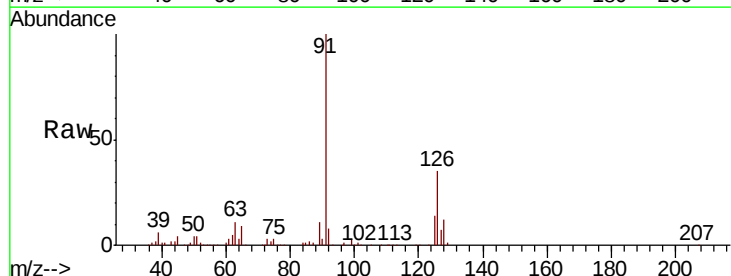
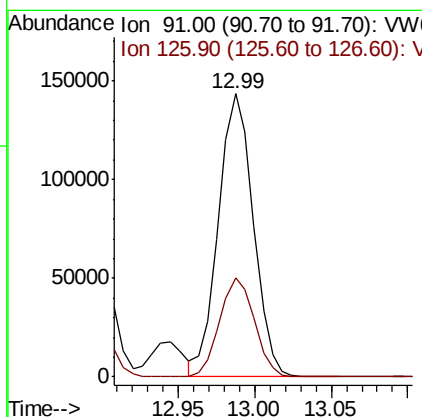
RT: 12.99 min Scan# 1818

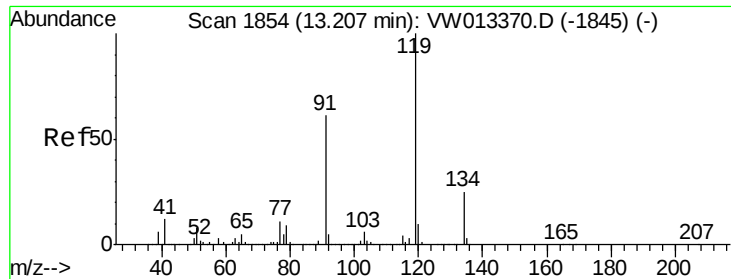
Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Tgt Ion:	91	Resp:	226580
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.3	51.7





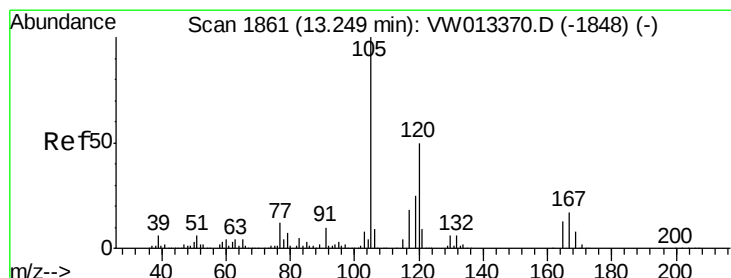
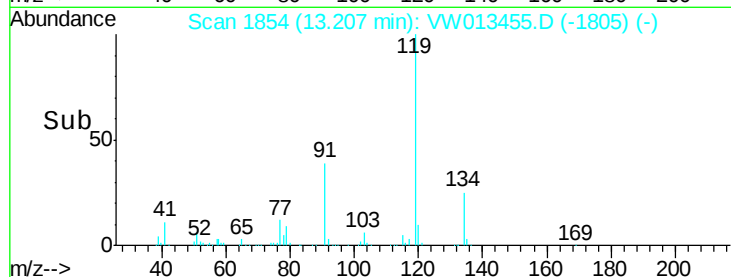
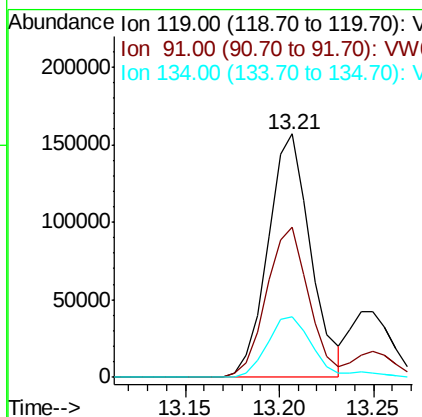
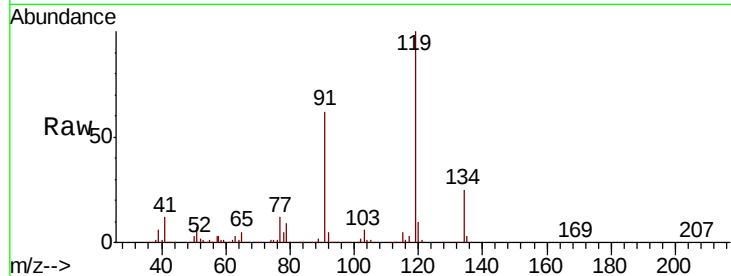
#83
tert-Butylbenzene
Concen: 21.570 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	30.7	92.1
134	27.4	12.6	37.6

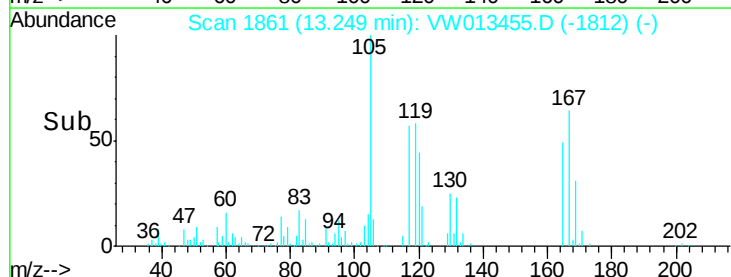
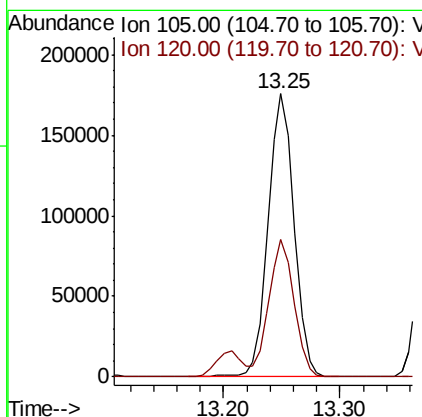
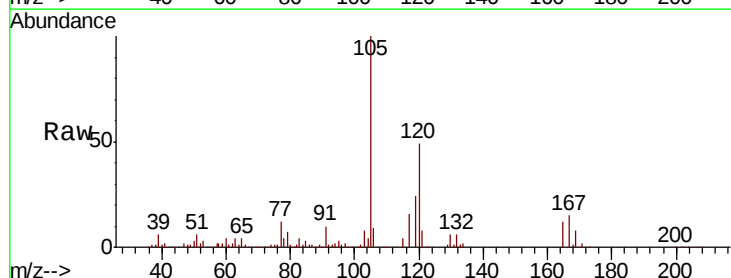
Manual Integrations
APPROVED

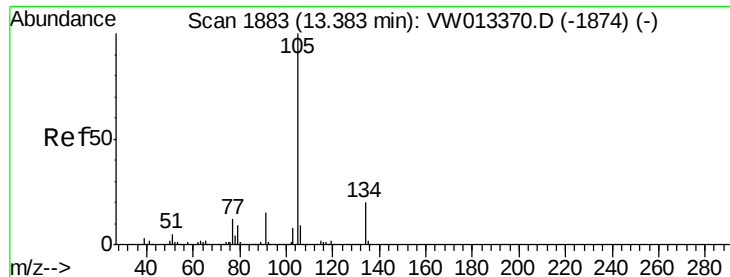
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#84
1,2,4-Trimethylbenzene
Concen: 21.046 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.4	70.3





#85

sec-Butylbenzene

Concen: 21.778 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW1007SBS01

Tot Ion:105 Resp: 342150

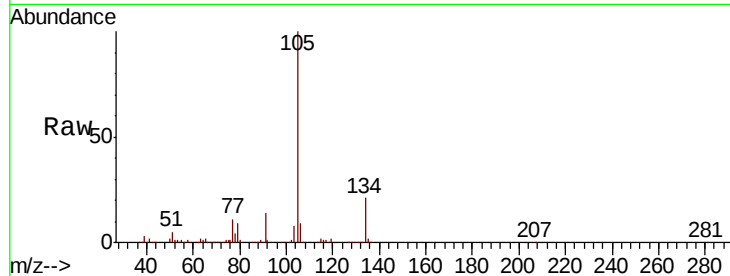
Ion Ratio Lower Upper

105 100

134 20.8 10.3 30.8

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

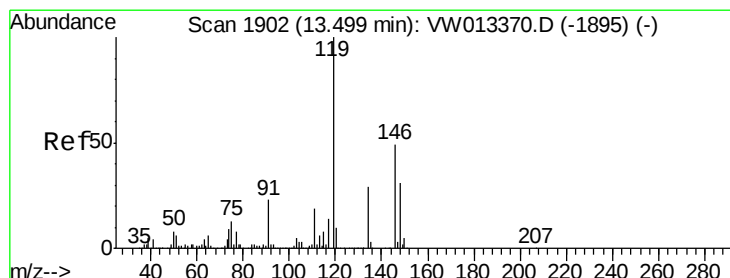
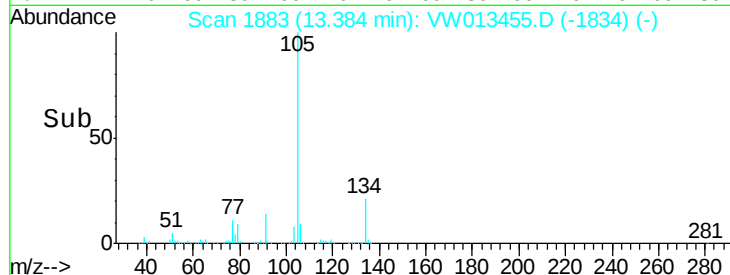
50000

0

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 21.963 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

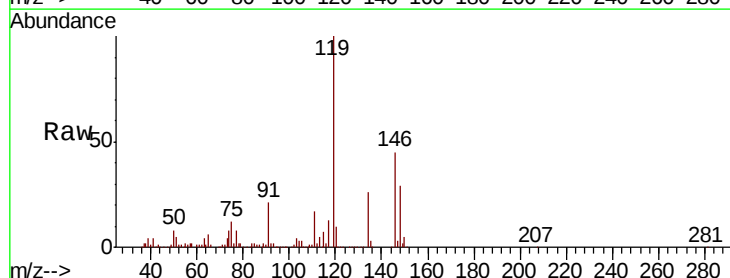
Tgt Ion:119 Resp: 319788

Ion Ratio Lower Upper

119 100

134 25.5 13.3 39.8

91 21.0 10.8 32.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

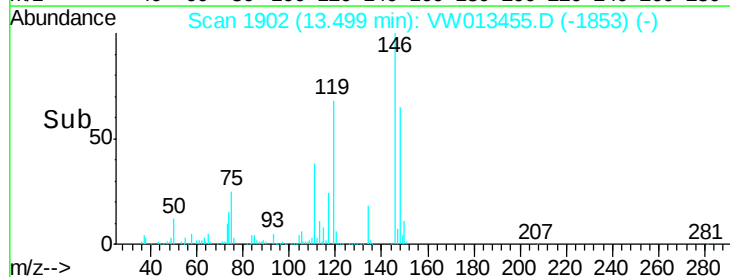
50000

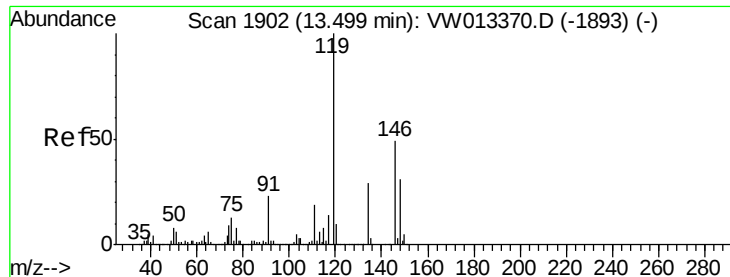
0

13.40

13.50

Time-->





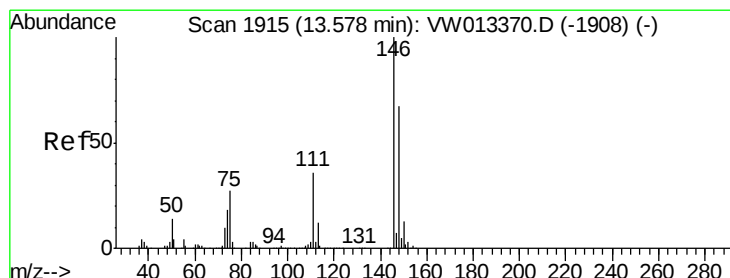
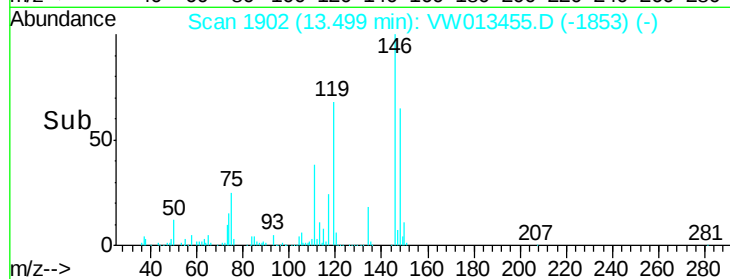
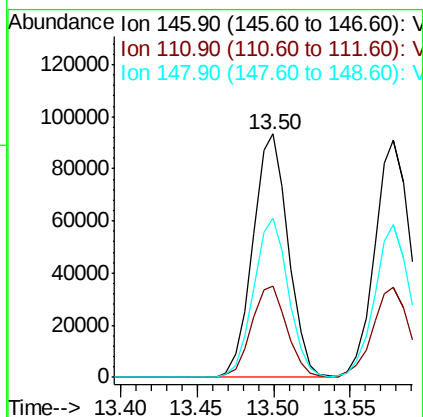
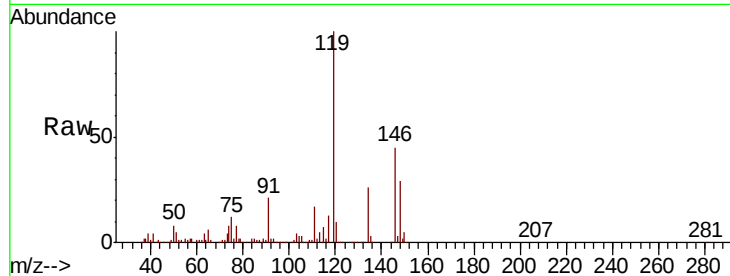
#87
 1,3-Dichlorobenzene
 Concen: 21.209 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	150468		
111	37.7	18.9	56.9	
148	64.2	31.9	95.5	

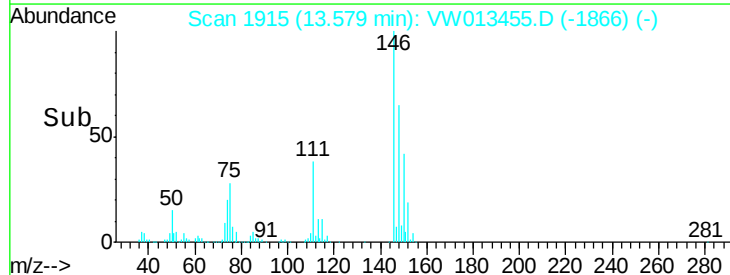
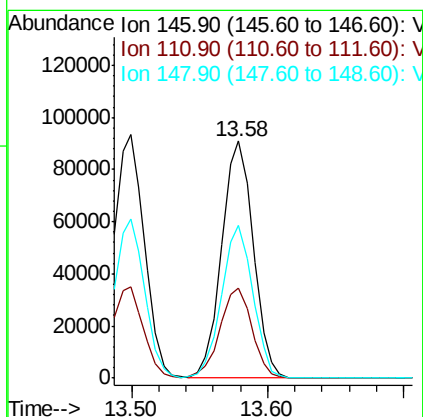
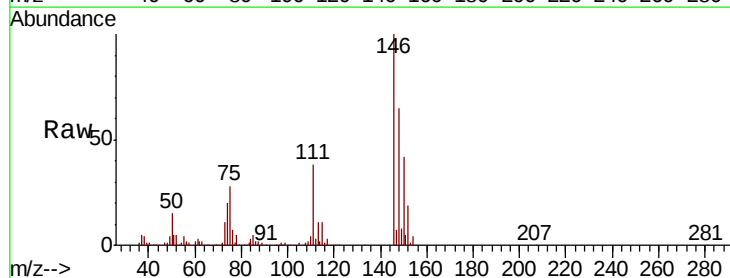
Manual Integrations
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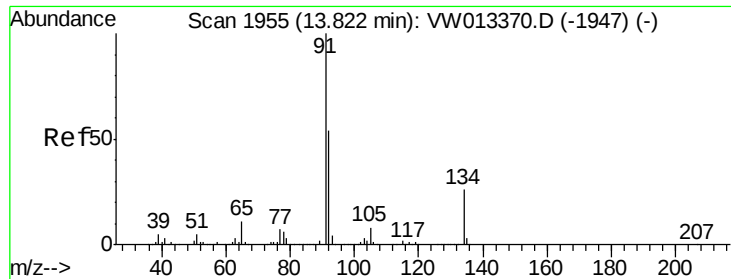
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#88
 1,4-Dichlorobenzene
 Concen: 20.673 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	146852		
111	38.6	18.4	55.0	
148	63.9	32.1	96.3	





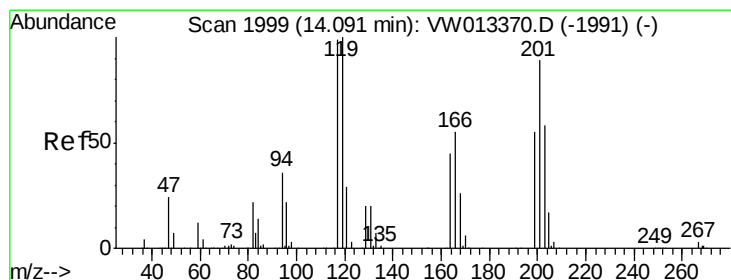
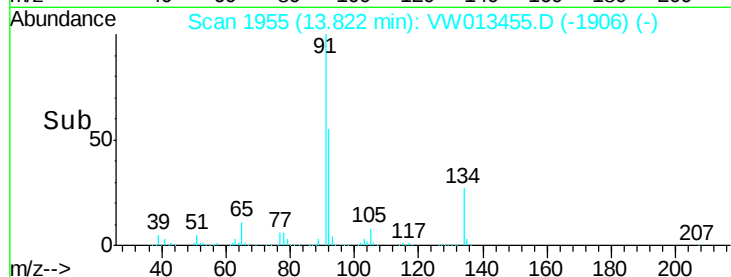
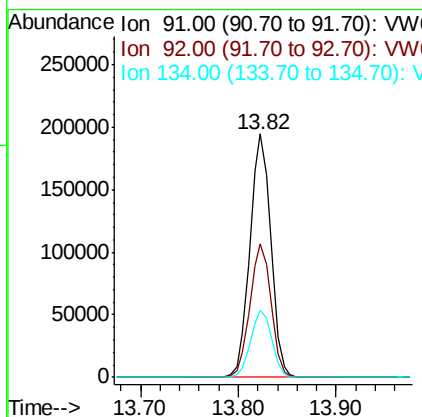
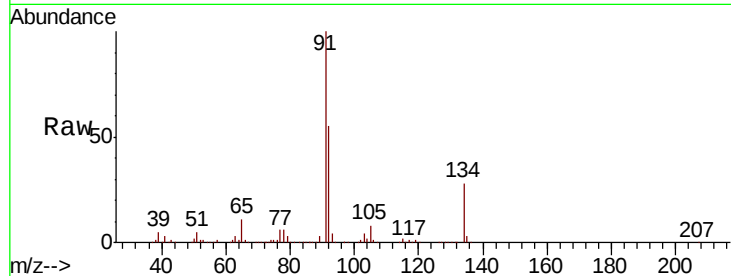
#89
n-Butylbenzene
Concen: 21.998 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW1007SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.1	27.6	82.8
134	27.8	13.7	41.1

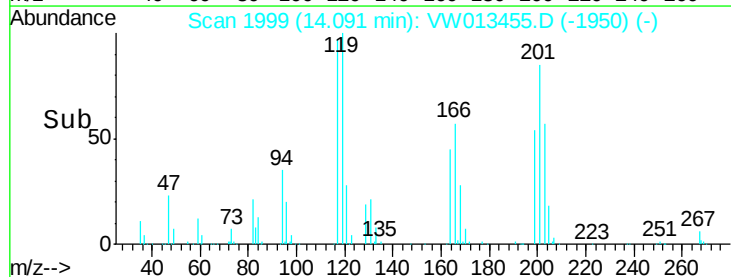
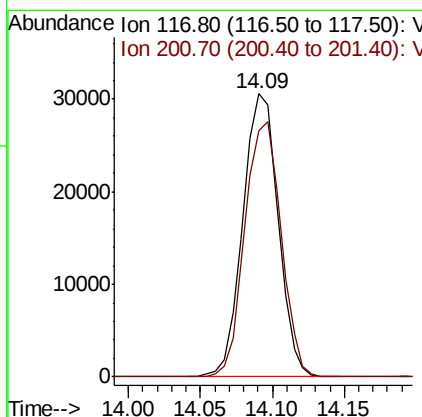
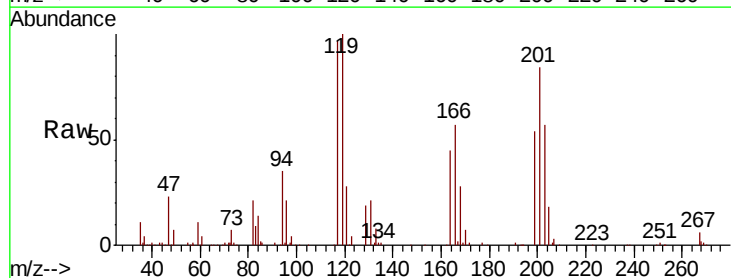
Manual Integrations
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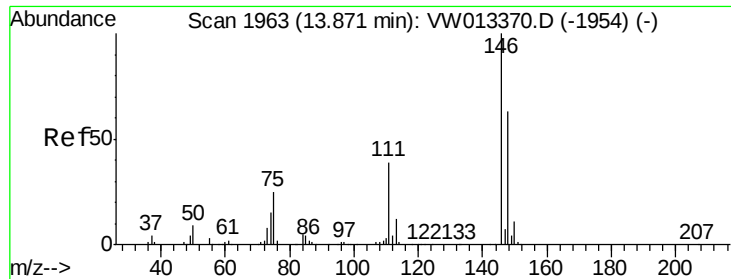
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#90
Hexachloroethane
Concen: 21.602 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013455.D
Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.2	44.5	133.5





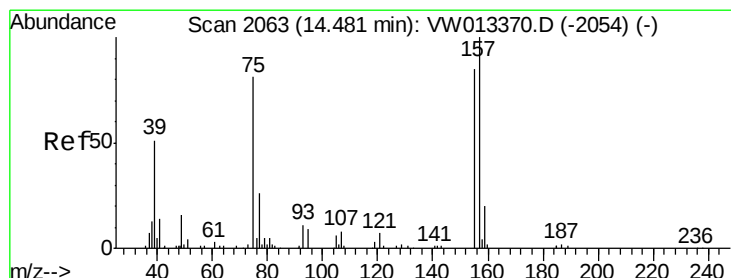
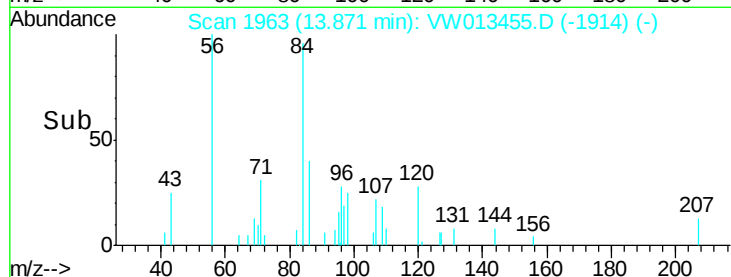
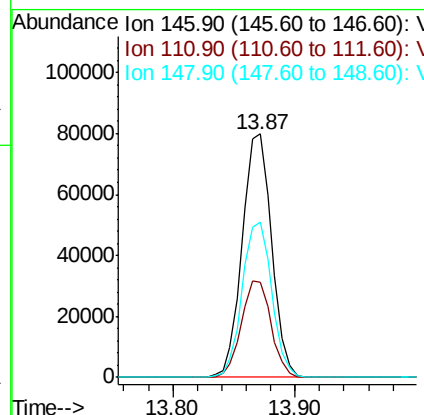
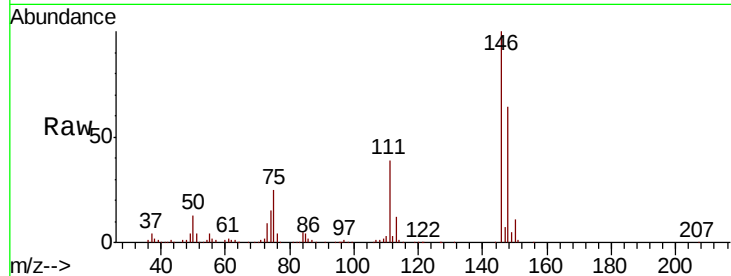
#91
 1,2-Dichlorobenzene
 Concen: 21.200 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.3
148	64.2	32.0	96.0

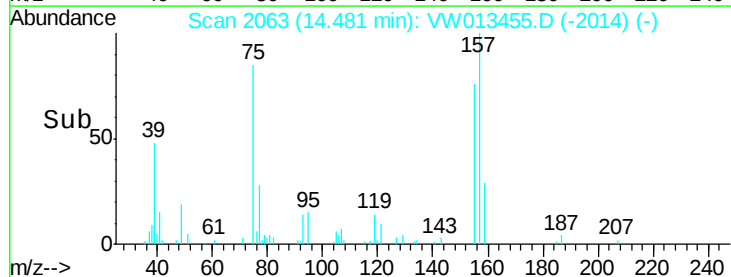
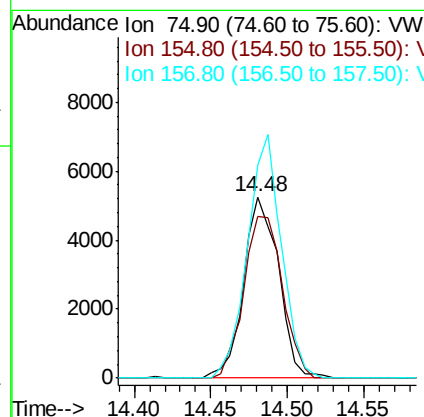
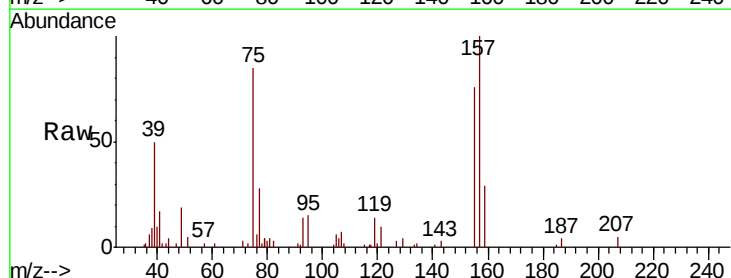
Manual Integrations
 APPROVED

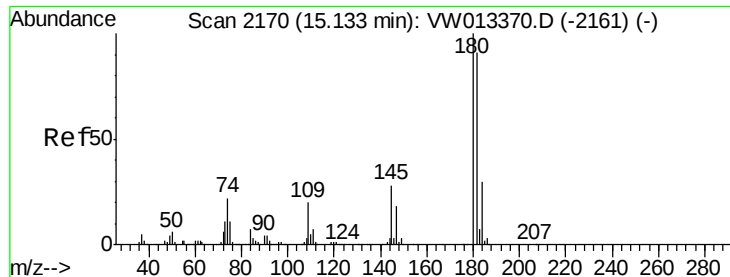
MMDadoda
 10/8/2019 1:30:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.958 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.3	46.1	138.3
157	130.6	60.4	181.2





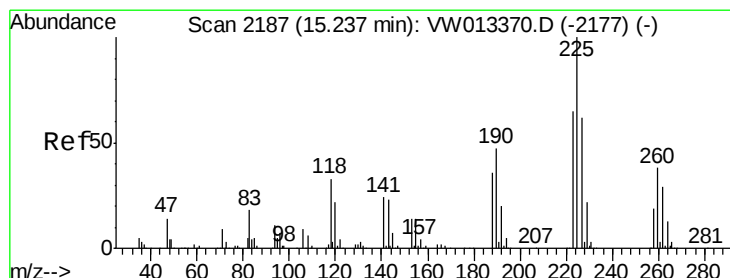
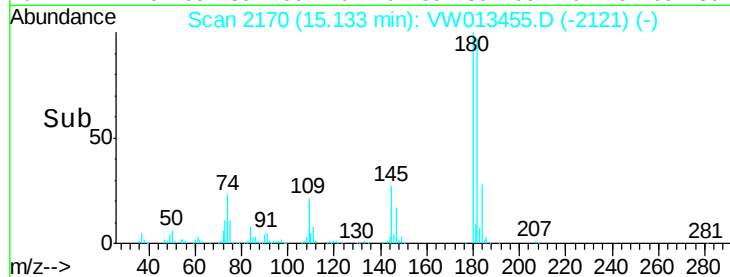
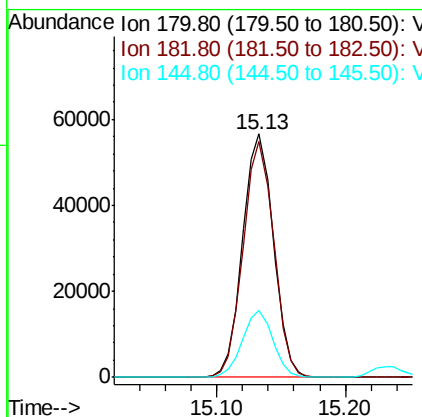
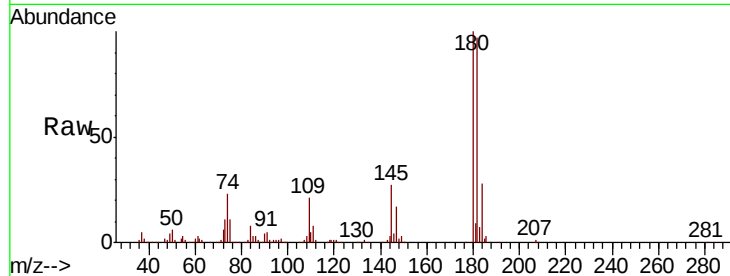
#93
 1,2,4-Trichlorobenzene
 Concen: 20.750 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1007SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	142.0
145	27.3	14.2	42.8

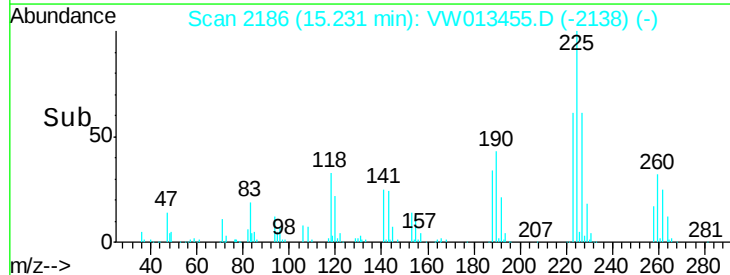
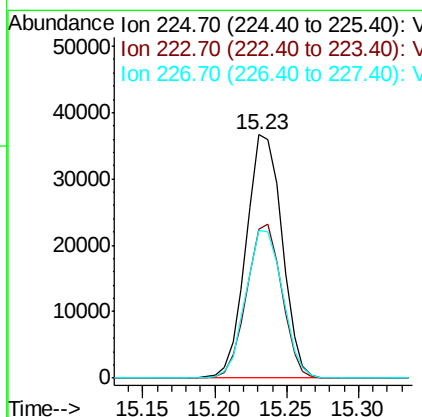
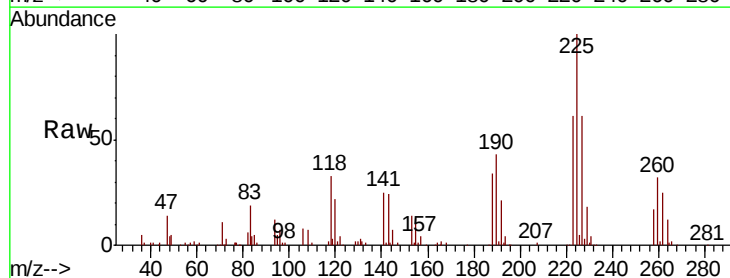
Manual Integrations
 APPROVED

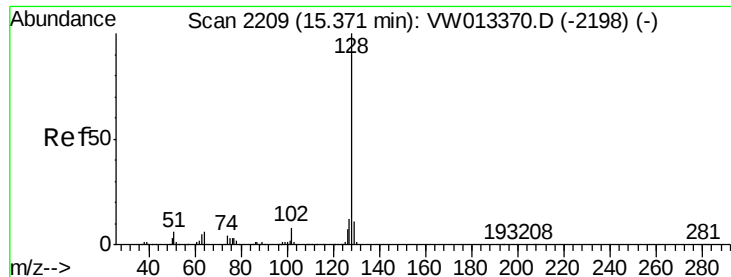
MMDadoda
 10/8/2019 1:30:44 PM



#94
 Hexachlorobutadiene
 Concen: 21.659 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013455.D
 Acq: 07 Oct 2019 11:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.6	91.8
227	61.9	31.9	95.9





#95

Naphthalene

Concen: 20.671 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Instrument :

MSVOA_W

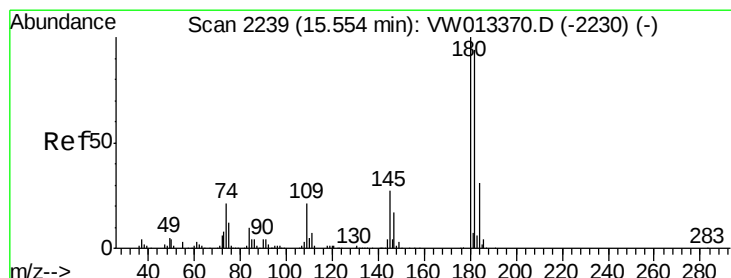
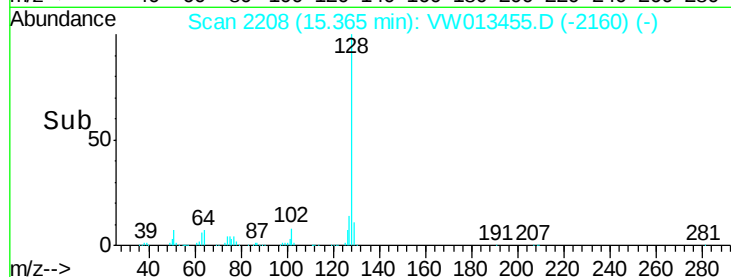
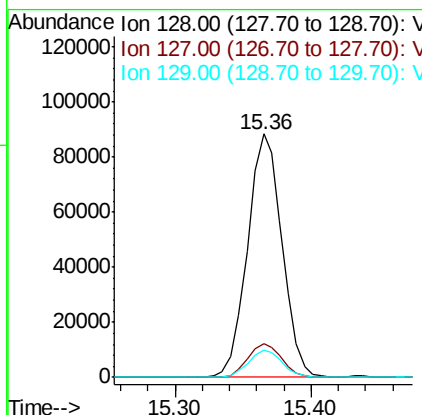
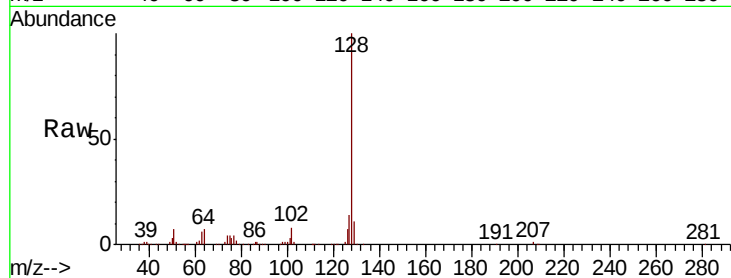
ClientSampleId :

VW1007SBSD01

Tot Ion:	128	Resp:	156946
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.6	15.8
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/8/2019 1:30:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.691 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013455.D

Acq: 07 Oct 2019 11:42

Tgt Ion:	180	Resp:	81310
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.9	143.7
145	30.2	15.0	45.0

