

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070820\
 Data File : VW015804.D
 Acq On : 08 Jul 2020 12:33
 Operator : SY/VA
 Sample : VW0708SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:47:28 AM

Quant Time: Jul 09 05:03:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	217707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	340766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	313588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	105624	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
35) Dibromofluoromethane	7.88	113	95101	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	10.32	98	360361	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
62) 4-Bromofluorobenzene	12.62	95	136247	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27997	24.418	ug/l	99
3) Chloromethane	2.21	50	31148	20.004	ug/l	98
4) Vinyl Chloride	2.36	62	50991	21.209	ug/l	99
5) Bromomethane	2.78	94	37563	20.419	ug/l	96
6) Chloroethane	2.92	64	33789	20.825	ug/l	100
7) Trichlorofluoromethane	3.26	101	35449	20.516	ug/l	99
8) Diethyl Ether	3.68	74	21090	19.590	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44018	21.763	ug/l	98
10) Methyl Iodide	4.27	142	56879	20.113	ug/l	99
11) Tert butyl alcohol	5.17	59	16187	135.571	ug/l	95
12) 1,1-Dichloroethene	4.03	96	41736	20.987	ug/l	99
13) Acrolein	3.89	56	15085	96.998	ug/l	96
14) Allyl chloride	4.67	41	65290	20.200	ug/l	99
15) Acrylonitrile	5.37	53	42552	101.092	ug/l	98
16) Acetone	4.12	43	48456	115.517	ug/l	99
17) Carbon Disulfide	4.38	76	121546	20.547	ug/l	100
18) Methyl Acetate	4.67	43	18841	19.737	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	60618	20.367	ug/l	97
20) Methylene Chloride	4.91	84	61660	26.471	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	46164	20.042	ug/l	94
22) Diisopropyl ether	6.32	45	132968	20.415	ug/l	98
23) Vinyl Acetate	6.26	43	384197	99.170	ug/l	98
24) 1,1-Dichloroethane	6.21	63	84519	20.495	ug/l	98
25) 2-Butanone	7.17	43	60262	105.837	ug/l	99
26) 2,2-Dichloropropane	7.17	77	54846	21.200	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	49250	19.913	ug/l	96
28) Bromochloromethane	7.51	49	35100	21.470	ug/l	98
29) Tetrahydrofuran	7.53	42	35290	102.136	ug/l	99
30) Chloroform	7.68	83	85474	20.276	ug/l	96
31) Cyclohexane	7.96	56	79114	20.384	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	73449	20.779	ug/l	99
36) 1,1-Dichloropropene	8.09	75	69999	20.838	ug/l	100
37) Ethyl Acetate	7.26	43	25539	19.567	ug/l	99
38) Carbon Tetrachloride	8.07	117	66155	20.353	ug/l	99

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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	82286	20.759	ug/l	98
40) Benzene	8.32	78	190914	20.748	ug/l	100
41) Methacrylonitrile	7.48	41	15056	20.318	ug/l	97
42) 1,2-Dichloroethane	8.40	62	59249	20.689	ug/l	100
43) Isopropyl Acetate	8.43	43	50233	19.717	ug/l	99
44) Trichloroethene	9.09	130	49714	20.426	ug/l	93
45) 1,2-Dichloropropane	9.37	63	46165	20.411	ug/l	100
46) Dibromomethane	9.46	93	23623	20.287	ug/l	98
47) Bromodichloromethane	9.65	83	61339	20.366	ug/l	96
48) Methyl methacrylate	9.44	41	23493	20.120	ug/l	96
49) 1,4-Dioxane	9.45	88	6209	431.298	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	124752	100.345	ug/l	99
52) Toluene	10.39	92	122480	20.684	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	56945	19.705	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	69449	20.091	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	32569	20.171	ug/l	97
56) Ethyl methacrylate	10.65	69	38768	19.530	ug/l	97
57) 1,3-Dichloropropane	10.93	76	58111	20.331	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	91706	94.548	ug/l	99
59) 2-Hexanone	10.97	43	87115	104.998	ug/l	100
60) Dibromochloromethane	11.13	129	37098	19.894	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31384	20.314	ug/l	96
64) Tetrachloroethene	10.87	164	40532	20.424	ug/l	97
65) Chlorobenzene	11.66	112	125563	20.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	43323	19.963	ug/l	96
67) Ethyl Benzene	11.73	91	234913	20.685	ug/l	95
68) m/p-Xylenes	11.84	106	178968	41.951	ug/l	100
69) o-Xylene	12.17	106	80541	20.683	ug/l	100
70) Styrene	12.18	104	138159	20.619	ug/l	99
71) Bromoform	12.35	173	19278	19.462	ug/l #	98
73) Isopropylbenzene	12.46	105	229048	20.087	ug/l	99
74) N-amyl acetate	12.27	43	47192	19.344	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	37289	19.681	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	26690m	18.762	ug/l	
77) Bromobenzene	12.75	156	51489	20.137	ug/l	94
78) n-propylbenzene	12.80	91	283961	20.516	ug/l	99
79) 2-Chlorotoluene	12.90	91	159522	20.211	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	198117	20.385	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	10180	18.739	ug/l	93
82) 4-Chlorotoluene	12.99	91	170065	20.633	ug/l	99
83) tert-Butylbenzene	13.21	119	165890	20.560	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	201339	20.744	ug/l	98
85) sec-Butylbenzene	13.38	105	240379	20.629	ug/l	99
86) p-Isopropyltoluene	13.50	119	218180	20.505	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	104906	20.468	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	101916	20.312	ug/l	98
89) n-Butylbenzene	13.82	91	214922	21.107	ug/l	99
90) Hexachloroethane	14.10	117	38345	19.882	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	90756	20.439	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5858	19.350	ug/l	99

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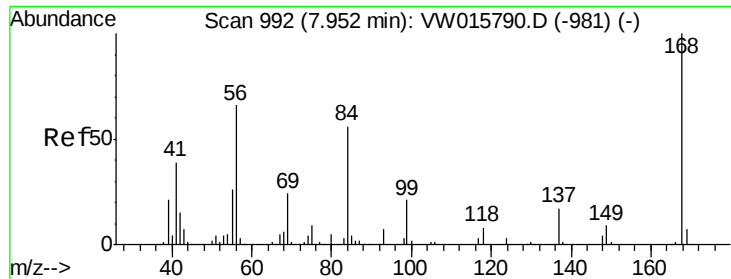
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	55948	19.985	ug/l	98
94) Hexachlorobutadiene	15.24	225	35672	20.069	ug/l	97
95) Naphthalene	15.37	128	90212	19.093	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	48001	20.151	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

ClientSampled :

VW0708SBS01

Tot Ion:168 Resp: 217707

Ion Ratio Lower Upper

168 100

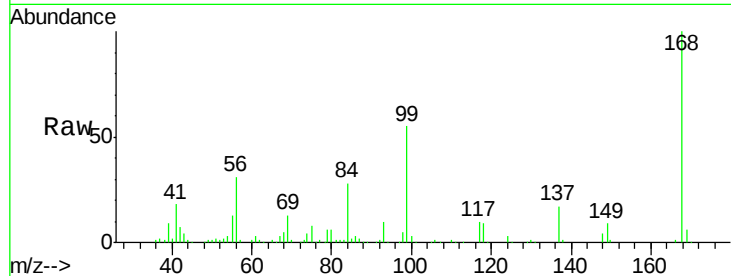
99 54.6 47.8 71.8

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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

100000

80000

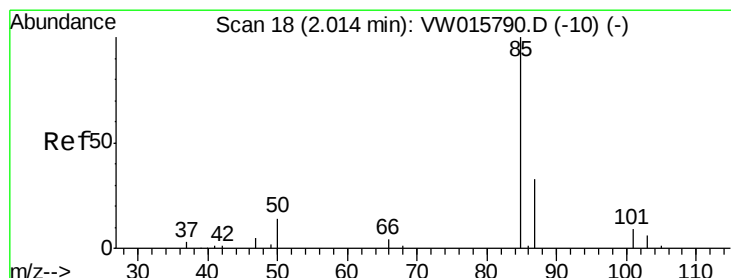
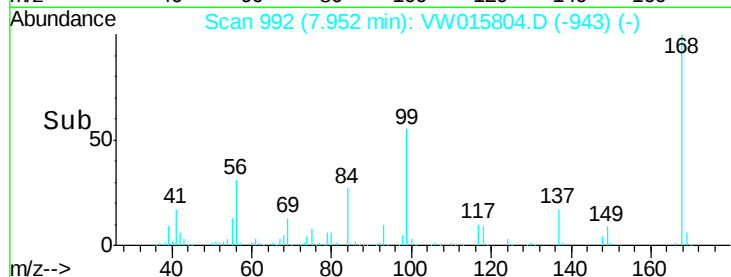
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 24.418 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015804.D

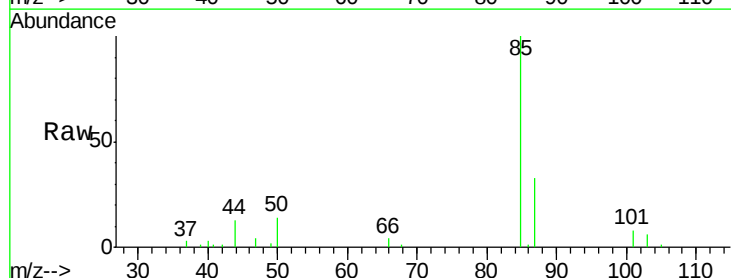
Acq: 08 Jul 2020 12:33

Tgt Ion: 85 Resp: 27997

Ion Ratio Lower Upper

85 100

87 33.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

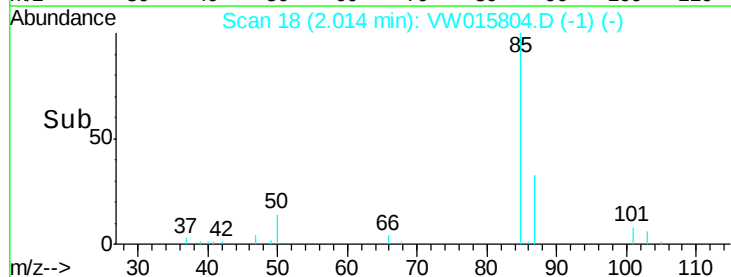
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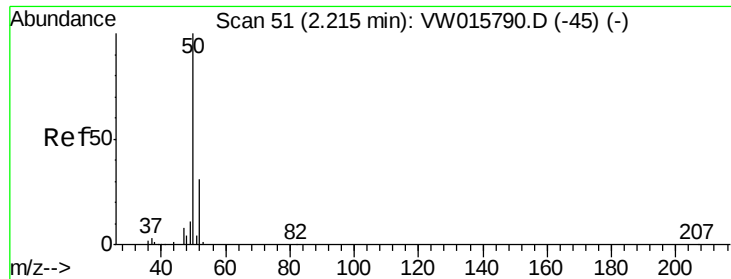
4000

2000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 20.004 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 50 Resp: 31148

Ion Ratio Lower Upper

50 100

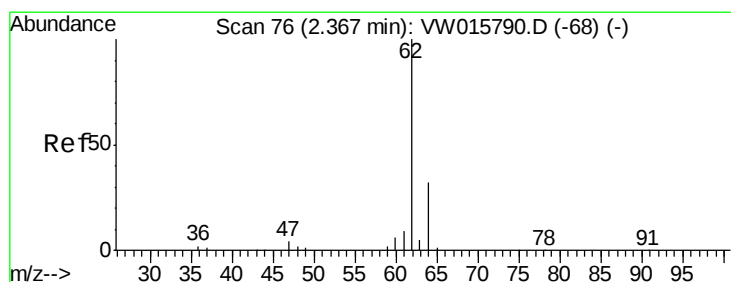
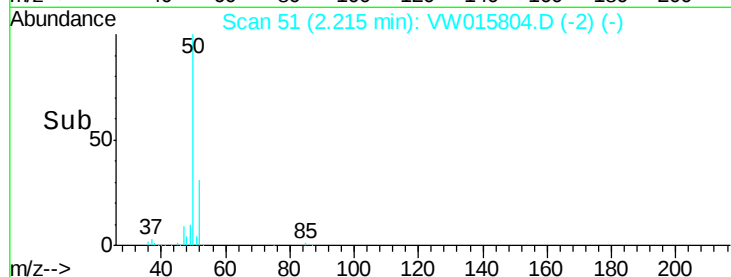
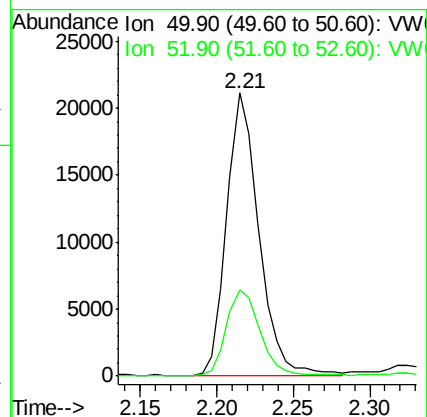
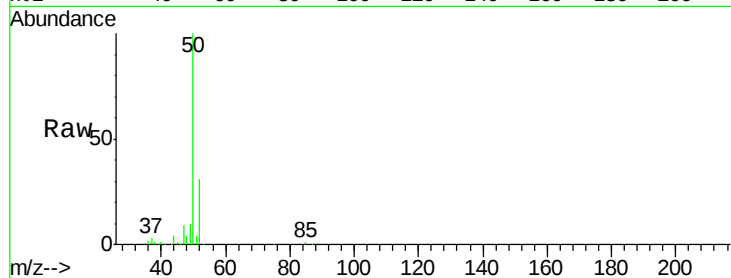
52 30.7 25.2 37.8

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#4

Vinyl Chloride

Concen: 21.209 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015804.D

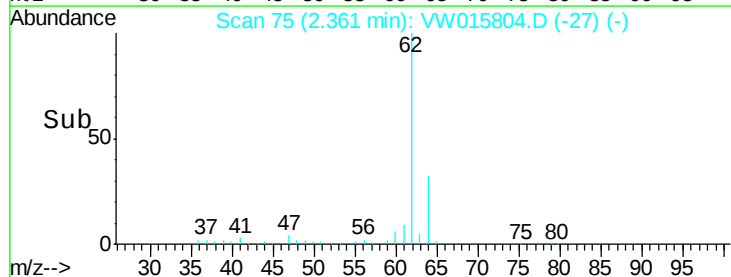
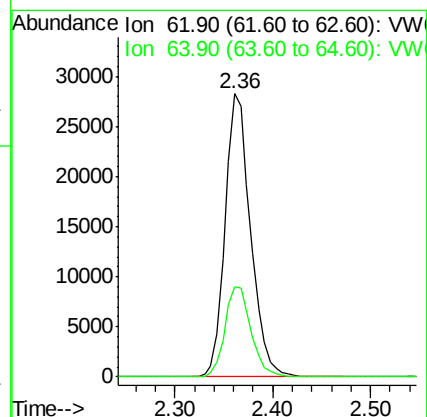
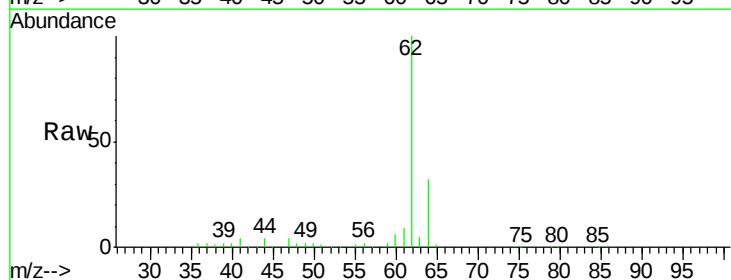
Acq: 08 Jul 2020 12:33

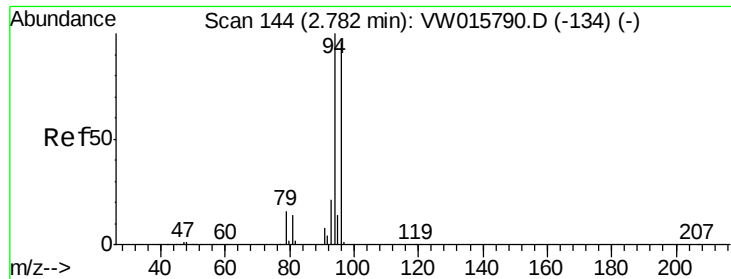
Tgt Ion: 62 Resp: 50991

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 20.419 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

ClientSampled :

VW0708SBS01

Tot Ion: 94 Resp: 37563

Ion Ratio Lower Upper

94 100

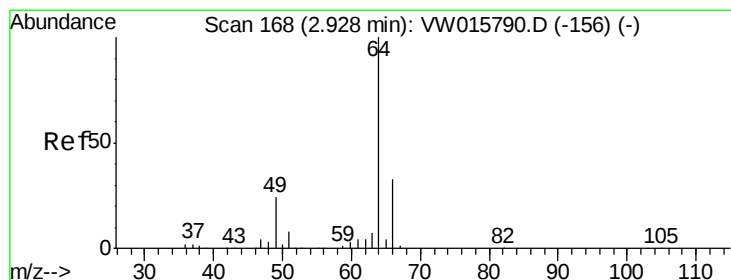
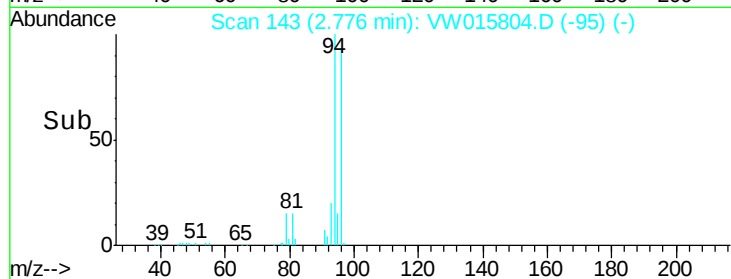
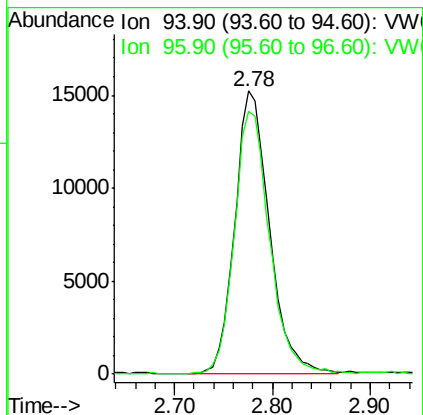
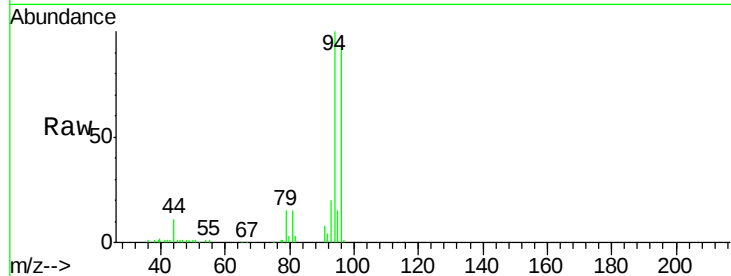
96 92.5 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 20.825 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015804.D

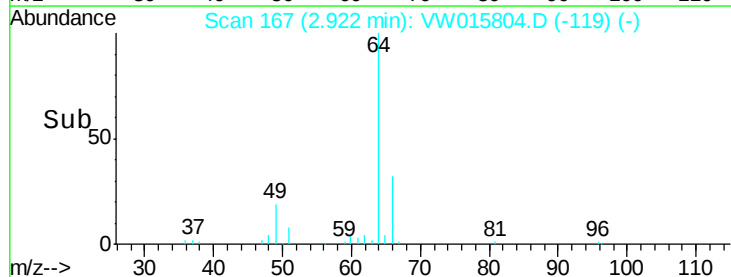
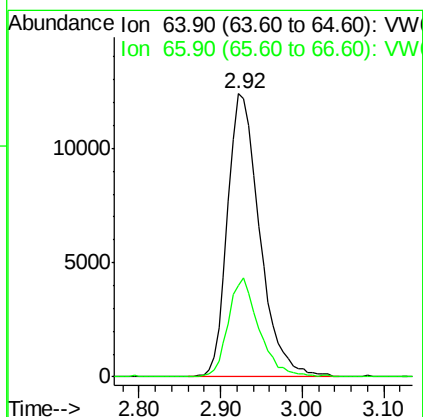
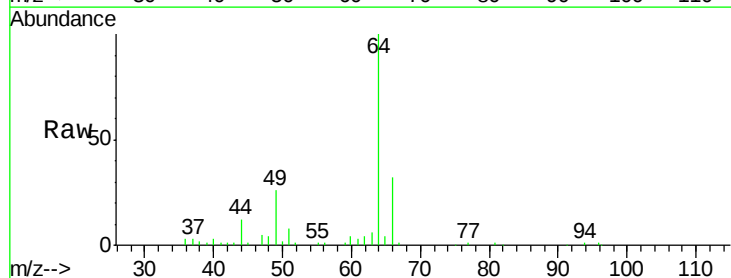
Acq: 08 Jul 2020 12:33

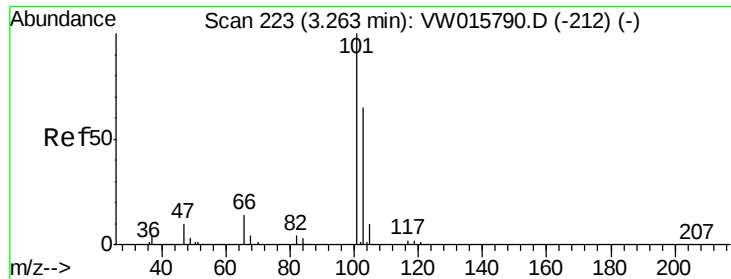
Tgt Ion: 64 Resp: 33789

Ion Ratio Lower Upper

64 100

66 32.2 26.0 39.0





#7

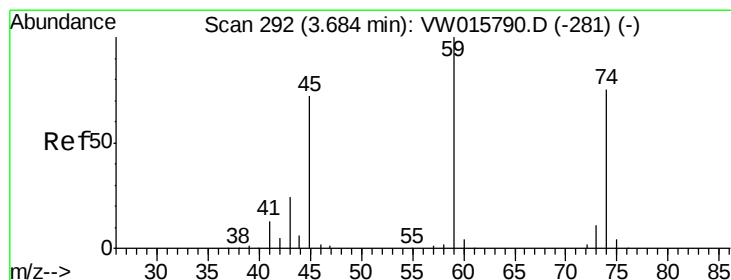
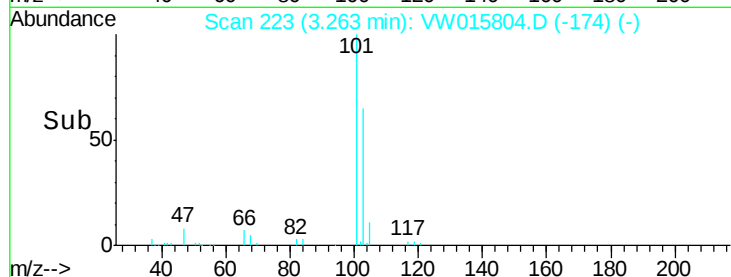
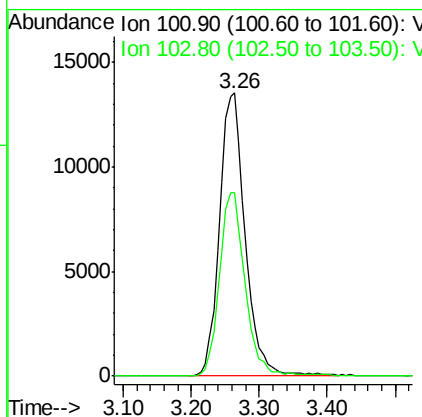
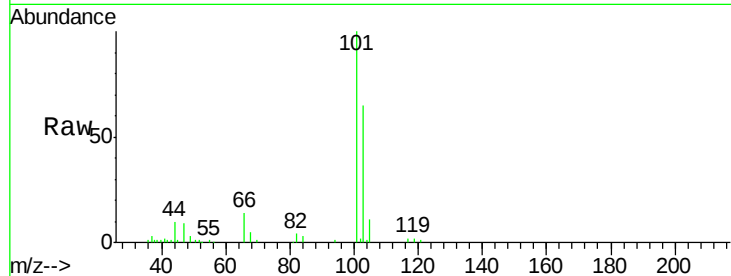
Trichlorofluoromethane
Concen: 20.516 ug/l
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
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ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.4

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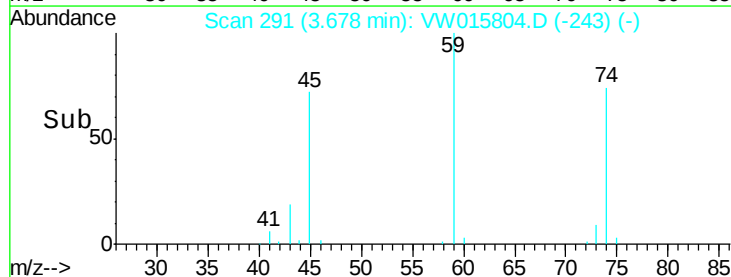
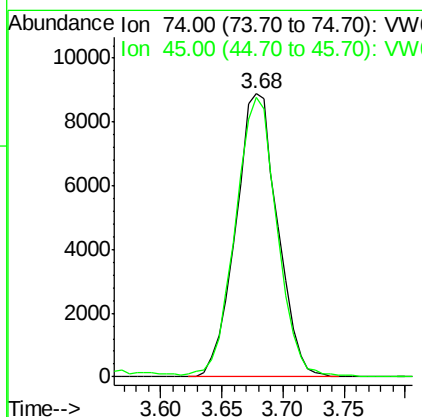
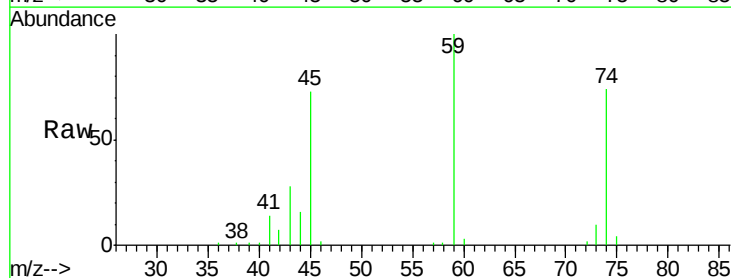
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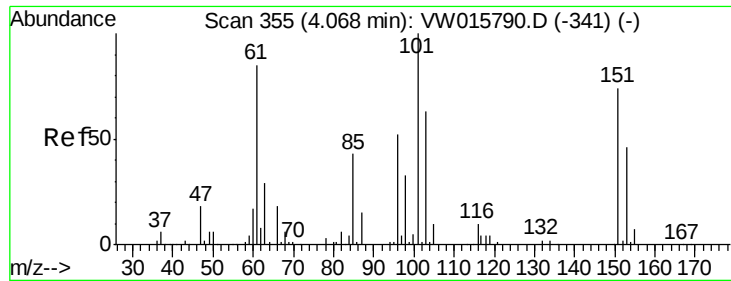


#8

Diethyl Ether
Concen: 19.590 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.763 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

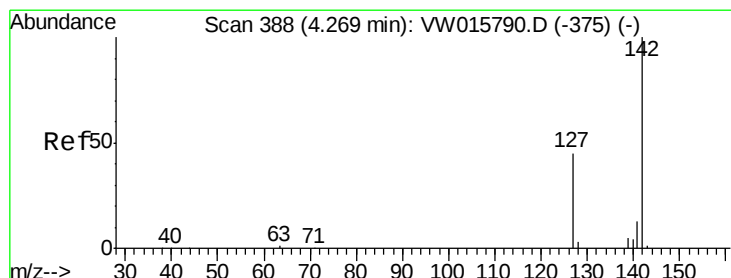
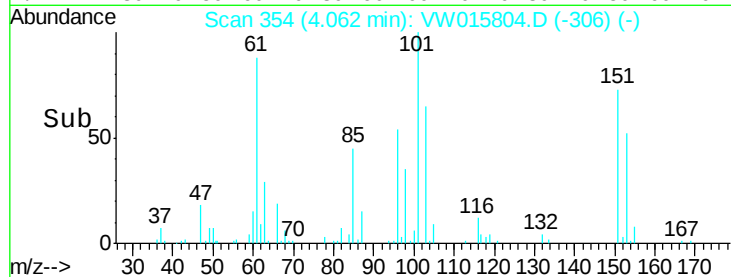
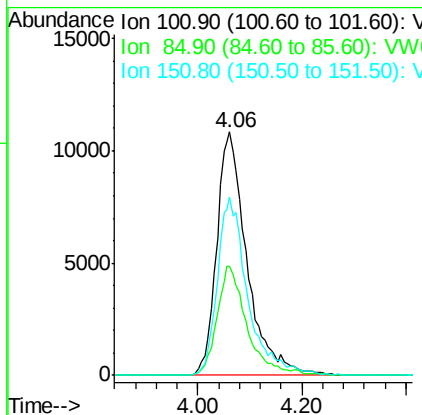
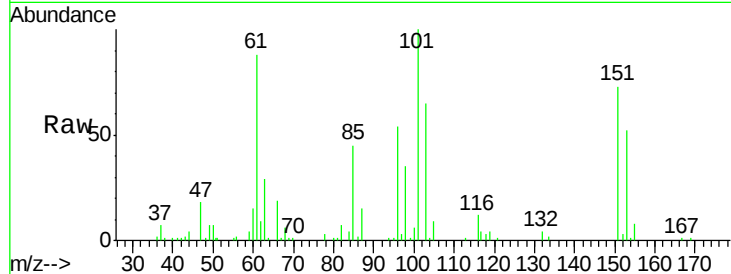
ClientSampled :

VW0708SBS01

Tot Ion:	101	Resp:	44018
Ion Ratio	Lower	Upper	
101	100		
85	43.6	36.1	54.1
151	73.2	60.3	90.5

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7/9/2020 10:47:28 AM



#10

Methyl Iodide

Concen: 20.113 ug/l

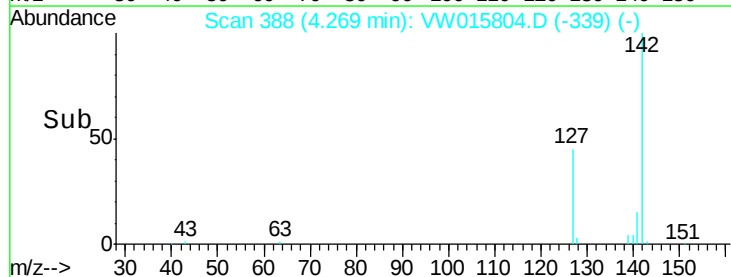
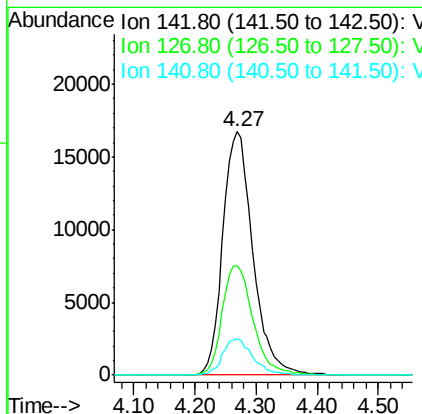
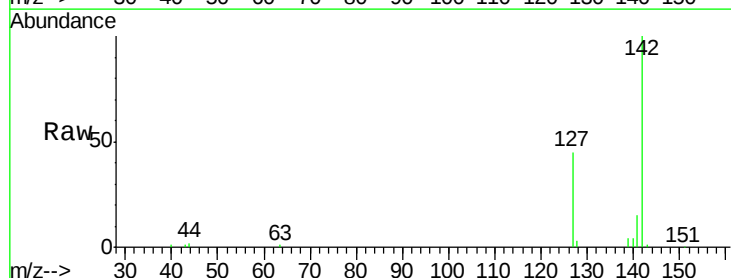
RT: 4.27 min Scan# 388

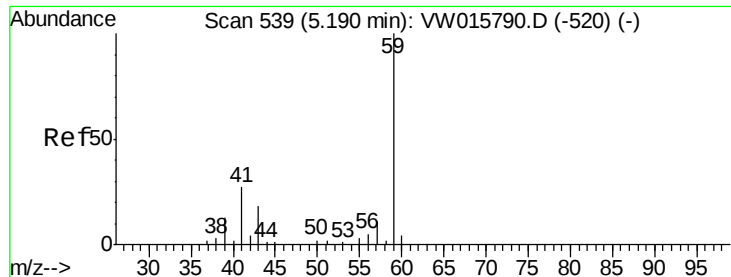
Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Tgt Ion:	142	Resp:	56879
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.1	54.1
141	14.9	11.7	17.5





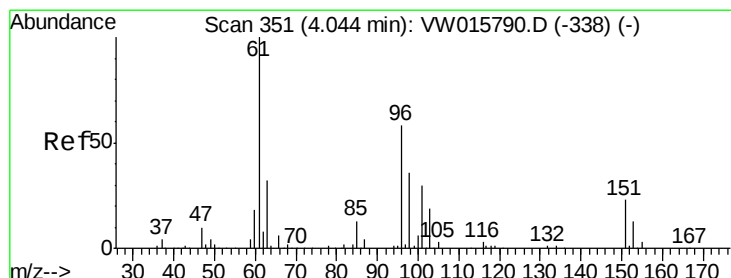
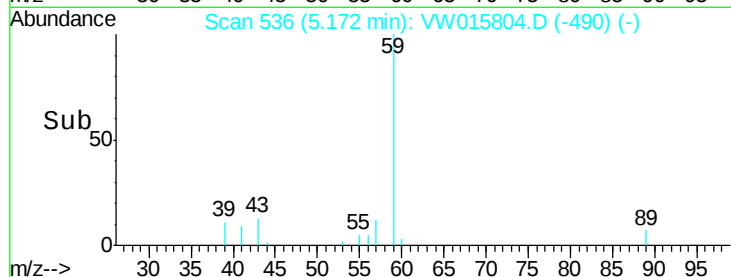
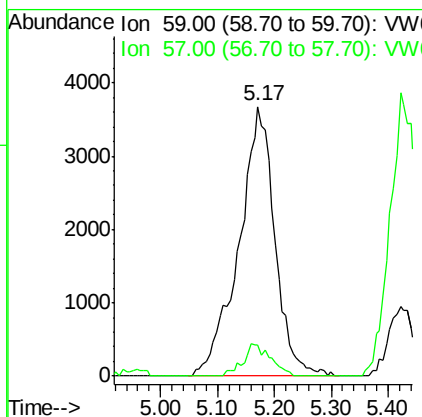
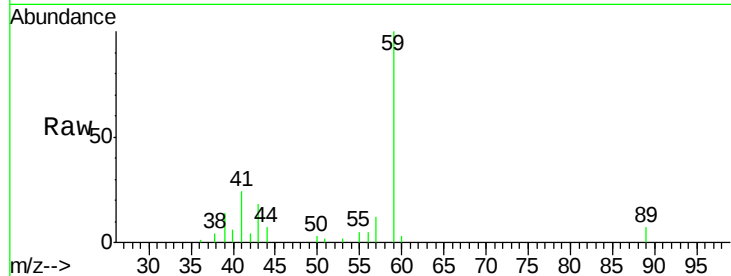
#11
Tert butyl alcohol
Concen: 135.571 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.02 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	16187		
57	9.1		8.7	13.1

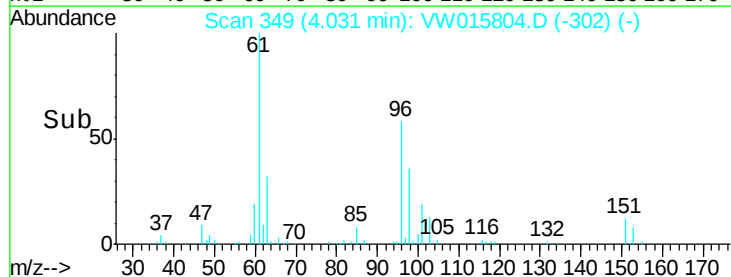
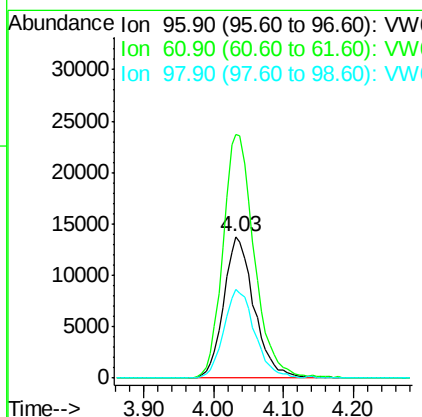
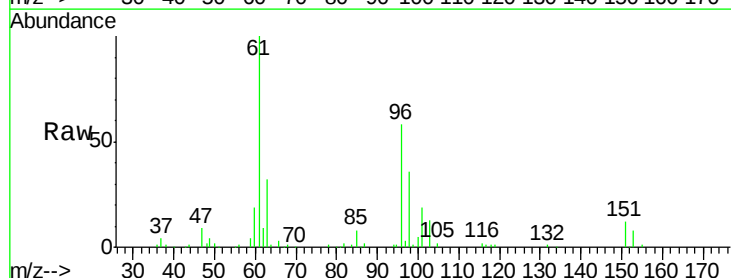
Manual Integrations
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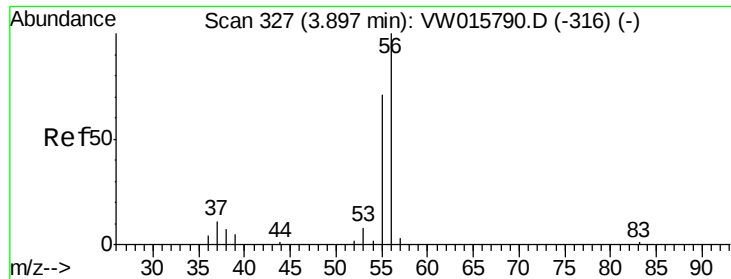
MMDadoda
7/9/2020 10:47:28 AM



#12
1,1-Dichloroethene
Concen: 20.987 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	41736		
61	172.4		137.0	205.4
98	62.4		49.3	73.9





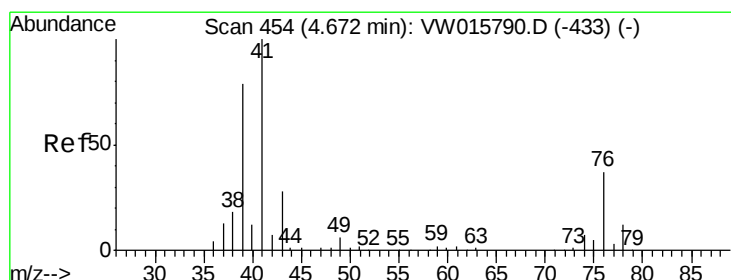
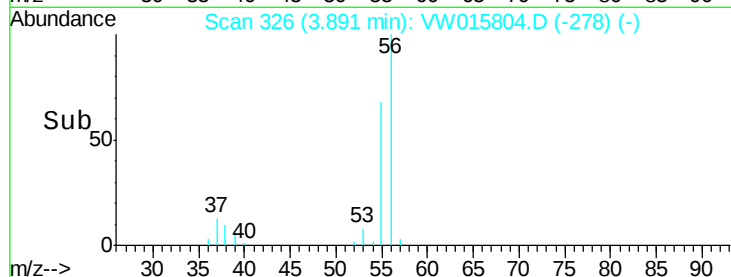
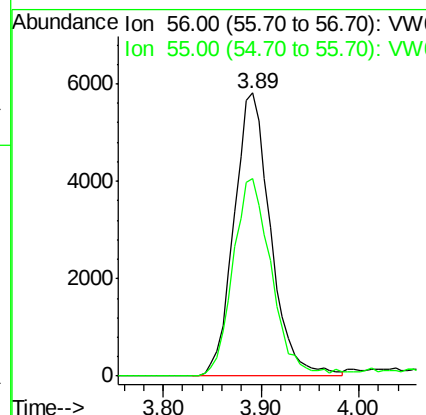
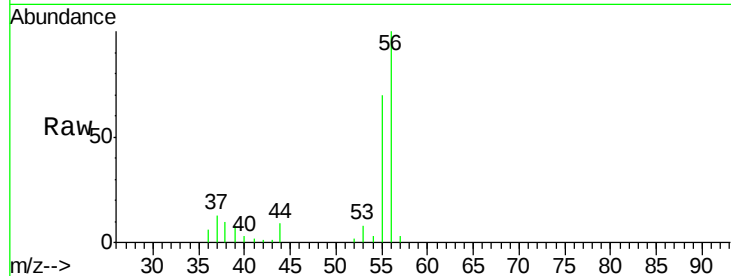
#13
Acrolein
Concen: 96.998 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	56	Resp	15085
Ion Ratio	100	Lower	Upper
56	100		
55	72.7	55.8	83.6

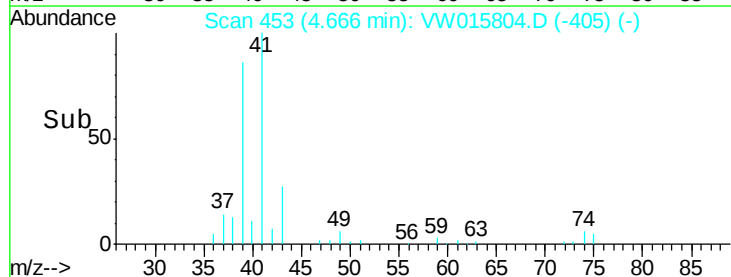
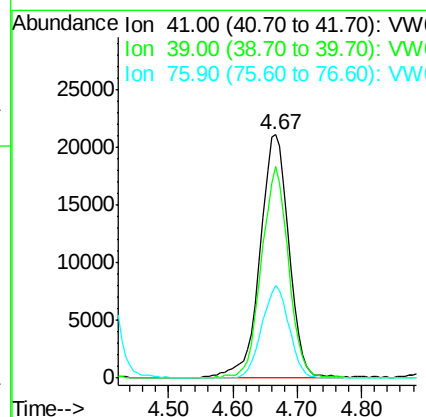
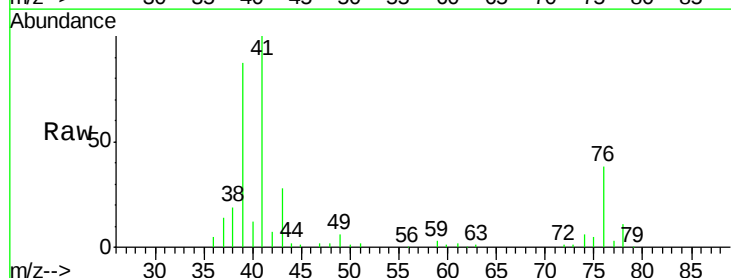
Manual Integrations
APPROVED

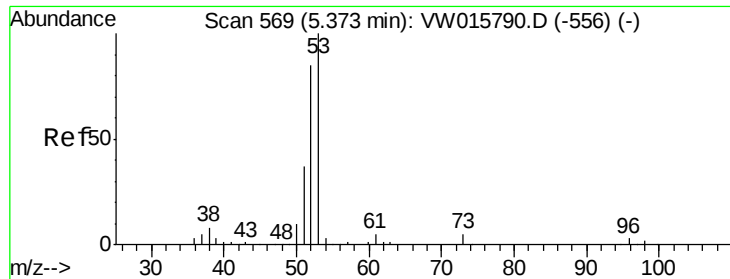
MMDadoda
7/9/2020 10:47:28 AM



#14
Allyl chloride
Concen: 20.200 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	41	Resp	65290
Ion Ratio	100	Lower	Upper
41	100		
39	81.2	64.0	96.0
76	35.7	28.9	43.3





#15

Acrylonitrile

Concen: 101.092 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

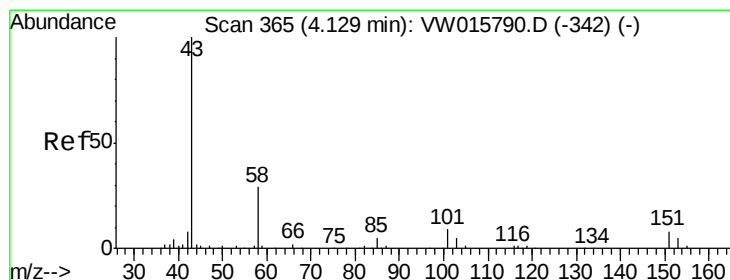
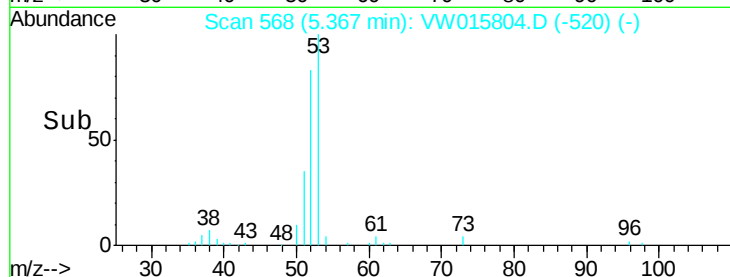
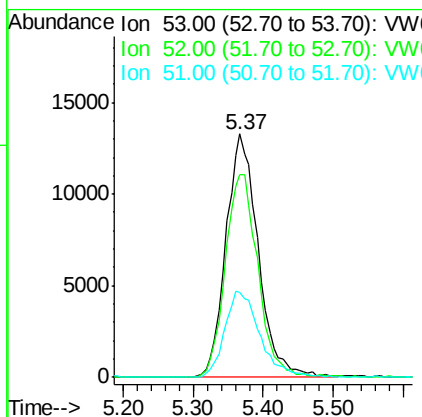
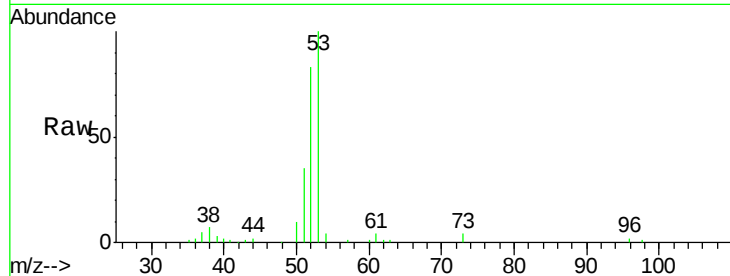
ClientSampleId :

VW0708SBS01

Tot Ion:	53	Resp:	42552
Ion	Ratio	Lower	Upper
53	100		
52	83.9	65.8	98.8
51	38.5	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 115.517 ug/l

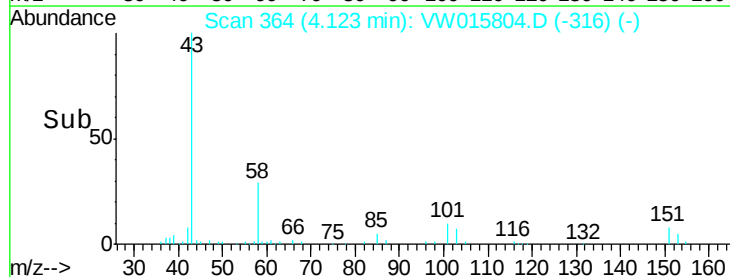
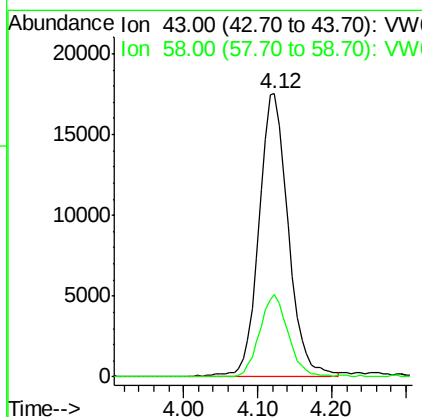
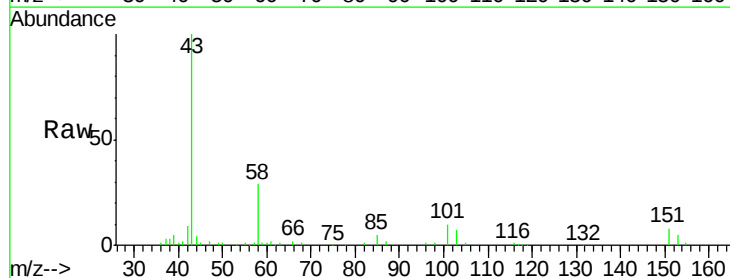
RT: 4.12 min Scan# 364

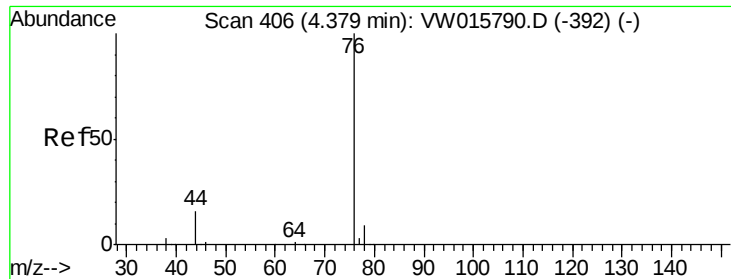
Delta R.T. -0.01 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Tgt Ion:	43	Resp:	48456
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.5	35.3





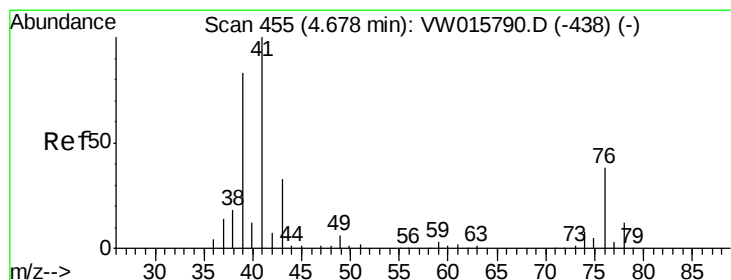
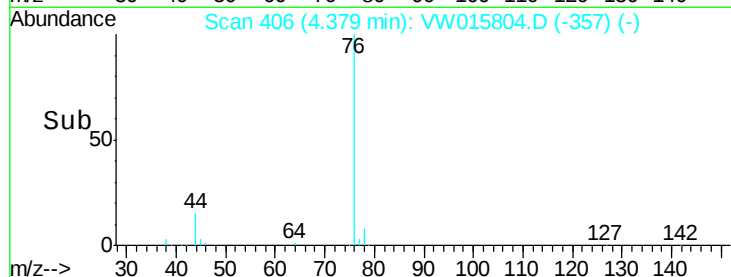
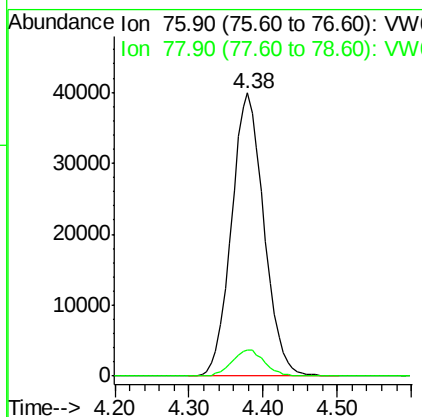
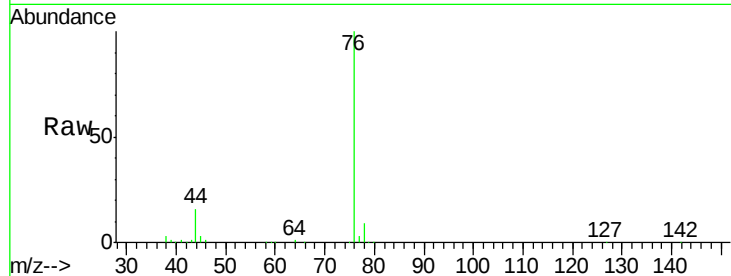
#17
Carbon Disulfide
Concen: 20.547 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	76	Resp	121546
Ion Ratio	Lower	Upper	
76	100		
78	9.0	7.4	11.0

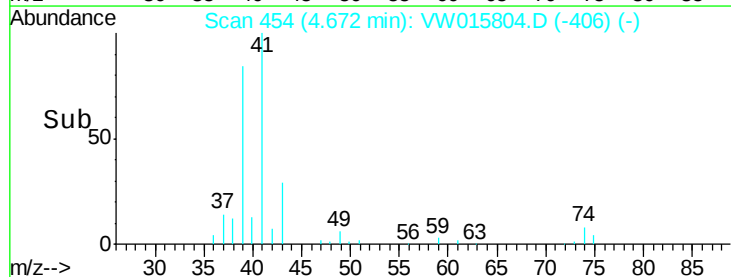
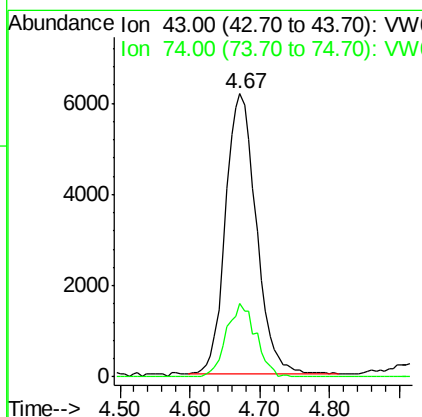
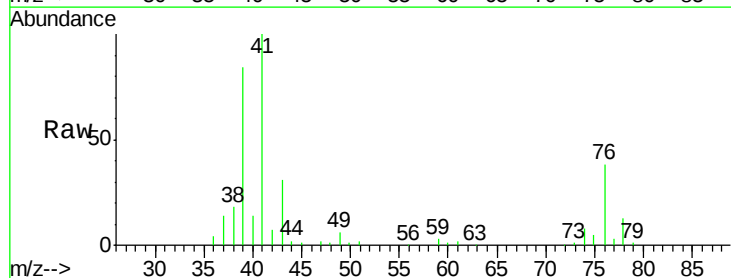
Manual Integrations
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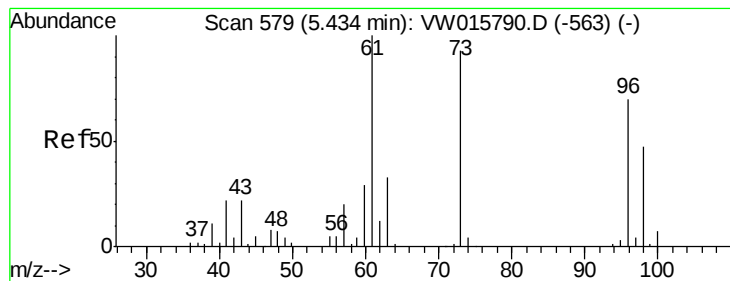
MMDadoda
7/9/2020 10:47:28 AM



#18
Methyl Acetate
Concen: 19.737 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	43	Resp	18841
Ion Ratio	Lower	Upper	
43	100		
74	25.1	19.2	28.8





#19

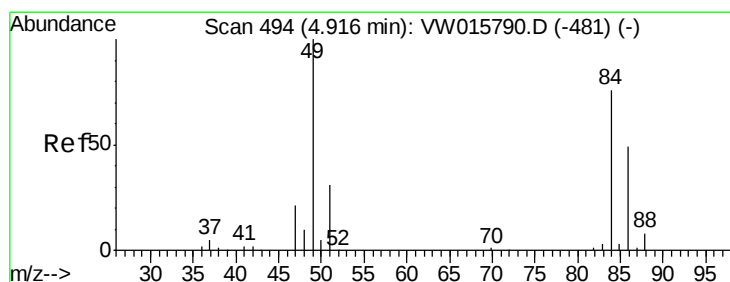
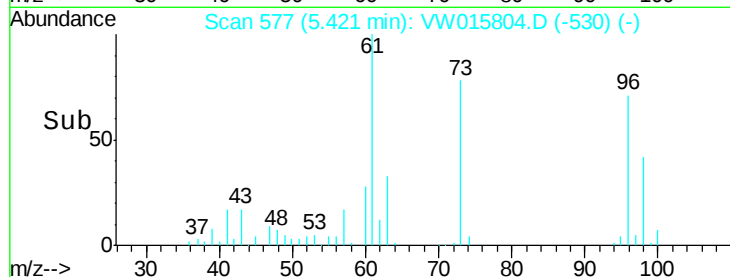
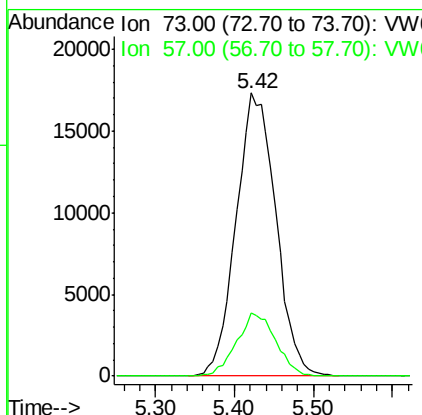
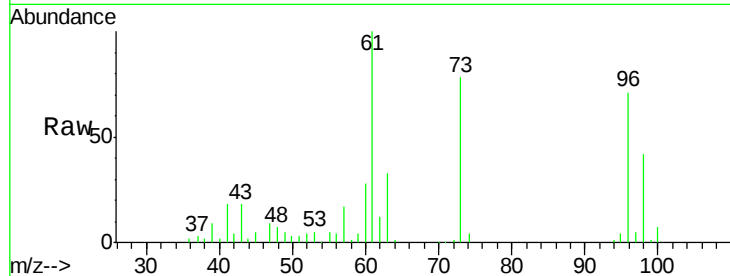
Methyl tert-butyl Ether
 Concen: 20.367 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	16.8	25.2

Manual Integrations
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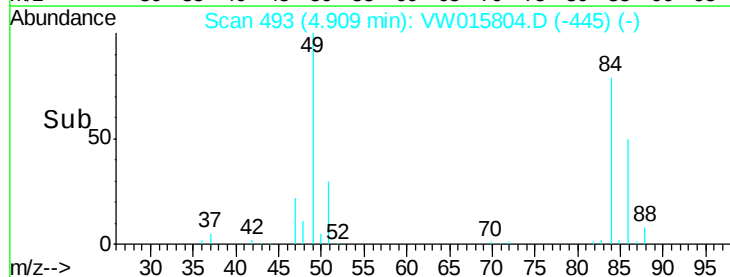
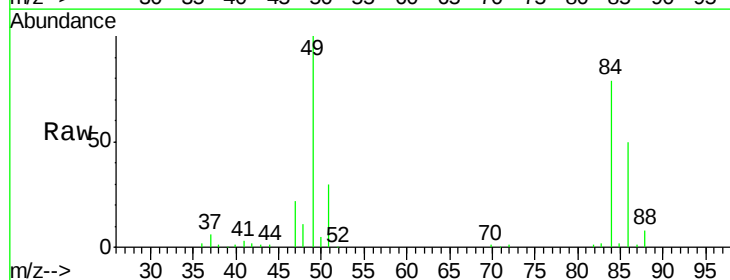
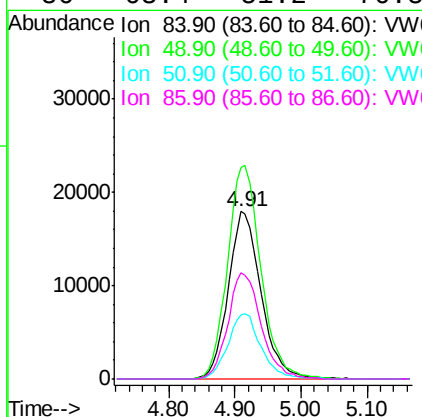
MMDadoda
 7/9/2020 10:47:28 AM

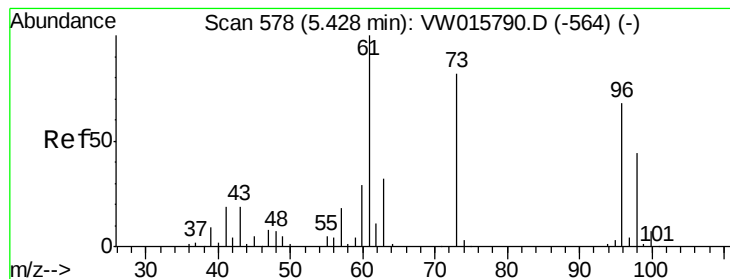


#20

Methylene Chloride
 Concen: 26.471 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.3	105.0	157.6
51	38.1	32.3	48.5
86	63.4	51.2	76.8





#21

trans-1,2-Dichloroethene

Concen: 20.042 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

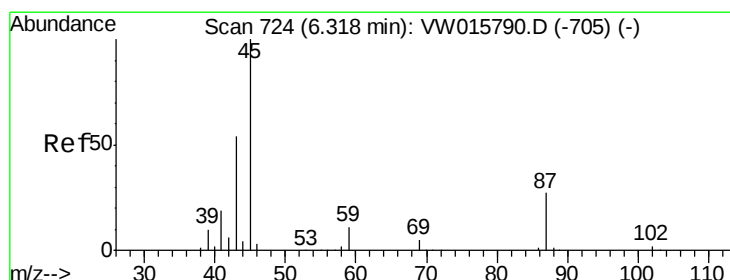
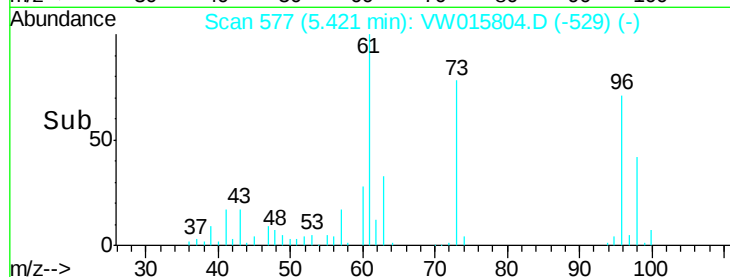
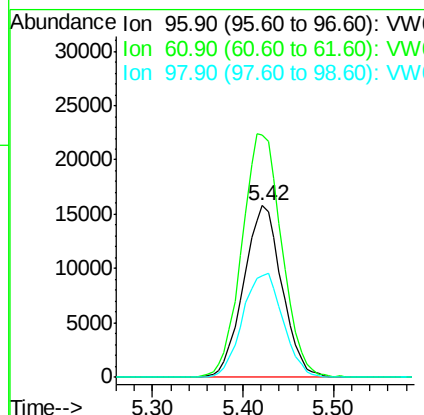
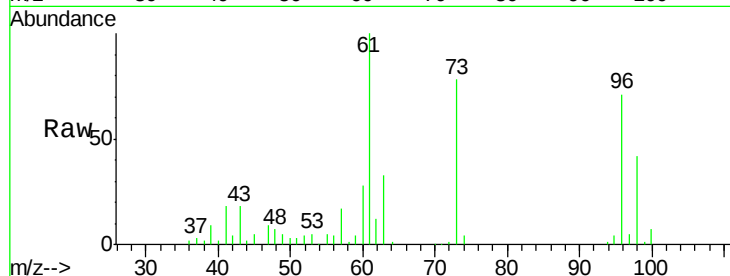
ClientSampleId :

VW0708SBS01

Tot Ion:	96	Resp:	46164
Ion	Ratio	Lower	Upper
96	100		
61	141.5	118.1	177.1
98	59.1	52.6	78.8

Manual Integrations
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MMDadoda
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#22

Diisopropyl ether

Concen: 20.415 ug/l

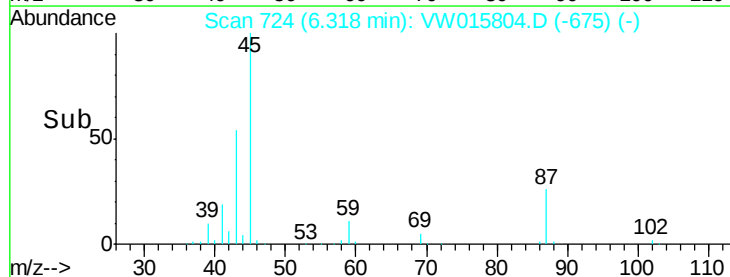
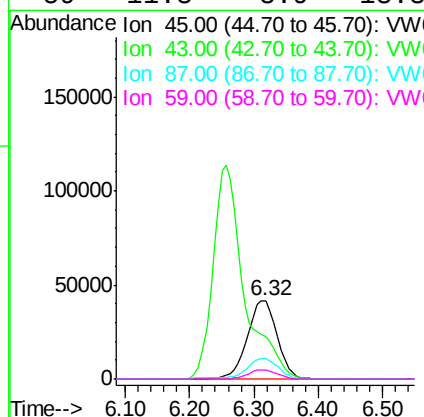
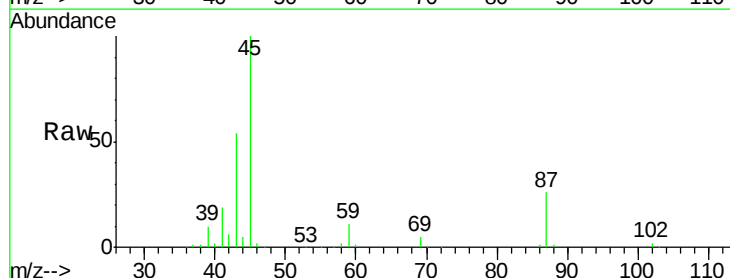
RT: 6.32 min Scan# 724

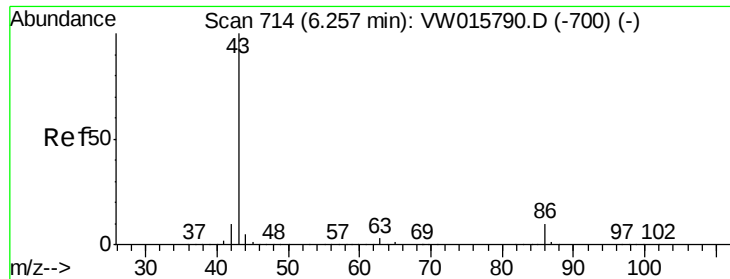
Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Tgt Ion:	45	Resp:	132968
Ion	Ratio	Lower	Upper
45	100		
43	53.5	43.8	65.6
87	26.5	22.1	33.1
59	11.3	8.9	13.3





#23

Vinyl Acetate

Concen: 99.170 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 43 Resp: 384197

Ion Ratio Lower Upper

43 100

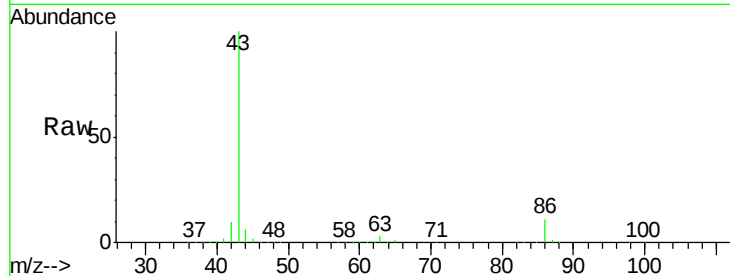
86 10.9 8.2 12.4

Manual Integrations

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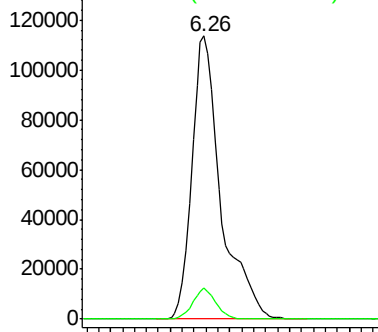
MMDadoda

7/9/2020 10:47:28 AM

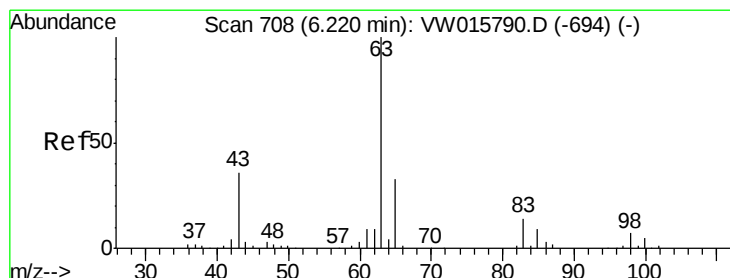
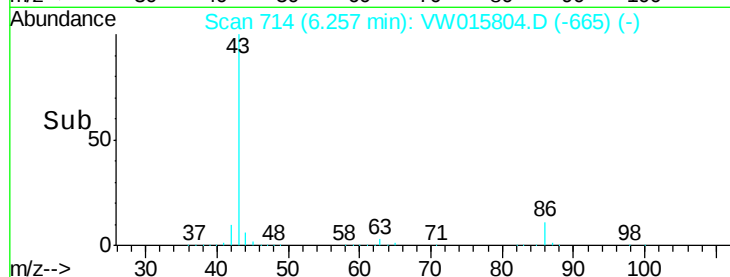


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 20.495 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

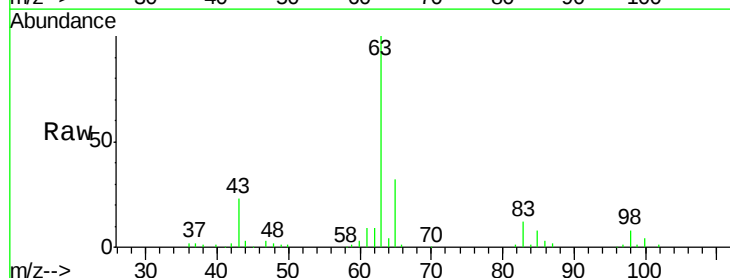
Tgt Ion: 63 Resp: 84519

Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.2

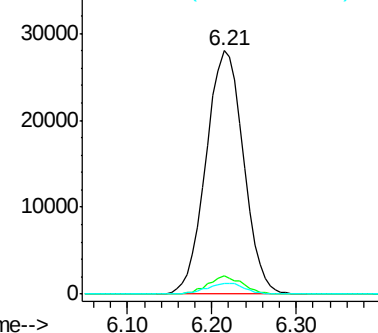
100 4.4 2.4 7.1



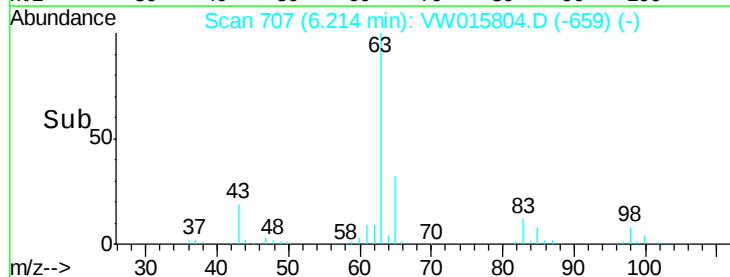
Abundance Ion 62.90 (62.60 to 63.60): VW

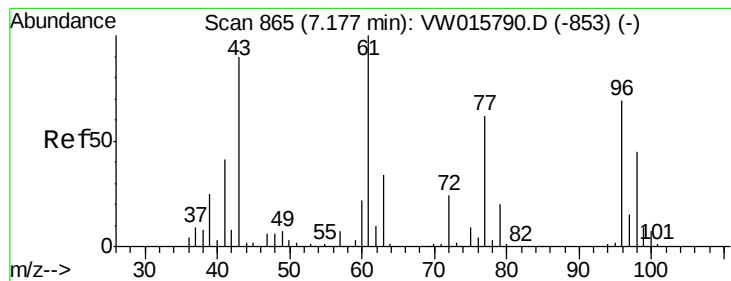
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





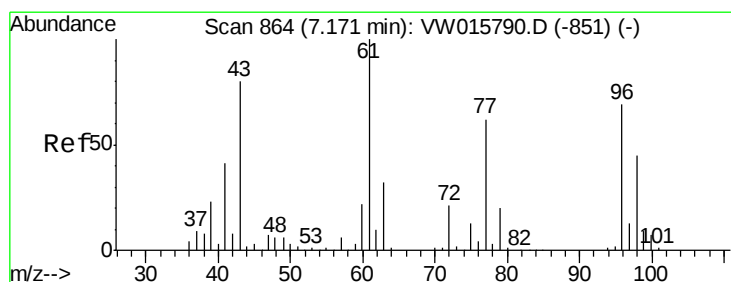
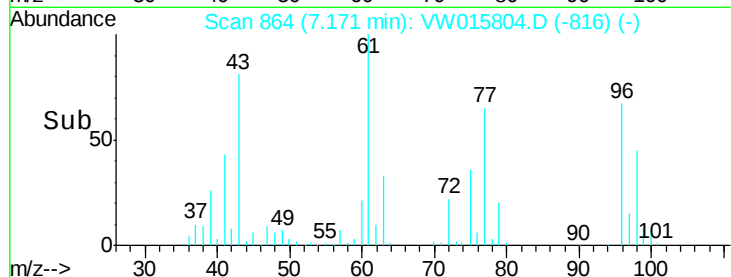
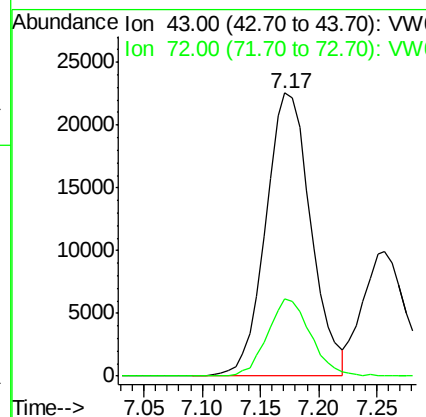
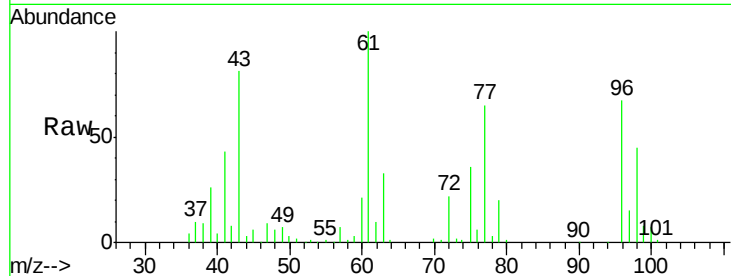
#25
2-Butanone
Concen: 105.837 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampled :
VW0708SBS01

Tot Ion: 43 Resp: 60262
Ion Ratio Lower Upper
43 100
72 27.2 21.3 31.9

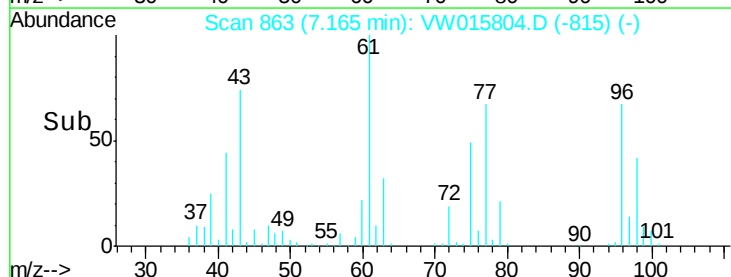
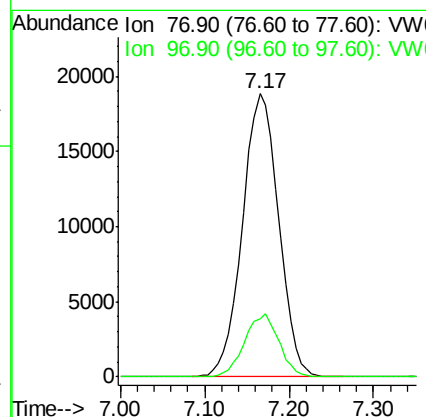
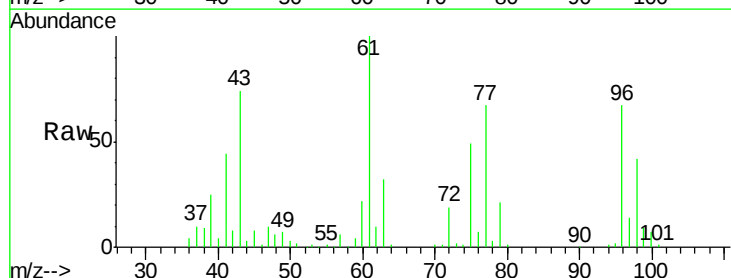
Manual Integrations
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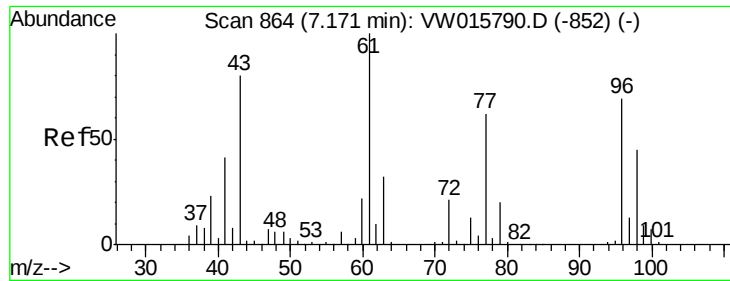
MMDadoda
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#26
2,2-Dichloropropane
Concen: 21.200 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion: 77 Resp: 54846
Ion Ratio Lower Upper
77 100
97 20.9 11.0 33.0





#27

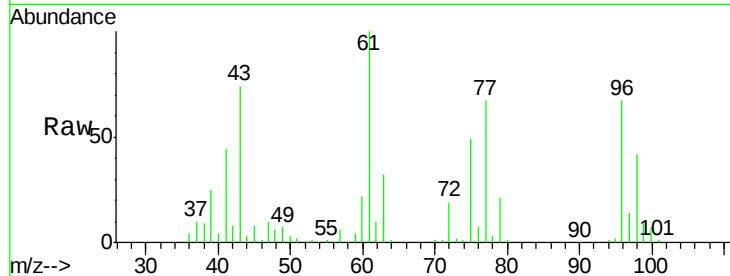
cis-1,2-Dichloroethene
Concen: 19.913 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

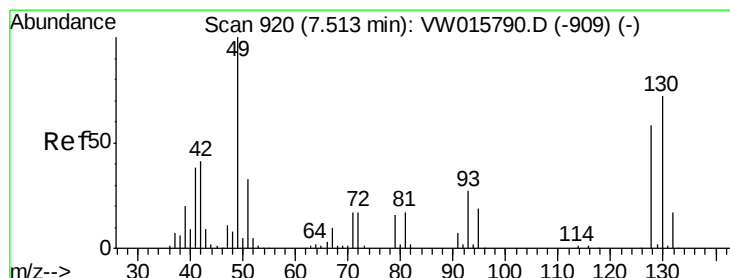
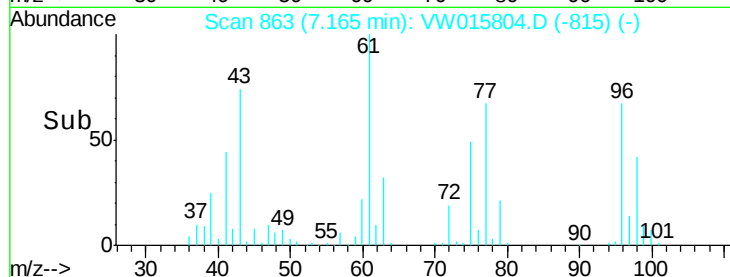
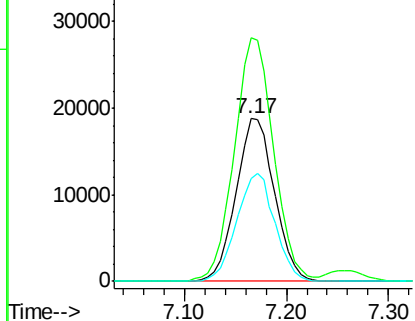
Tot Ion	Ratio	Resp	Lower	Upper
96	100	49250		
61	152.5	0.0	292.2	
98	65.7	0.0	129.0	

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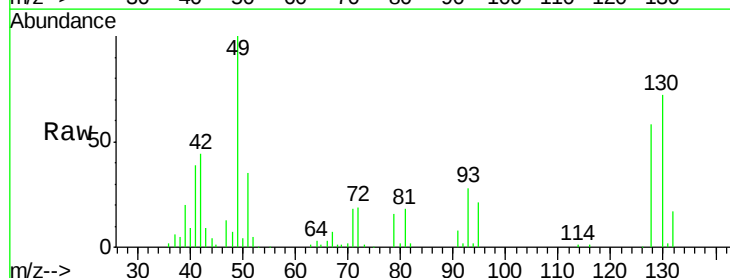
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



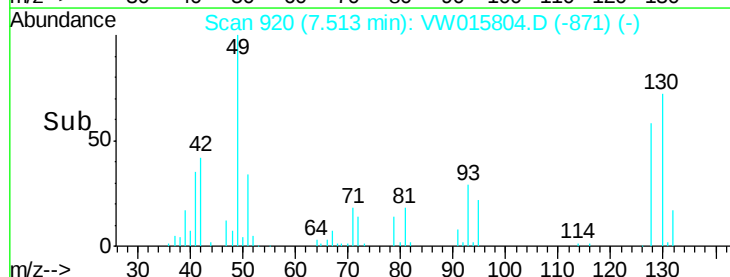
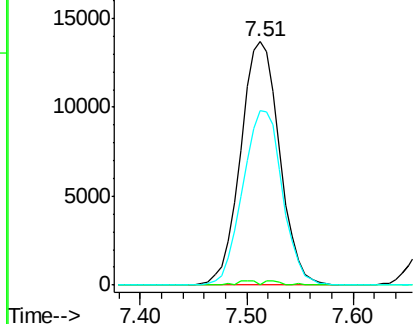
#28

Bromochloromethane
Concen: 21.470 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	35100		
129	0.7	0.0	2.6	
130	73.1	59.5	89.3	



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





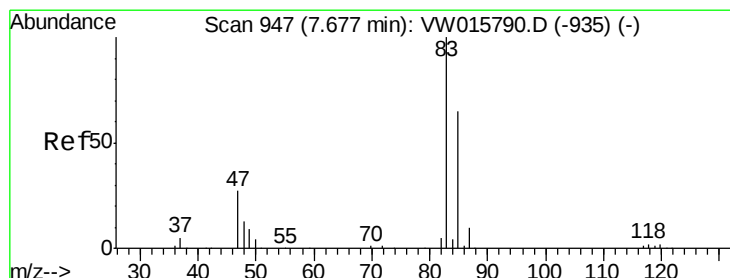
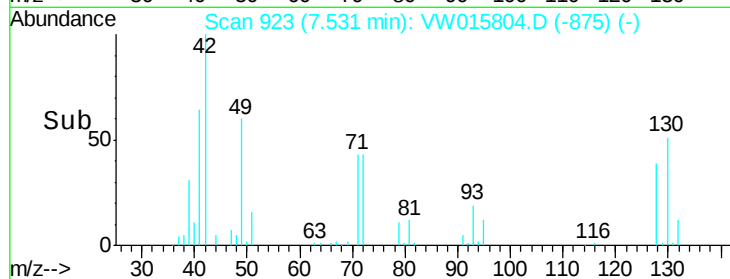
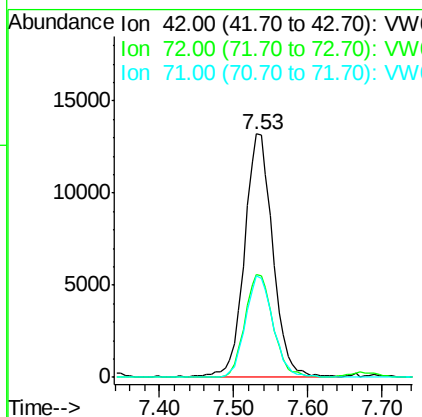
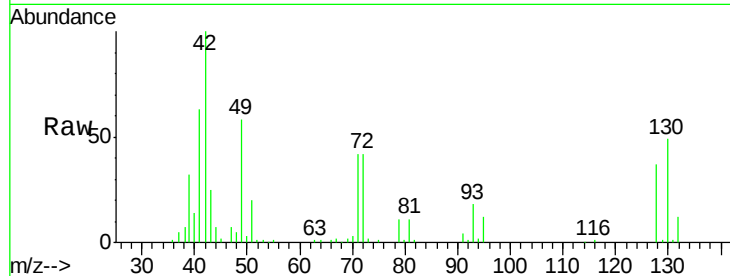
#29
Tetrahydrofuran
Concen: 102.136 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.6	51.8
71	40.5	32.8	49.2

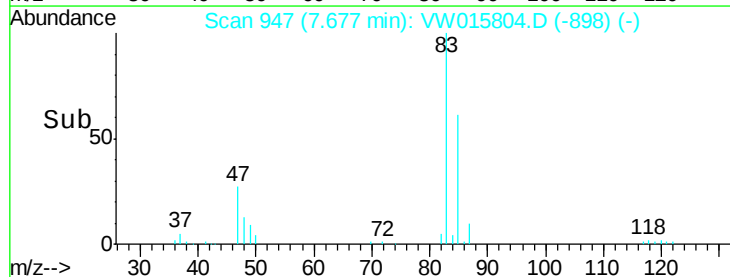
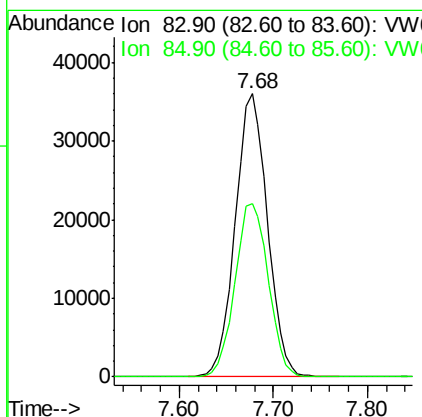
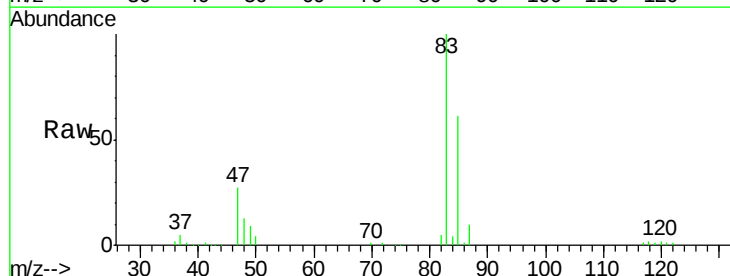
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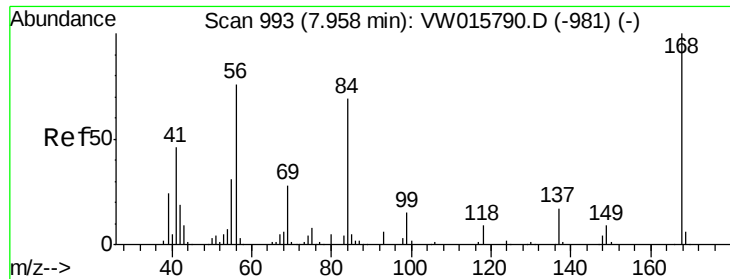
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#30
Chloroform
Concen: 20.276 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.6	77.4





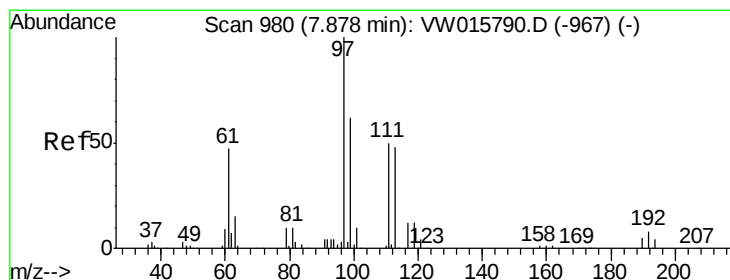
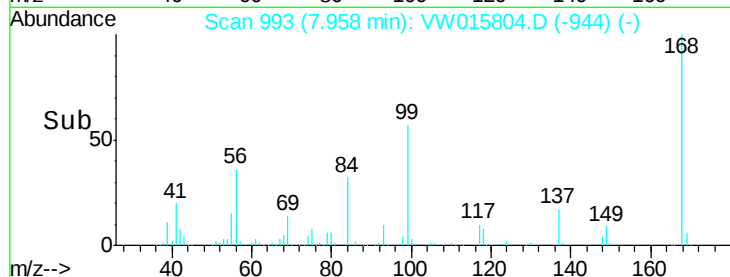
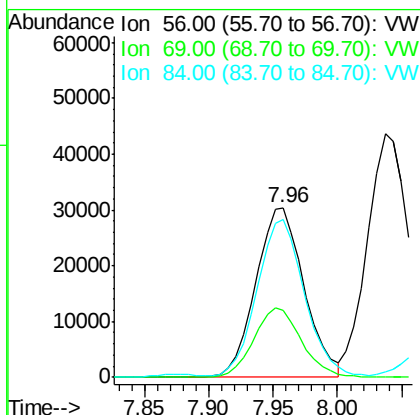
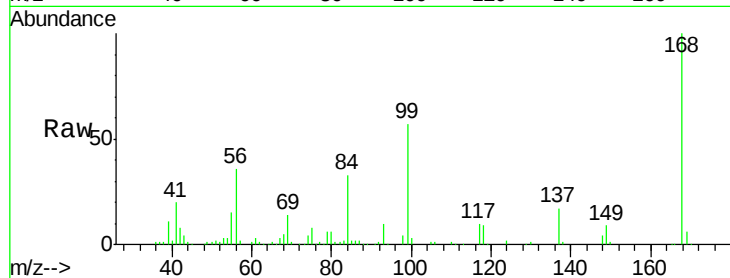
#31
Cyclohexane
Concen: 20.384 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion:	56	Resp:	79114
Ion Ratio	Lower	Upper	
56	100		
69	39.5	28.9	43.3
84	91.6	72.2	108.4

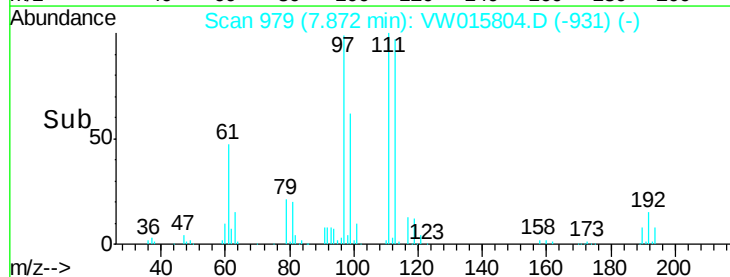
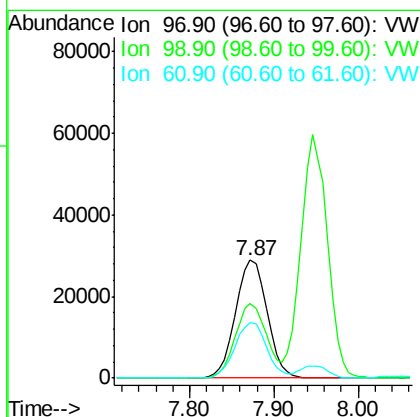
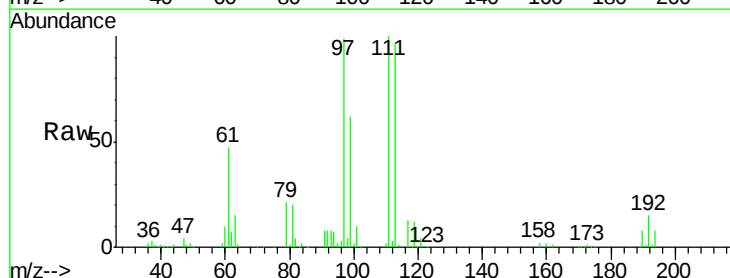
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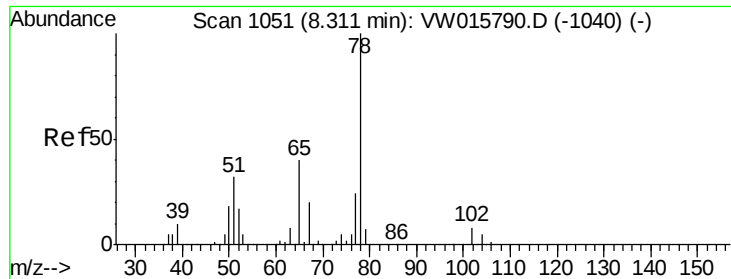
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#32
1,1,1-Trichloroethane
Concen: 20.779 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion:	97	Resp:	73449
Ion Ratio	Lower	Upper	
97	100		
99	63.1	51.0	76.4
61	47.2	38.6	57.8





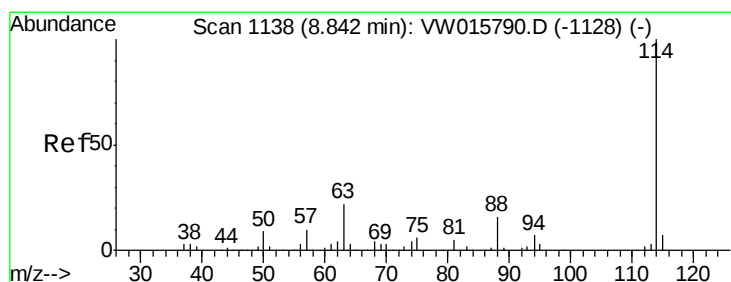
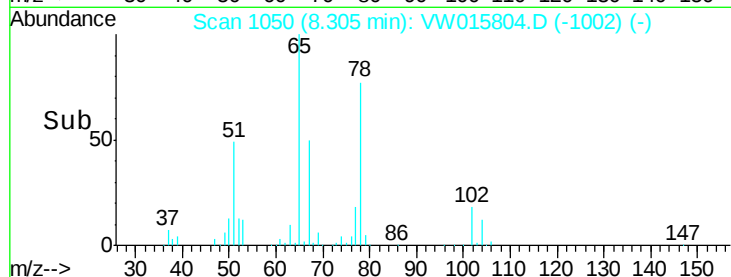
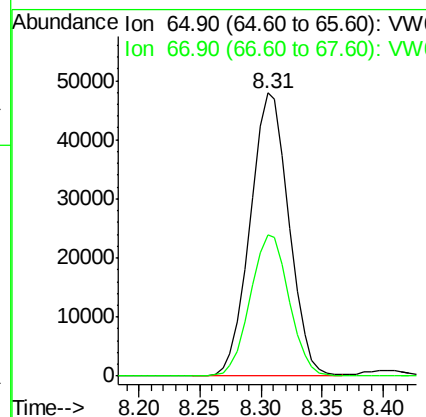
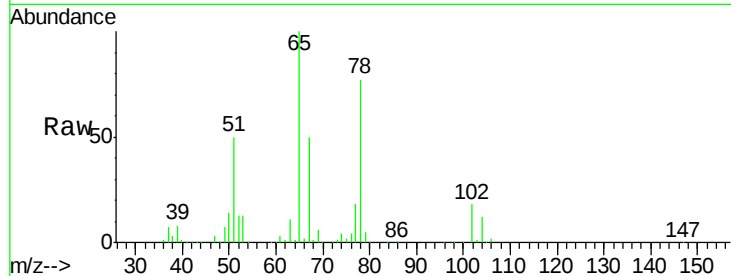
#33
 1,2-Dichloroethane-d4
 Concen: 47.115 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.2	0.0	101.4	

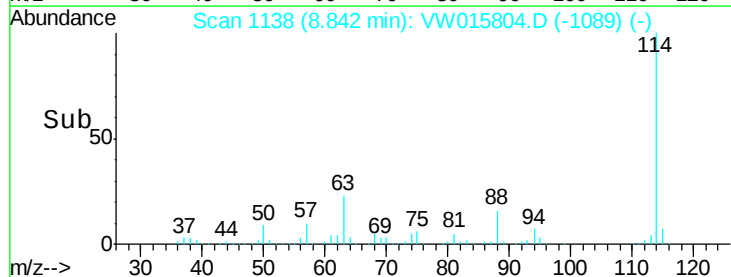
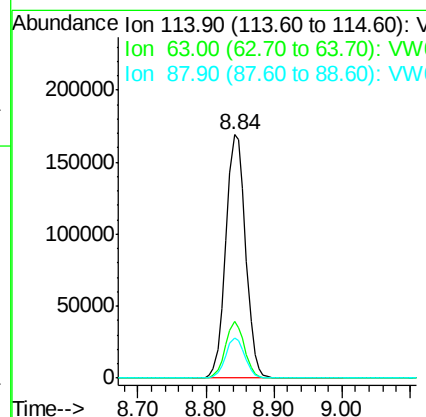
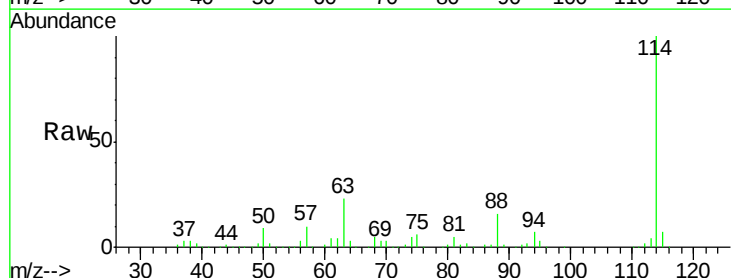
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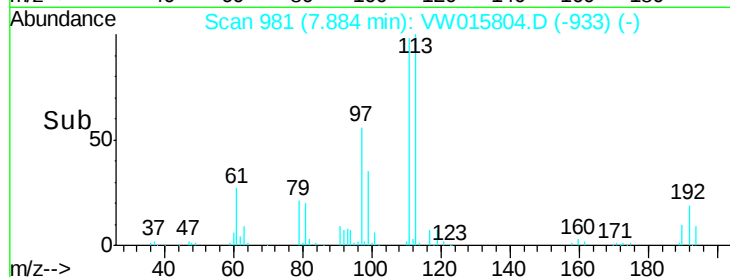
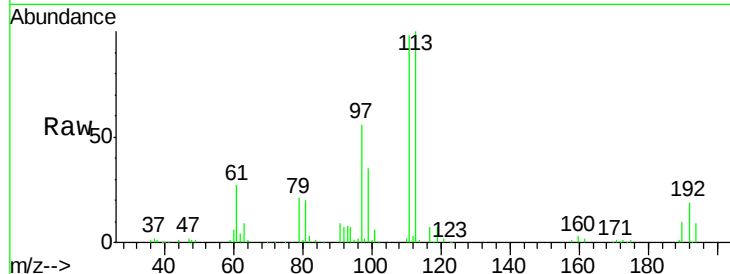
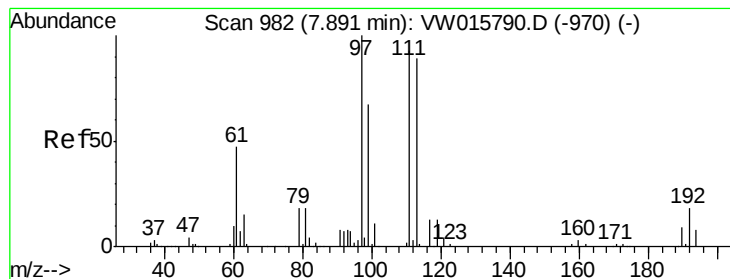
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.3	0.0	44.4	
88	16.2	0.0	32.6	





#35

Dibromofluoromethane

Concen: 47.835 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW015804.D

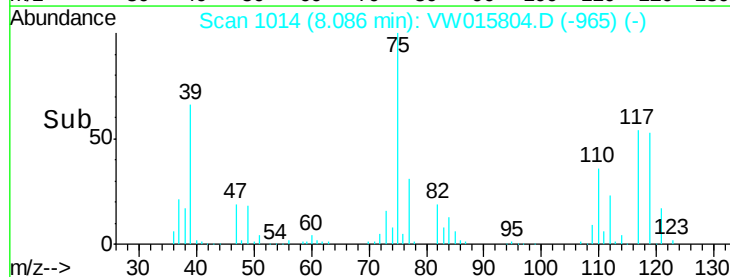
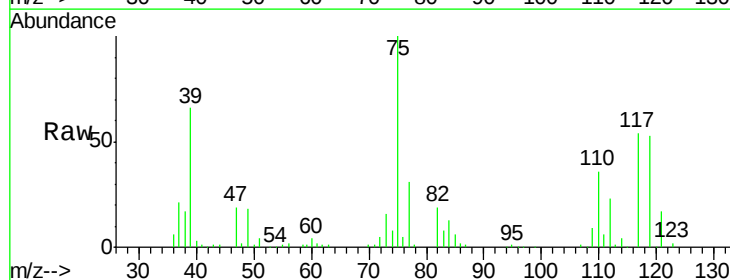
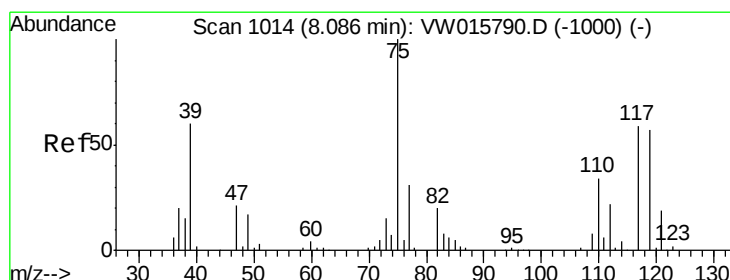
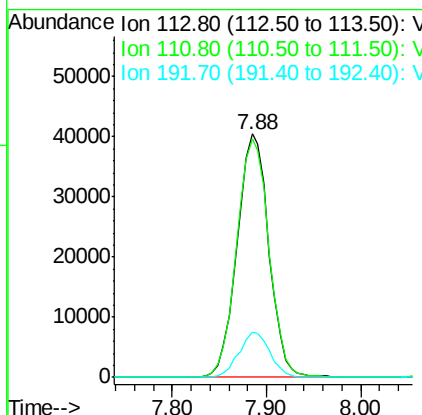
Acq: 08 Jul 2020 12:33

Tot Ion:	113	Resp:	95101
Ion	Ratio	Lower	Upper
113	100		
111	99.9	82.8	124.2
192	18.3	15.4	23.2

Instrument :
MSVOA_W
ClientSampled :
VW0708SBS01

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#36

1,1-Dichloropropene

Concen: 20.838 ug/l

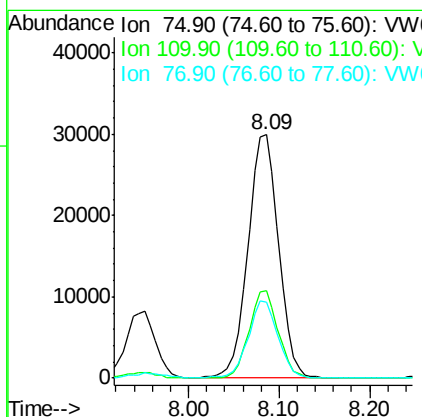
RT: 8.09 min Scan# 1014

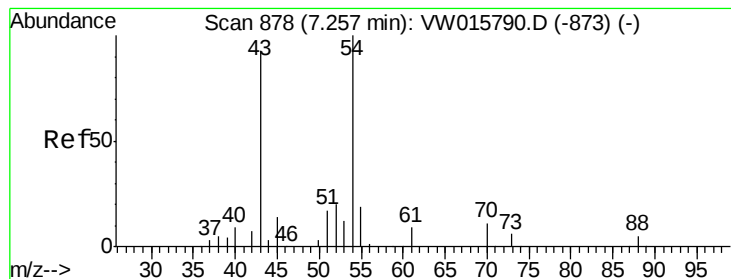
Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Tgt Ion:	75	Resp:	69999
Ion	Ratio	Lower	Upper
75	100		
110	33.9	16.8	50.3
77	31.0	24.7	37.1





#37

Ethyl Acetate

Concen: 19.567 ug/l

RT: 7.26 min Scan# 878

Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

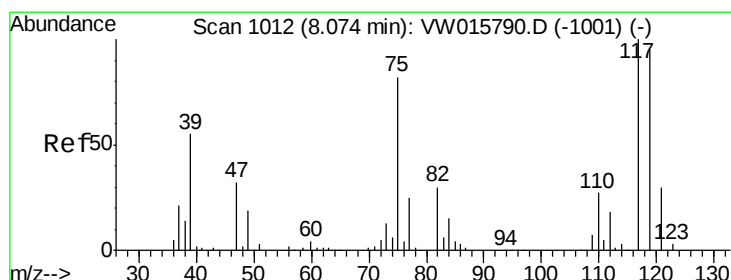
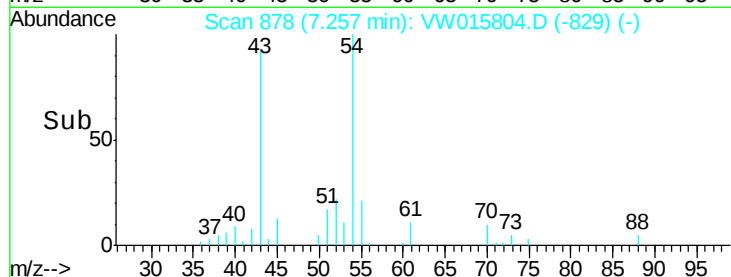
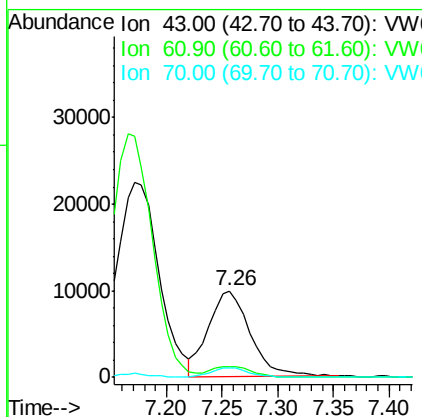
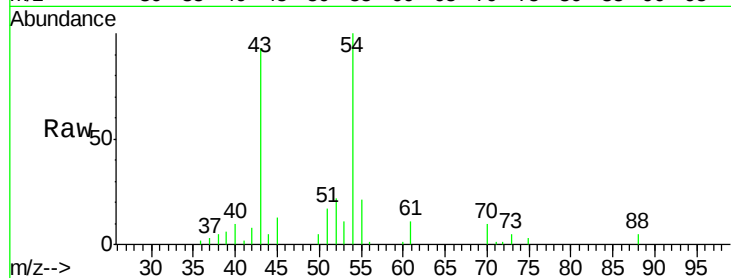
ClientSampled :

VW0708SBS01

Tot Ion:	43	Resp:	25539
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	10.8	8.4	12.6

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#38

Carbon Tetrachloride

Concen: 20.353 ug/l

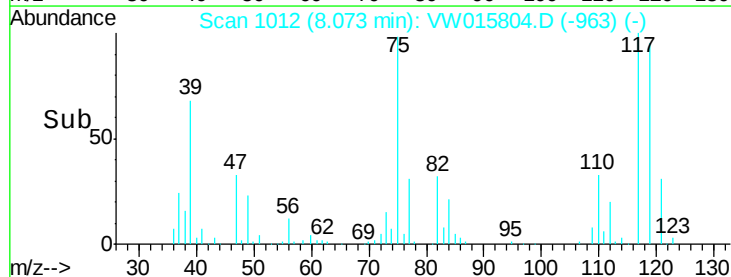
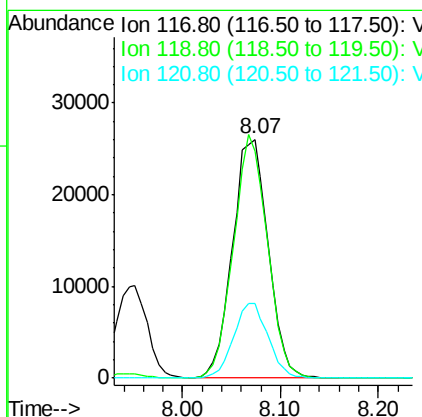
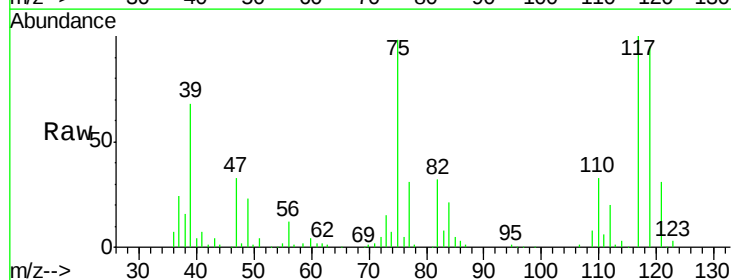
RT: 8.07 min Scan# 1012

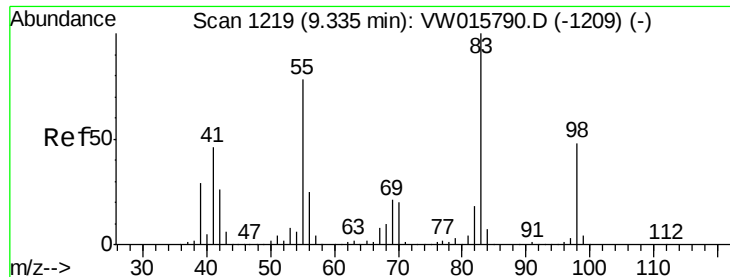
Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Tgt Ion:	117	Resp:	66155
Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.3	114.5
121	31.2	24.0	36.0





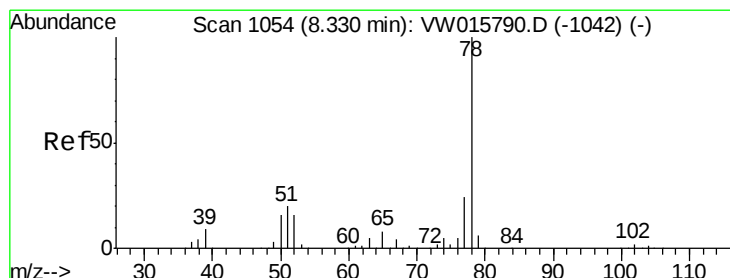
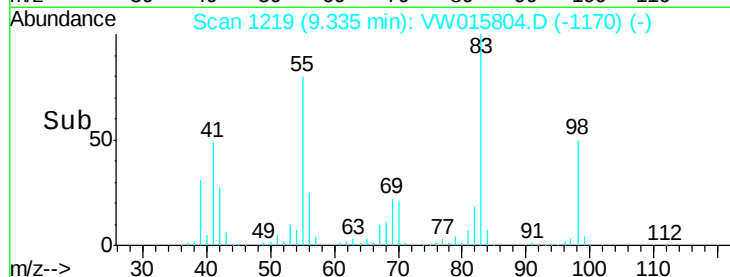
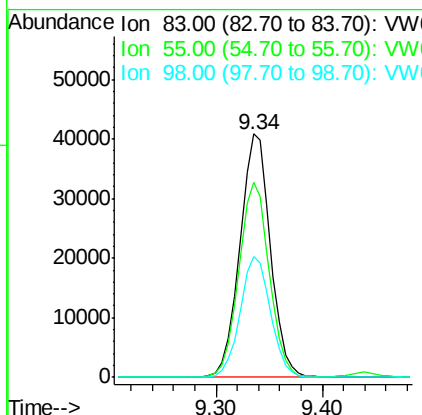
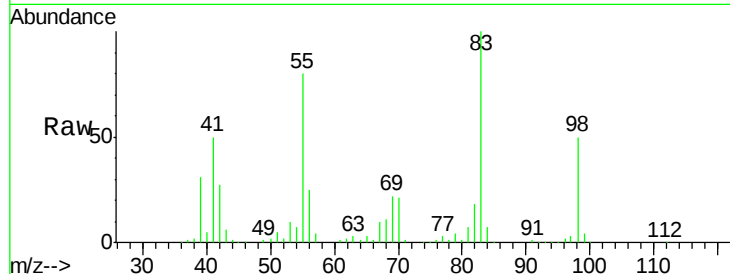
#39
Methvlcvclohexane
Concen: 20.759 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampled :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	62.6	94.0
98	49.6	38.6	58.0

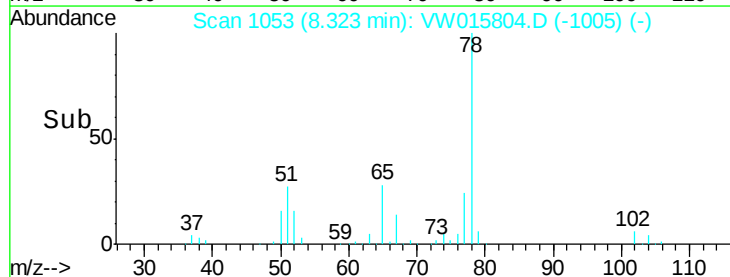
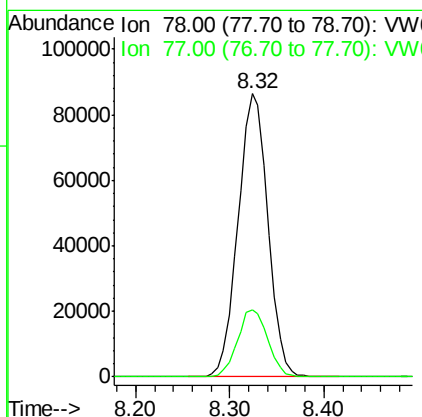
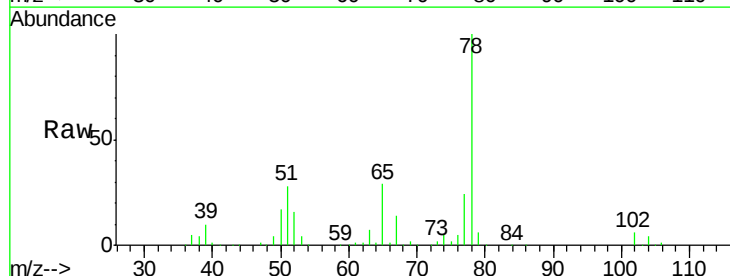
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#40
Benzene
Concen: 20.748 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





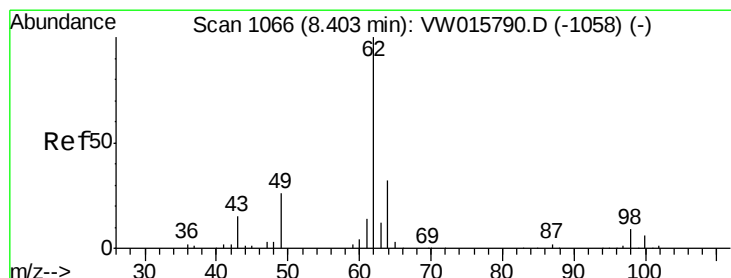
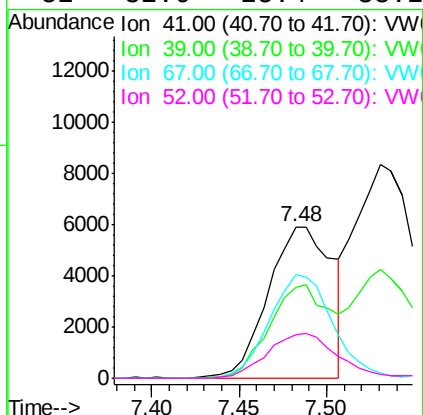
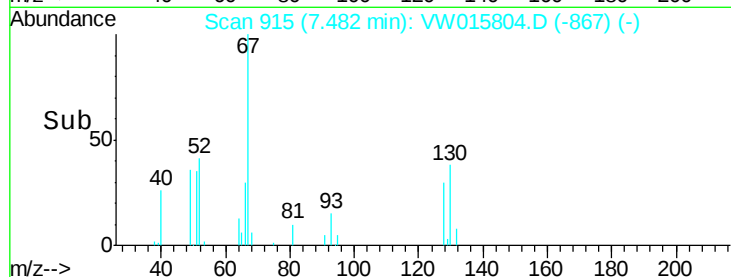
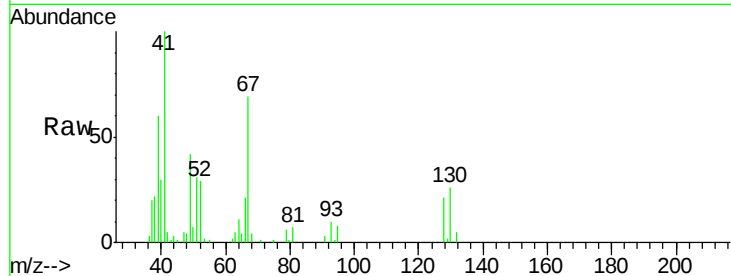
#41
Methacrylonitrile
Concen: 20.318 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		15056		
39	58.7	44.6	66.8		
67	68.3	56.4	84.6		
52	32.6	25.4	38.2		

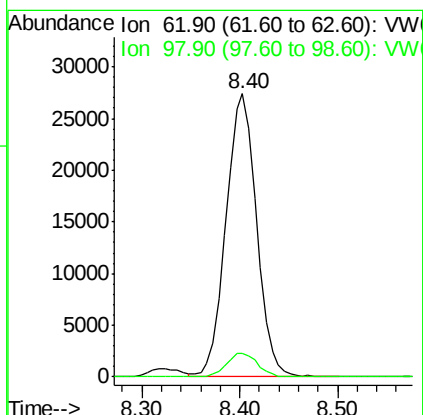
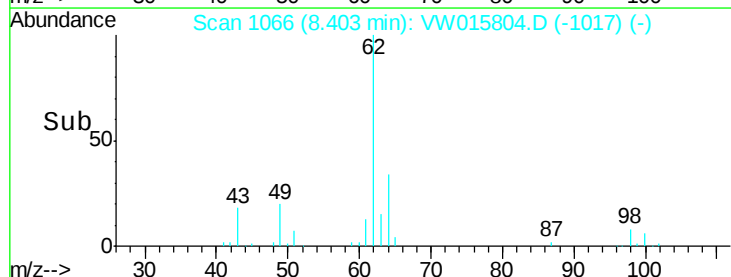
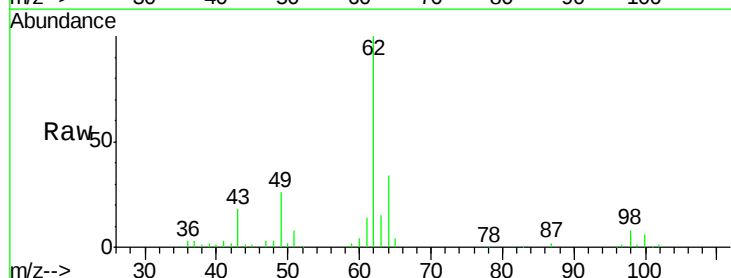
Manual Integrations
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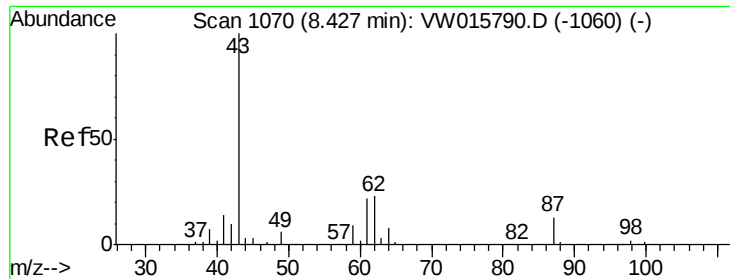
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#42
1,2-Dichloroethane
Concen: 20.689 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		59249		
98	8.5	0.0	17.2		





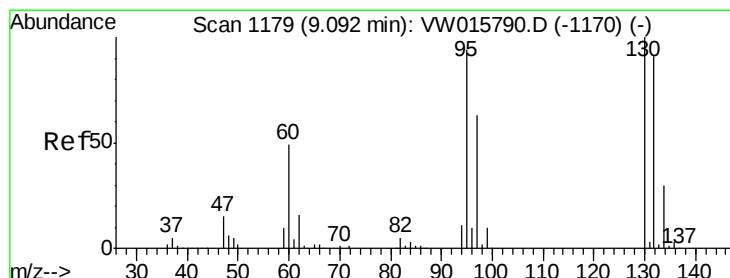
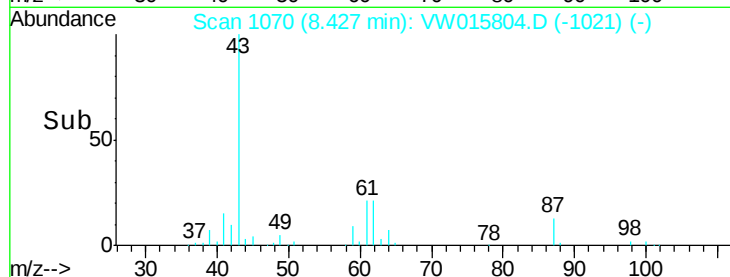
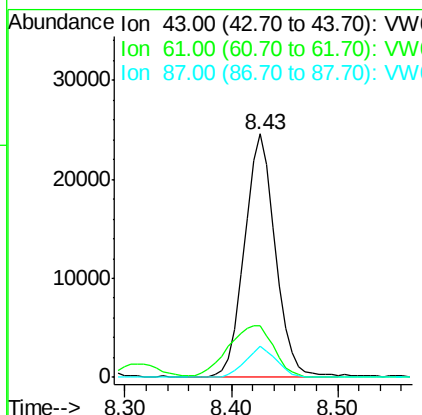
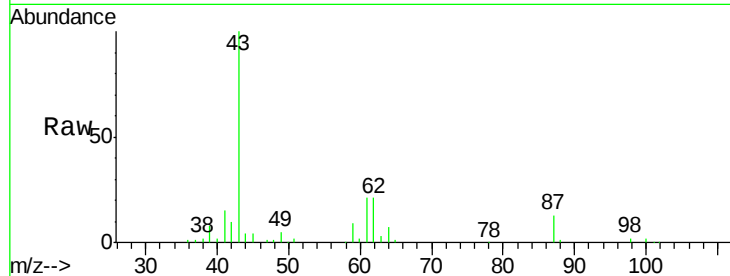
#43
Isopropyl Acetate
Concen: 19.717 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.8	37.2
87	12.5	10.4	15.6

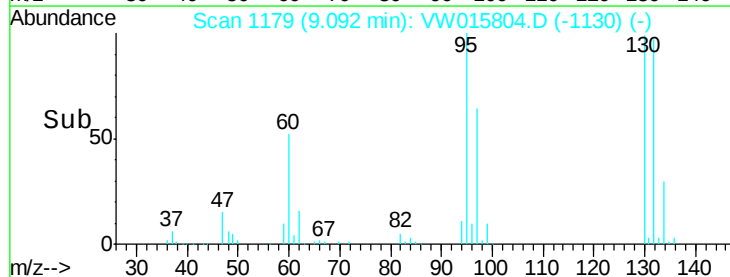
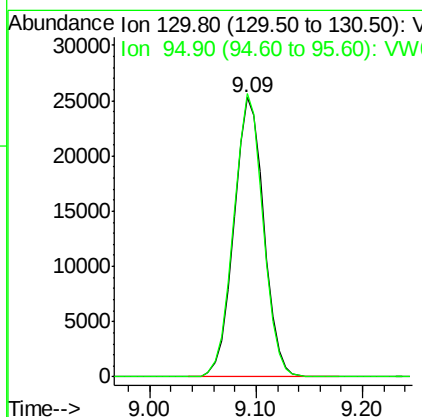
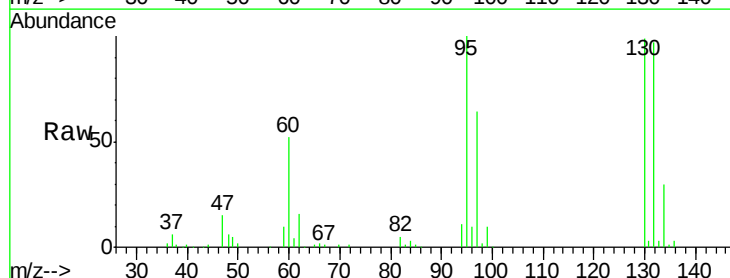
Manual Integrations
APPROVED

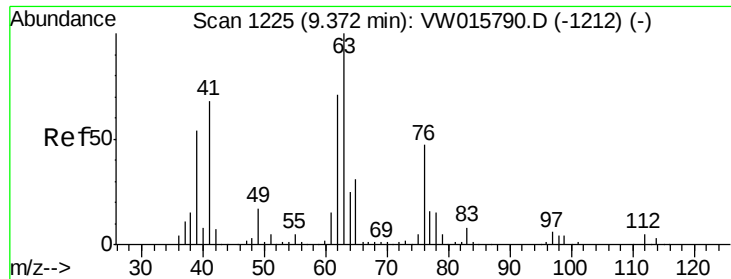
MMDadoda
7/9/2020 10:47:28 AM



#44
Trichloroethene
Concen: 20.426 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	188.6





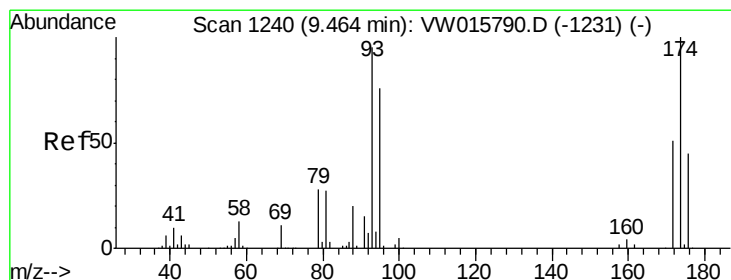
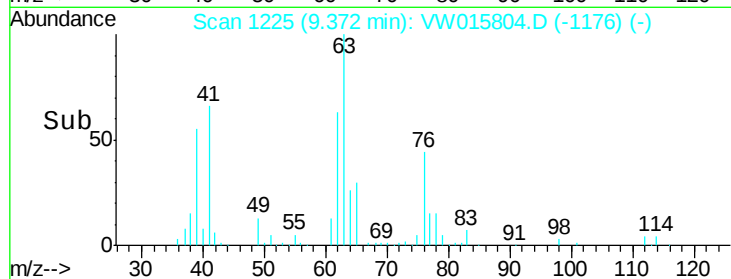
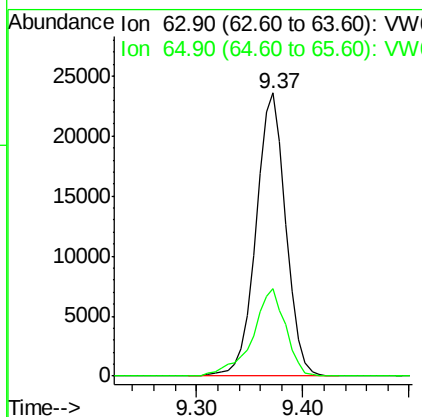
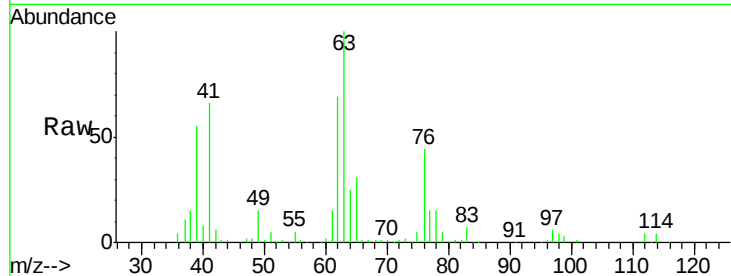
#45
 1,2-Dichloropropane
 Concen: 20.411 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Instrument :
 MSVOA_W
 ClientSampled :
 VW0708SBS01

Tot Ion: 63 Resp: 46165
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.5 36.7

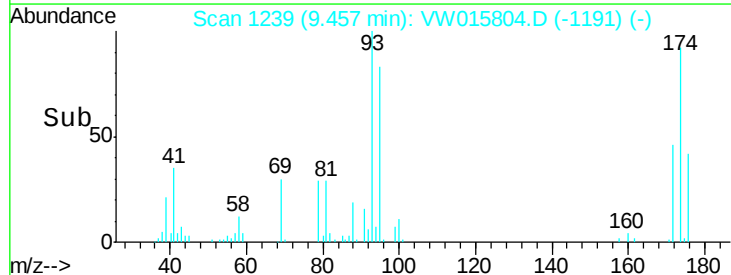
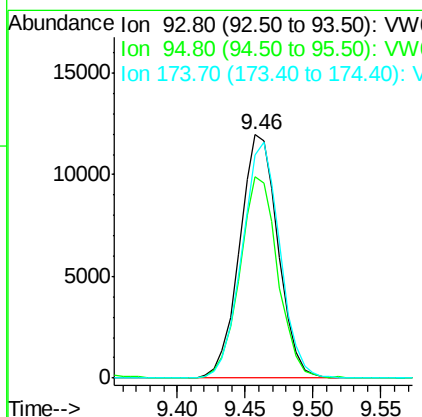
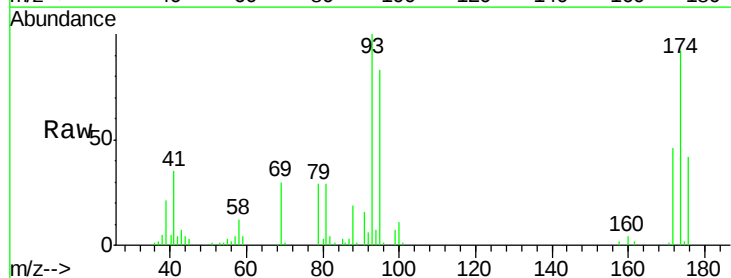
Manual Integrations
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MMDadoda
 7/9/2020 10:47:28 AM



#46
 Dibromomethane
 Concen: 20.287 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Tgt Ion: 93 Resp: 23623
 Ion Ratio Lower Upper
 93 100
 95 81.9 66.0 99.0
 174 95.5 78.7 118.1





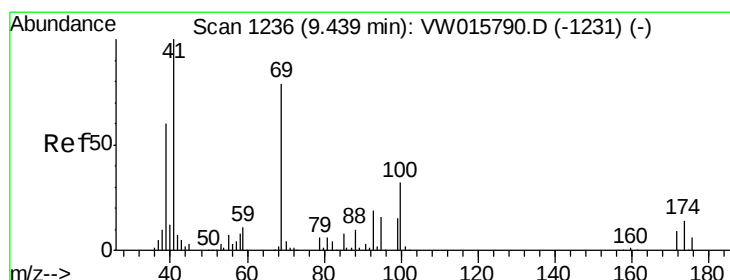
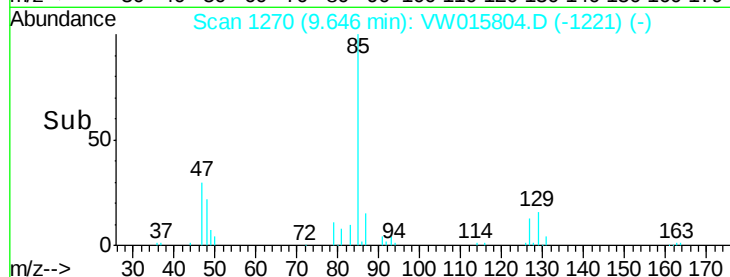
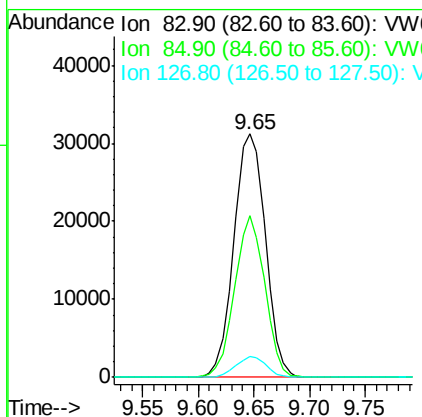
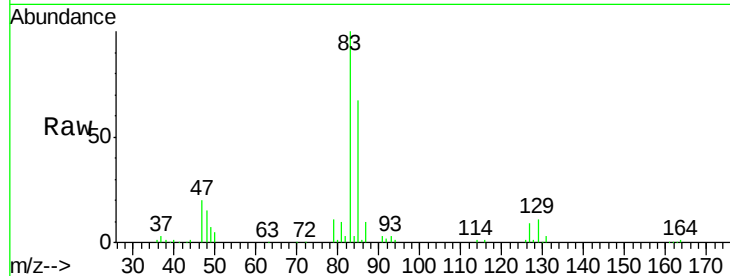
#47
Bromodichloromethane
Concen: 20.366 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	83	Resp	61339
Ion Ratio	100	Lower	Upper
83	100		
85	66.6	50.6	76.0
127	8.5	6.2	9.2

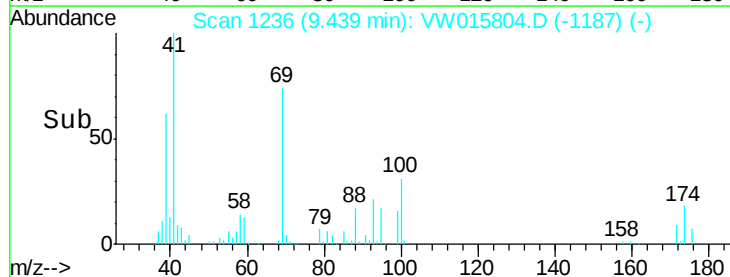
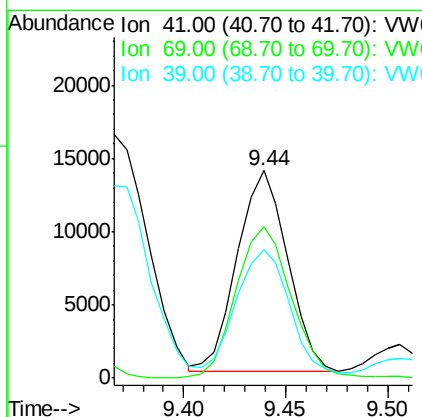
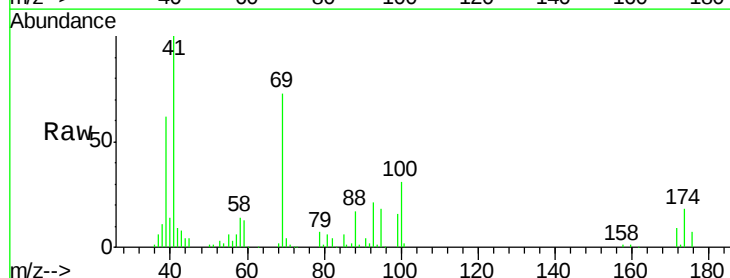
Manual Integrations
APPROVED

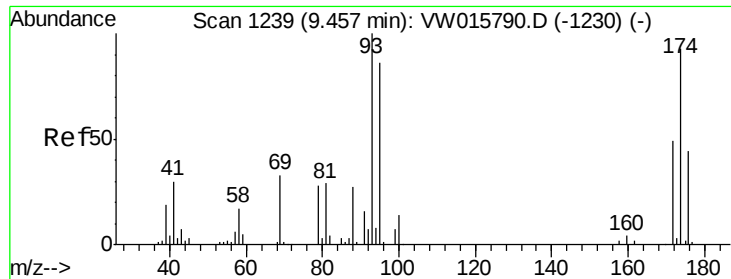
MMDadoda
7/9/2020 10:47:28 AM



#48
Methyl methacrylate
Concen: 20.120 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	41	Resp	23493
Ion Ratio	100	Lower	Upper
41	100		
69	83.6	67.1	100.7
39	68.8	49.9	74.9





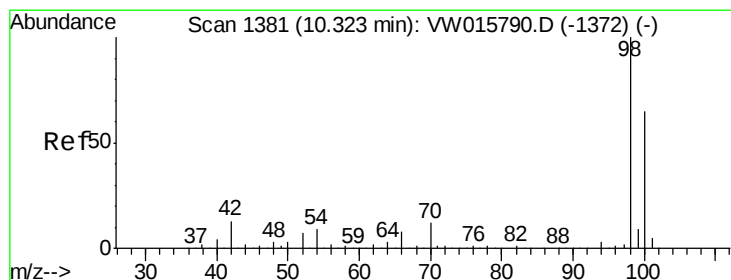
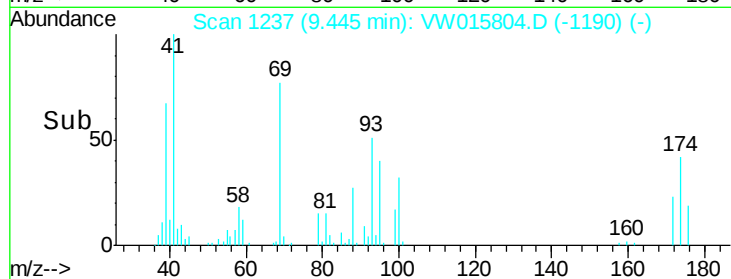
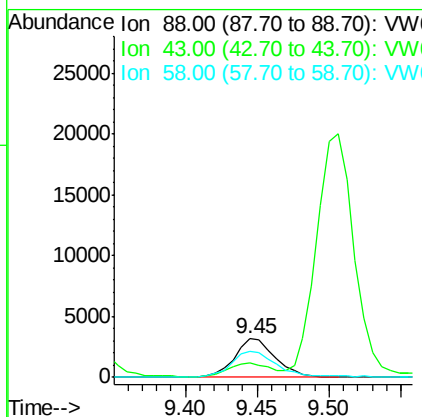
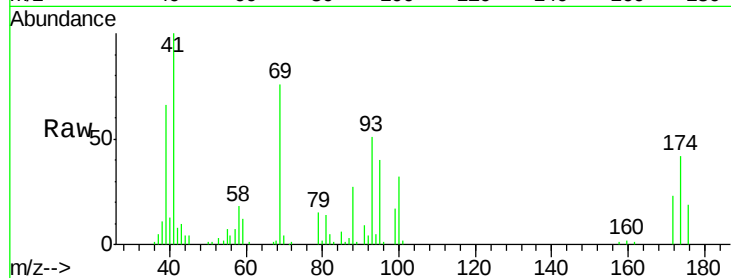
#49
1,4-Dioxane
Concen: 431.298 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	28.1	42.1
58	72.7	59.3	88.9

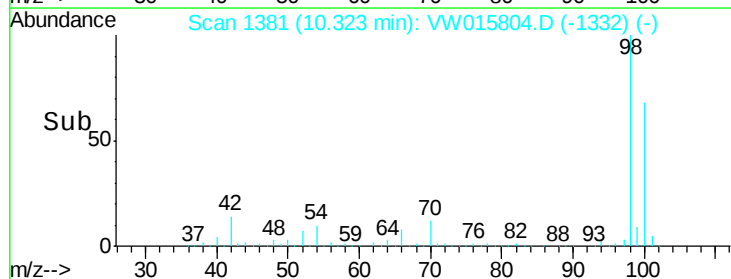
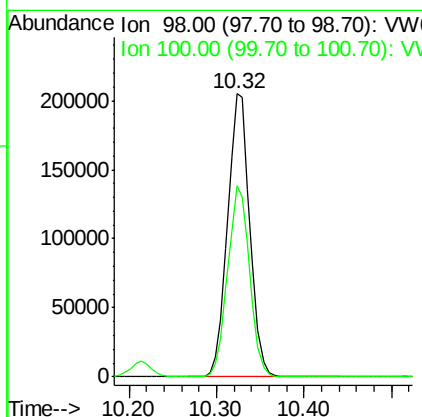
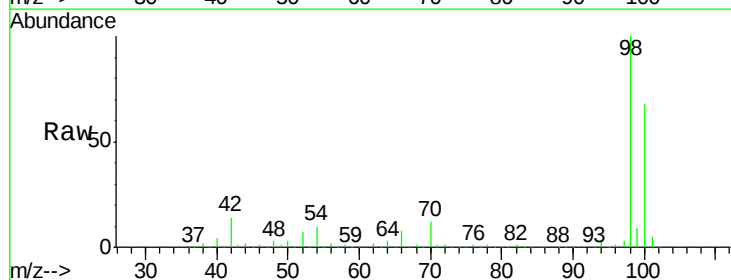
Manual Integrations
APPROVED

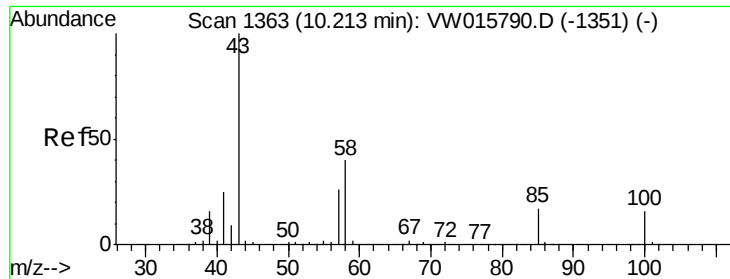
MMDadoda
7/9/2020 10:47:28 AM



#50
Toluene-d8
Concen: 47.189 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 100.345 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 43 Resp: 124752

Ion Ratio Lower Upper

43 100

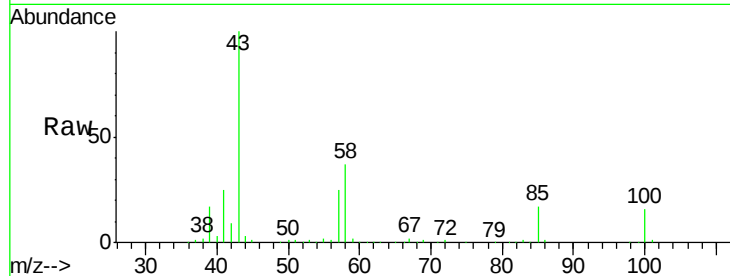
58 37.8 30.9 46.3

Manual Integrations

APPROVED

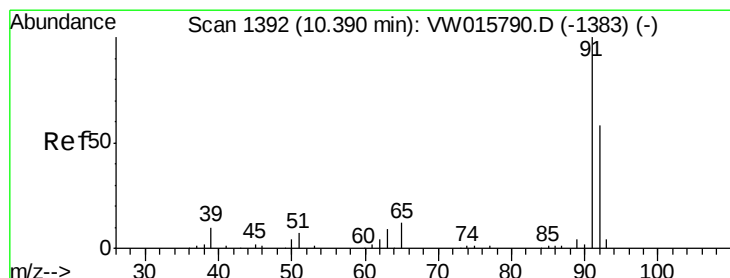
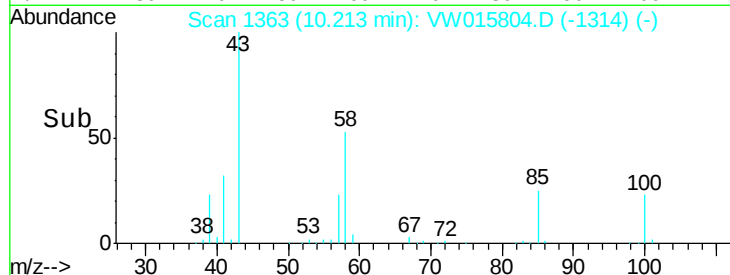
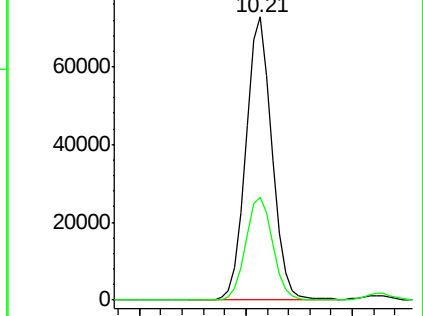
MMDadoda

7/9/2020 10:47:28 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.684 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015804.D

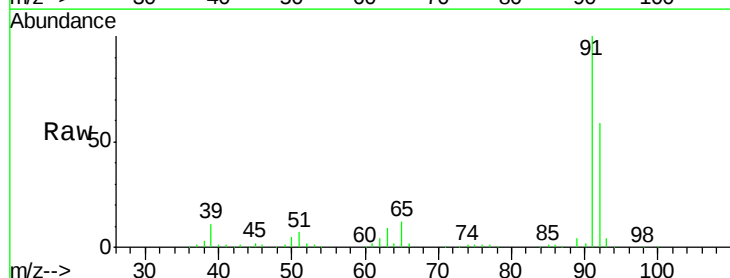
Acq: 08 Jul 2020 12:33

Tgt Ion: 92 Resp: 122480

Ion Ratio Lower Upper

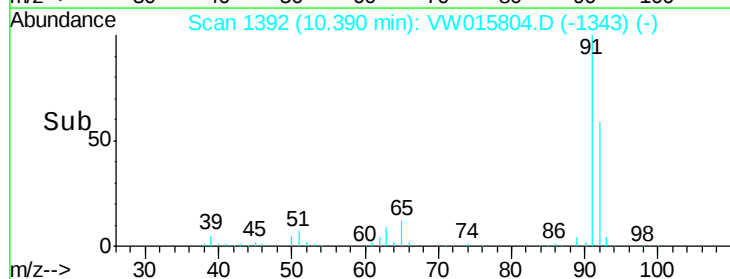
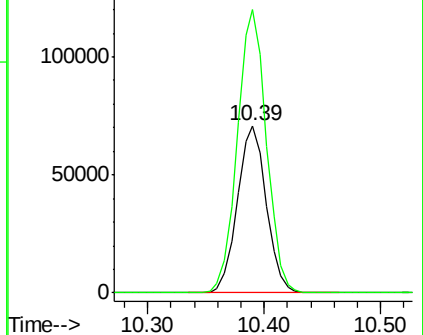
92 100

91 170.2 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





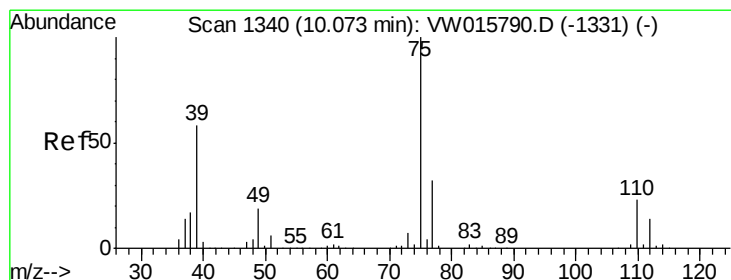
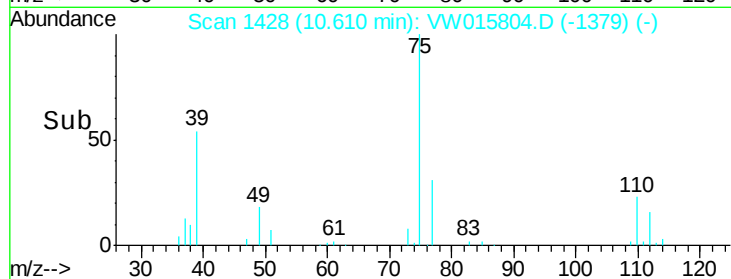
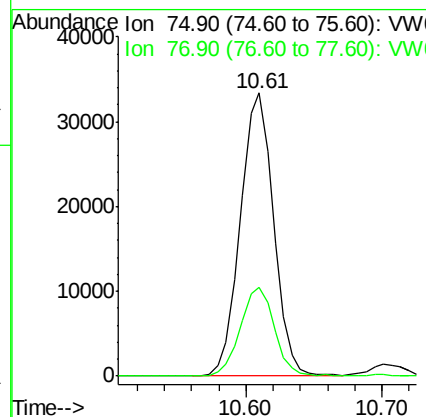
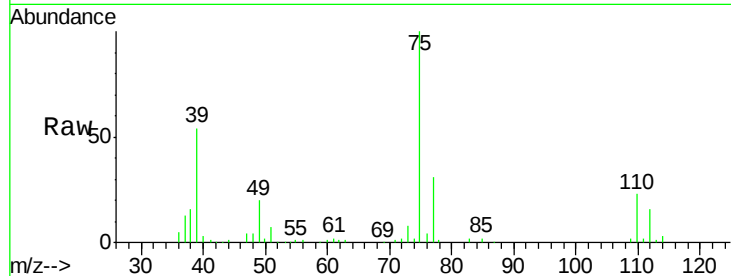
#53
t-1,3-Dichloropropene
Concen: 19.705 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion: 75 Resp: 56945
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0

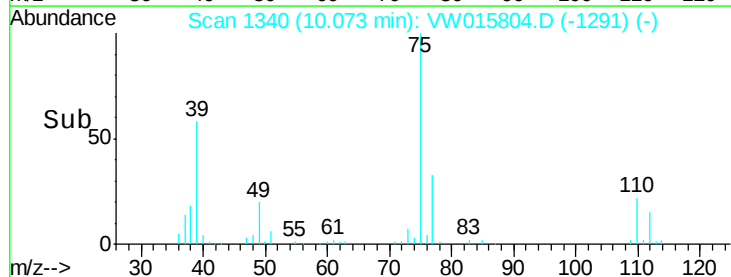
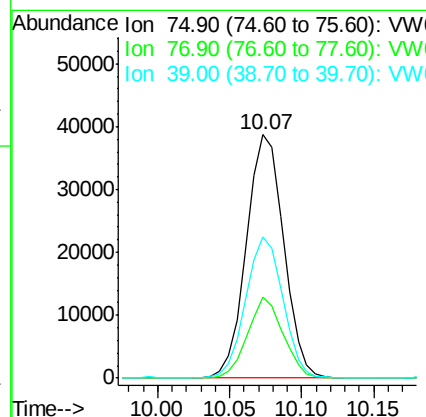
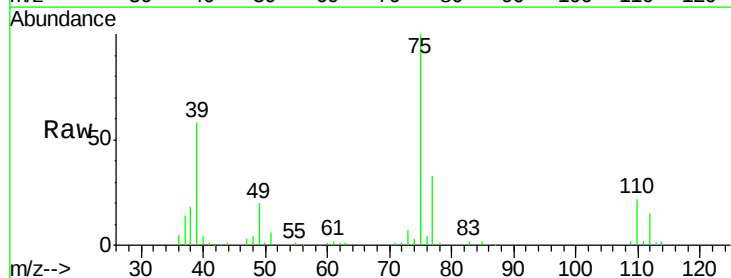
Manual Integrations
APPROVED

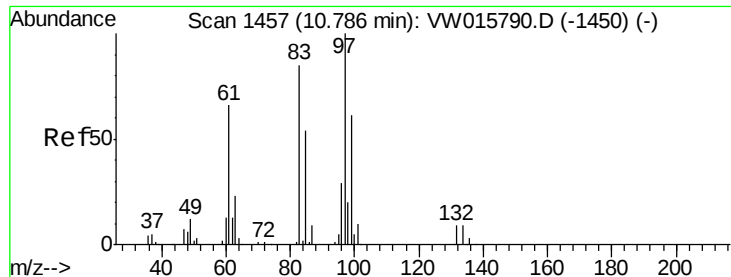
MMDadoda
7/9/2020 10:47:28 AM



#54
cis-1,3-Dichloropropene
Concen: 20.091 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion: 75 Resp: 69449
Ion Ratio Lower Upper
75 100
77 33.4 25.2 37.8
39 58.1 46.0 69.0





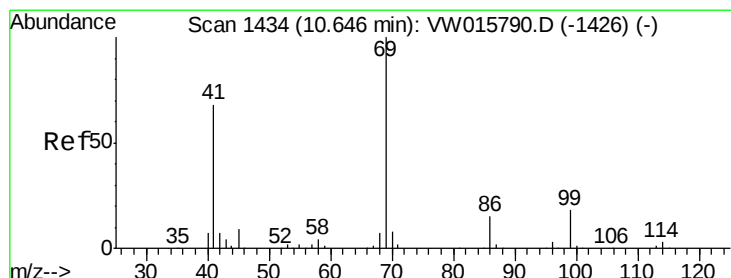
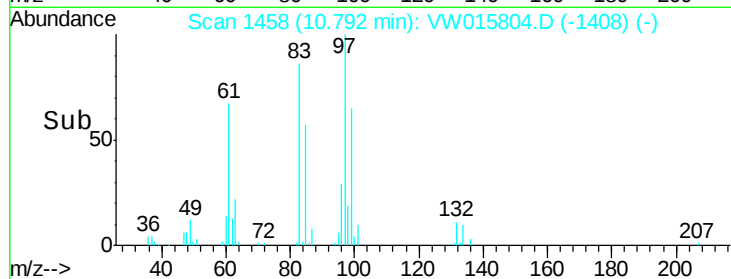
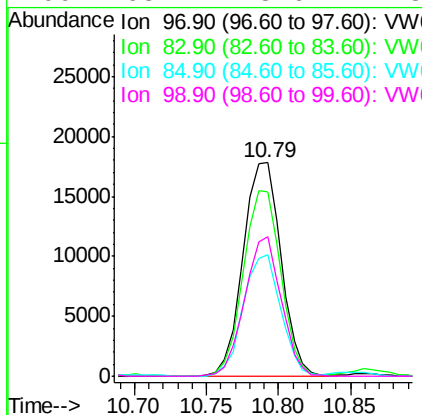
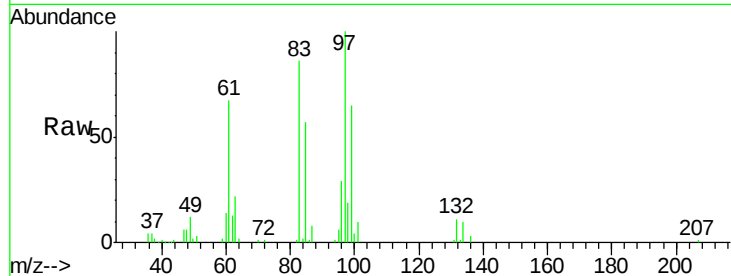
#55
 1,1,2-Trichloroethane
 Concen: 20.171 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	97	Resp	32569
Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.2	102.4
85	56.8	43.4	65.0
99	65.2	48.6	72.8

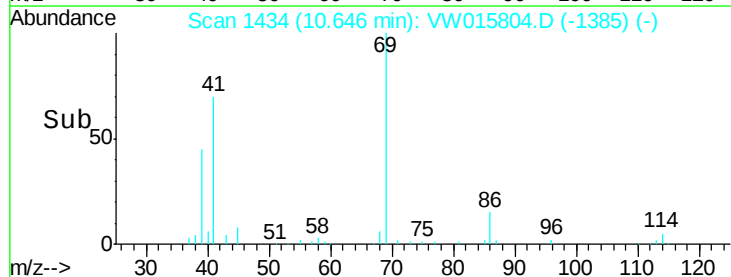
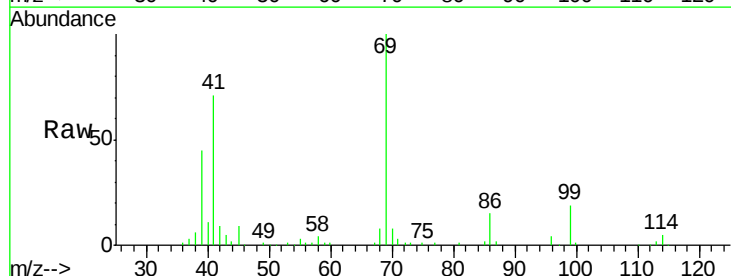
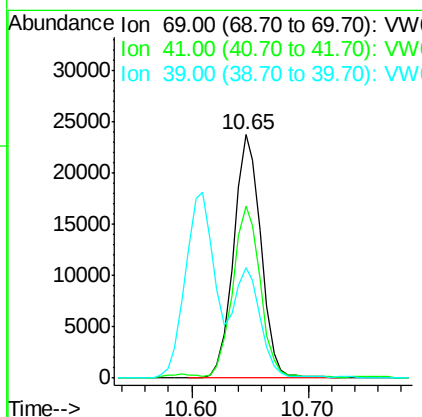
Manual Integrations
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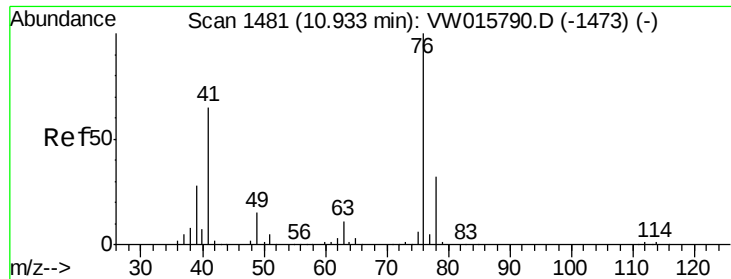
MMDadoda
 7/9/2020 10:47:28 AM



#56
 Ethyl methacrylate
 Concen: 19.530 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Tgt Ion	69	Resp	38768
Ion	Ratio	Lower	Upper
69	100		
41	71.3	55.0	82.6
39	44.3	33.8	50.8





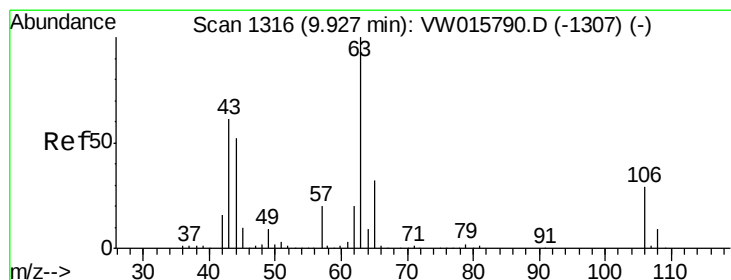
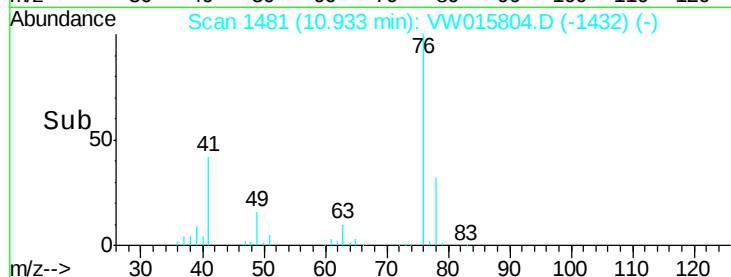
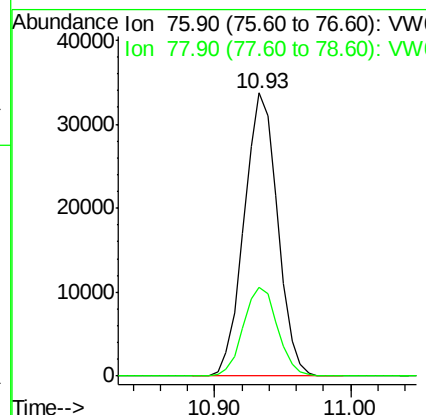
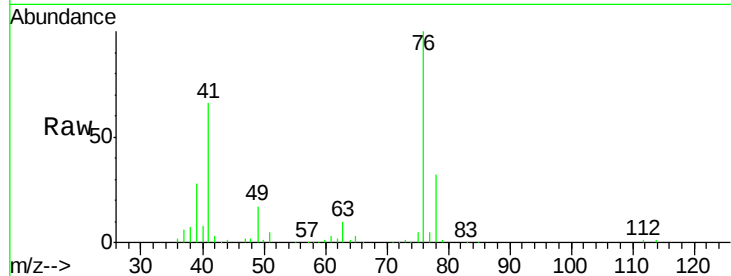
#57
 1,3-Dichloropropane
 Concen: 20.331 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

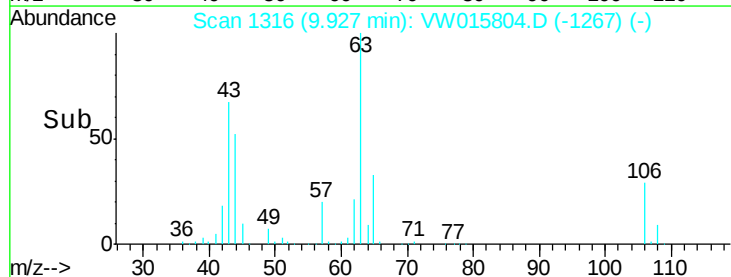
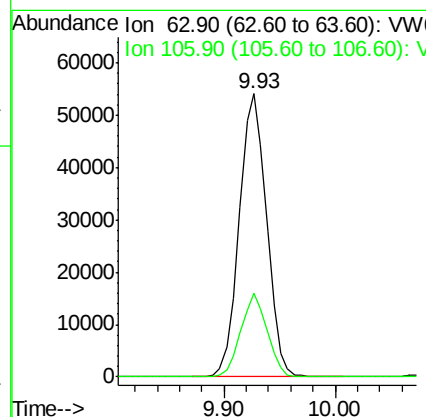
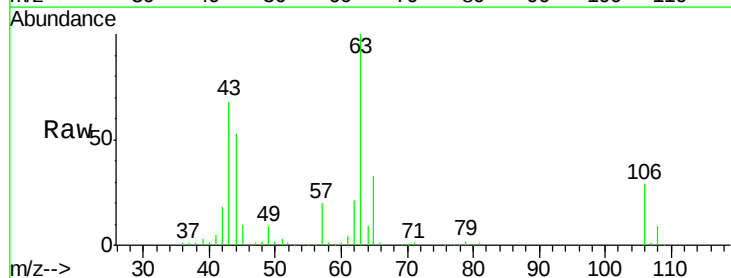
Manual Integrations
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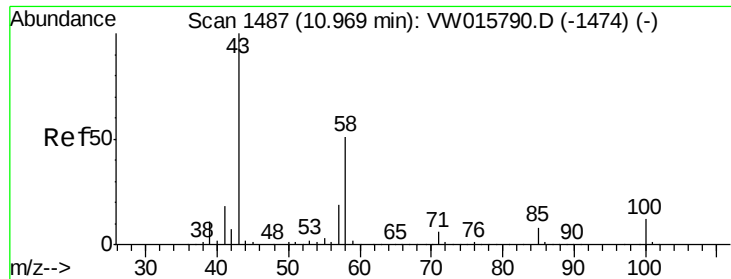
MMDadoda
 7/9/2020 10:47:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.548 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.1	34.7





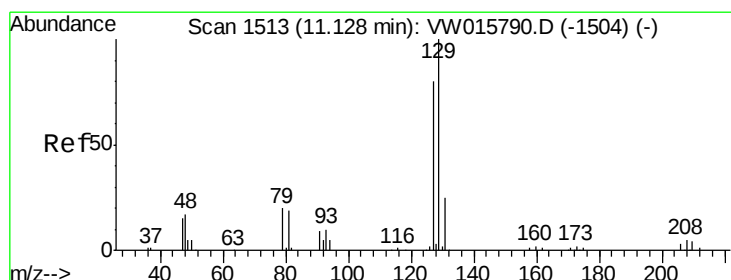
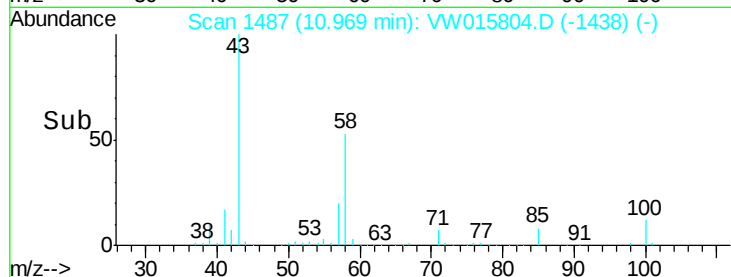
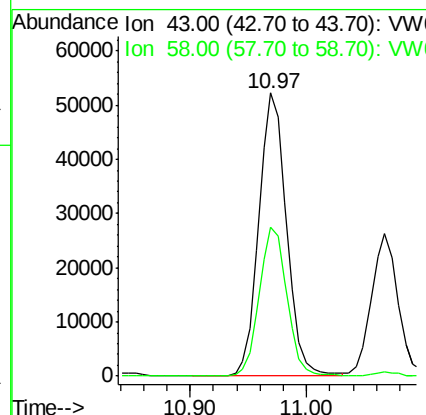
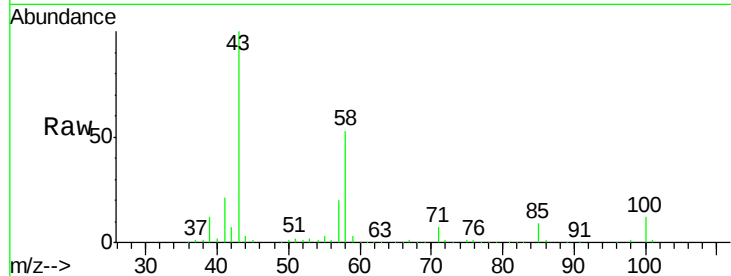
#59
2-Hexanone
Concen: 104.998 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion: 43 Resp: 87115
Ion Ratio Lower Upper
43 100
58 52.5 26.2 78.5

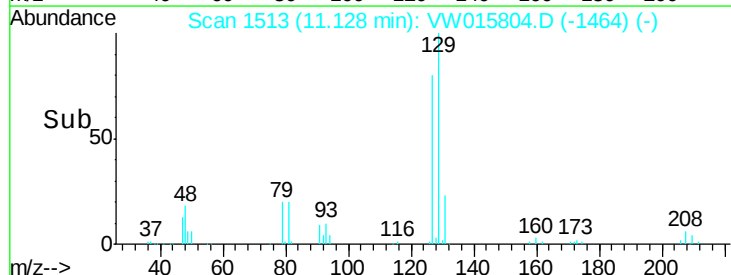
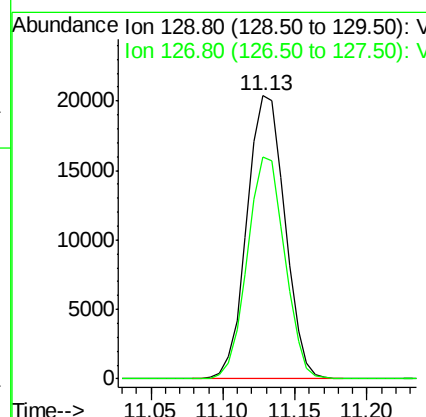
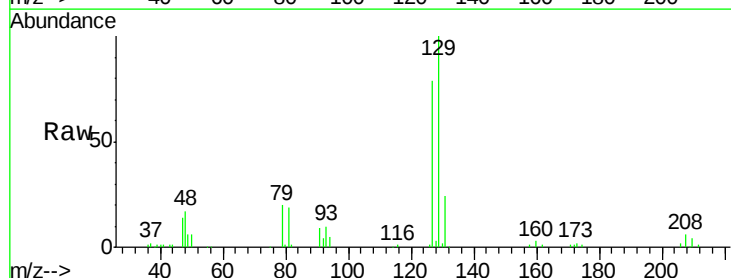
Manual Integrations
APPROVED

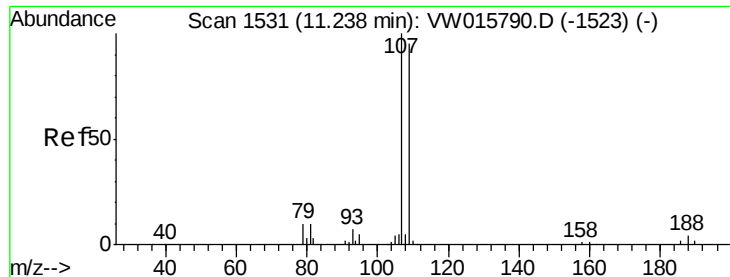
MMDadoda
7/9/2020 10:47:28 AM



#60
Dibromochloromethane
Concen: 19.894 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion: 129 Resp: 37098
Ion Ratio Lower Upper
129 100
127 77.2 39.4 118.1





#61

1,2-Dibromoethane

Concen: 20.314 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 107 Resp: 31384

Ion Ratio Lower Upper

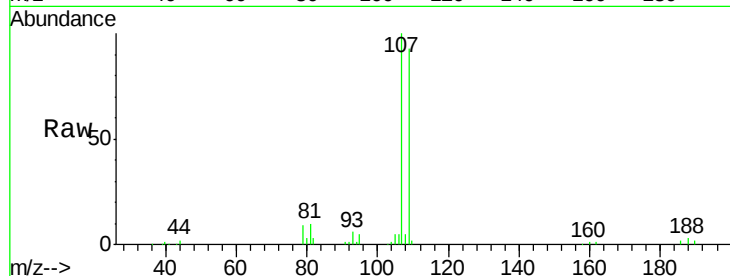
107 100

109 92.1 77.0 115.6

Manual Integrations
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7/9/2020 10:47:28 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

20000

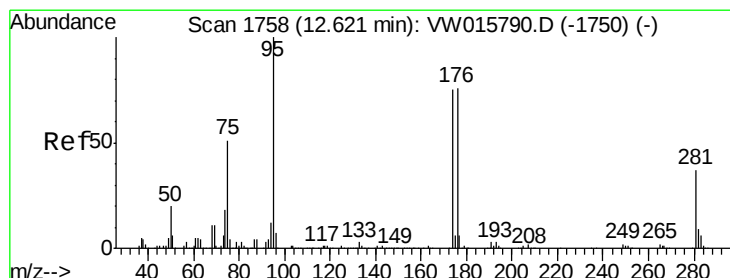
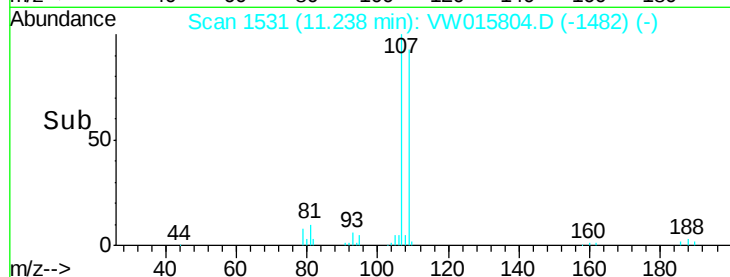
15000

10000

5000

0

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 48.622 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

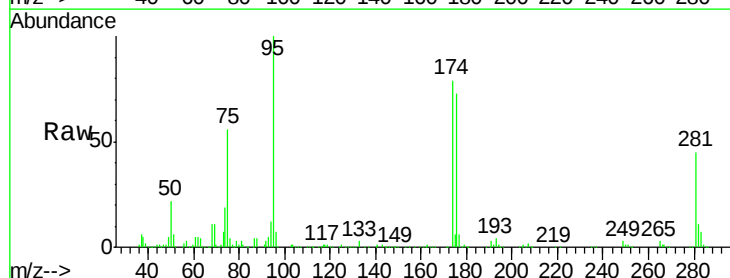
Tgt Ion: 95 Resp: 136247

Ion Ratio Lower Upper

95 100

174 77.9 0.0 150.2

176 73.2 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

100000

80000

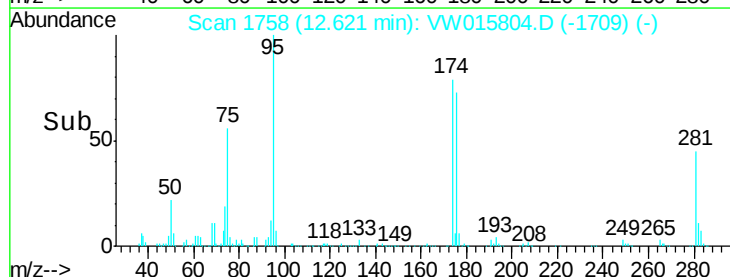
60000

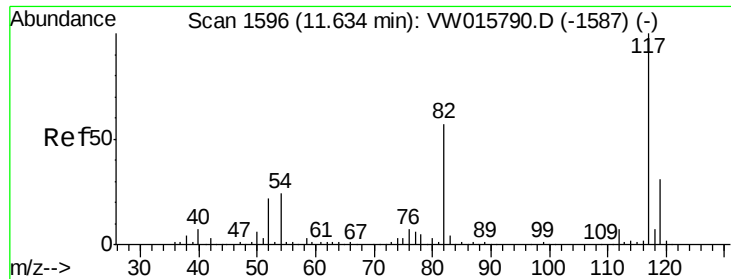
40000

20000

0

Time--> 12.55 12.60 12.65 12.70





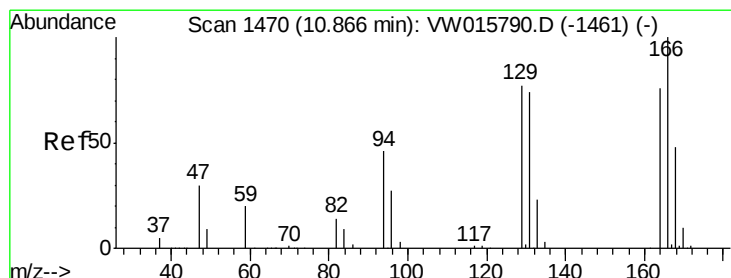
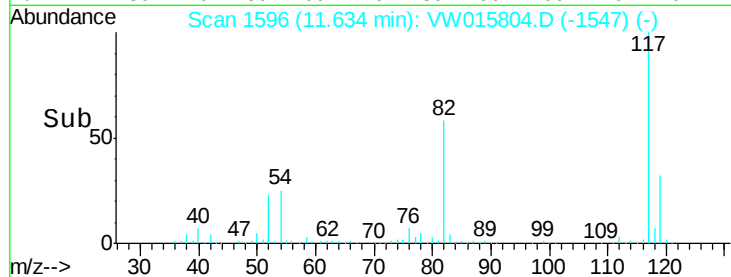
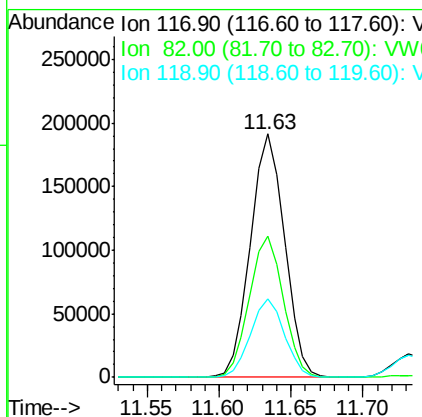
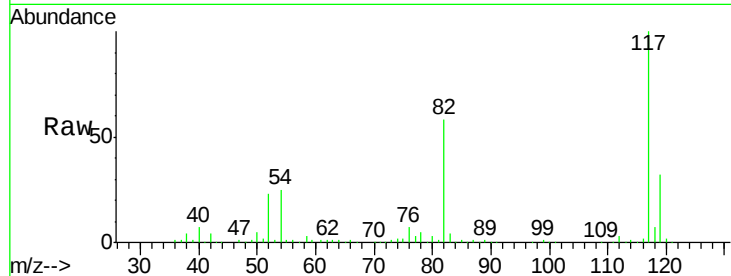
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.5	68.3
119	32.3	25.0	37.6

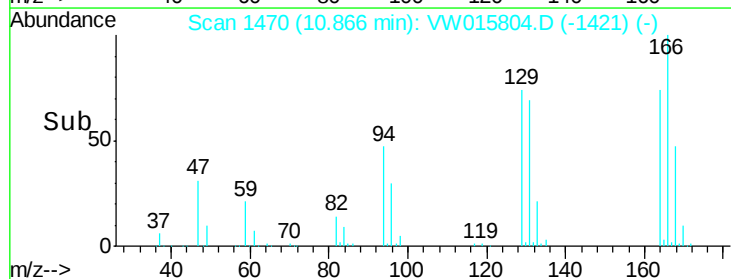
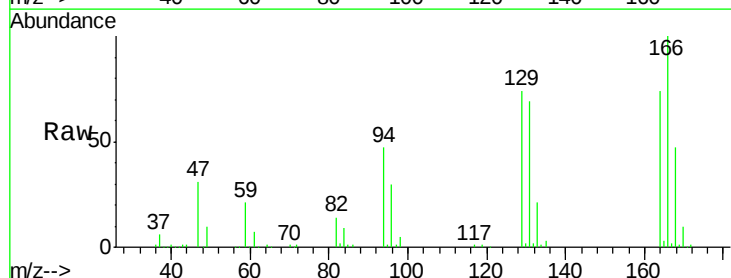
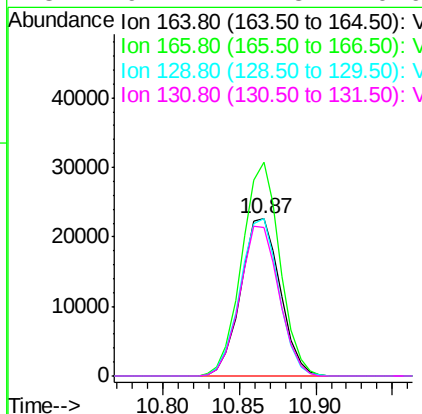
Manual Integrations
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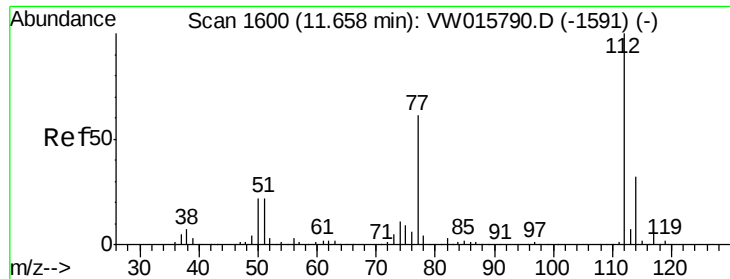
MMDadoda
7/9/2020 10:47:28 AM



#64
Tetrachloroethene
Concen: 20.424 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.0	105.1	157.7
129	100.0	80.6	121.0
131	94.4	77.8	116.6





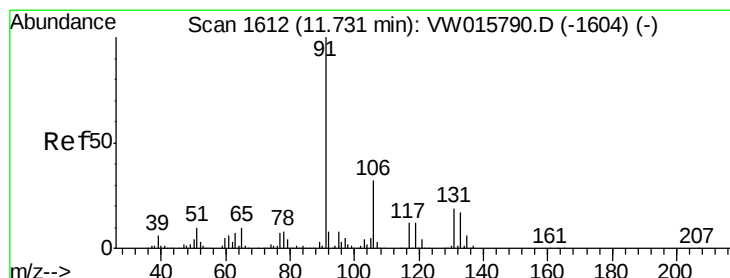
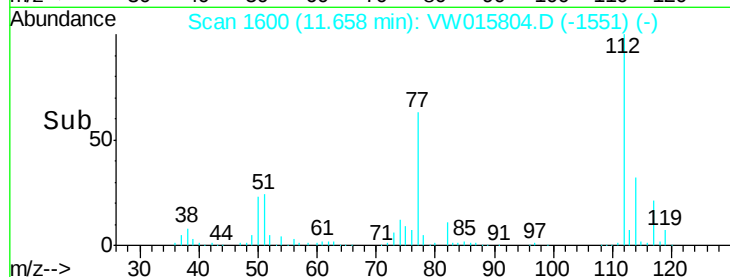
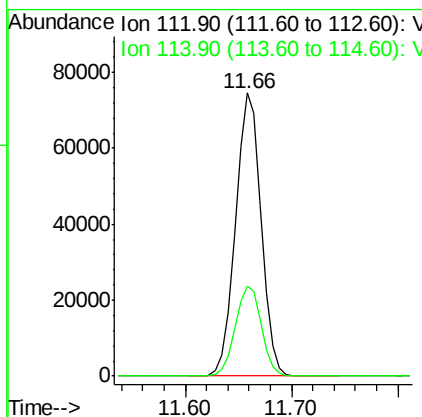
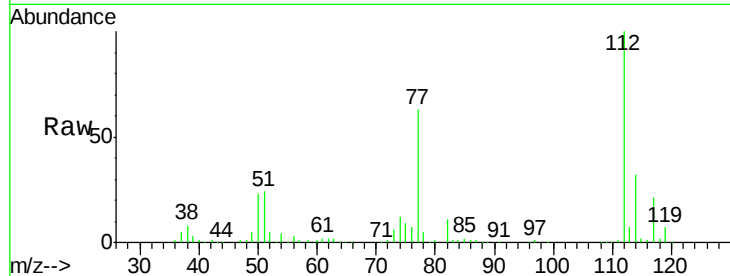
#65
Chlorobenzene
Concen: 20.475 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion:112 Resp: 125563
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

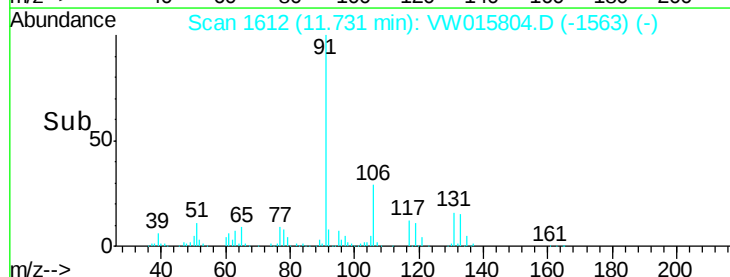
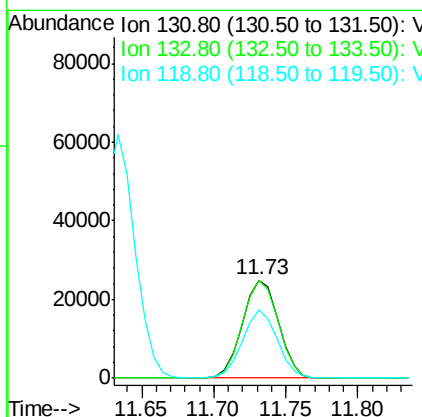
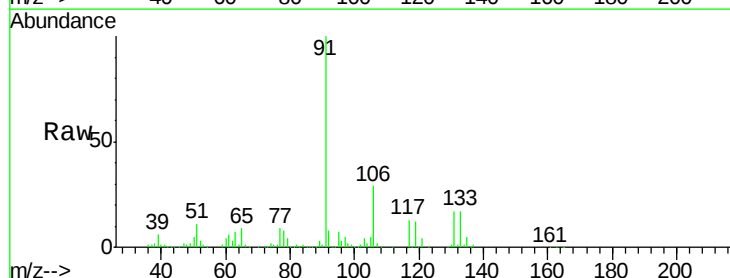
Manual Integrations
APPROVED

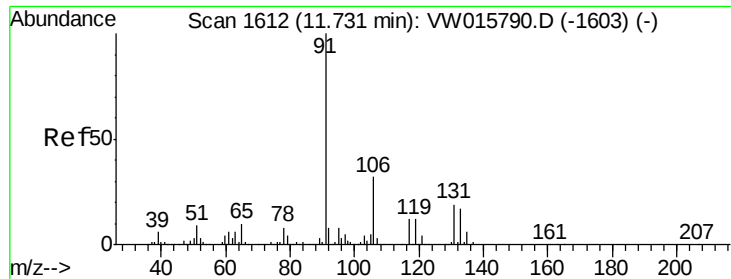
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.963 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion:131 Resp: 43323
Ion Ratio Lower Upper
131 100
133 98.5 47.0 141.2
119 66.6 32.3 96.8





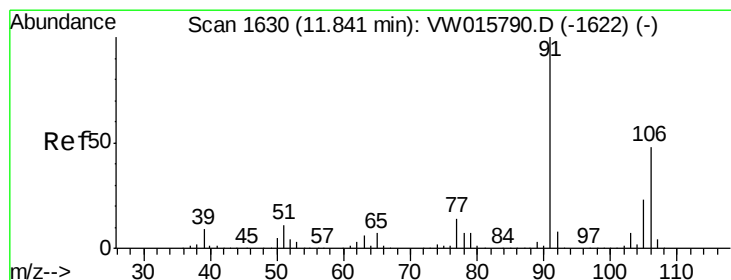
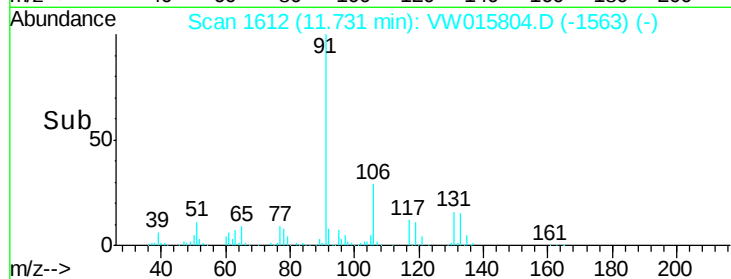
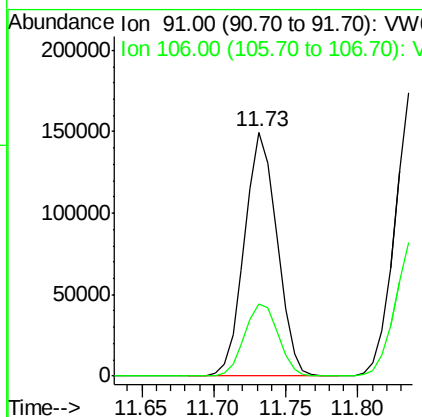
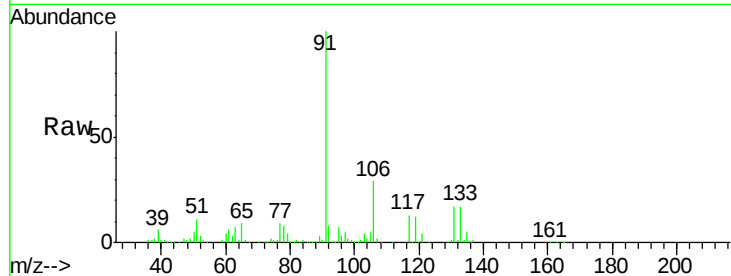
#67
Ethyl Benzene
Concen: 20.685 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.4	25.8	38.8

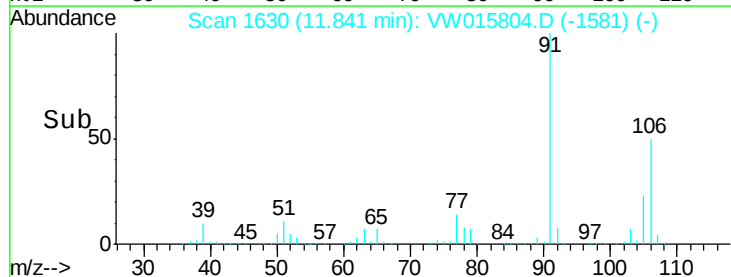
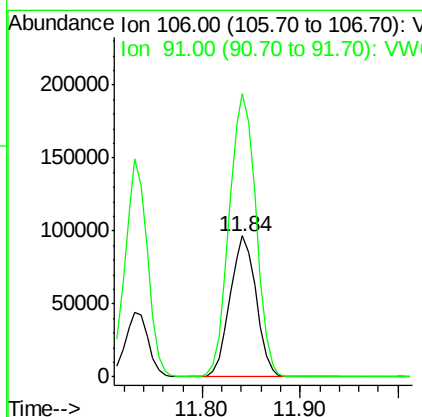
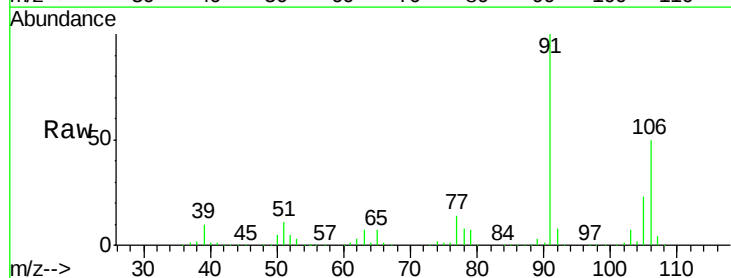
Manual Integrations
APPROVED

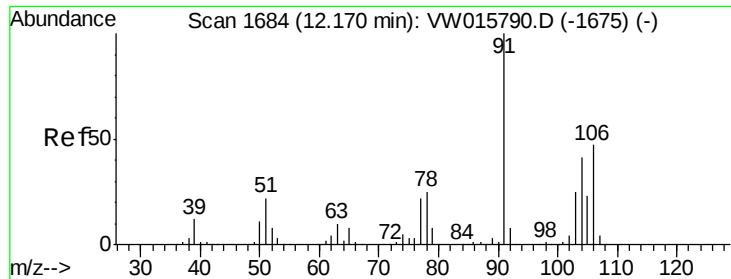
MMDadoda
7/9/2020 10:47:28 AM



#68
m/p-Xylenes
Concen: 41.951 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Lower	Upper
106	100		
91	205.2	164.1	246.1





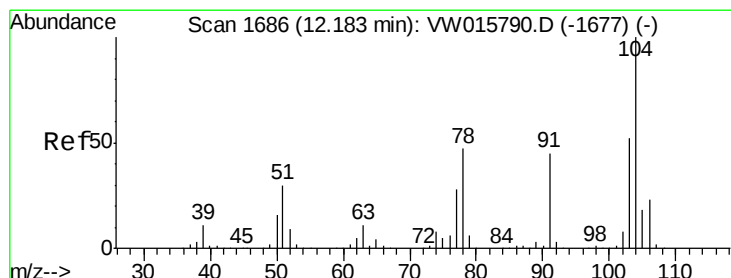
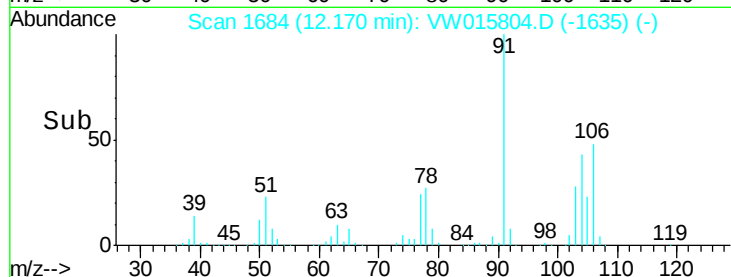
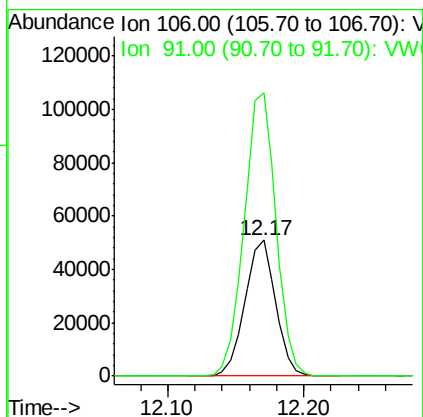
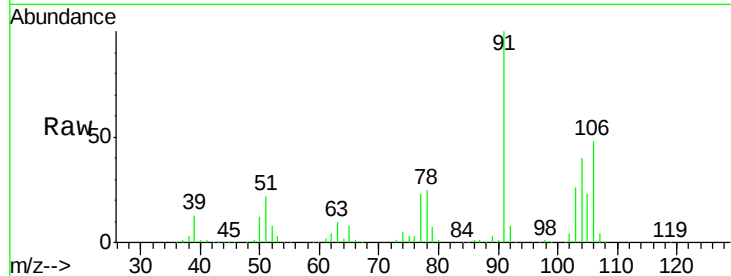
#69
o-Xylene
Concen: 20.683 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion:106 Resp: 80541
Ion Ratio Lower Upper
106 100
91 216.2 108.5 325.3

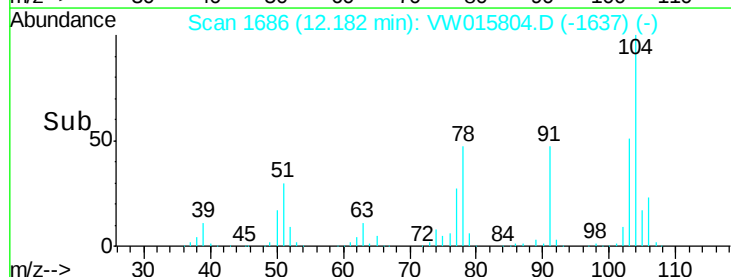
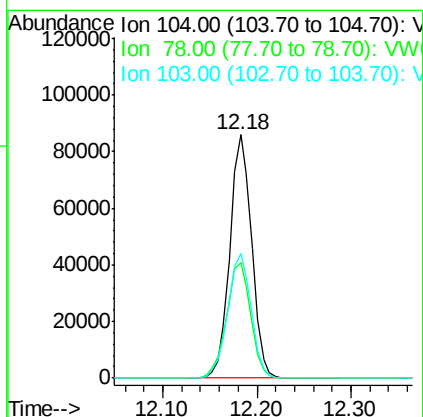
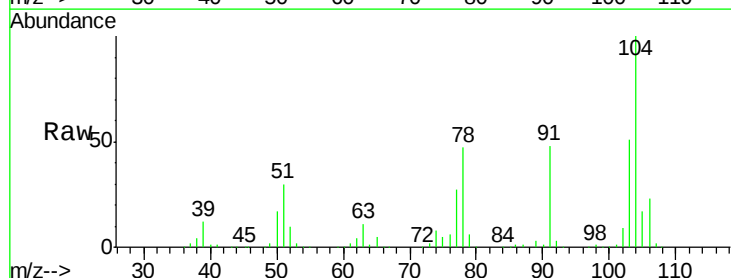
Manual Integrations
APPROVED

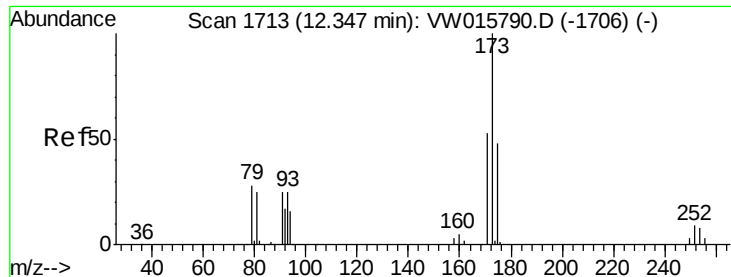
MMDadoda
7/9/2020 10:47:28 AM



#70
Styrene
Concen: 20.619 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion:104 Resp: 138159
Ion Ratio Lower Upper
104 100
78 52.5 41.0 61.4
103 55.1 43.8 65.8





#71

Bromoform

Concen: 19.462 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion:173 Resp: 19278

Ion Ratio Lower Upper

173 100

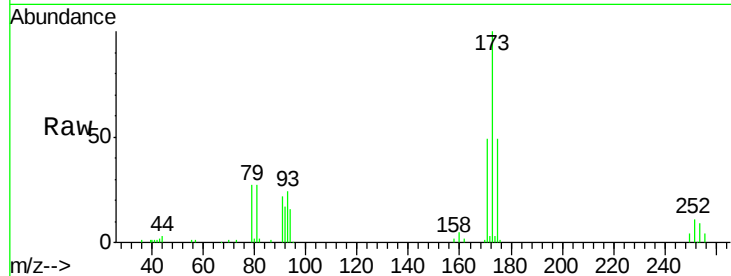
175 48.2 23.5 70.5

254 0.0 0.0 0.0

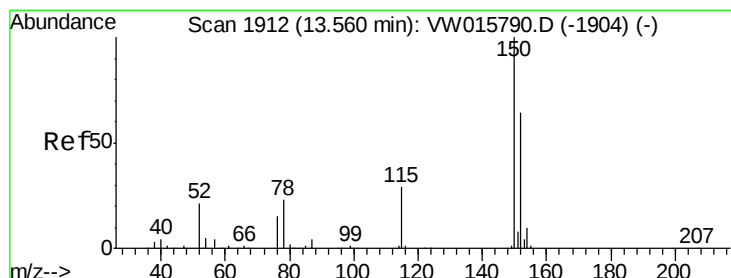
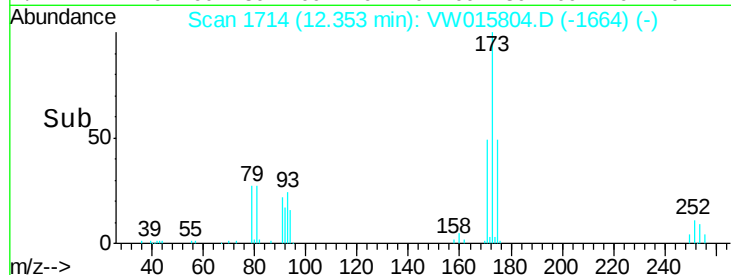
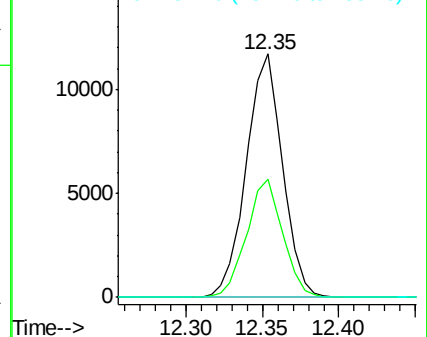
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

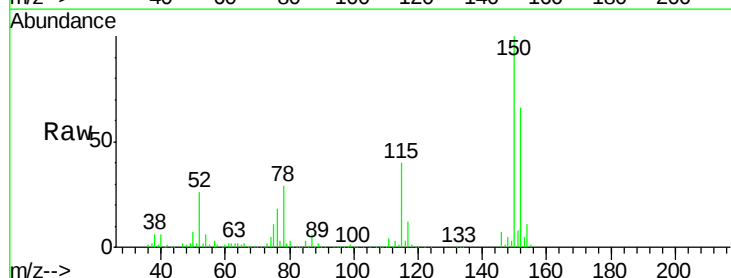
Tgt Ion:152 Resp: 161861

Ion Ratio Lower Upper

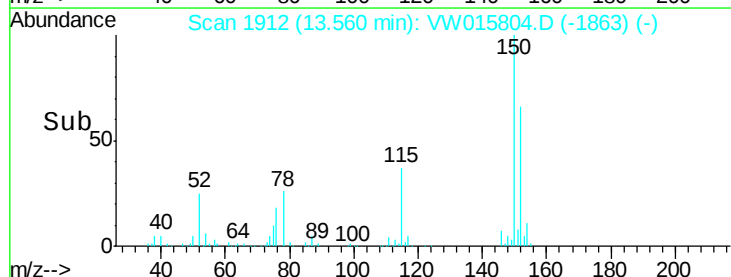
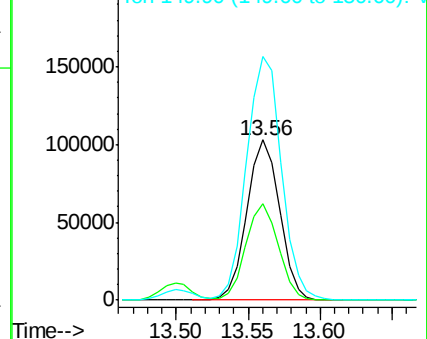
152 100

115 60.0 29.9 89.7

150 162.2 0.0 350.8



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





#73

Isopropylbenzene

Concen: 20.087 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 105 Resp: 229048

Ion Ratio Lower Upper

105 100

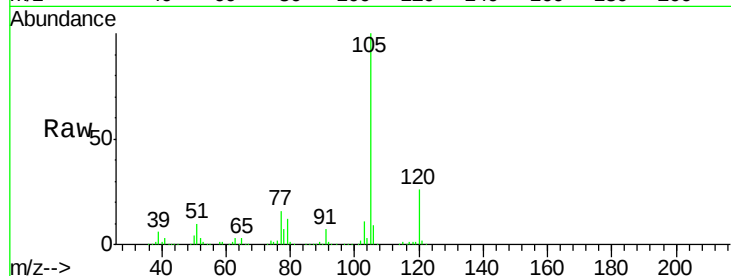
120 26.0 13.2 39.6

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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

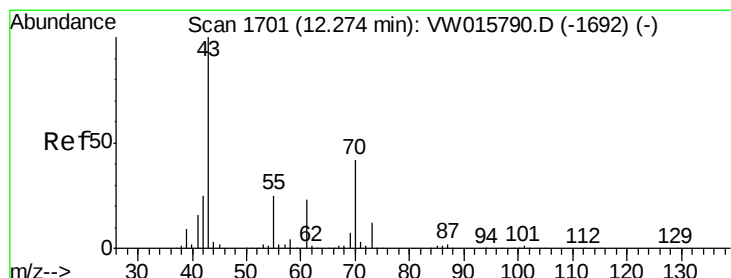
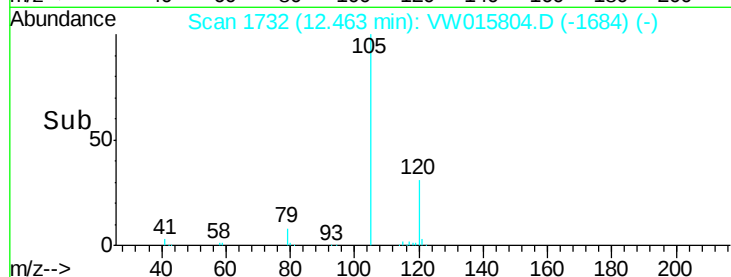
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.344 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Tgt Ion: 43 Resp: 47192

Ion Ratio Lower Upper

43 100

70 42.3 34.1 51.1

55 25.5 20.0 30.0

61 23.8 19.0 28.6

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

50000

40000

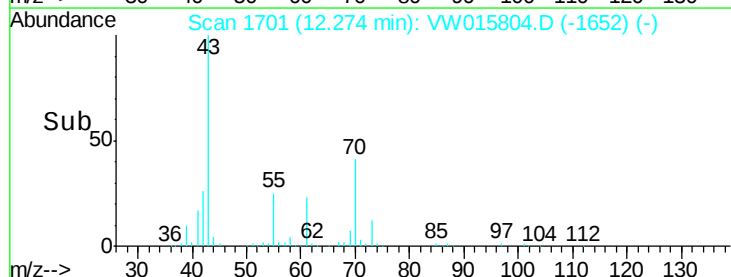
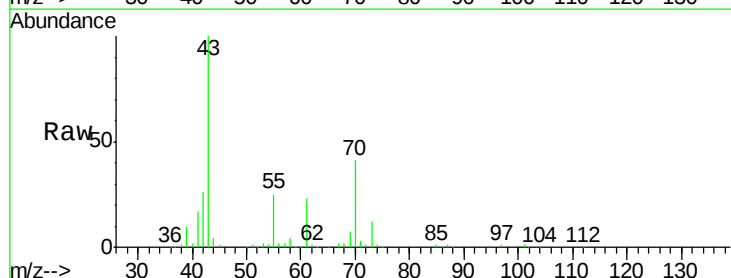
30000

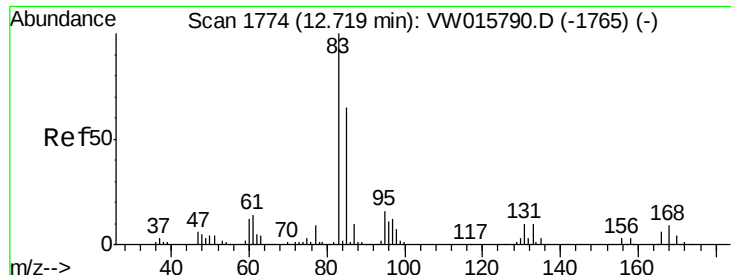
20000

10000

0

Time-->





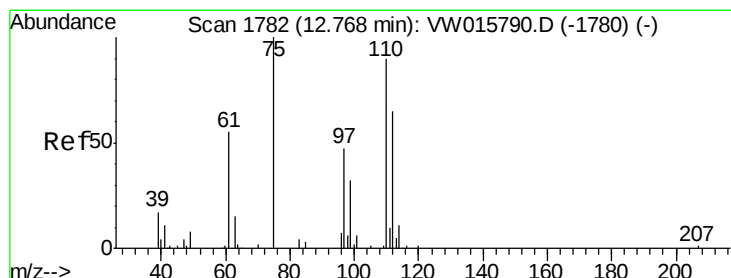
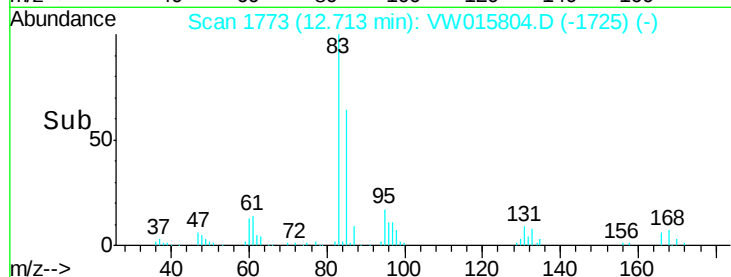
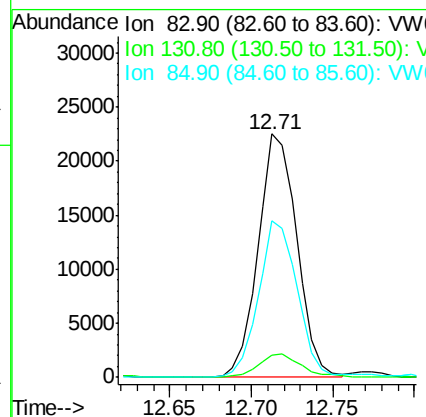
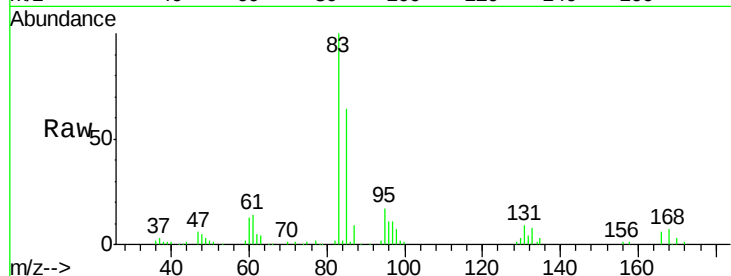
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.681 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.6	5.3	16.1	
85	64.2	31.9	95.9	

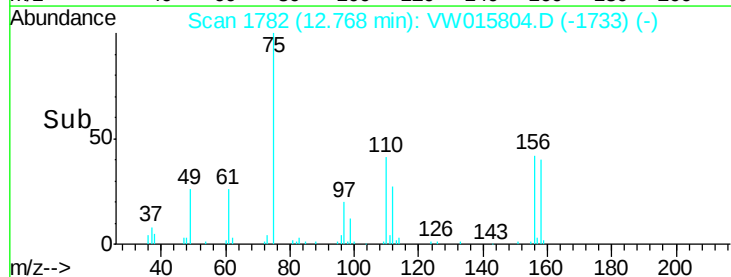
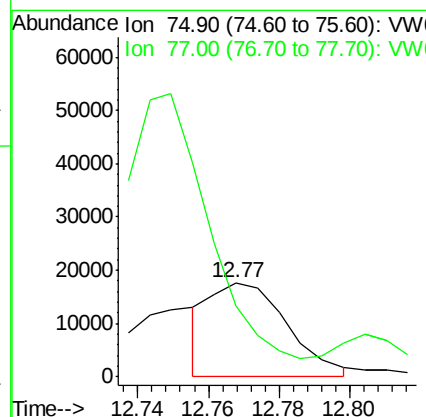
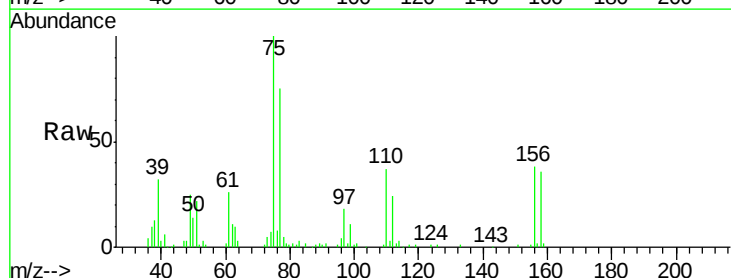
Manual Integrations
 APPROVED

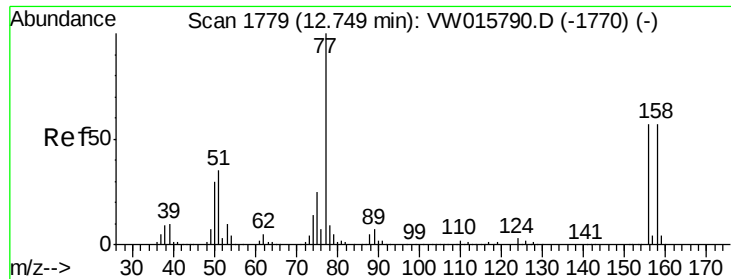
MMDadoda
 7/9/2020 10:47:28 AM



#76
 1,2,3-Trichloropropane
 Concen: 18.762 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	363.7	177.3	532.0	





#77

Bromobenzene

Concen: 20.137 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion:156 Resp: 51489

Ion Ratio Lower Upper

156 100

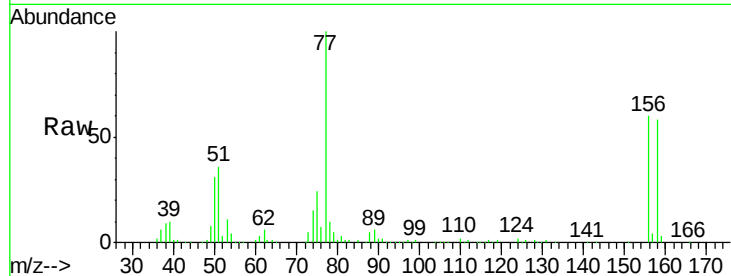
77 188.6 98.8 296.4

158 95.4 50.0 149.8

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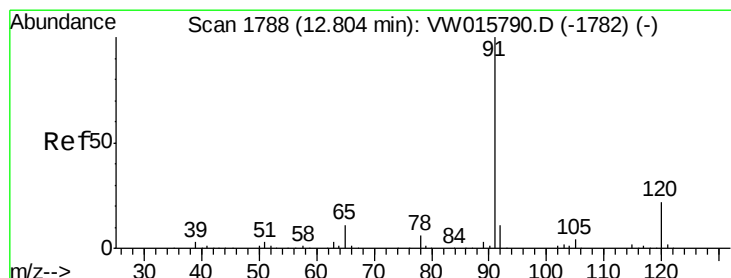
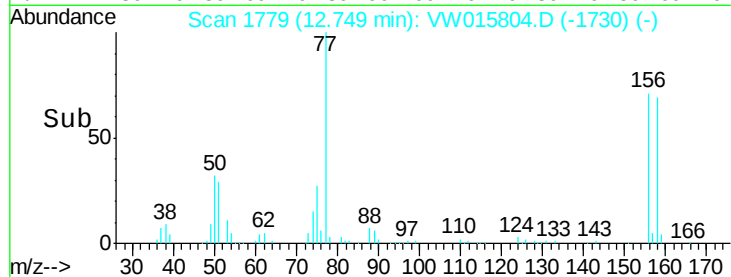
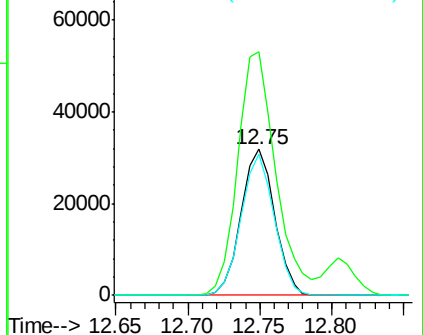
7/9/2020 10:47:28 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.516 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015804.D

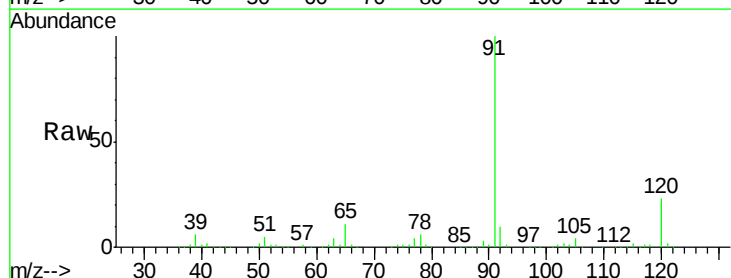
Acq: 08 Jul 2020 12:33

Tgt Ion: 91 Resp: 283961

Ion Ratio Lower Upper

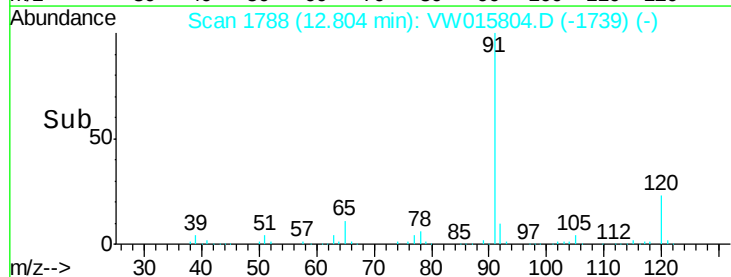
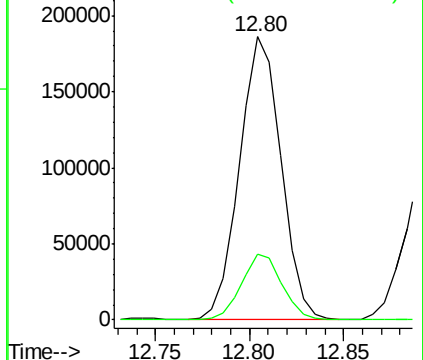
91 100

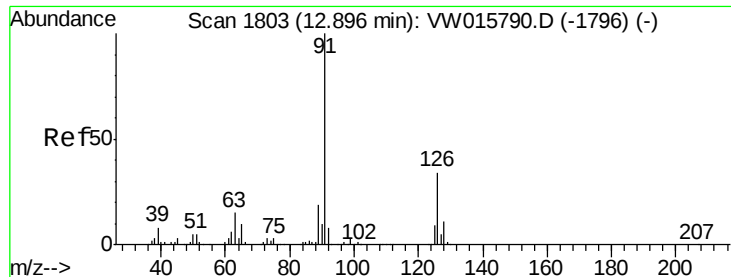
120 22.7 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.211 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

ClientSampleId :

VW0708SBS01

Tot Ion: 91 Resp: 159522

Ion Ratio Lower Upper

91 100

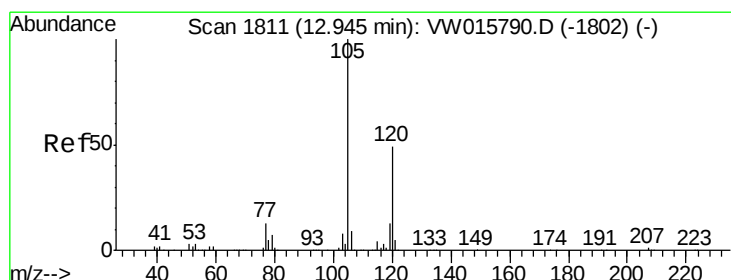
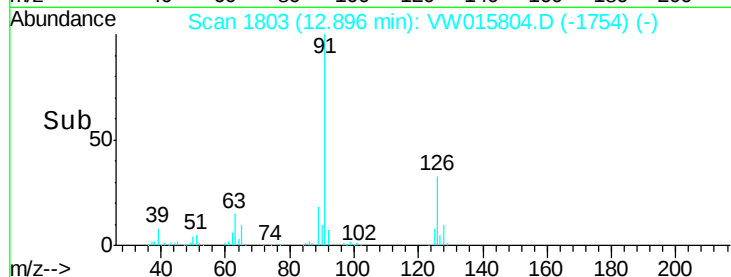
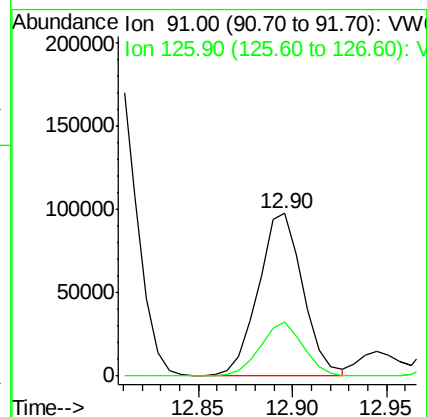
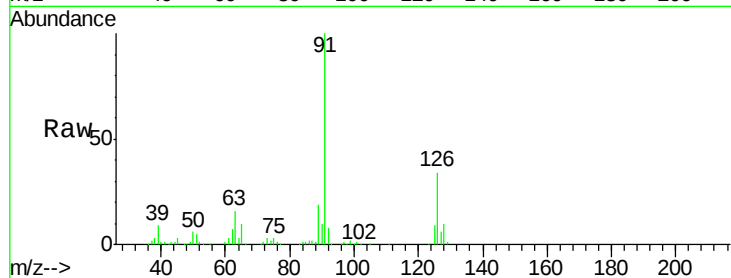
126 32.1 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 20.385 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015804.D

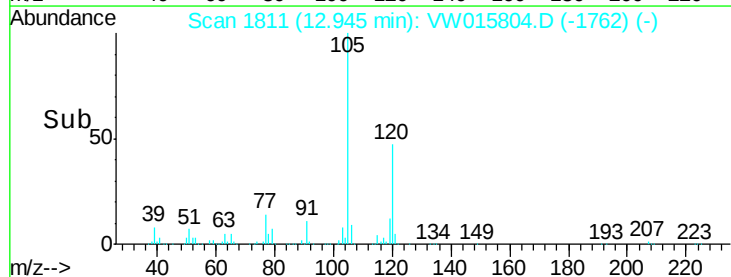
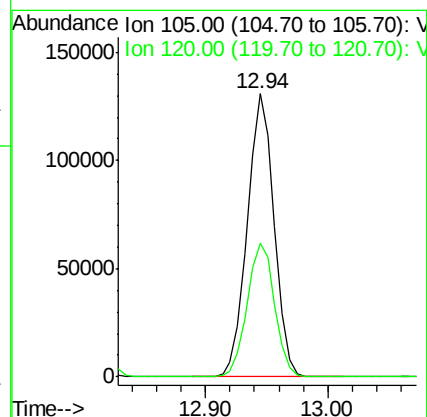
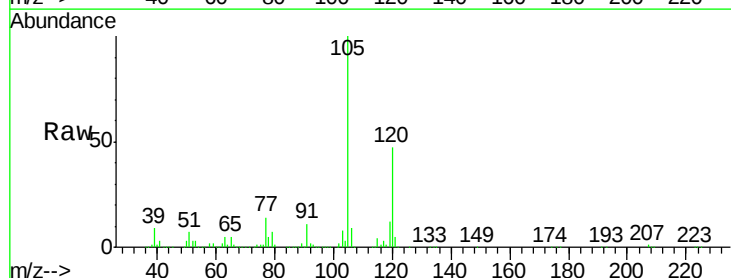
Acq: 08 Jul 2020 12:33

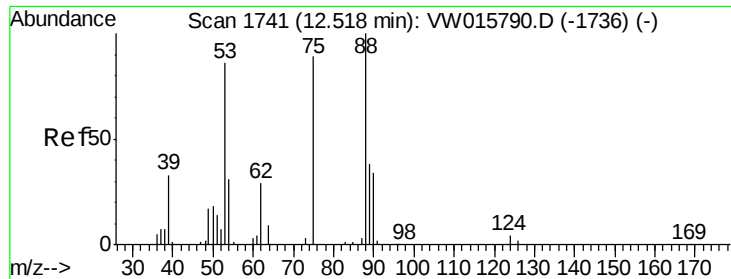
Tgt Ion:105 Resp: 198117

Ion Ratio Lower Upper

105 100

120 48.5 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.739 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

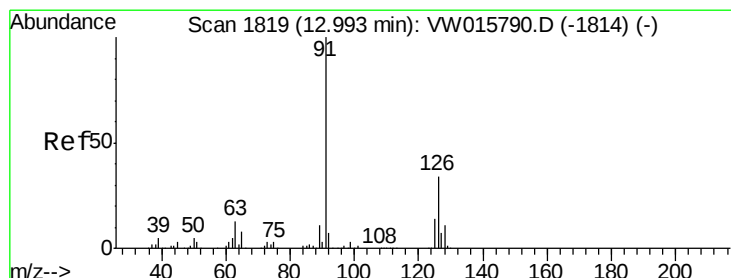
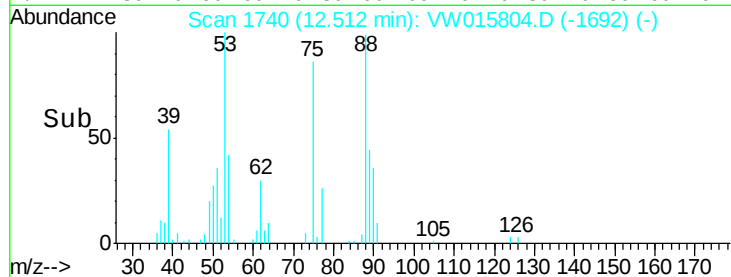
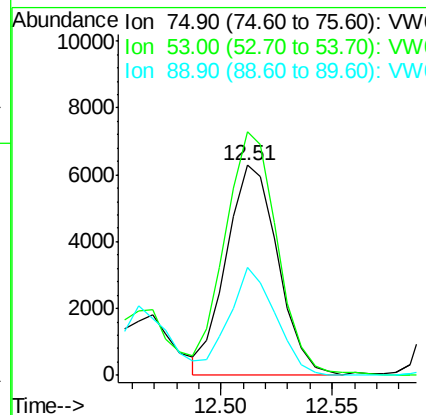
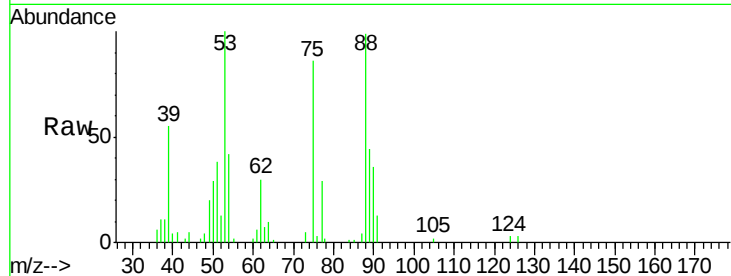
ClientSampled :

VW0708SBS01

Tot Ion:	75	Resp:	10180
Ion Ratio	Lower	Upper	
75	100		
53	117.3	85.9	128.9
89	46.8	36.2	54.4

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#82

4-Chlorotoluene

Concen: 20.633 ug/l

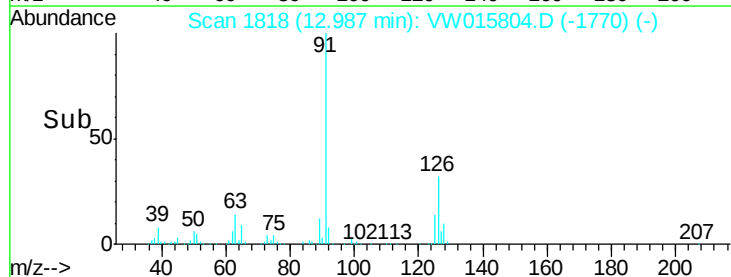
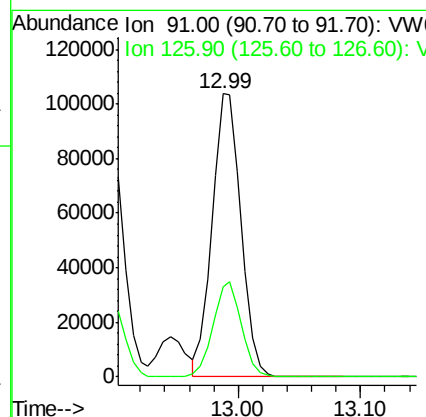
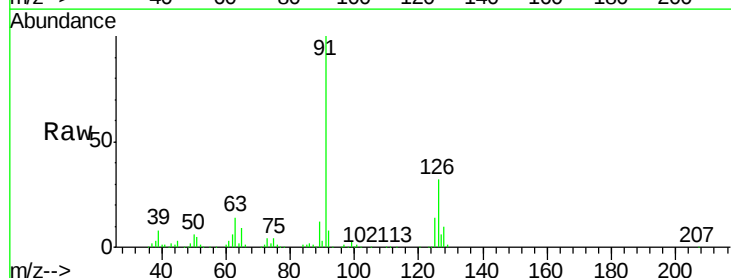
RT: 12.99 min Scan# 1818

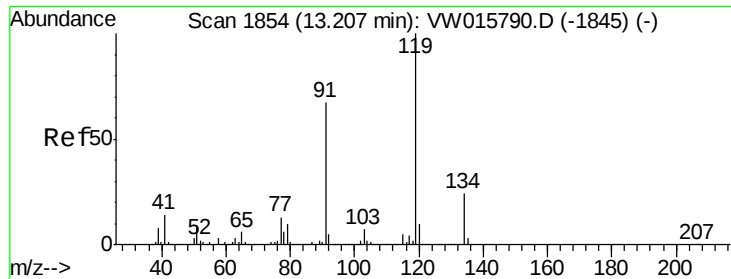
Delta R.T. -0.01 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Tgt Ion:	91	Resp:	170065
Ion Ratio	Lower	Upper	
91	100		
126	32.9	16.3	48.9





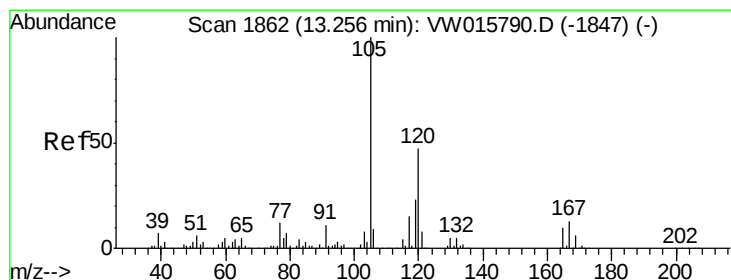
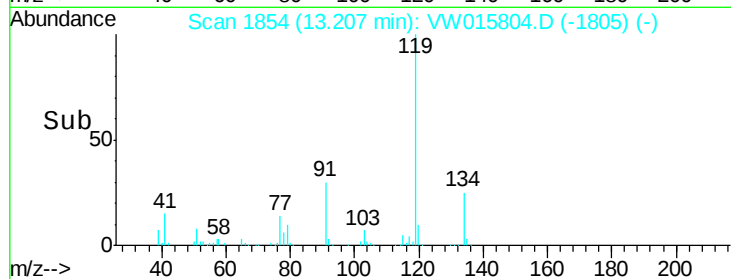
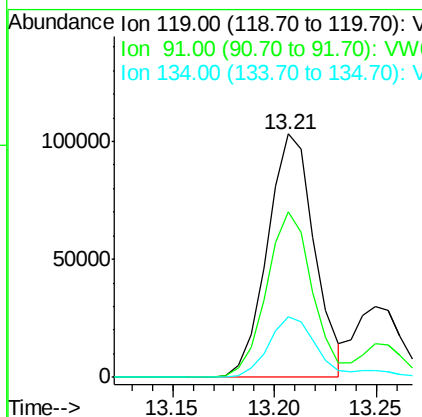
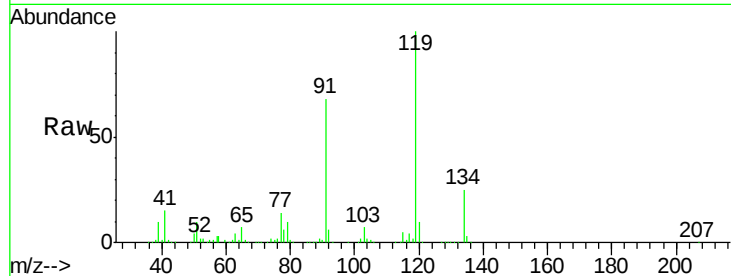
#83
tert-Butylbenzene
Concen: 20.560 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	165890		
91	67.1	34.4	103.3	
134	24.8	13.6	40.7	

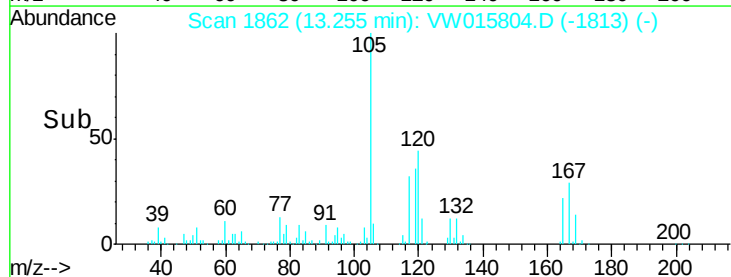
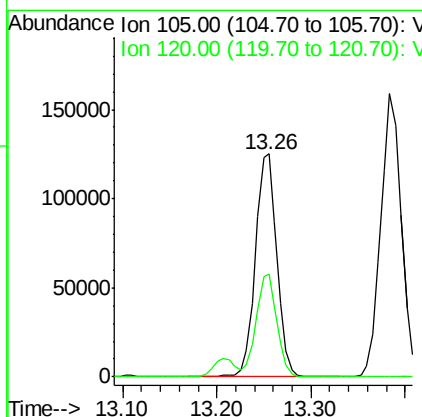
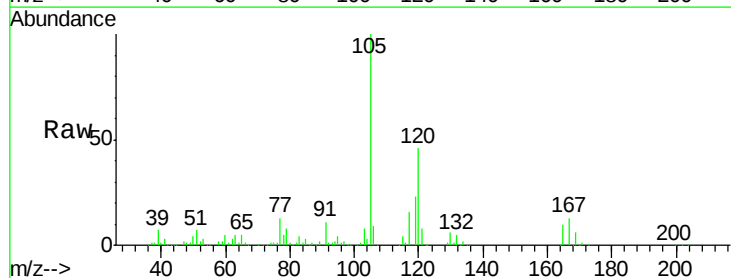
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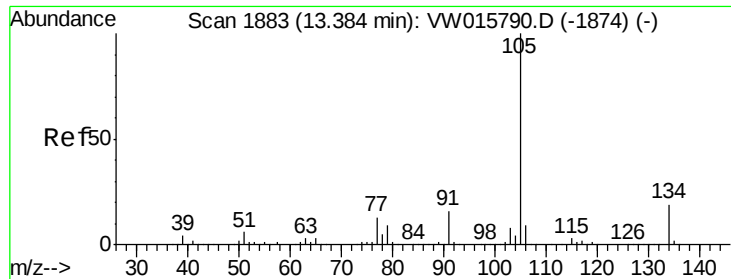
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.744 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	201339		
120	44.4	22.8	68.4	





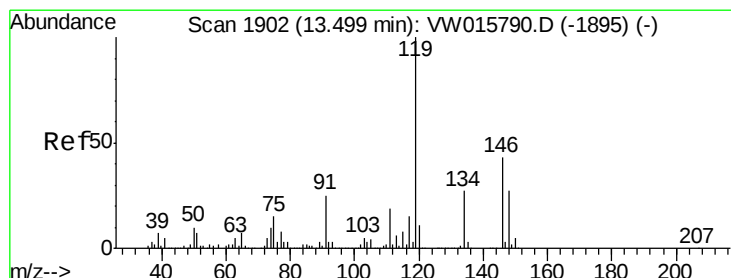
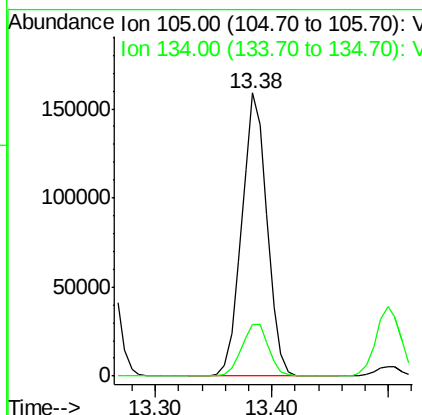
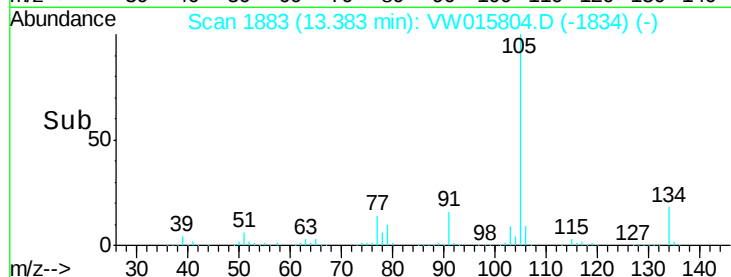
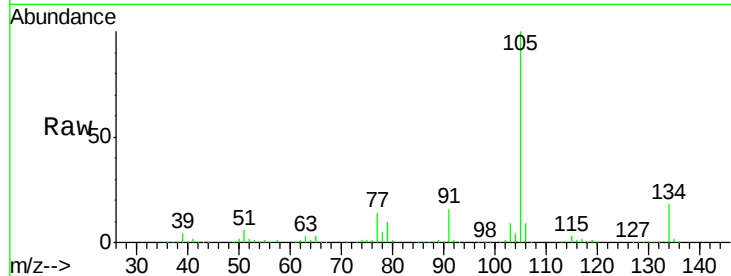
#85
 sec-Butylbenzene
 Concen: 20.629 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.0	29.8

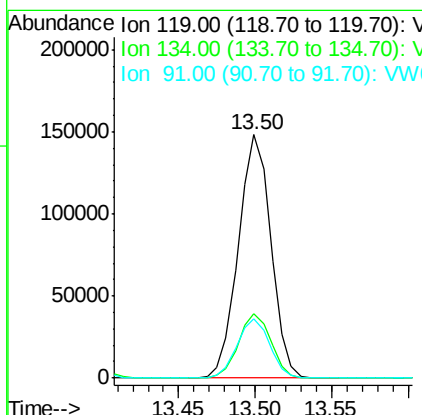
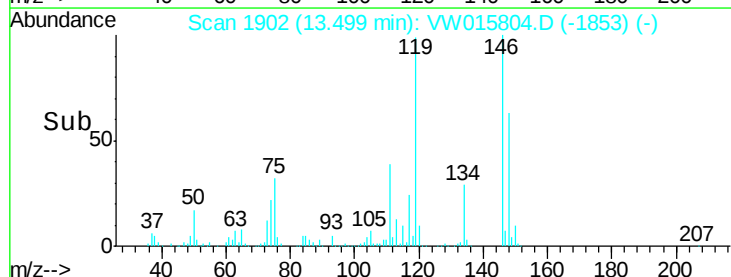
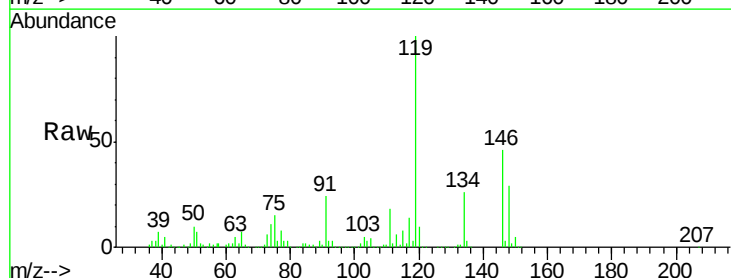
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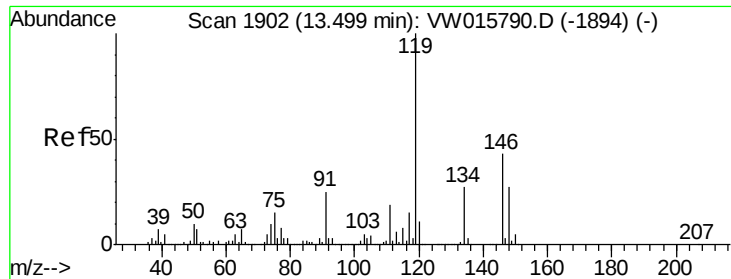
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#86
 p-Isopropyltoluene
 Concen: 20.505 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.2	39.6
91	24.5	12.2	36.6





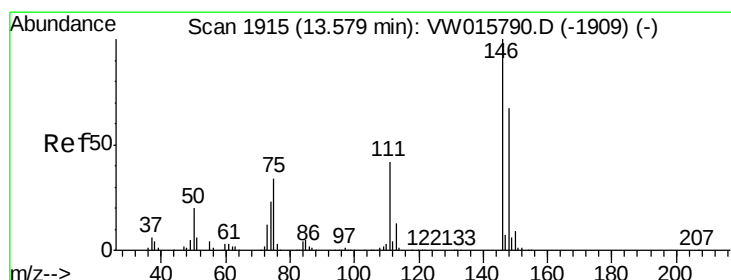
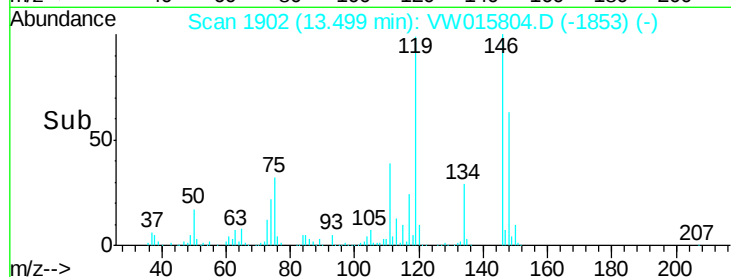
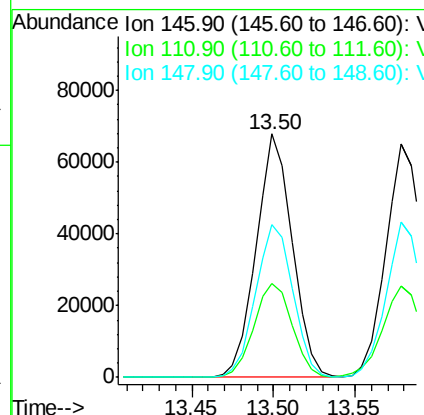
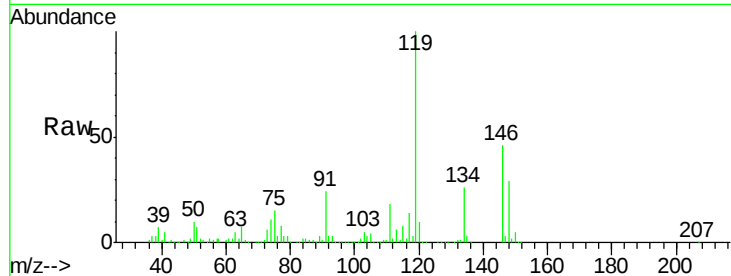
#87
 1,3-Dichlorobenzene
 Concen: 20.468 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	104906		
111	40.9	20.8	62.4	
148	64.8	31.4	94.2	

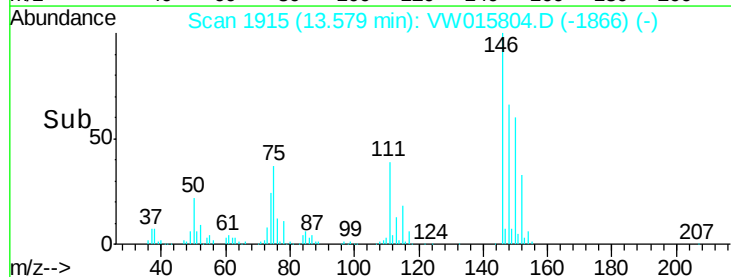
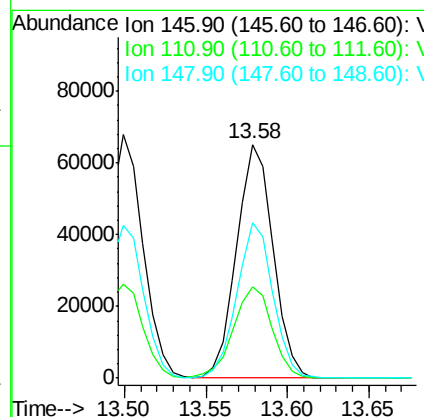
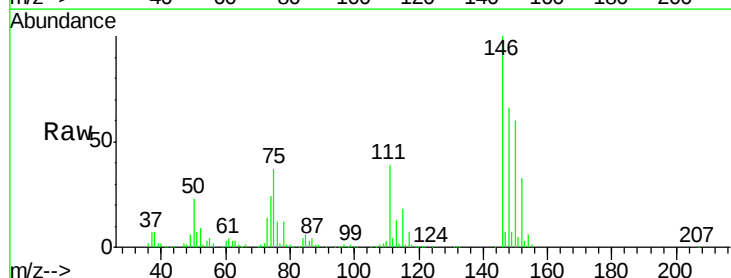
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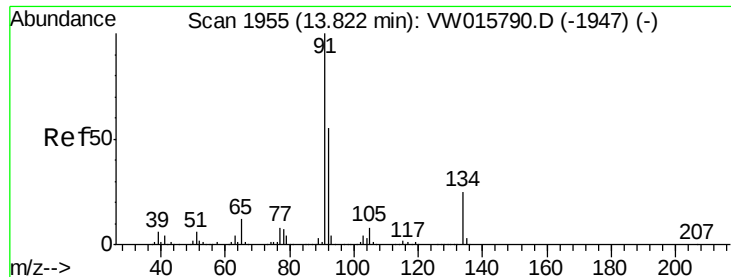
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#88
 1,4-Dichlorobenzene
 Concen: 20.312 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	101916		
111	41.6	20.2	60.6	
148	65.6	31.8	95.4	





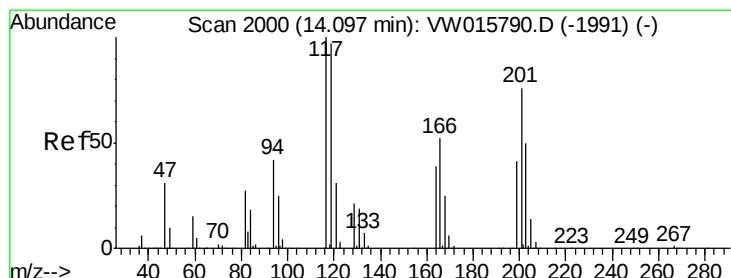
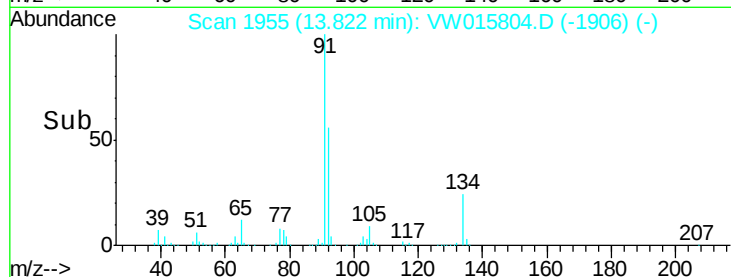
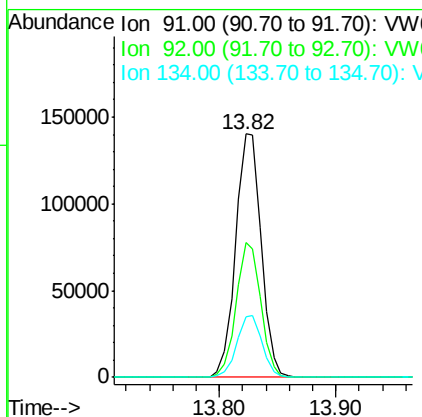
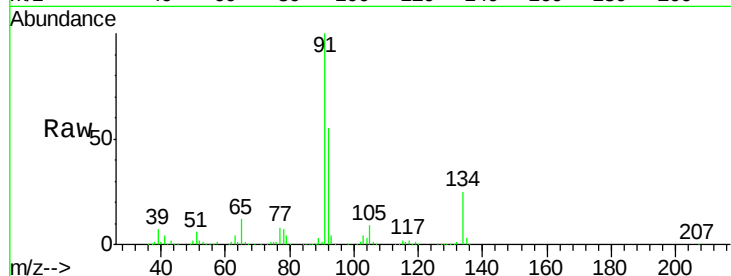
#89
n-Butylbenzene
Concen: 21.107 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Instrument :
MSVOA_W
ClientSampleId :
VW0708SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.2	81.6
134	25.2	12.7	38.1

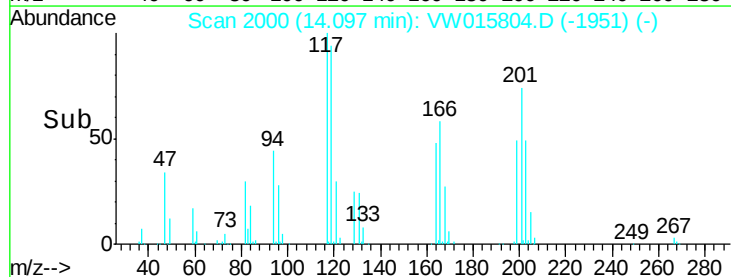
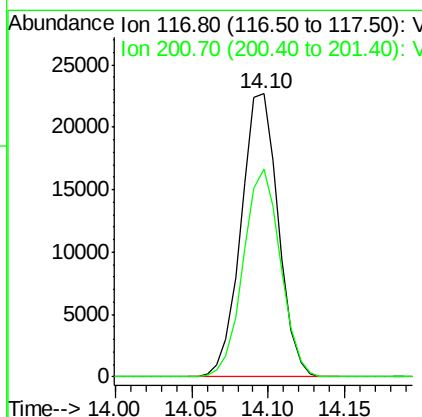
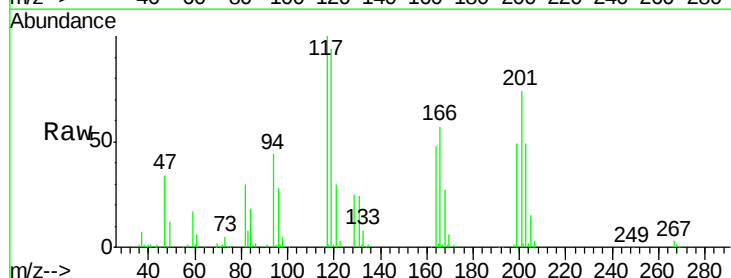
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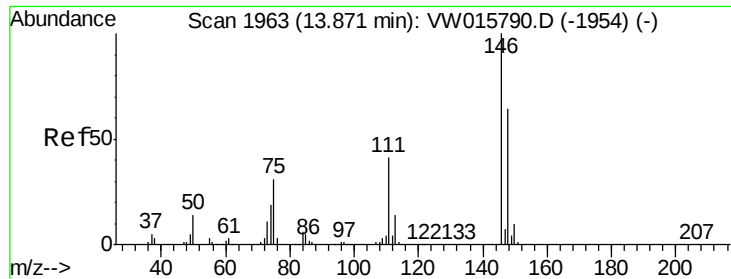
MMDadoda
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#90
Hexachloroethane
Concen: 19.882 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW015804.D
Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.4	37.1	111.3





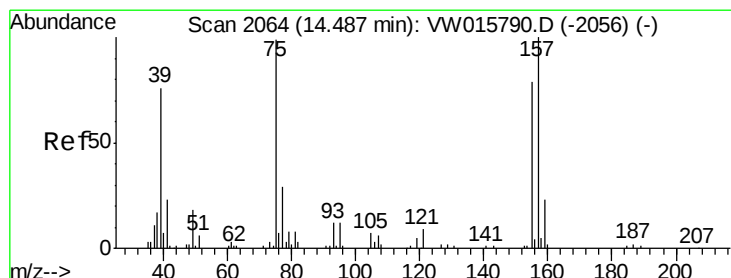
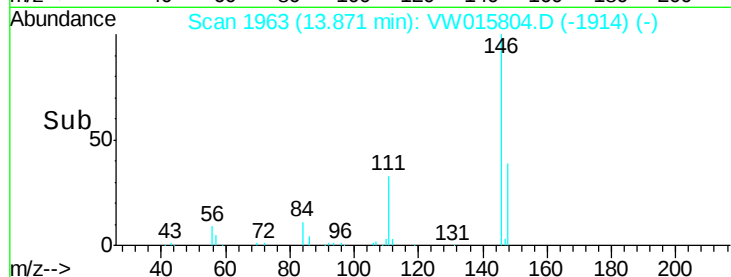
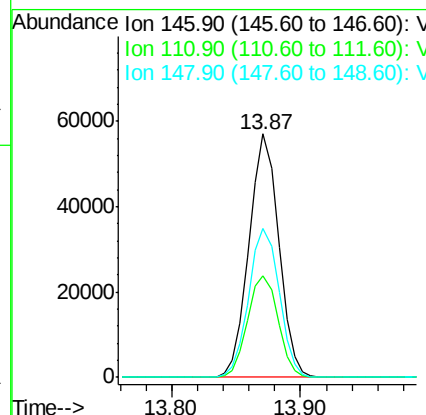
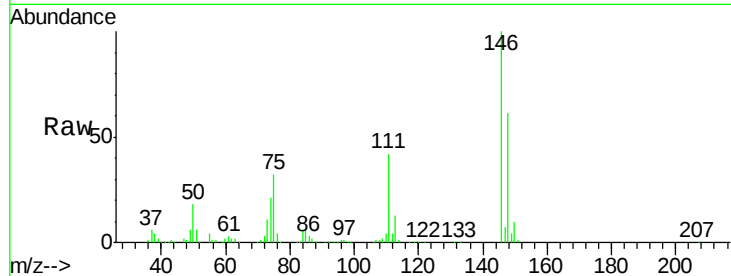
#91
 1,2-Dichlorobenzene
 Concen: 20.439 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.6	61.9
148	63.1	31.8	95.4

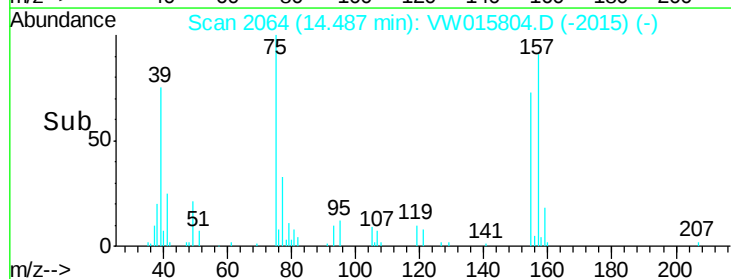
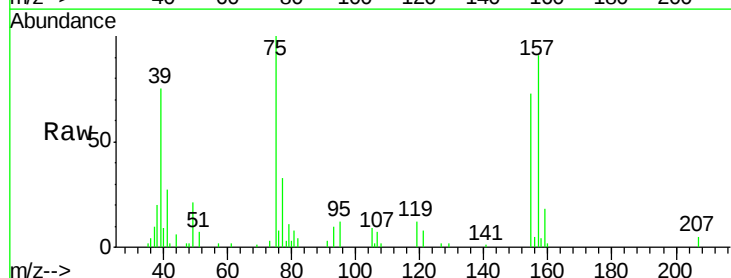
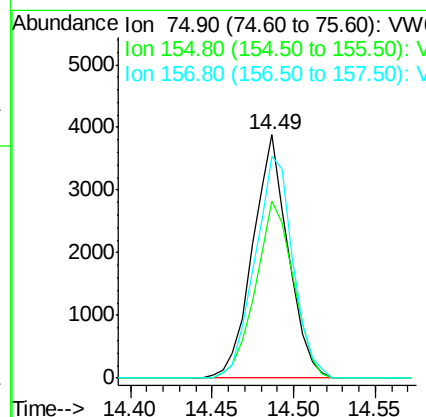
Manual Integrations
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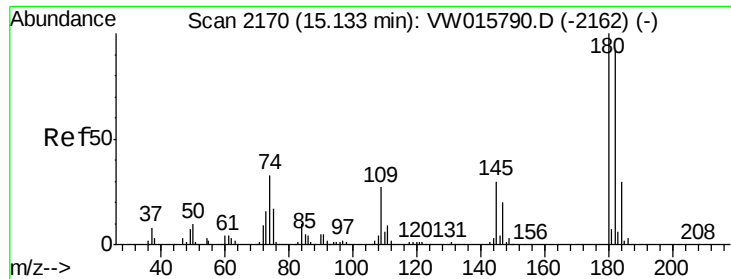
MMDadoda
 7/9/2020 10:47:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.350 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	39.1	117.5
157	97.1	49.1	147.4





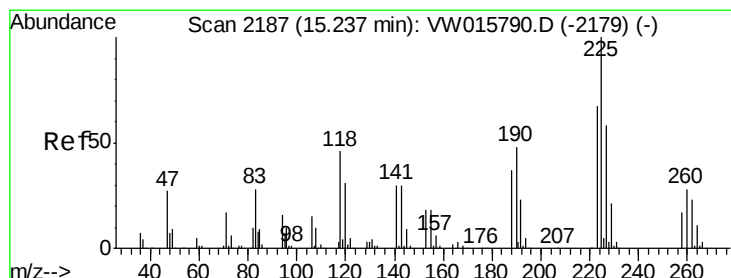
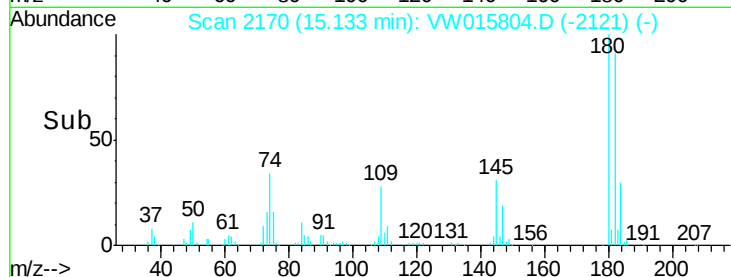
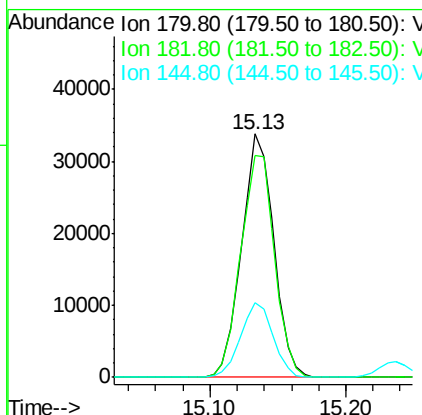
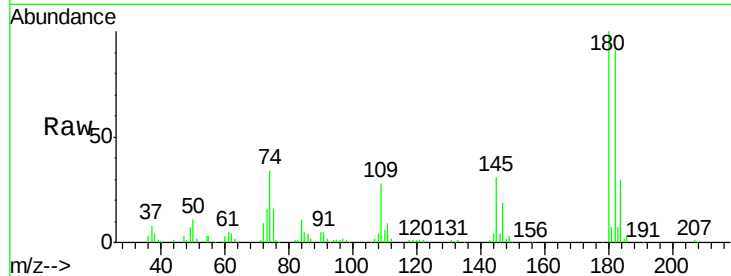
#93
 1,2,4-Trichlorobenzene
 Concen: 19.985 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0708SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55948		
182	95.9	46.8	140.3	
145	30.8	15.4	46.4	

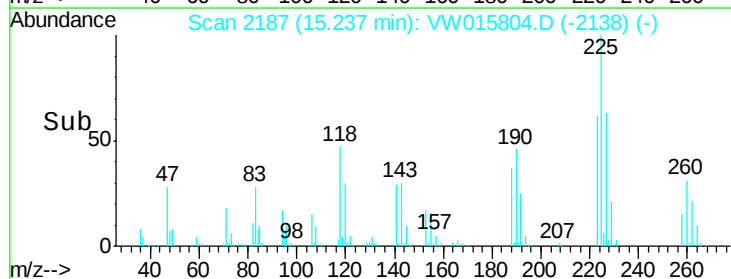
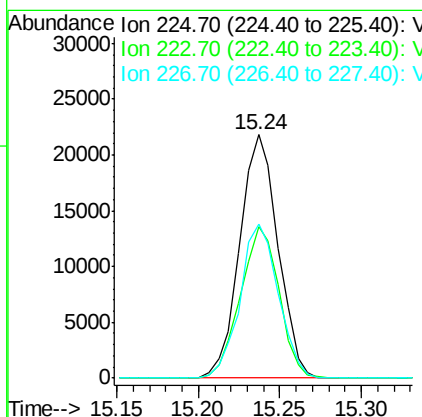
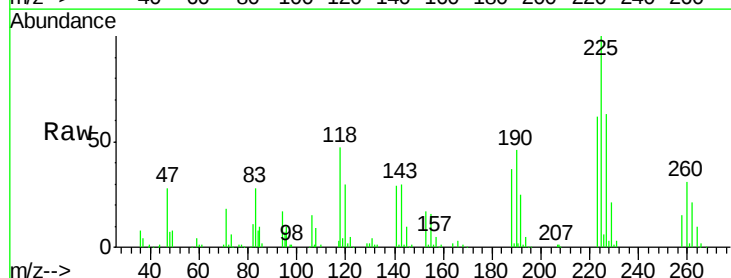
Manual Integrations
 APPROVED

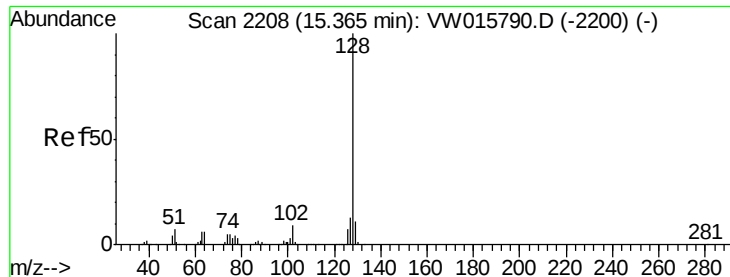
MMDadoda
 7/9/2020 10:47:28 AM



#94
 Hexachlorobutadiene
 Concen: 20.069 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015804.D
 Acq: 08 Jul 2020 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	35672		
223	62.8	32.4	97.2	
227	63.4	30.7	92.1	





#95

Naphthalene

Concen: 19.093 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Instrument :

MSVOA_W

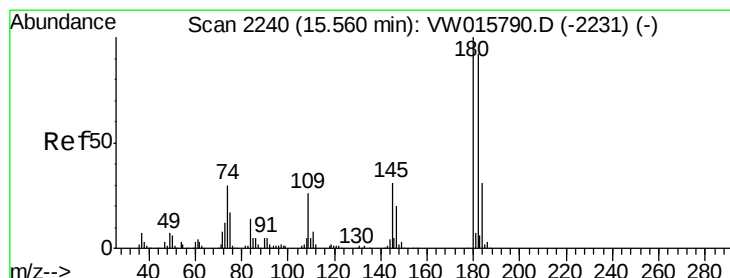
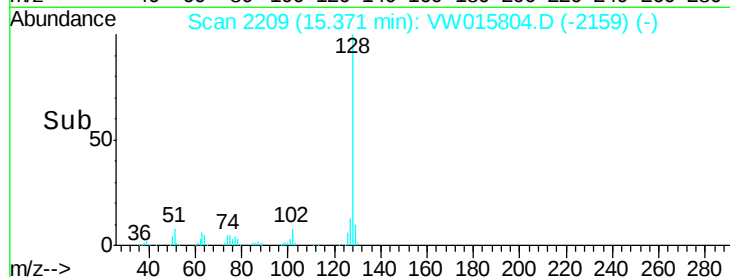
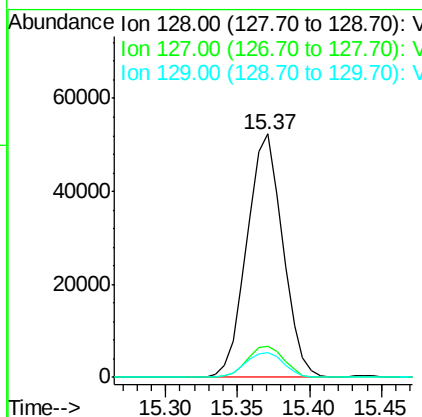
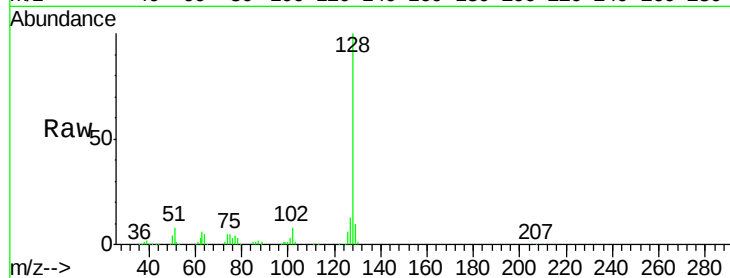
ClientSampleId :

VW0708SBS01

Tot Ion:	128	Resp:	90212
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:47:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.151 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW015804.D

Acq: 08 Jul 2020 12:33

Tgt Ion:	180	Resp:	48001
Ion Ratio	Lower	Upper	
180	100		
182	92.5	47.7	143.1
145	32.8	16.7	50.0

