

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014738.D
 Acq On : 24 Jan 2020 11:25
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:04:40 PM

Quant Time: Jan 24 12:43:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 12:36:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	643895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	988003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	851746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	424997	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	131980	23.01	ug/l	0.00
Spiked Amount			Recovery	=	46.02%	
35) Dibromofluoromethane	7.88	113	120293	21.11	ug/l	0.00
Spiked Amount			Recovery	=	42.22%	
50) Toluene-d8	10.32	98	490614	20.58	ug/l	0.00
Spiked Amount			Recovery	=	41.16%	
62) 4-Bromofluorobenzene	12.62	95	164261	20.36	ug/l	0.00
Spiked Amount			Recovery	=	40.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	81464	21.408	ug/l	97
3) Chloromethane	2.21	50	119225	25.472	ug/l	98
4) Vinyl Chloride	2.36	62	186336	26.883	ug/l	99
5) Bromomethane	2.75	94	96214	22.888	ug/l	98
6) Chloroethane	2.92	64	96222	24.500	ug/l	99
7) Trichlorofluoromethane	3.25	101	77116	22.410	ug/l	95
8) Diethyl Ether	3.68	74	68339	20.854	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	137881	22.215	ug/l	98
10) Methyl Iodide	4.28	142	184965	19.924	ug/l	100
11) Tert butyl alcohol	5.15	59	50359	105.226	ug/l	100
12) 1,1-Dichloroethene	4.03	96	137325	21.149	ug/l	98
13) Acrolein	3.89	56	56763	120.431	ug/l	99
14) Allyl chloride	4.66	41	221775	22.052	ug/l	98
15) Acrylonitrile	5.36	53	176338	119.111	ug/l	99
16) Acetone	4.12	43	160087	102.268	ug/l	97
17) Carbon Disulfide	4.38	76	437017	22.121	ug/l	99
18) Methyl Acetate	4.66	43	79053	21.177	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	177738	22.089	ug/l	100
20) Methylene Chloride	4.91	84	154118	20.624	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	145406	21.087	ug/l	98
22) Diisopropyl ether	6.31	45	431216	22.899	ug/l	97
23) Vinyl Acetate	6.24	43	1318084	117.489	ug/l	99
24) 1,1-Dichloroethane	6.20	63	263106	22.281	ug/l	100
25) 2-Butanone	7.17	43	232592	115.638	ug/l	96
26) 2,2-Dichloropropane	7.16	77	144430	22.073	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	148880	20.589	ug/l	98
28) Bromochloromethane	7.51	49	94749	20.664	ug/l	100
29) Tetrahydrofuran	7.52	42	152935	122.082	ug/l	99
30) Chloroform	7.67	83	242574	22.001	ug/l	100
31) Cyclohexane	7.95	56	265934	21.725	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	196847	22.222	ug/l	100
36) 1,1-Dichloropropene	8.08	75	212153	21.947	ug/l	100
37) Ethyl Acetate	7.25	43	103115	24.122	ug/l	99
38) Carbon Tetrachloride	8.06	117	180567	21.549	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	250672	20.372	ug/l	98
40) Benzene	8.32	78	585828	21.435	ug/l	99
41) Methacrylonitrile	7.48	41	54344	22.659	ug/l	97
42) 1,2-Dichloroethane	8.40	62	162812	22.883	ug/l	100
43) Isopropyl Acetate	8.42	43	182202	23.297	ug/l	99
44) Trichloroethene	9.09	130	146142	19.933	ug/l	98
45) 1,2-Dichloropropane	9.37	63	145926	21.737	ug/l	98
46) Dibromomethane	9.46	93	70984	21.739	ug/l	99
47) Bromodichloromethane	9.64	83	175761	21.503	ug/l	99
48) Methyl methacrylate	9.43	41	88304	23.367	ug/l	94
49) 1,4-Dioxane	9.44	88	27178	454.425	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	491224	121.507	ug/l	99
52) Toluene	10.38	92	360259	21.076	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	172325	20.586	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	213156	20.747	ug/l	99
55) 1,1,2-Trichloroethane	10.78	97	102051	21.468	ug/l	99
56) Ethyl methacrylate	10.64	69	132262	21.519	ug/l	97
57) 1,3-Dichloropropane	10.93	76	180832	21.499	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	202158	107.247	ug/l	99
59) 2-Hexanone	10.96	43	329488	119.006	ug/l	99
60) Dibromochloromethane	11.12	129	110067	20.523	ug/l	98
61) 1,2-Dibromoethane	11.23	107	96678	21.551	ug/l	97
64) Tetrachloroethene	10.86	164	124082	20.173	ug/l	97
65) Chlorobenzene	11.65	112	361351	20.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	121966	20.689	ug/l	98
67) Ethyl Benzene	11.73	91	655553	20.690	ug/l	100
68) m/p-Xylenes	11.84	106	504849	41.731	ug/l	99
69) o-Xylene	12.16	106	224653	20.119	ug/l	100
70) Styrene	12.18	104	392281	20.797	ug/l	99
71) Bromoform	12.35	173	65227	20.641	ug/l #	99
73) Isopropylbenzene	12.46	105	633550	20.215	ug/l	98
74) N-amyl acetate	12.27	43	160101	22.832	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	123149	22.054	ug/l	100
76) 1,2,3-Trichloropropane	12.76	75	91802m	23.099	ug/l	
77) Bromobenzene	12.74	156	145270	19.951	ug/l	97
78) n-propylbenzene	12.80	91	777145	20.931	ug/l	100
79) 2-Chlorotoluene	12.89	91	435052	20.605	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	535332	20.247	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	40005	22.413	ug/l	98
82) 4-Chlorotoluene	12.99	91	453441	20.644	ug/l	99
83) tert-Butylbenzene	13.20	119	464596	20.133	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	537924	20.424	ug/l	100
85) sec-Butylbenzene	13.38	105	657778	20.536	ug/l	100
86) p-Isopropyltoluene	13.49	119	592398	20.271	ug/l	100
87) 1,3-Dichlorobenzene	13.49	146	288735	20.376	ug/l	99
88) 1,4-Dichlorobenzene	13.57	146	282249	20.230	ug/l	99
89) n-Butylbenzene	13.82	91	567330	20.847	ug/l	98
90) Hexachloroethane	14.09	117	101769	20.009	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	254546	20.434	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19760	22.406	ug/l	94

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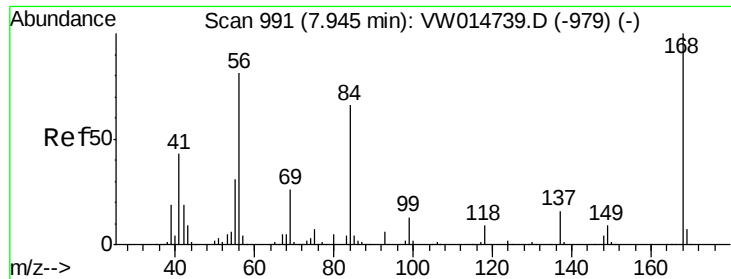
Manual Integrations
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1/27/2020 12:04:40 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 24 12:36:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	164104	19.688	ug/l	98
94) Hexachlorobutadiene	15.23	225	108782	19.318	ug/l	98
95) Naphthalene	15.36	128	278141	19.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	139606	19.248	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 643895

Ion Ratio Lower Upper

168 100

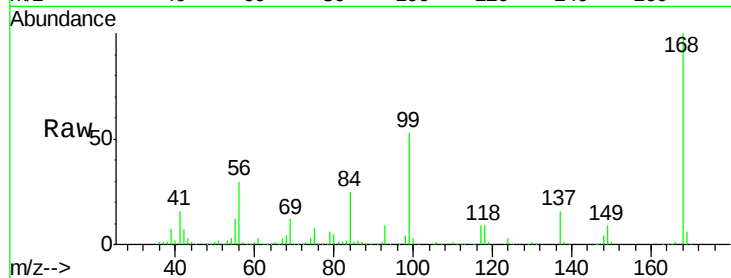
99 53.4 42.6 64.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

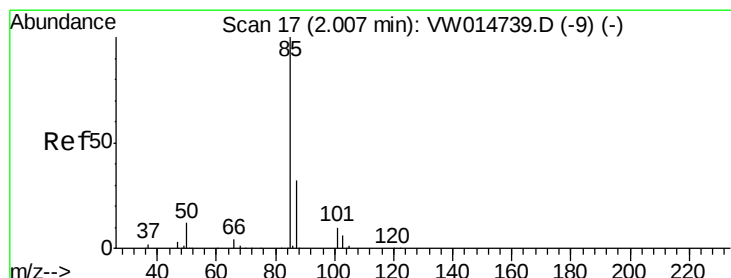
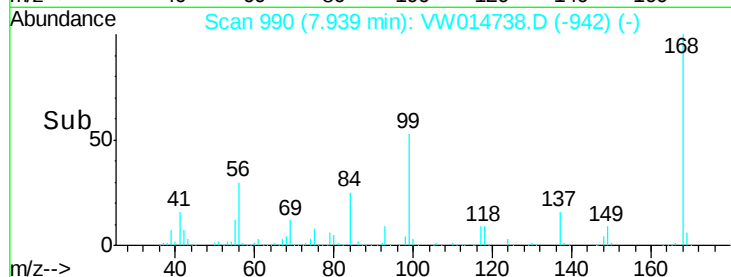
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.408 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014738.D

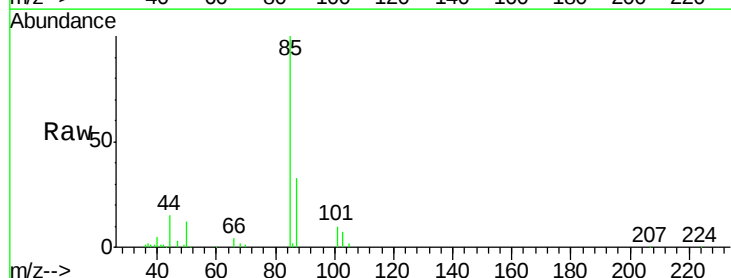
Acq: 24 Jan 2020 11:25

Tgt Ion: 85 Resp: 81464

Ion Ratio Lower Upper

85 100

87 33.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

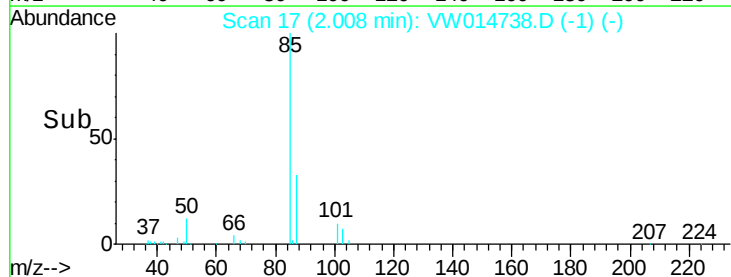
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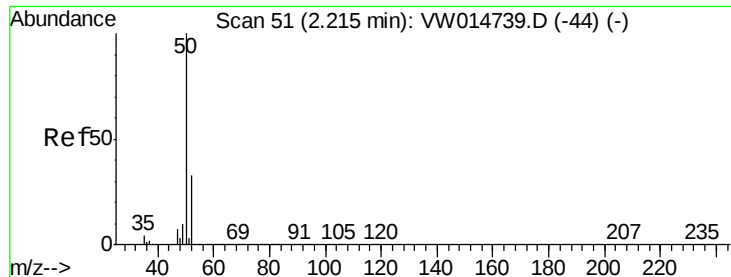
10000

5000

0

Time-->





#3

Chloromethane

Concen: 25.472 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 119225

Ion Ratio Lower Upper

50 100

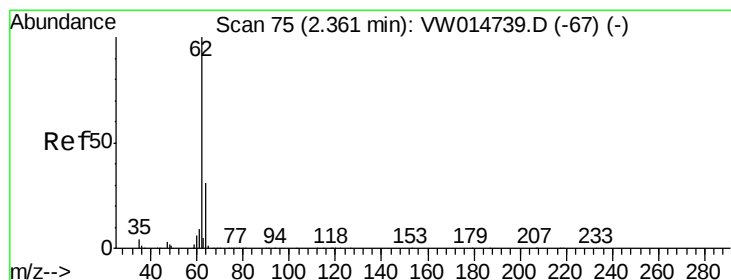
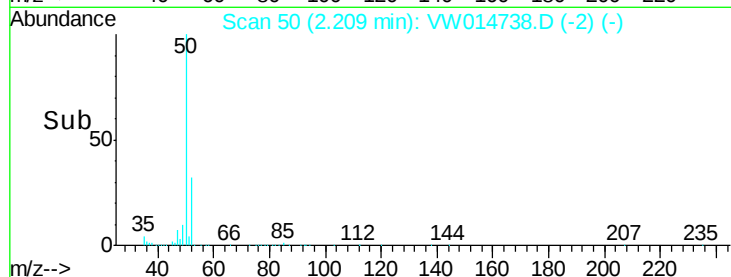
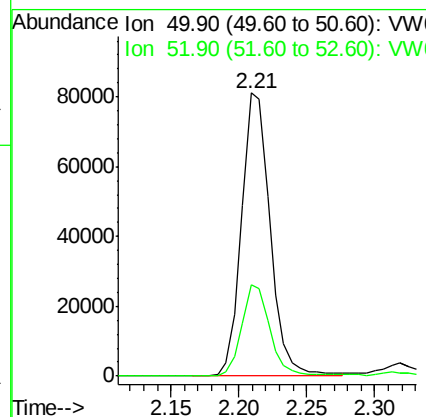
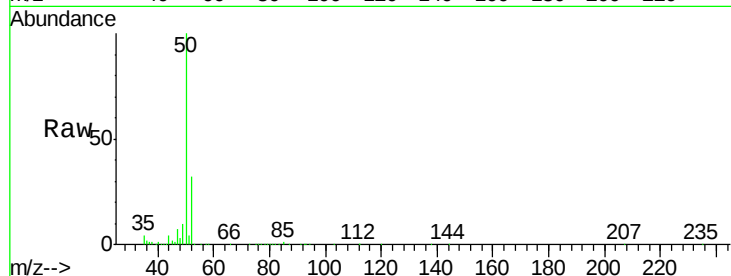
52 32.3 26.7 40.1

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#4

Vinyl Chloride

Concen: 26.883 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014738.D

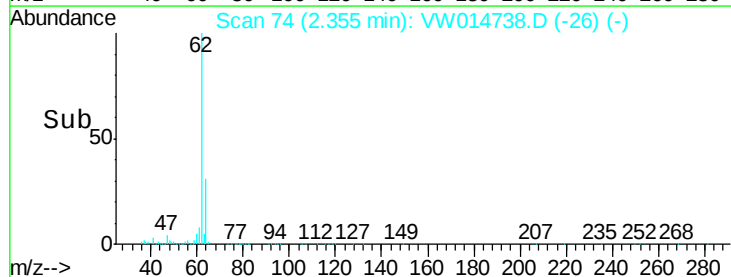
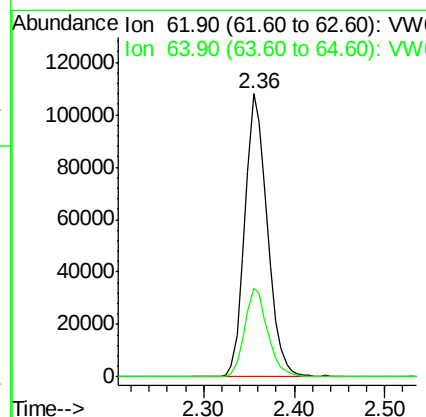
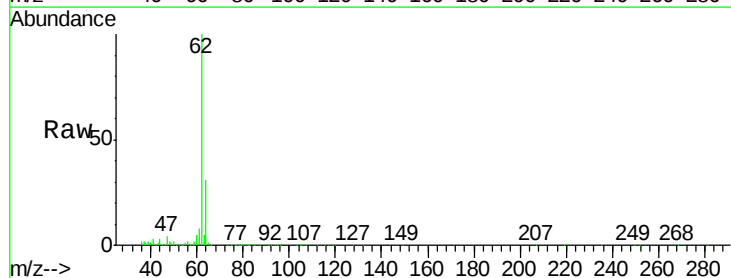
Acq: 24 Jan 2020 11:25

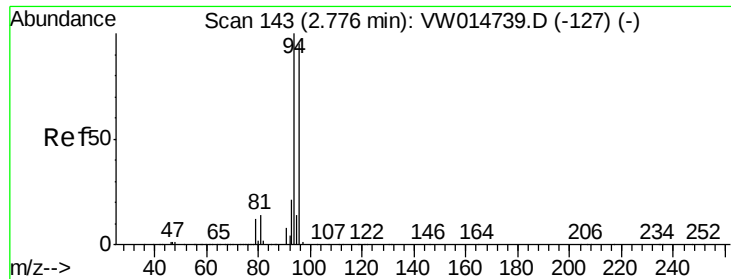
Tgt Ion: 62 Resp: 186336

Ion Ratio Lower Upper

62 100

64 31.3 24.7 37.1





#5

Bromomethane

Concen: 22.888 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.03 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 96214

Ion Ratio Lower Upper

94 100

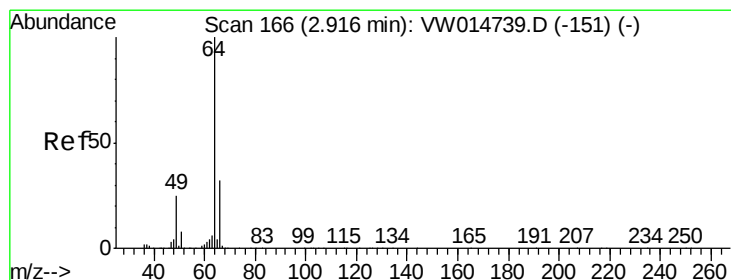
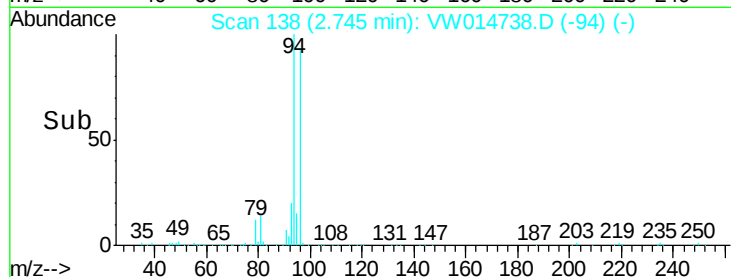
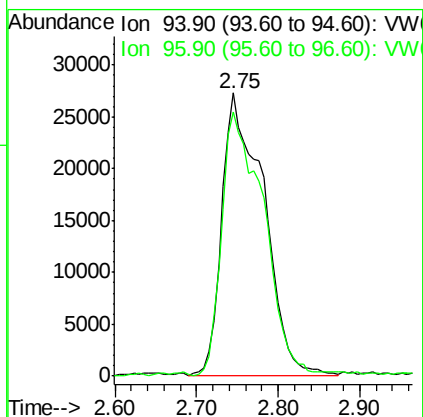
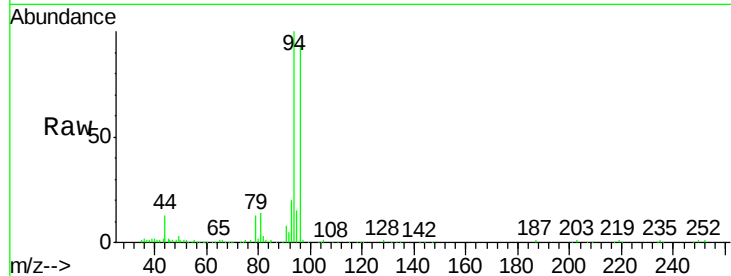
96 93.0 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 24.500 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014738.D

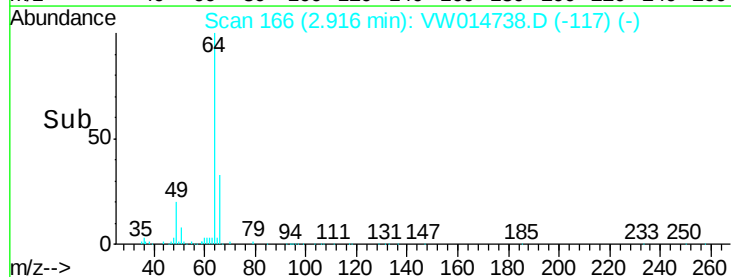
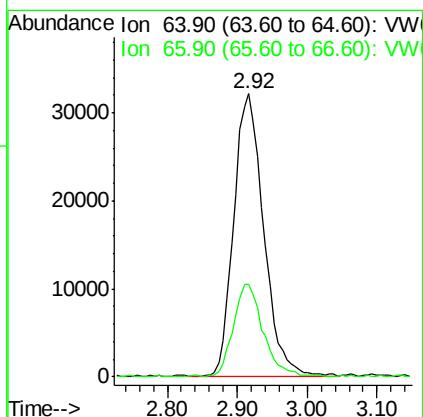
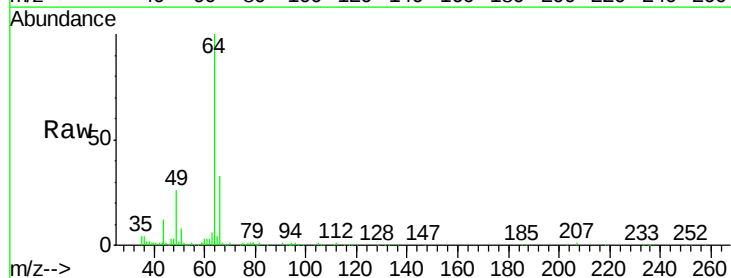
Acq: 24 Jan 2020 11:25

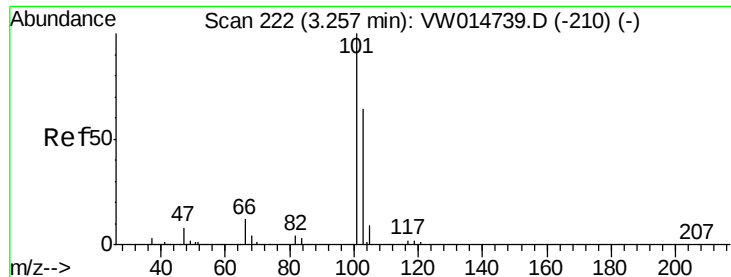
Tgt Ion: 64 Resp: 96222

Ion Ratio Lower Upper

64 100

66 32.6 25.5 38.3





#7

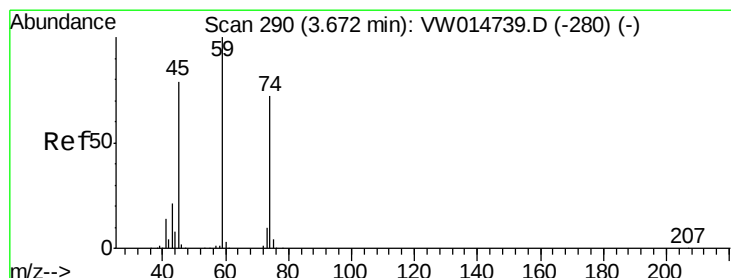
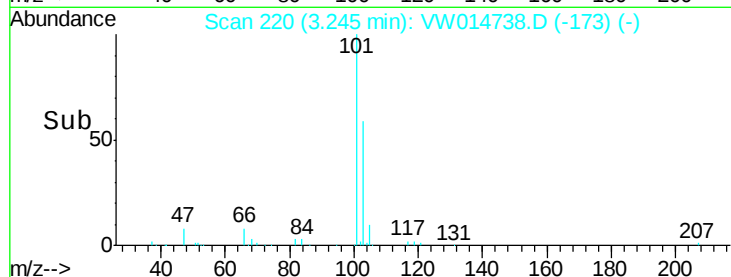
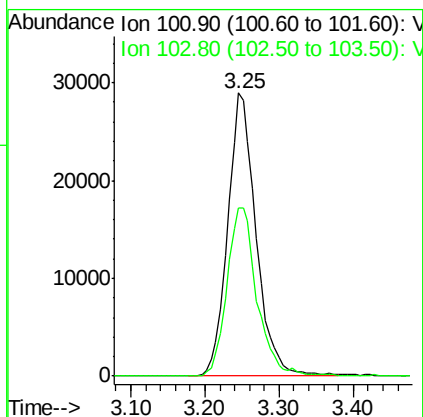
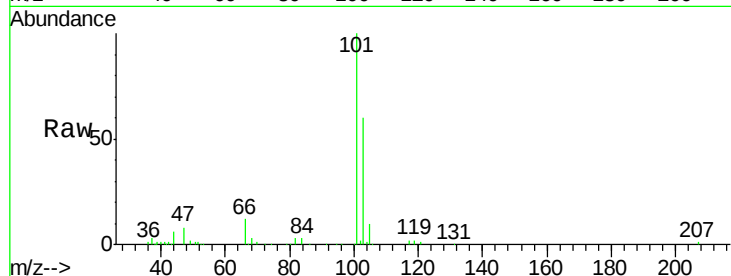
Trichlorofluoromethane
Concen: 22.410 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.6	50.8	76.2

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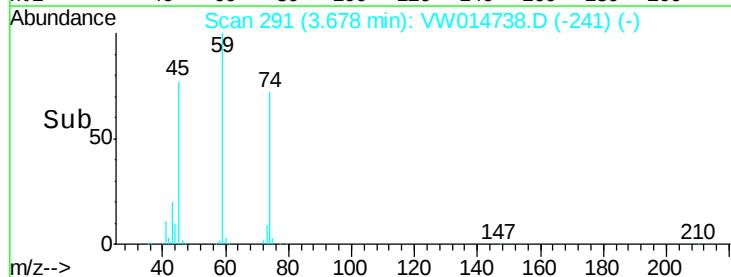
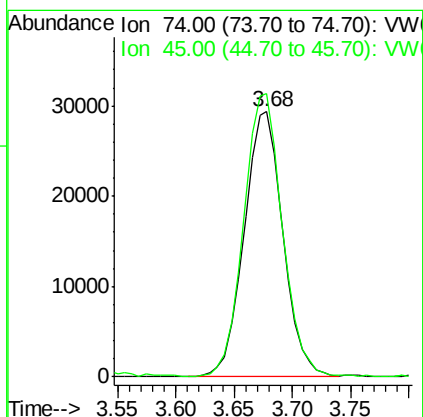
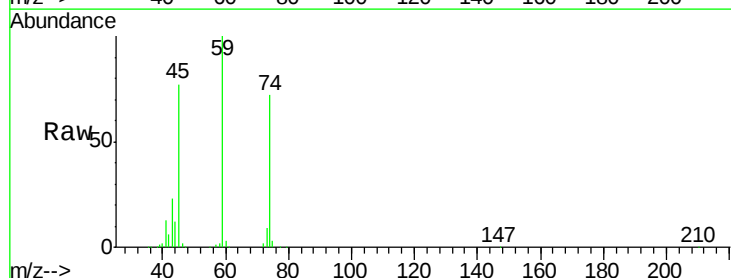
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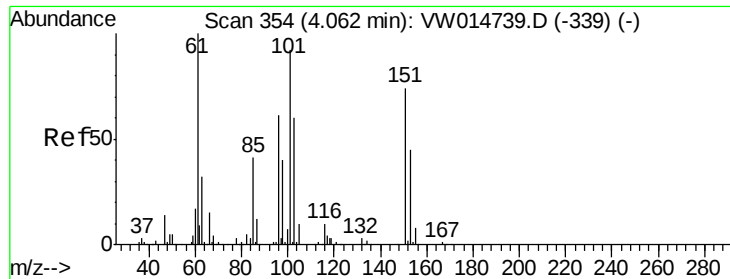


#8

Diethyl Ether
Concen: 20.854 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.8	52.7	158.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.215 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

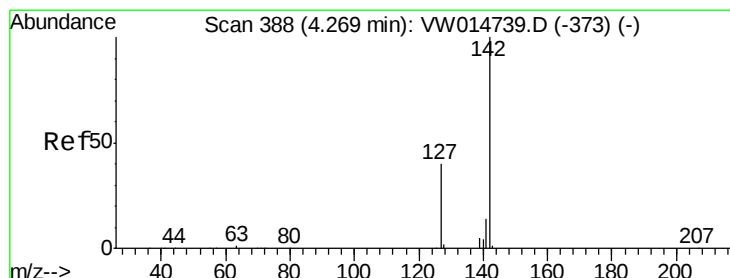
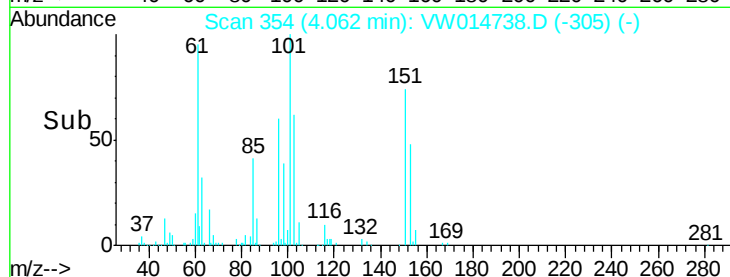
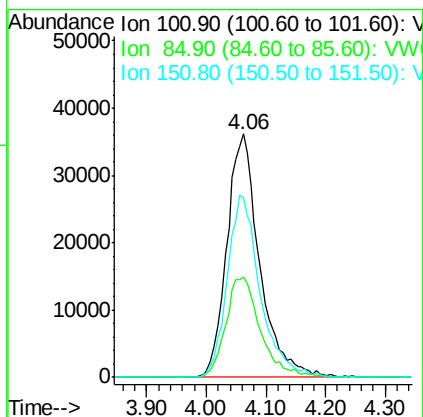
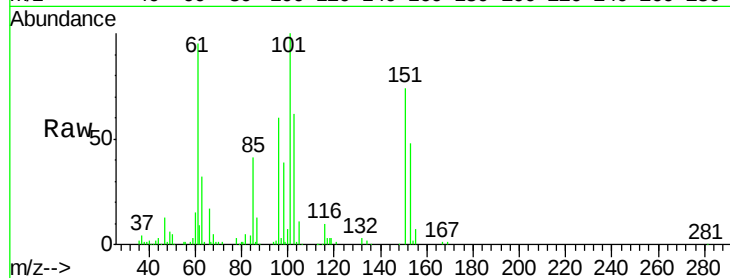
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	137881
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.4	51.6
151	75.2	61.5	92.3

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#10

Methyl Iodide

Concen: 19.924 ug/l

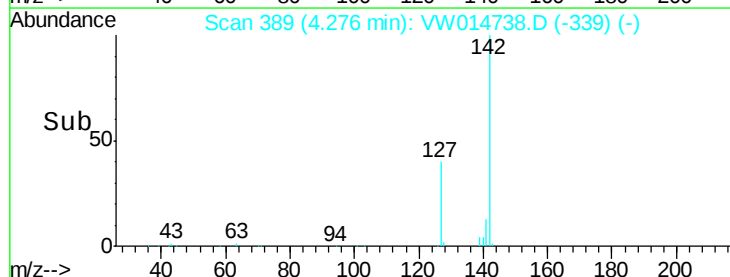
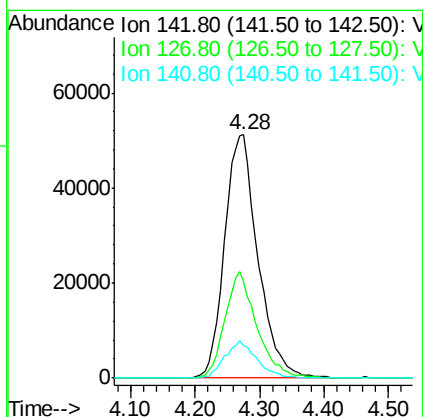
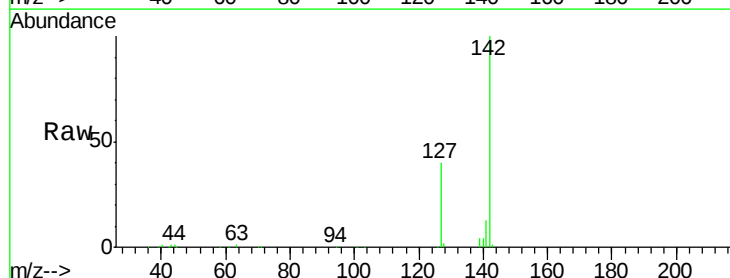
RT: 4.28 min Scan# 389

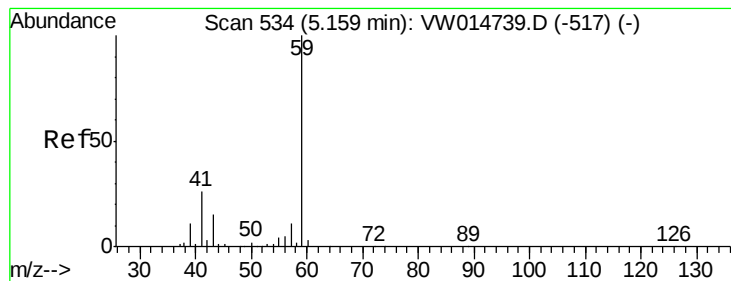
Delta R.T. 0.01 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Tgt Ion:	142	Resp:	184965
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.2	49.8
141	14.8	11.8	17.6





#11

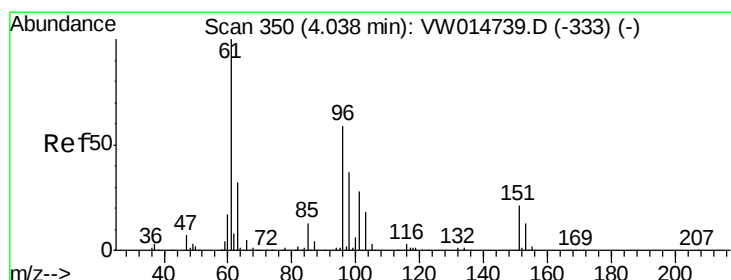
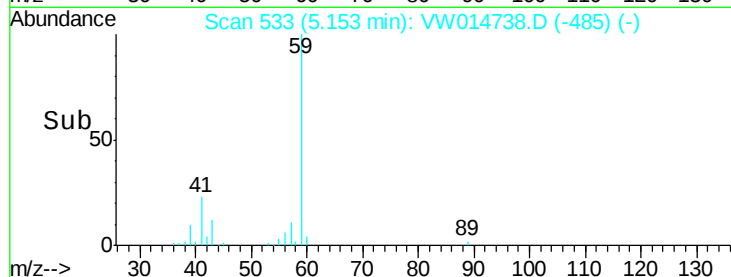
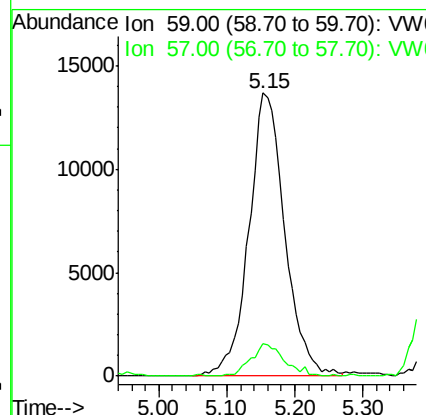
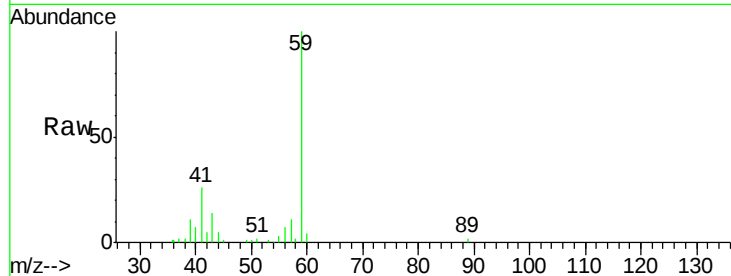
Tert butyl alcohol
Concen: 105.226 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Manual Integrations
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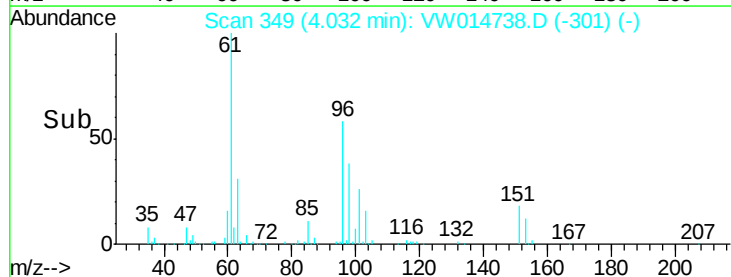
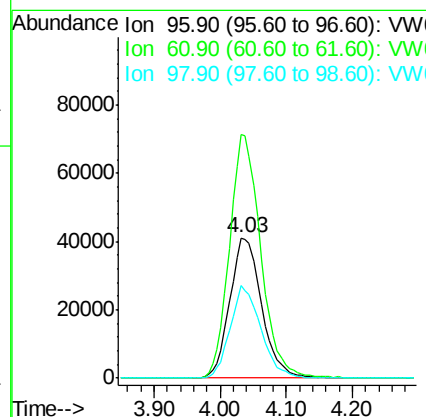
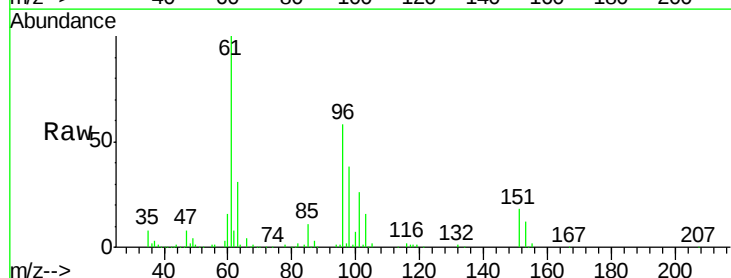
MMDadoda
1/27/2020 12:04:40 PM

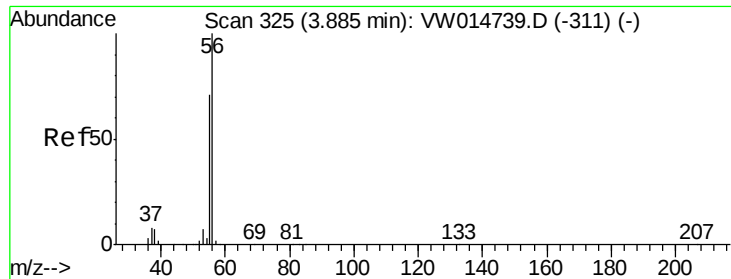


#12

1,1-Dichloroethene
Concen: 21.149 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.5	136.3	204.5
98	65.6	51.0	76.6





#13

Acrolein

Concen: 120.431 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 56763

Ion Ratio Lower Upper

56 100

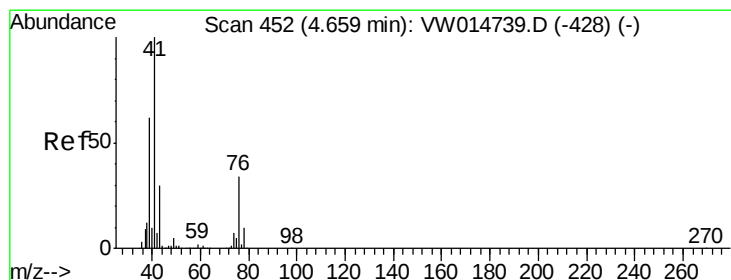
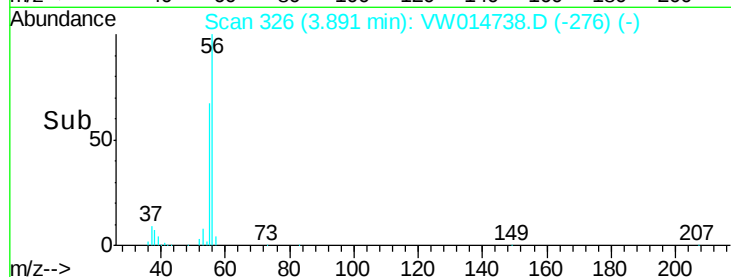
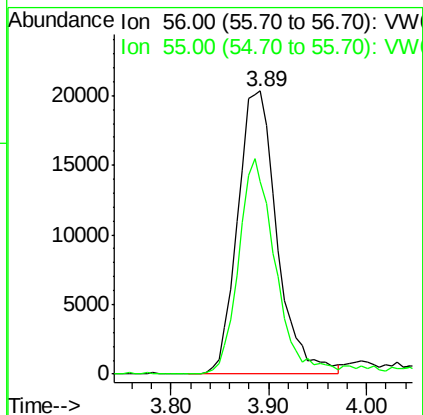
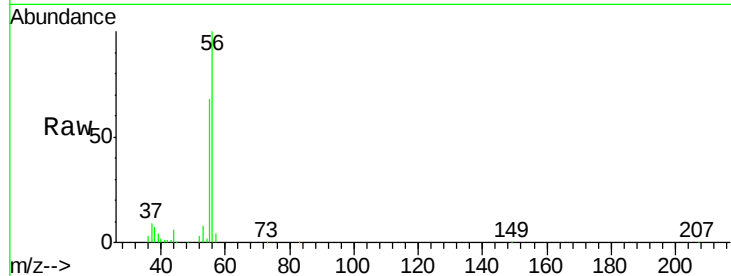
55 70.7 55.7 83.5

Manual Integrations

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#14

Allyl chloride

Concen: 22.052 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

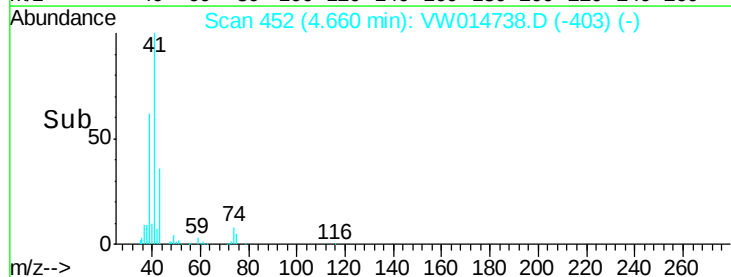
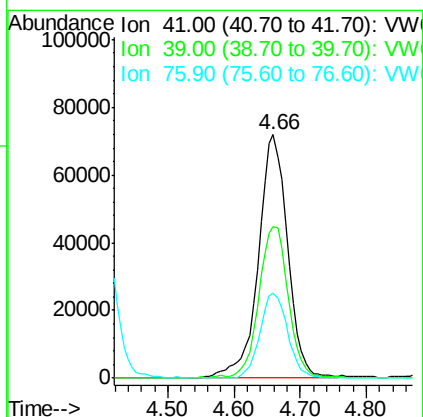
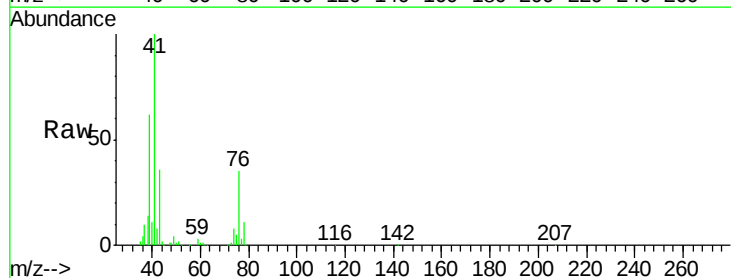
Tgt Ion: 41 Resp: 221775

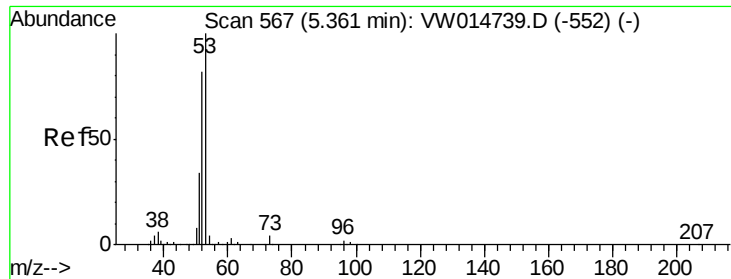
Ion Ratio Lower Upper

41 100

39 60.7 50.0 75.0

76 33.0 26.7 40.1





#15

Acrylonitrile

Concen: 119.111 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

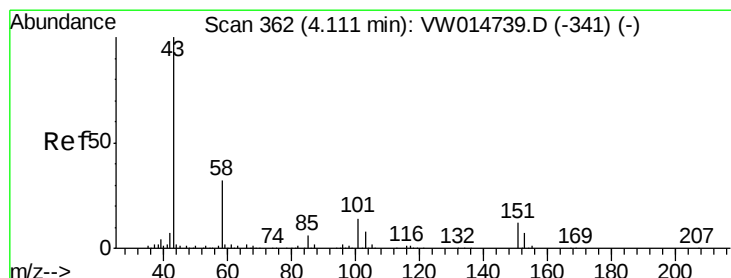
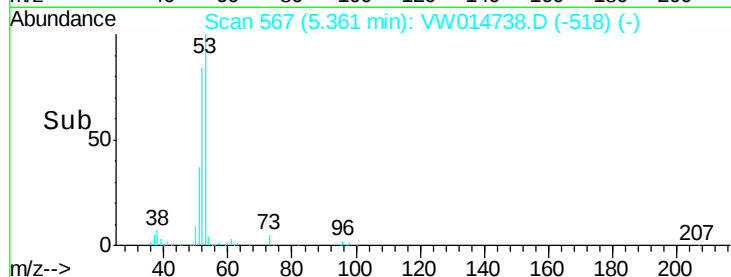
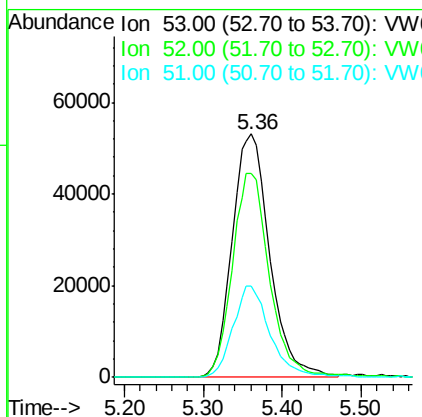
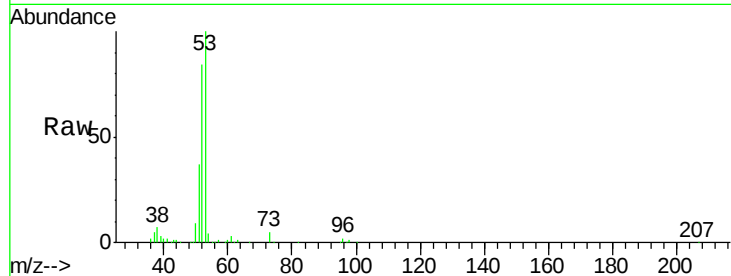
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	176338
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.0	99.0
51	37.2	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 102.268 ug/l

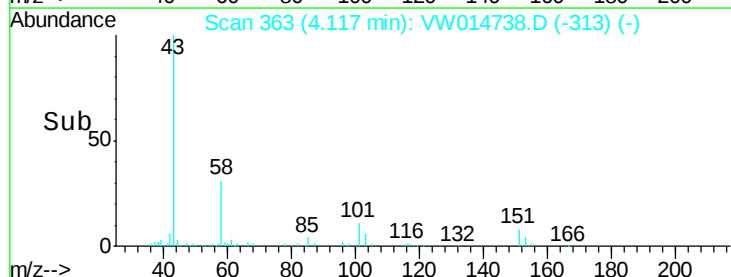
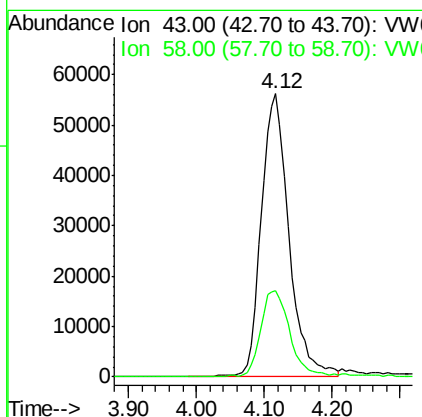
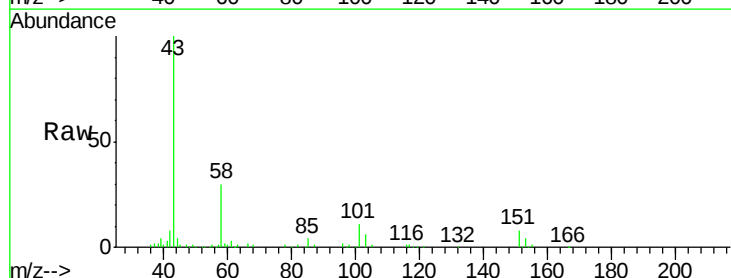
RT: 4.12 min Scan# 363

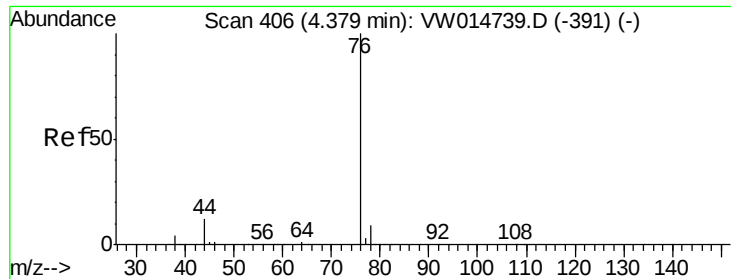
Delta R.T. 0.01 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Tgt Ion:	43	Resp:	160087
Ion Ratio	Lower	Upper	
43	100		
58	30.5	25.6	38.4





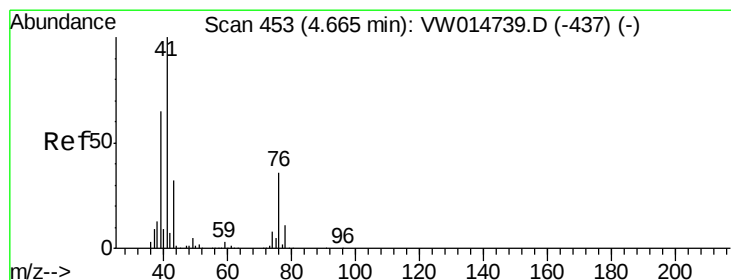
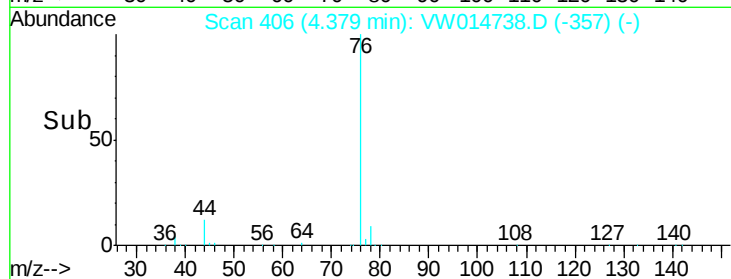
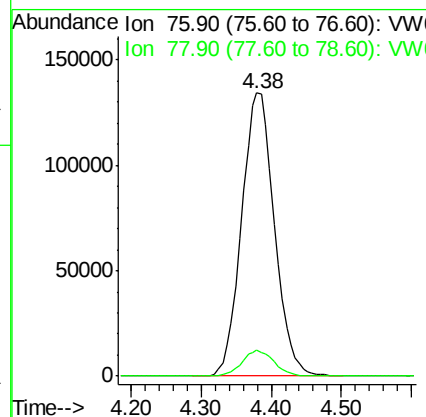
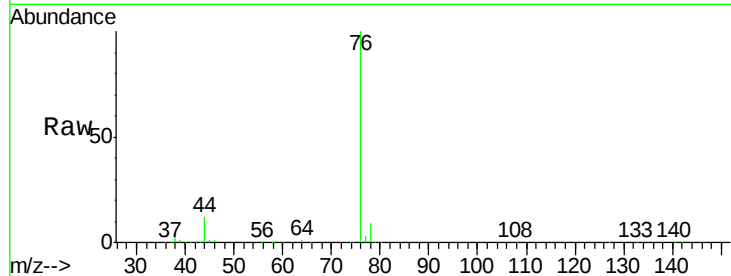
#17
Carbon Disulfide
Concen: 22.121 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

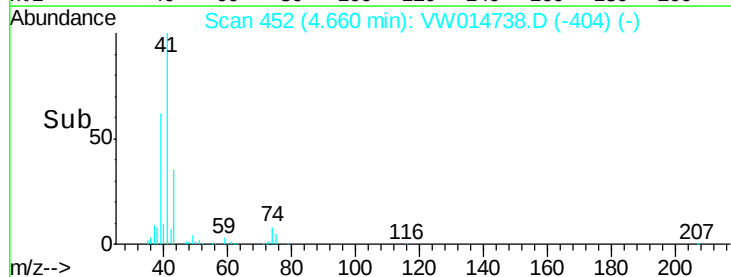
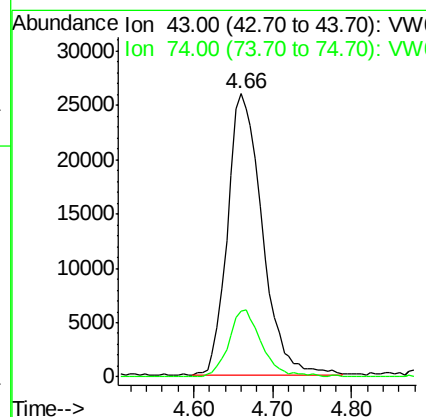
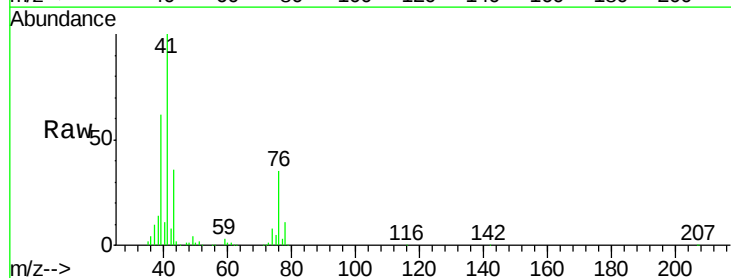
Manual Integrations
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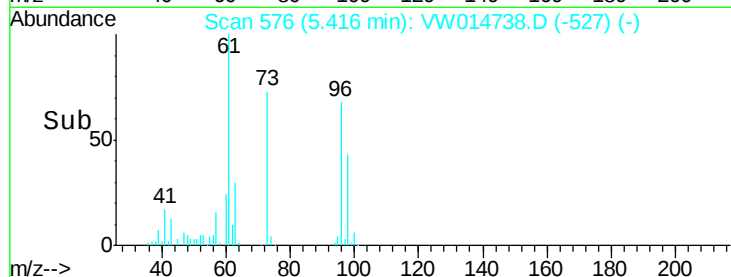
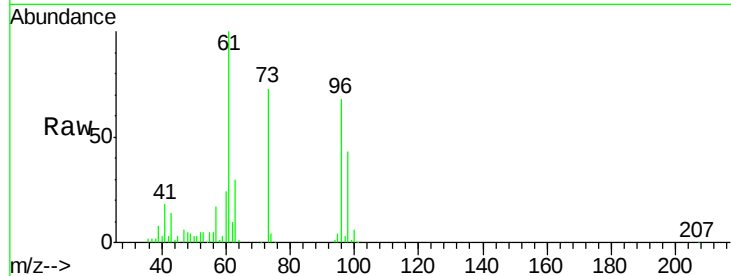
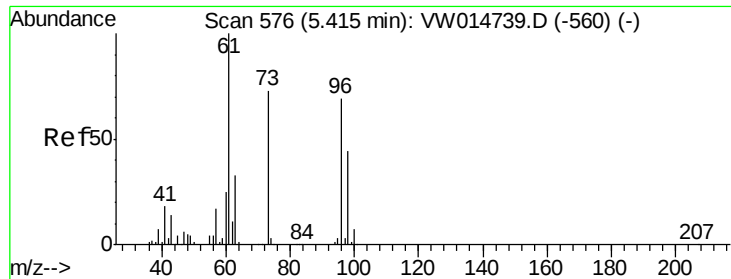
MMDadoda
1/27/2020 12:04:40 PM



#18
Methyl Acetate
Concen: 21.177 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.4	27.6





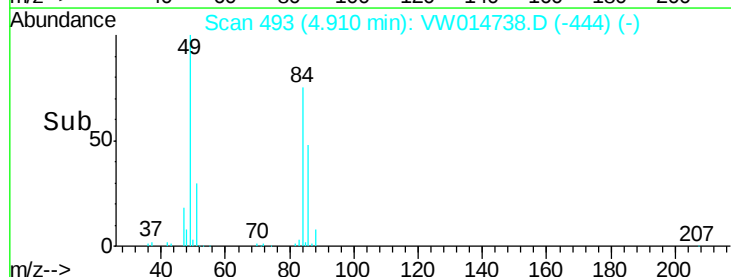
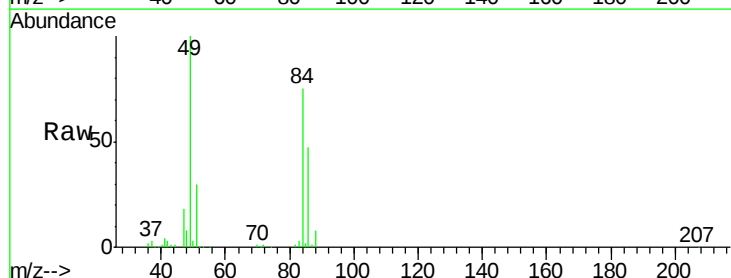
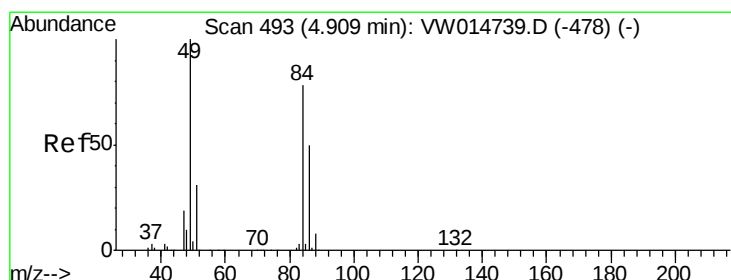
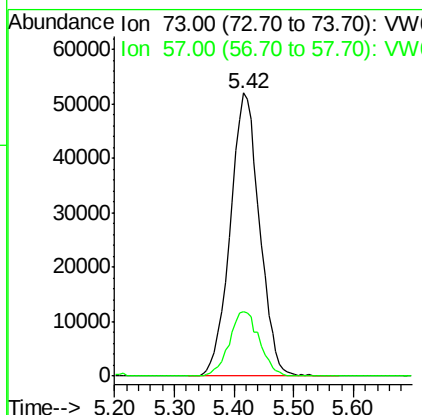
#19
Methyl tert-butyl Ether
Concen: 22.089 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tot Ion: 73 Resp: 177738
Ion Ratio Lower Upper
73 100
57 22.9 18.5 27.7

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

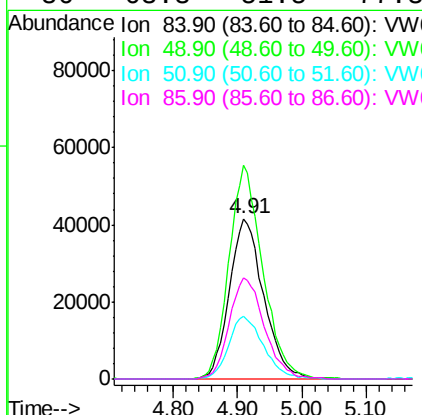
Manual Integrations
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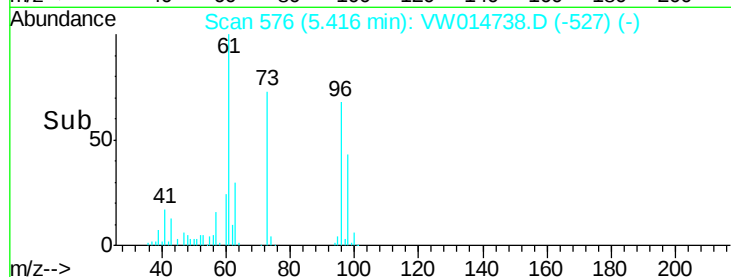
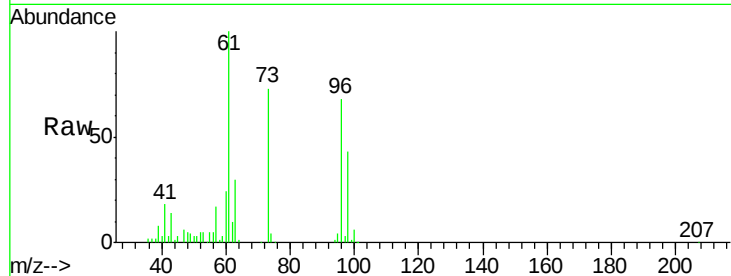
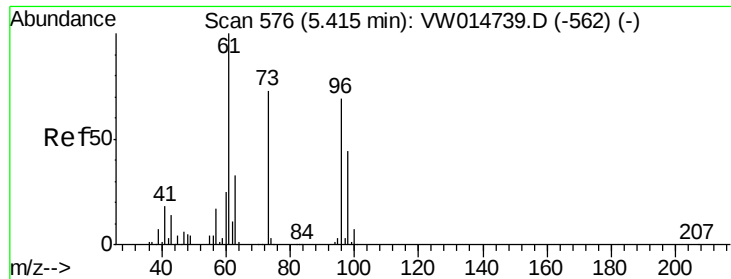
MMDadoda
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#20
Methylene Chloride
Concen: 20.624 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion: 84 Resp: 154118
Ion Ratio Lower Upper
84 100
49 133.3 103.1 154.7
51 39.4 32.1 48.1
86 63.3 51.5 77.3





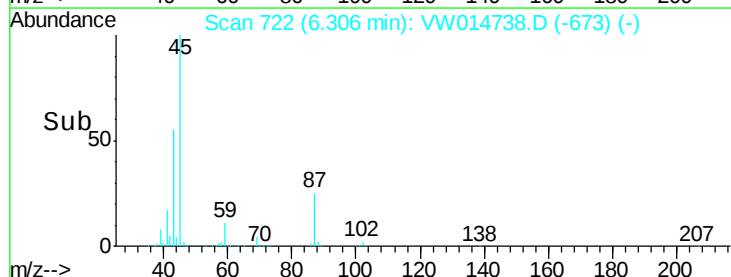
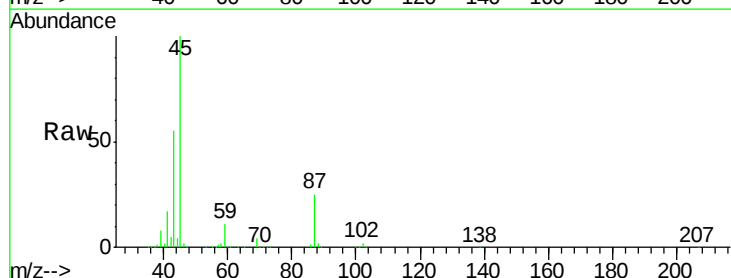
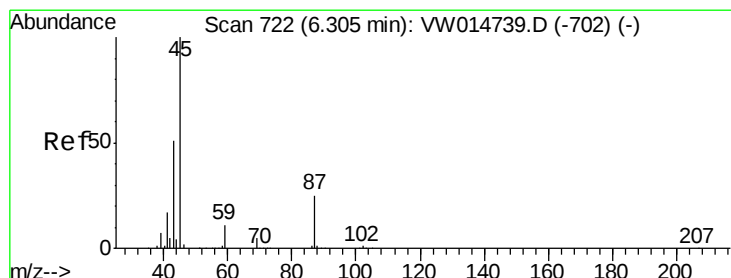
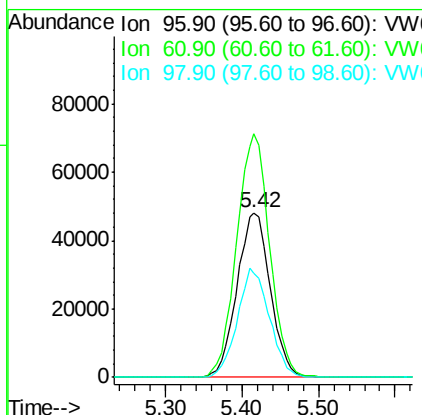
#21
trans-1,2-Dichloroethene
Concen: 21.087 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	116.1	174.1
98	63.0	51.6	77.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

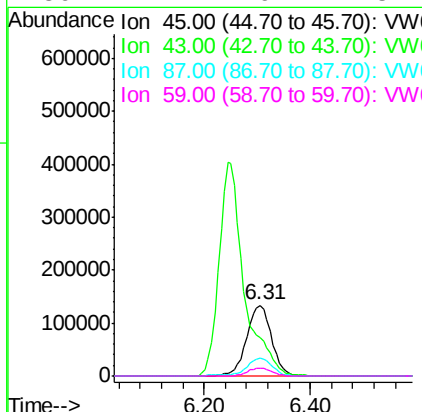
Manual Integrations
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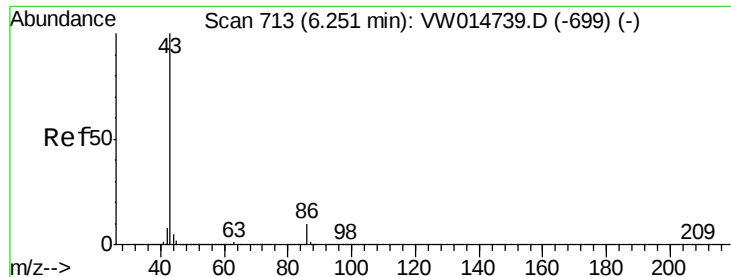
MMDadoda
1/27/2020 12:04:40 PM



#22
Diisopropyl ether
Concen: 22.899 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.8	40.9	61.3
87	25.2	20.3	30.5
59	11.2	9.1	13.7





#23

Vinyl Acetate

Concen: 117.489 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 1318084

Ion Ratio Lower Upper

43 100

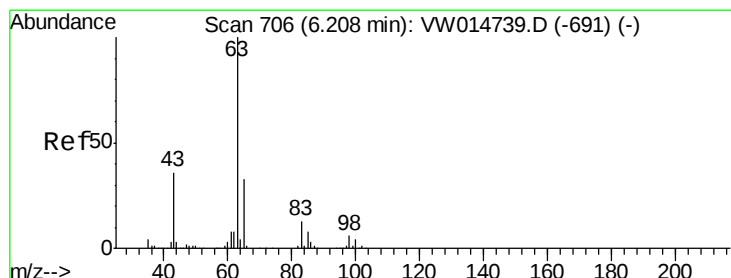
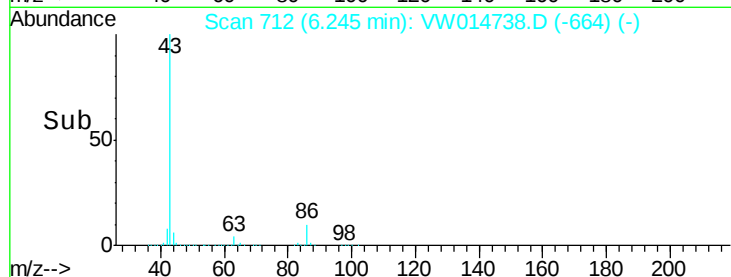
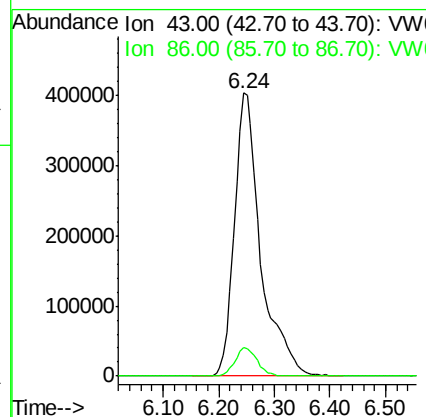
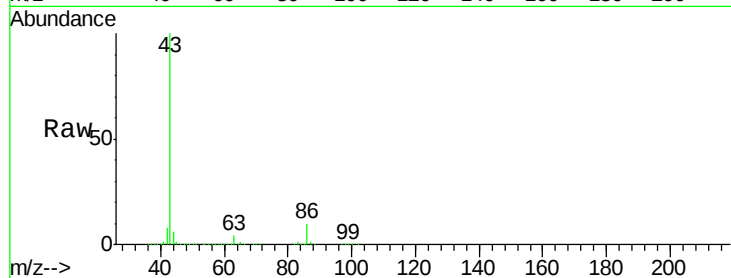
86 10.2 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 22.281 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

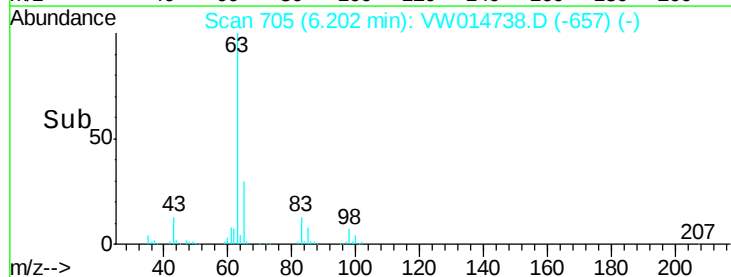
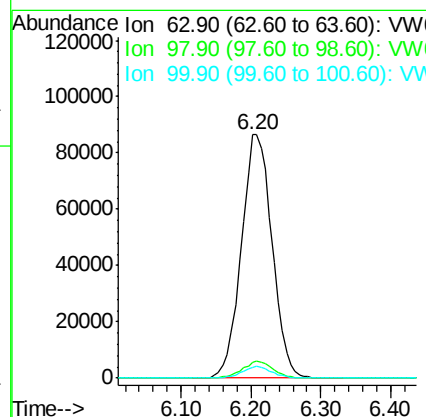
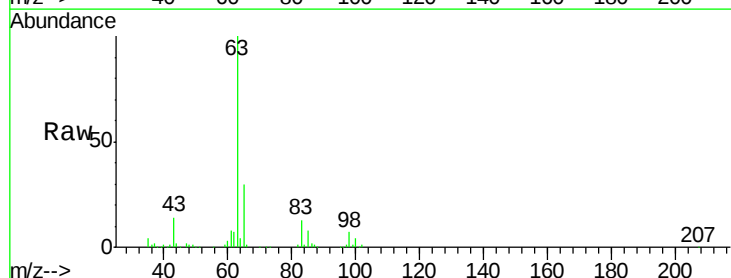
Tgt Ion: 63 Resp: 263106

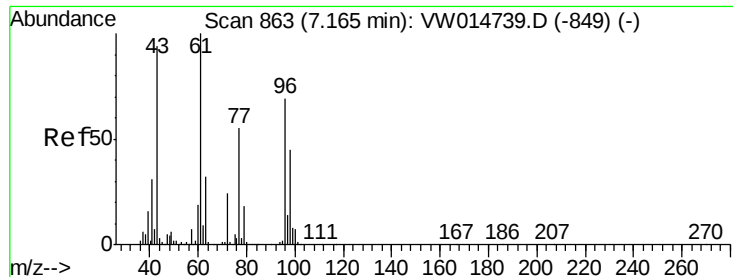
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 115.638 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 232592

Ion Ratio Lower Upper

43 100

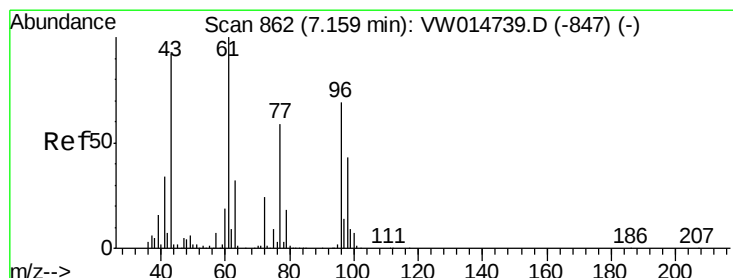
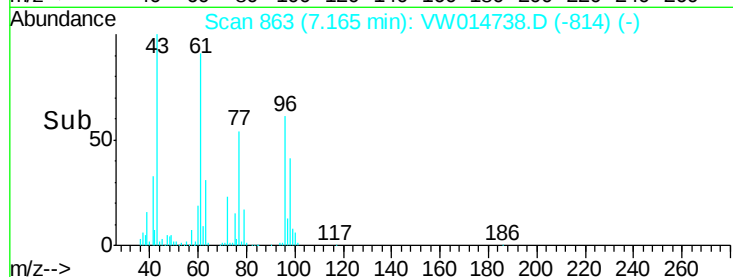
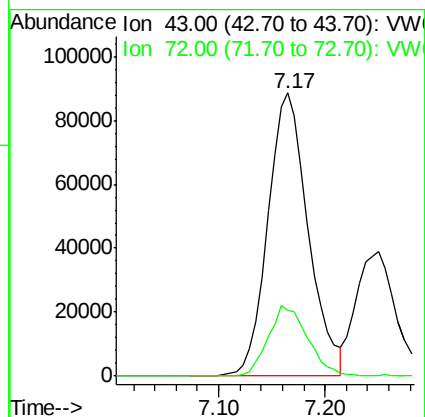
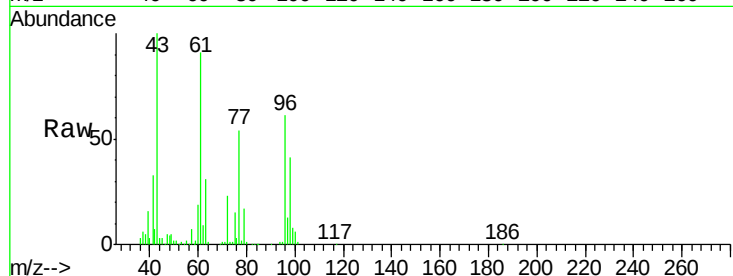
72 23.2 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.073 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW014738.D

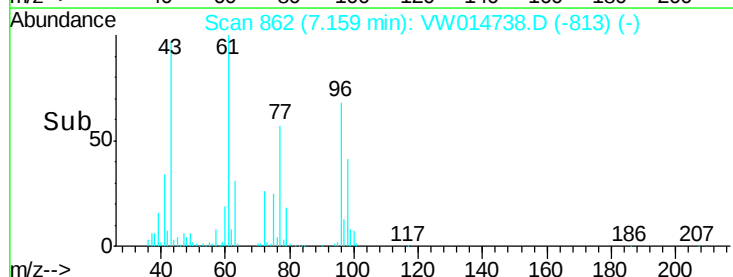
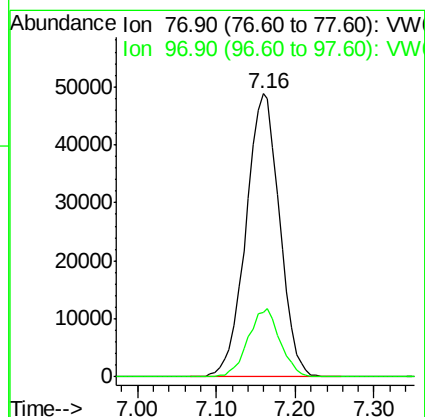
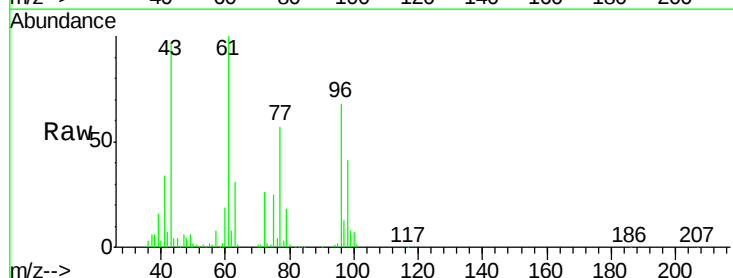
Acq: 24 Jan 2020 11:25

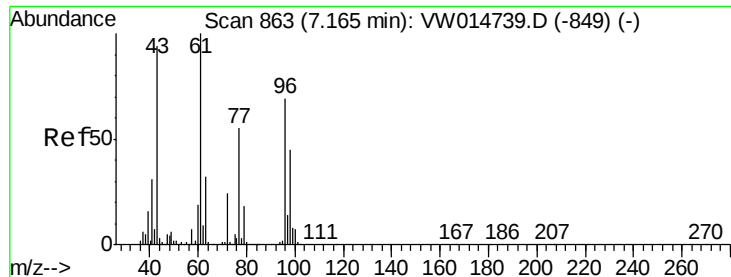
Tgt Ion: 77 Resp: 144430

Ion Ratio Lower Upper

77 100

97 22.8 11.9 35.9





#27

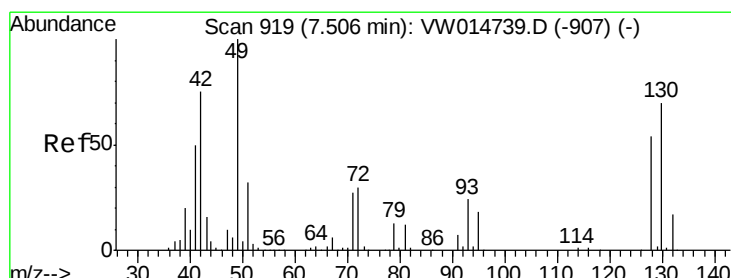
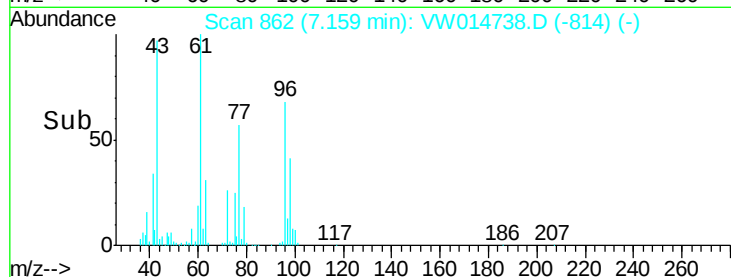
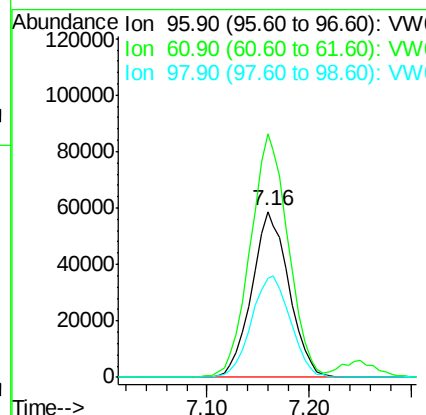
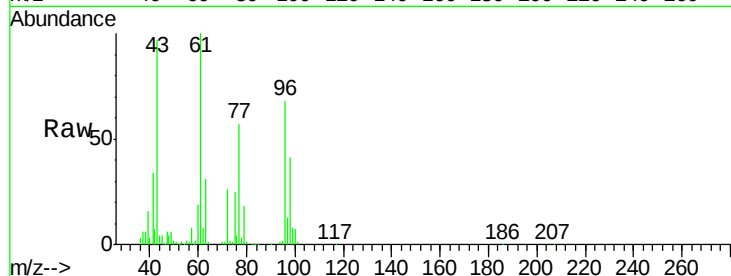
cis-1,2-Dichloroethene
Concen: 20.589 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	292.2
98	64.3	0.0	127.6

Manual Integrations
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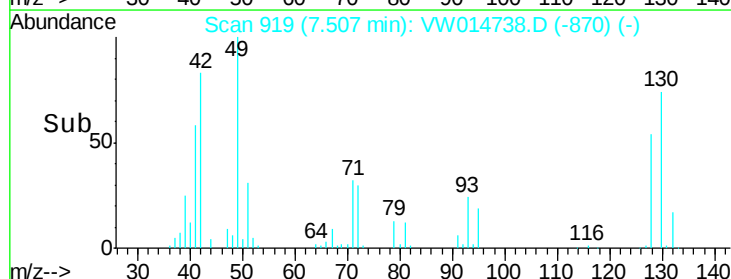
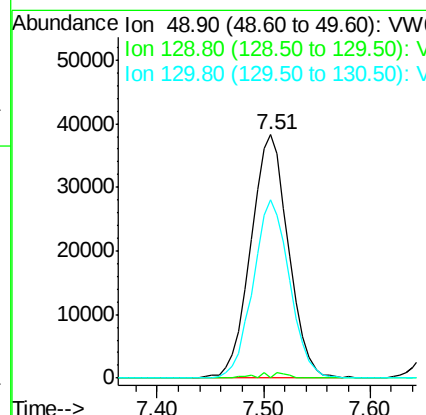
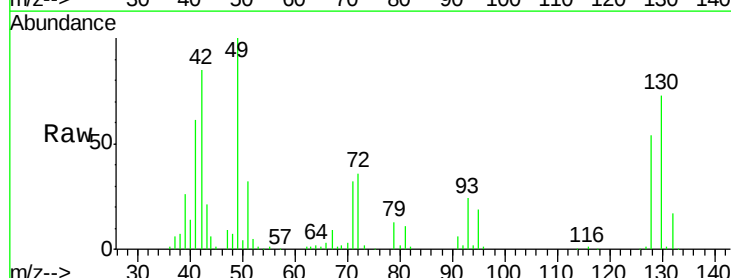
MMDadoda
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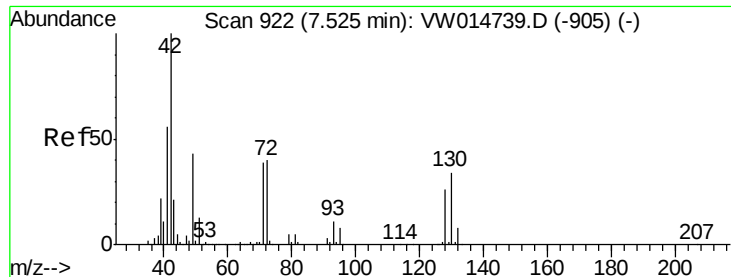


#28

Bromochloromethane
Concen: 20.664 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.6
130	71.2	56.7	85.1





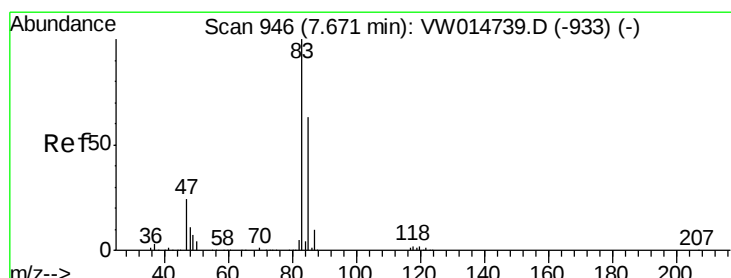
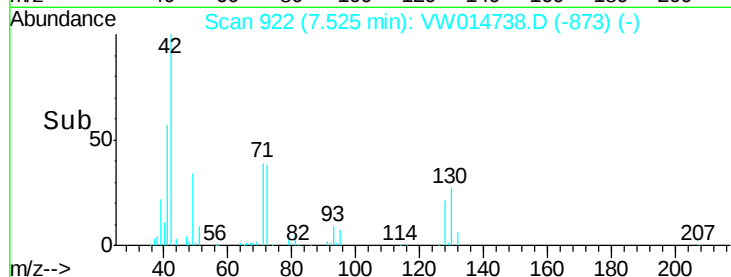
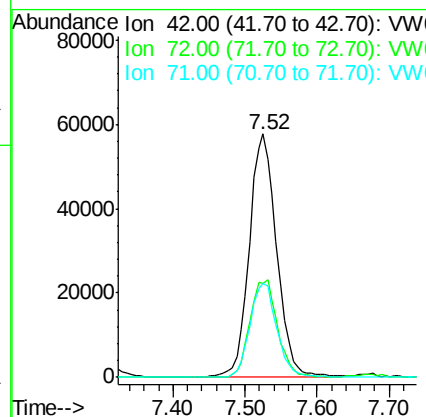
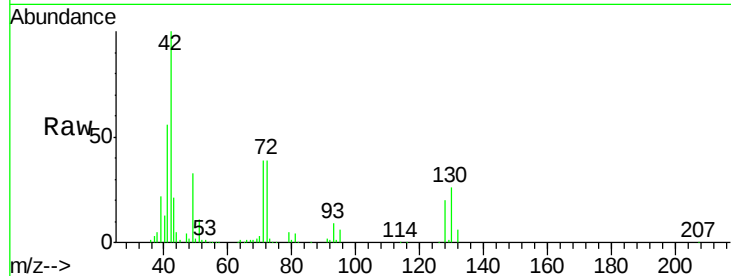
#29
Tetrahydrofuran
Concen: 122.082 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.3	48.5
71	37.7	31.0	46.4

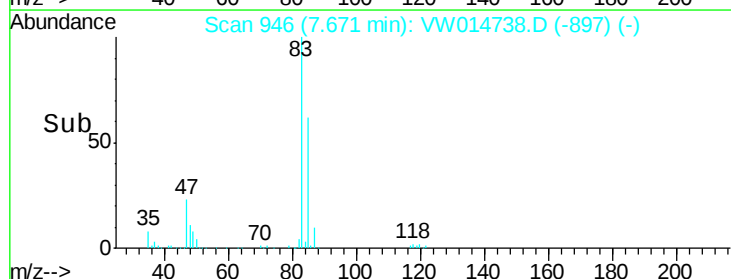
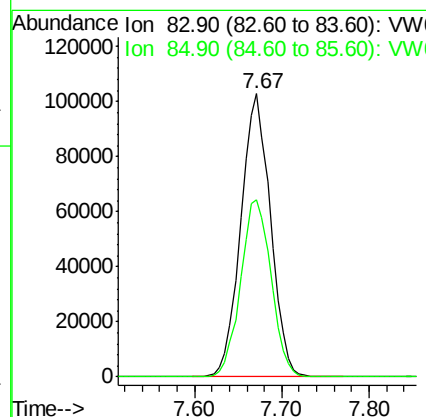
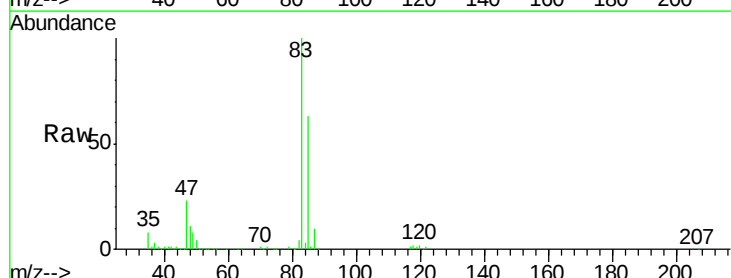
Manual Integrations
APPROVED

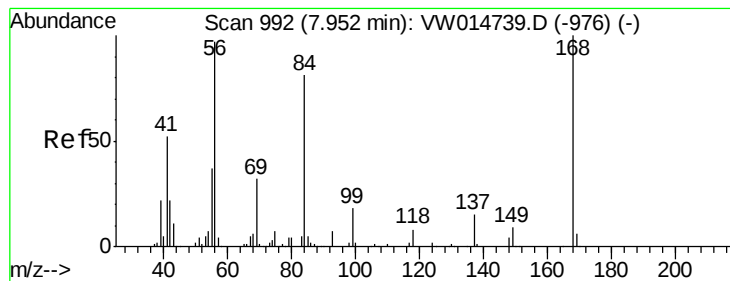
MMDadoda
1/27/2020 12:04:40 PM



#30
Chloroform
Concen: 22.001 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.1	75.1





#31

Cyclohexane

Concen: 21.725 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 265934

Ion Ratio Lower Upper

56 100

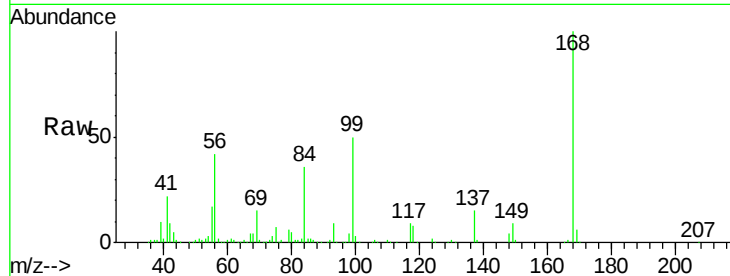
69 36.3 26.0 39.0

84 85.7 66.6 99.8

Manual Integrations
APPROVED

MMDadoda

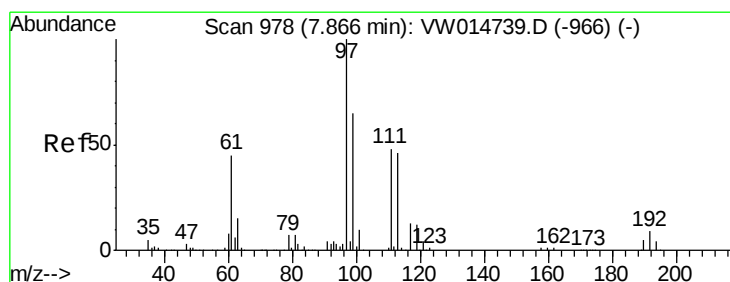
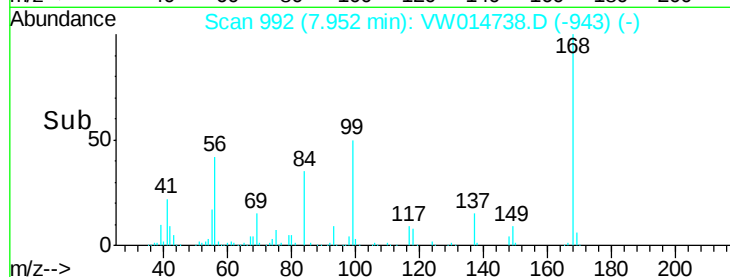
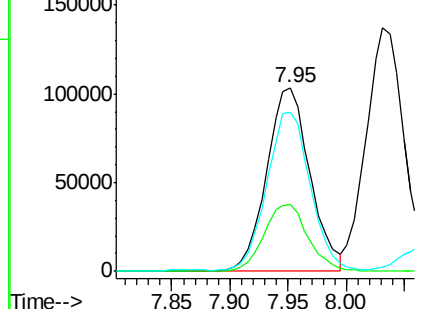
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 22.222 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

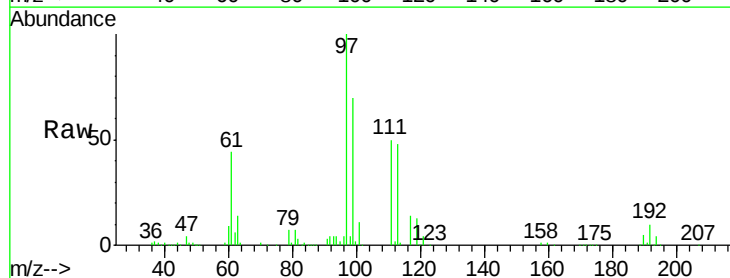
Tgt Ion: 97 Resp: 196847

Ion Ratio Lower Upper

97 100

99 65.2 52.2 78.4

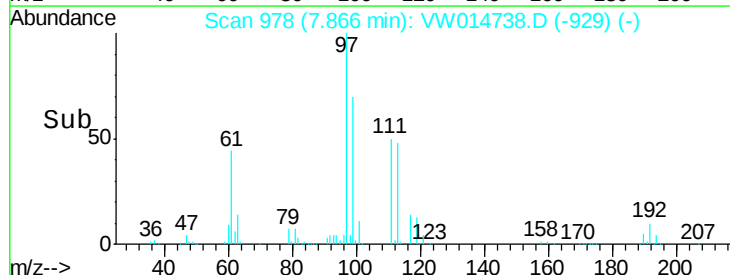
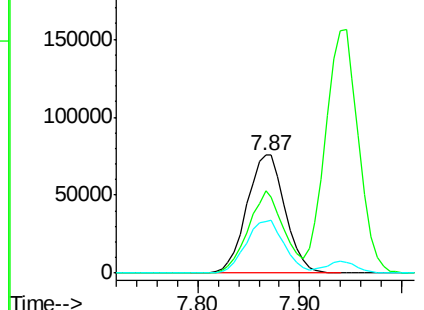
61 45.0 36.2 54.4

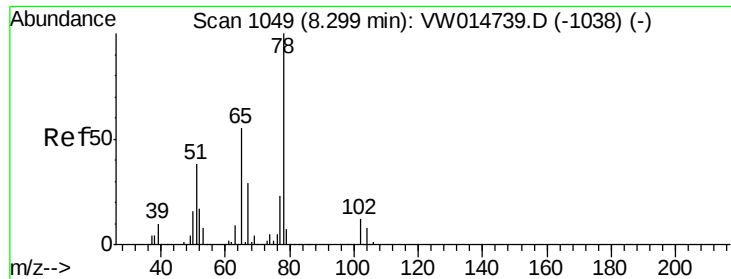


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





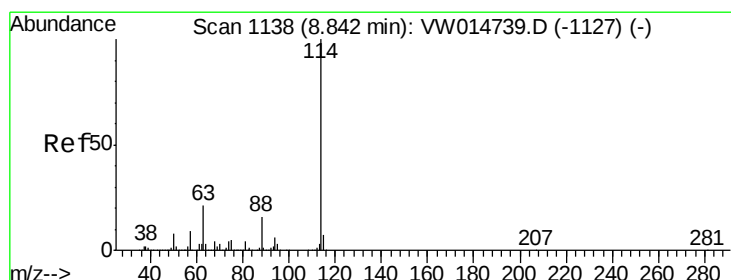
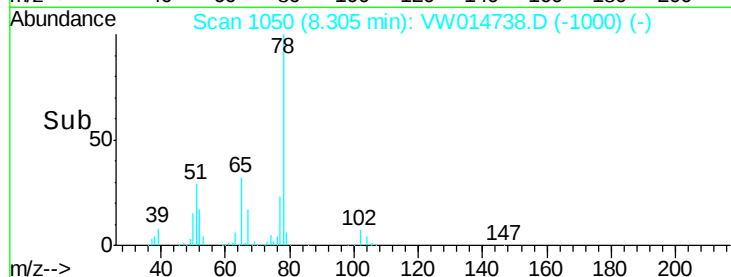
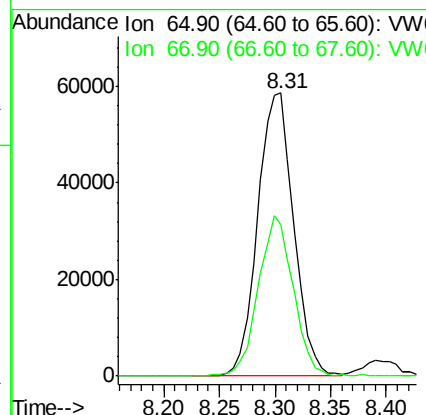
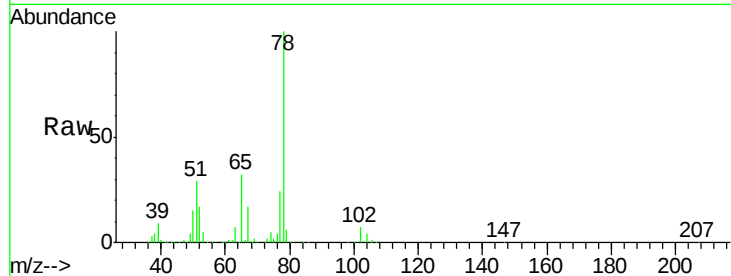
#33
 1,2-Dichloroethane-d4
 Concen: 23.005 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.01 min
 Lab File: VW014738.D
 Acq: 24 Jan 2020 11:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	131980		
67	55.1	0.0	106.0	

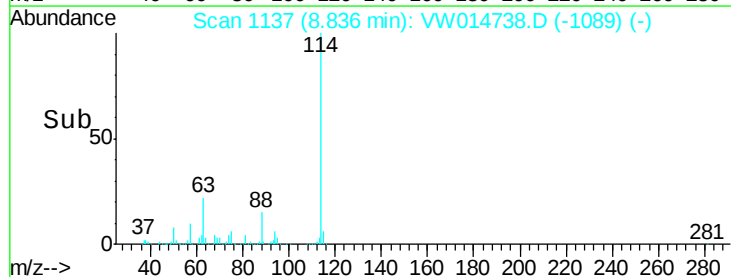
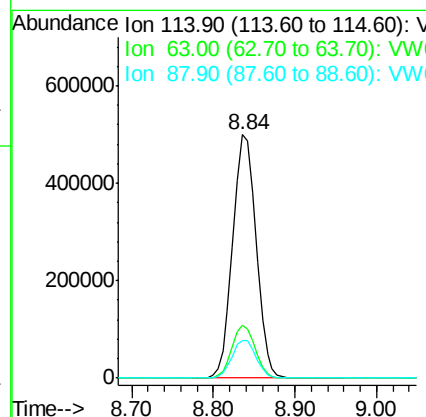
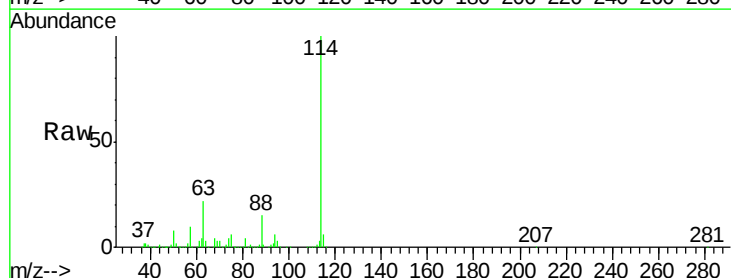
Manual Integrations
 APPROVED

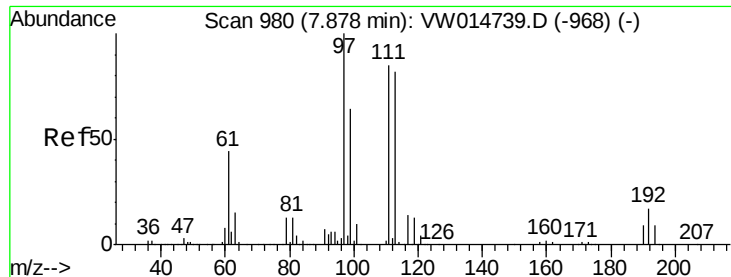
MMDadoda
 1/27/2020 12:04:40 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014738.D
 Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	988003		
63	21.8	0.0	41.2	
88	15.4	0.0	32.2	





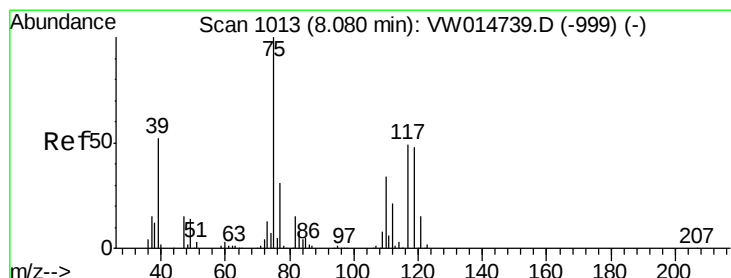
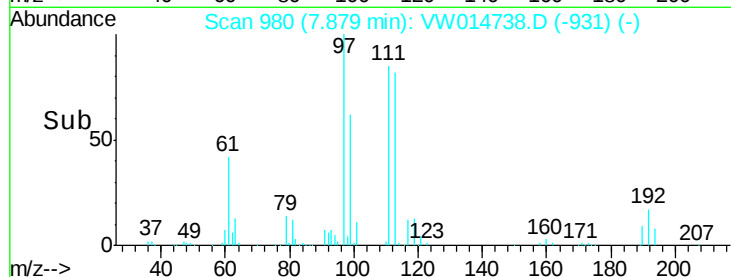
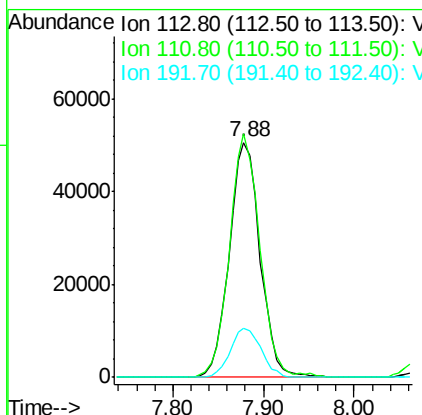
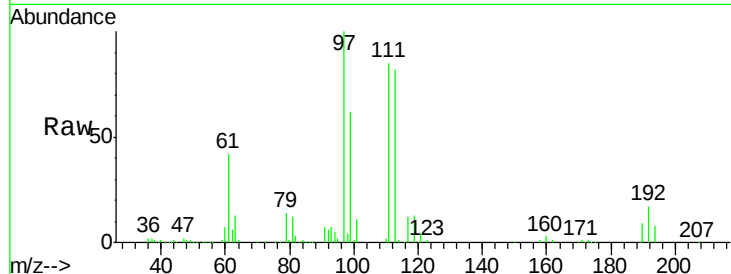
#35
 Dibromofluoromethane
 Concen: 21.107 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW014738.D
 Acq: 24 Jan 2020 11:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	120293		
111	102.4	82.2	123.2	
192	20.9	17.0	25.6	

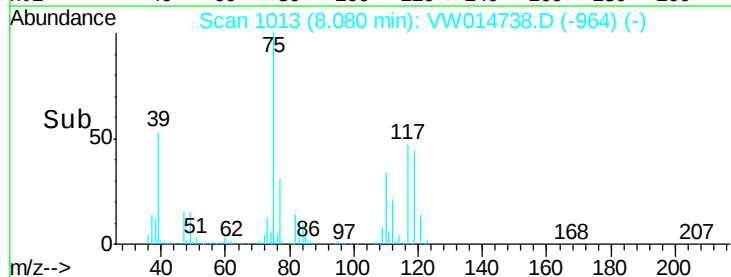
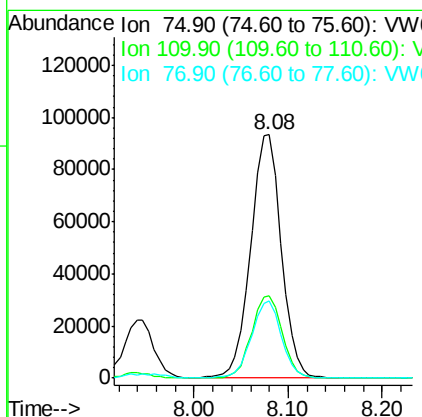
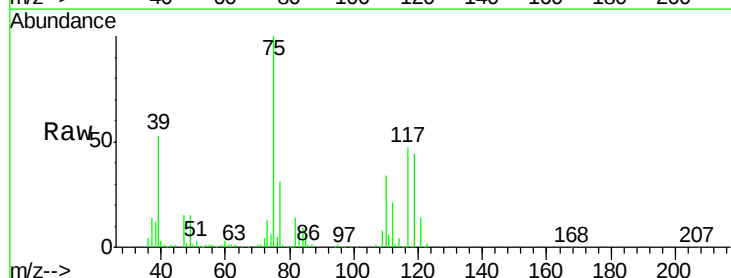
Manual Integrations
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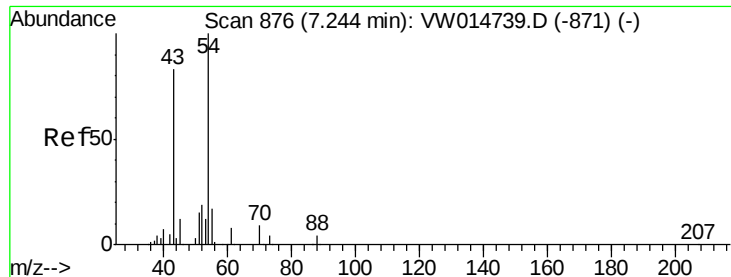
MMDadoda
 1/27/2020 12:04:40 PM



#36
 1,1-Dichloropropene
 Concen: 21.947 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW014738.D
 Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	212153		
110	33.9	17.1	51.2	
77	31.1	24.8	37.2	





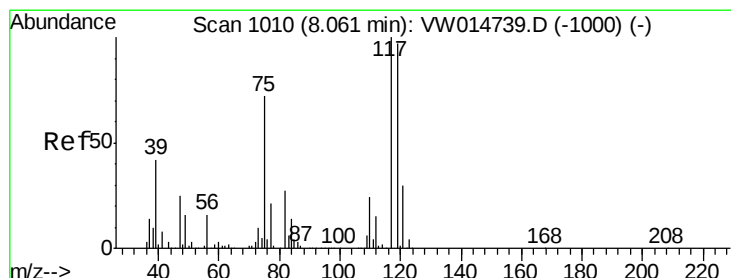
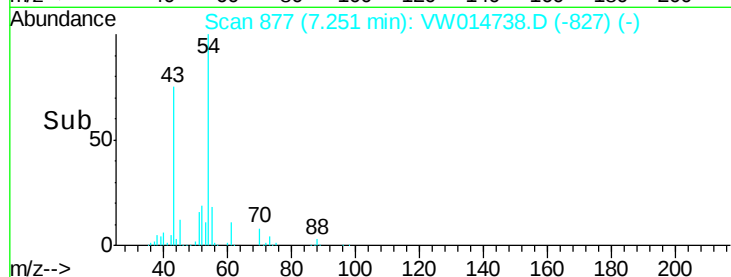
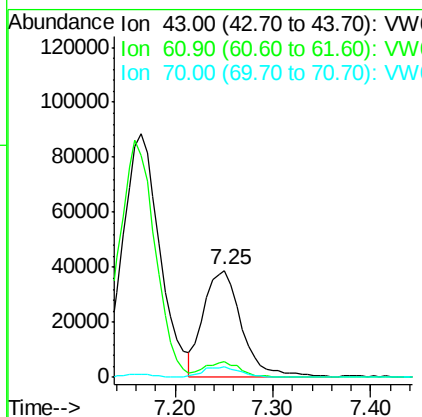
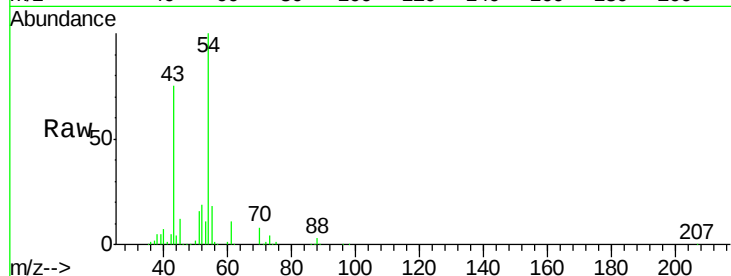
#37
Ethyl Acetate
Concen: 24.122 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.7	16.1
70	10.2	8.5	12.7

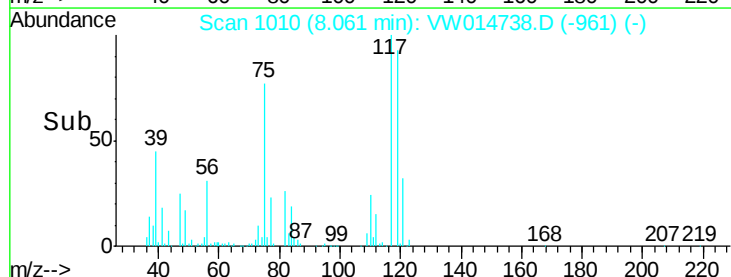
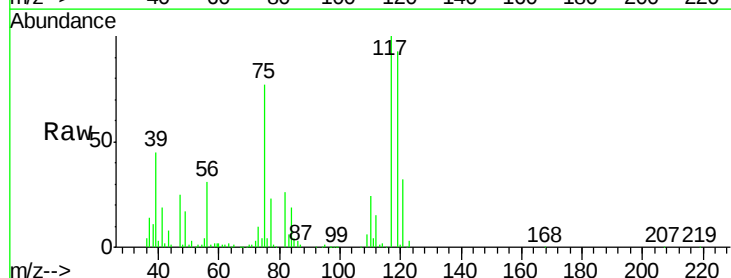
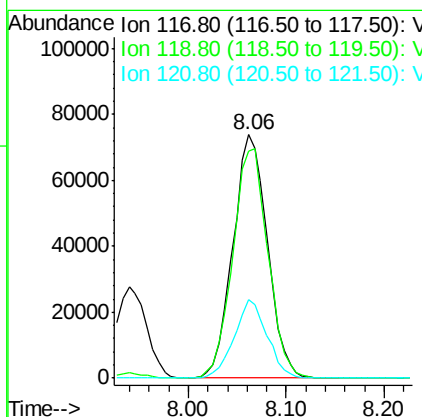
Manual Integrations
APPROVED

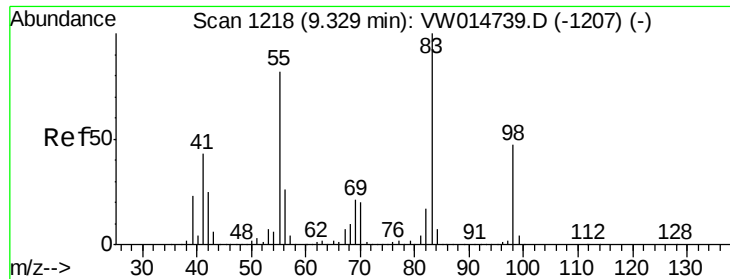
MMDadoda
1/27/2020 12:04:40 PM



#38
Carbon Tetrachloride
Concen: 21.549 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.5	116.3
121	32.3	24.3	36.5





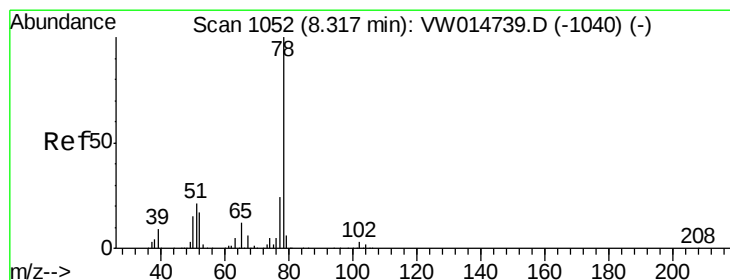
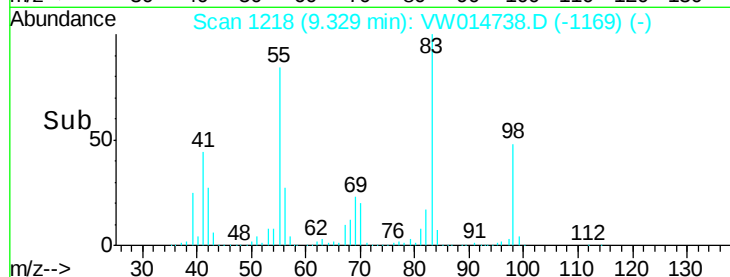
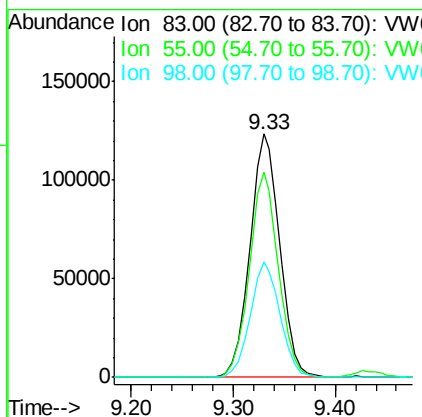
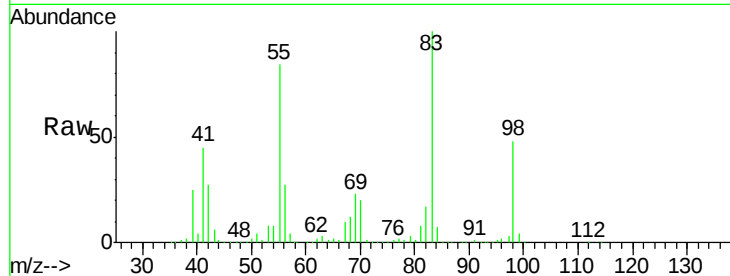
#39
Methvlcvclohexane
Concen: 20.372 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.3	65.2	97.8
98	47.7	37.6	56.4

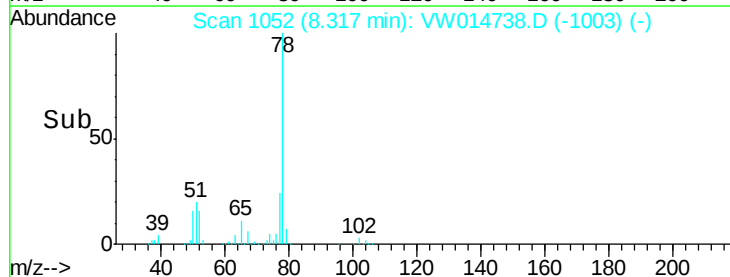
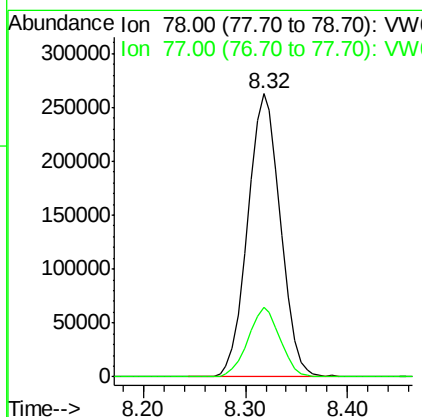
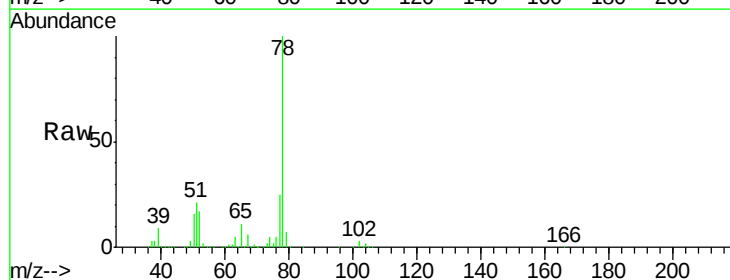
Manual Integrations
APPROVED

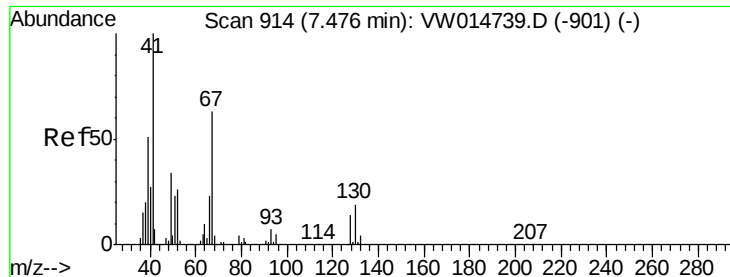
MMDadoda
1/27/2020 12:04:40 PM



#40
Benzene
Concen: 21.435 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





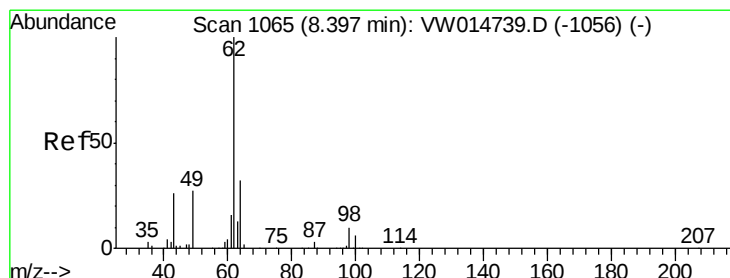
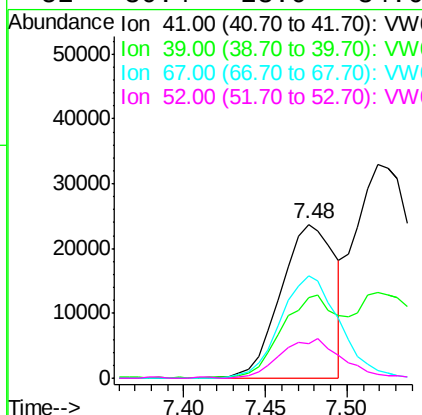
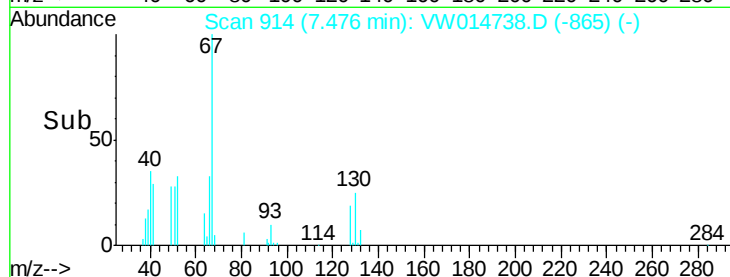
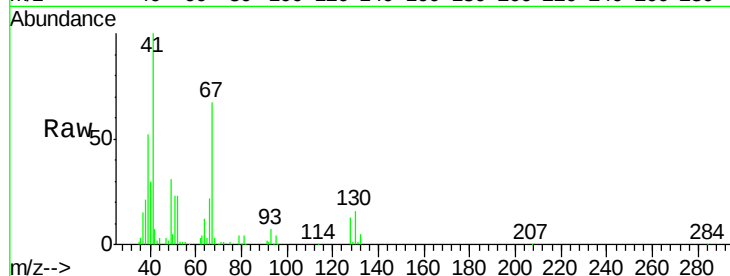
#41
Methacrylonitrile
Concen: 22.659 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	54344
Ion	Ratio	Lower	Upper
41	100		
39	59.2	45.3	67.9
67	73.6	57.0	85.4
52	30.4	23.0	34.6

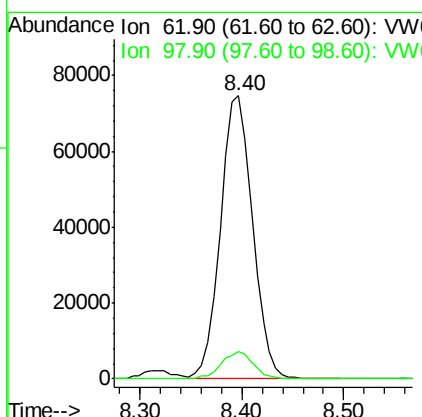
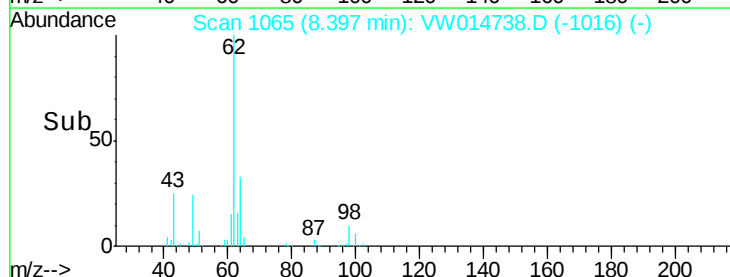
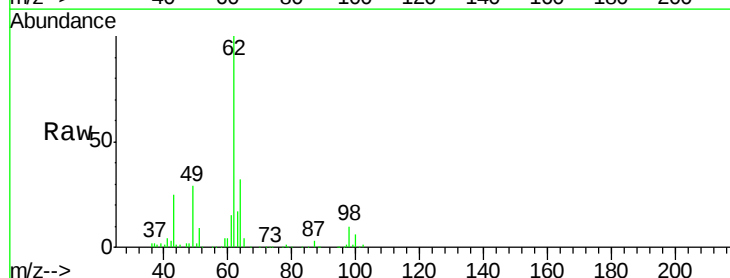
Manual Integrations
APPROVED

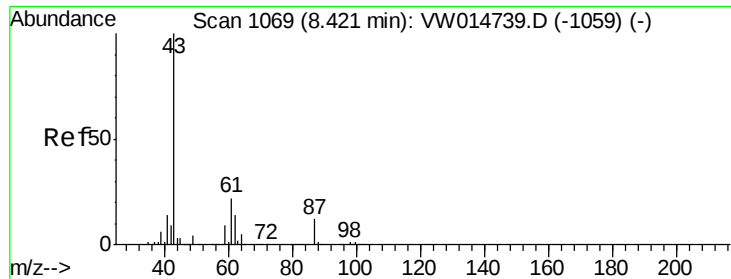
MMDadoda
1/27/2020 12:04:40 PM



#42
1,2-Dichloroethane
Concen: 22.883 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	62	Resp	162812
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6





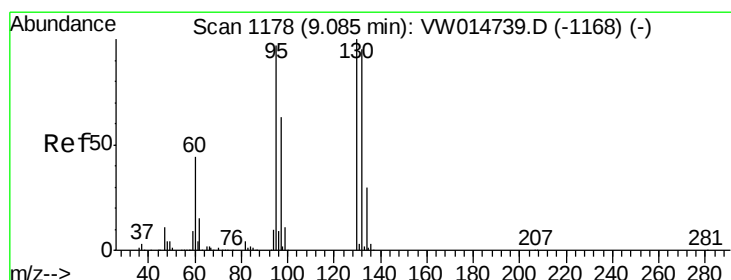
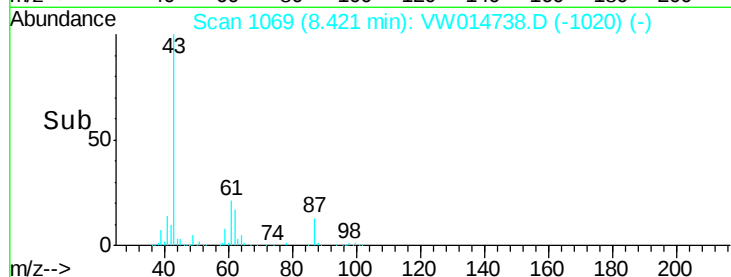
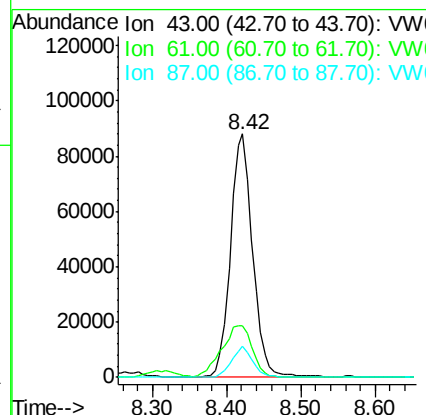
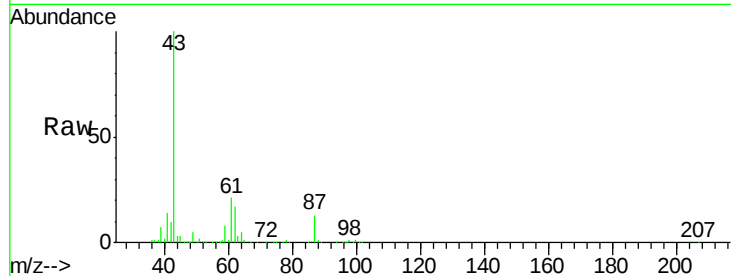
#43
Isopropyl Acetate
Concen: 23.297 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	24.4	36.6
87	12.2	9.8	14.6

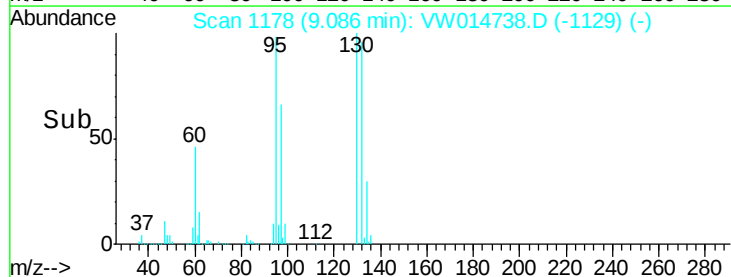
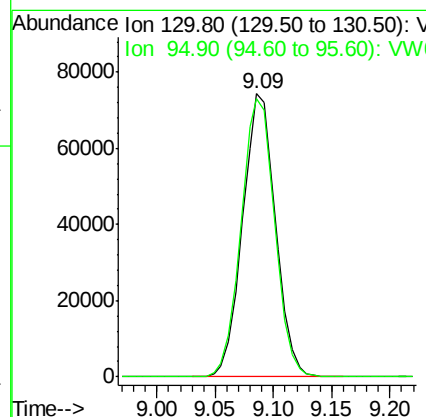
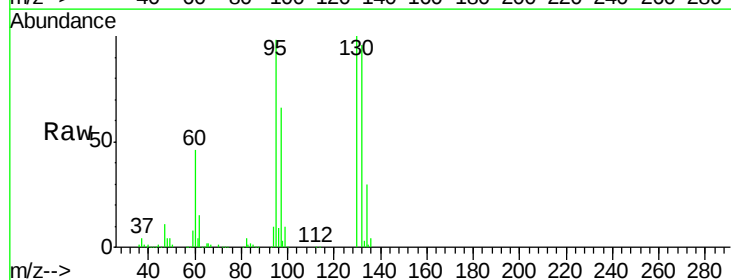
Manual Integrations
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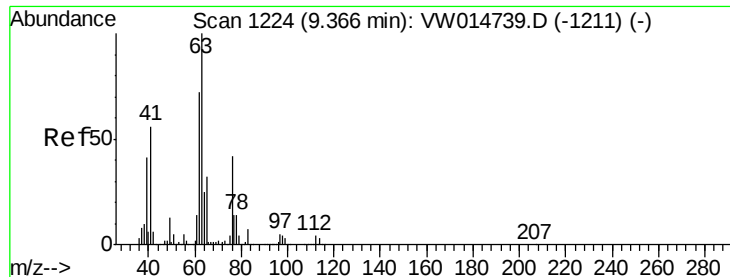
MMDadoda
1/27/2020 12:04:40 PM



#44
Trichloroethene
Concen: 19.933 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	193.2





#45

1,2-Dichloropropane

Concen: 21.737 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 145926

Ion Ratio Lower Upper

63 100

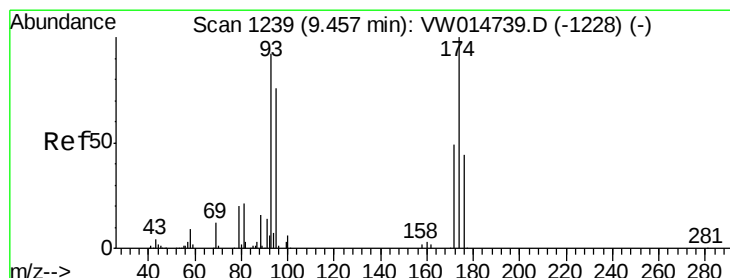
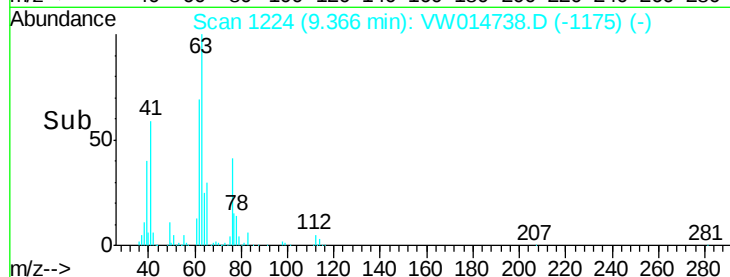
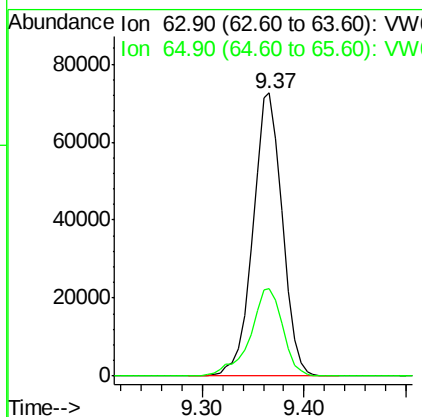
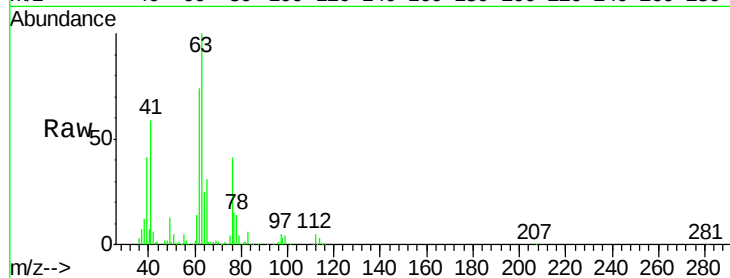
65 30.7 25.3 37.9

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 21.739 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

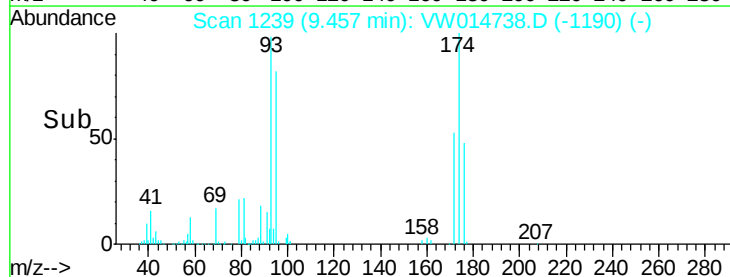
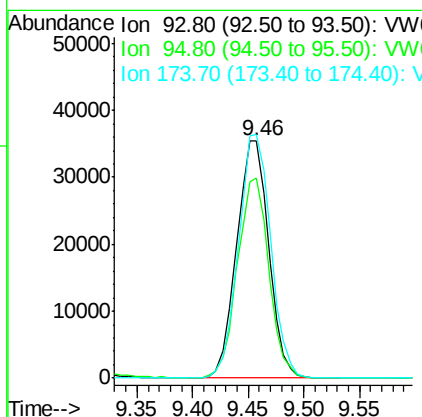
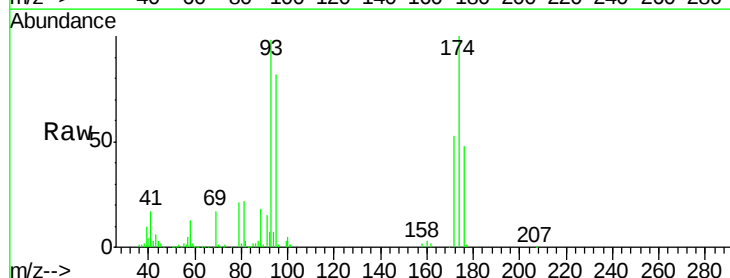
Tgt Ion: 93 Resp: 70984

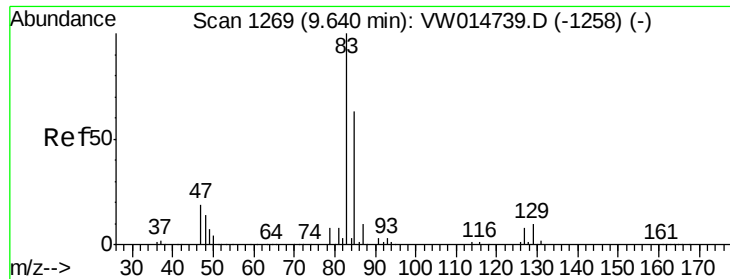
Ion Ratio Lower Upper

93 100

95 82.7 65.4 98.2

174 103.4 84.2 126.2





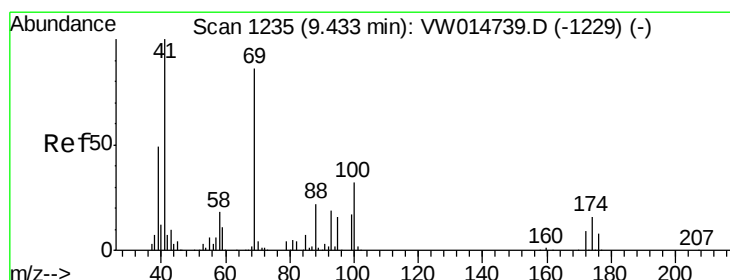
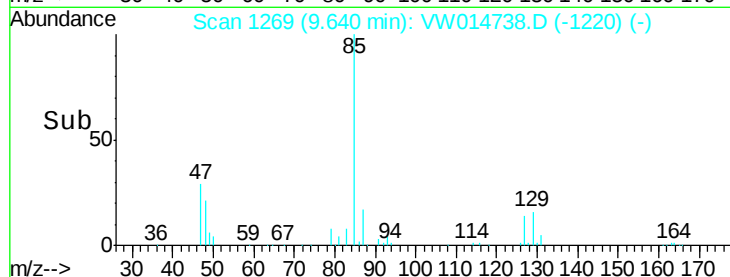
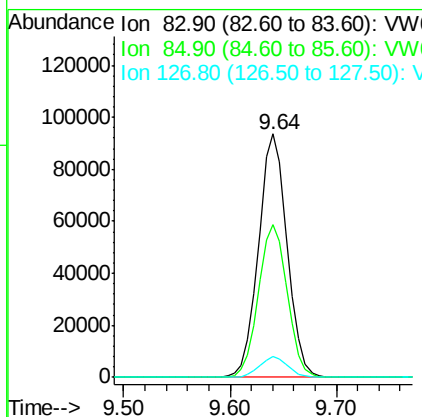
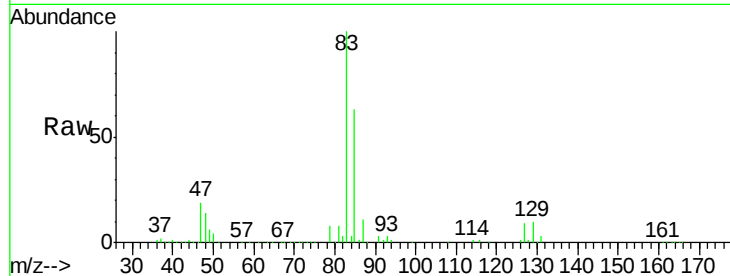
#47
Bromodichloromethane
Concen: 21.503 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.1	75.1
127	8.6	6.5	9.7

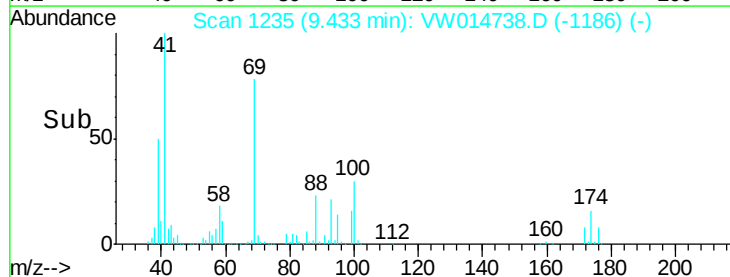
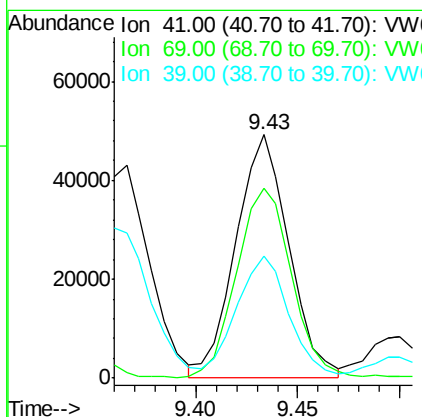
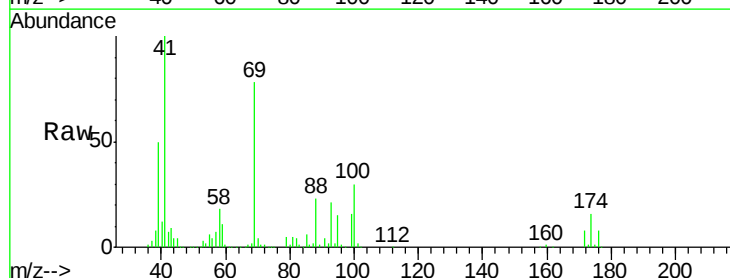
Manual Integrations
APPROVED

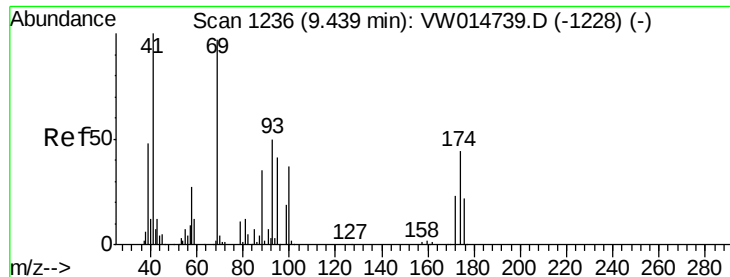
MMDadoda
1/27/2020 12:04:40 PM



#48
Methyl methacrylate
Concen: 23.367 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.9	69.6	104.4
39	46.0	40.2	60.4





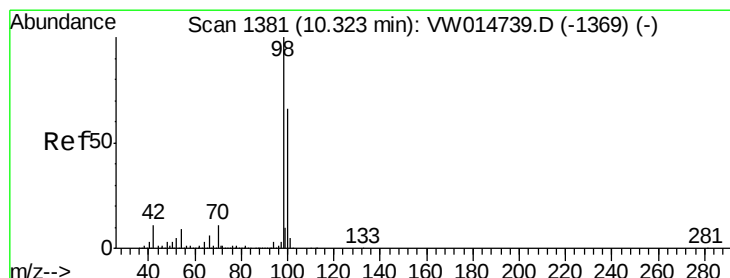
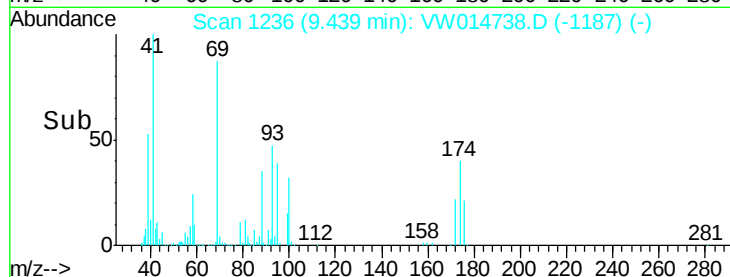
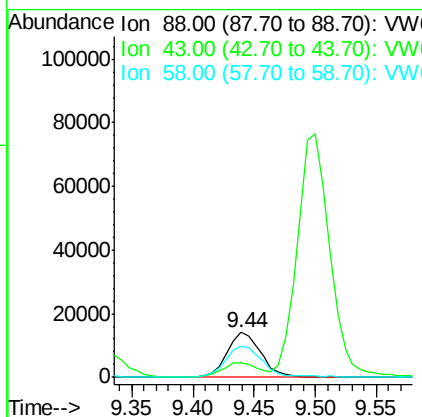
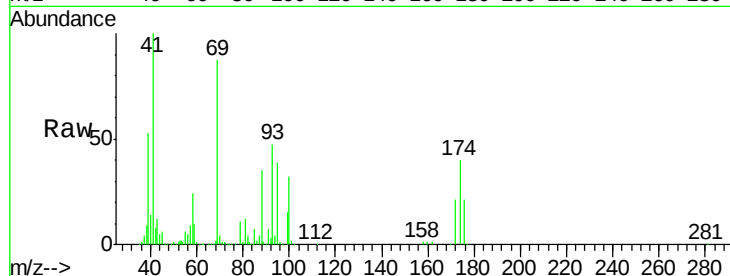
#49
1,4-Dioxane
Concen: 454.425 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	88	Resp	27178
Ion	Ratio	Lower	Upper
88	100		
43	34.2	27.1	40.7
58	74.9	58.7	88.1

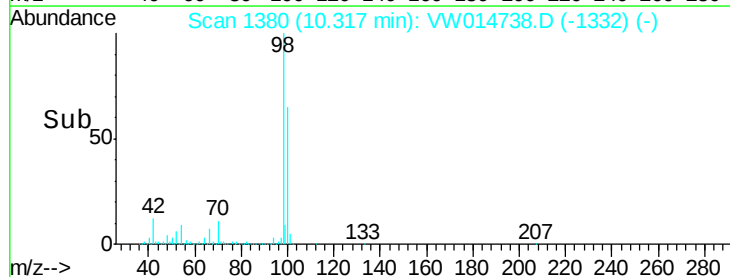
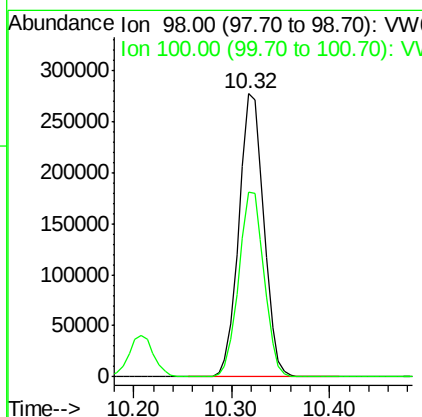
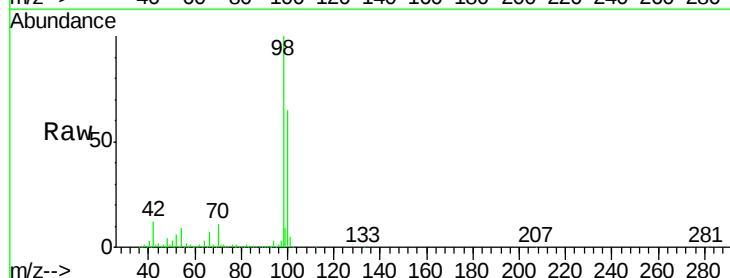
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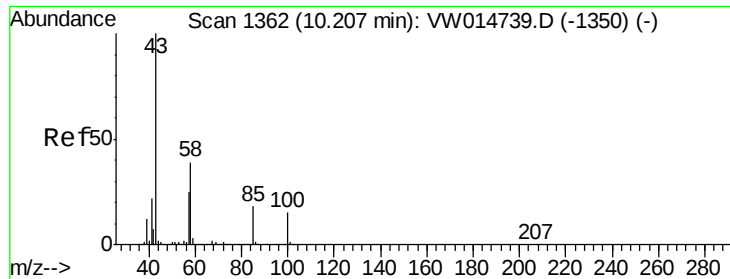
MMDadoda
1/27/2020 12:04:40 PM



#50
Toluene-d8
Concen: 20.581 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	98	Resp	490614
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 121.507 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 491224

Ion Ratio Lower Upper

43 100

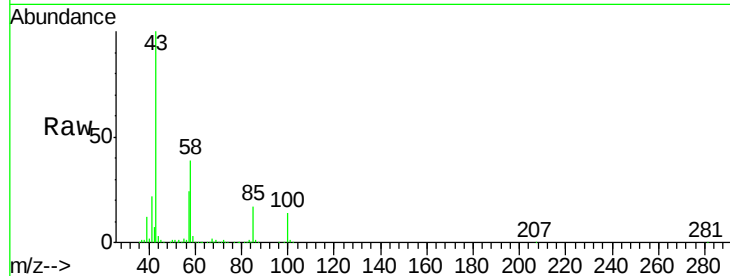
58 38.8 31.4 47.0

Manual Integrations

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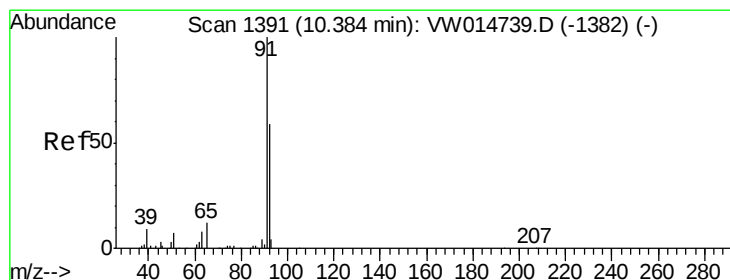
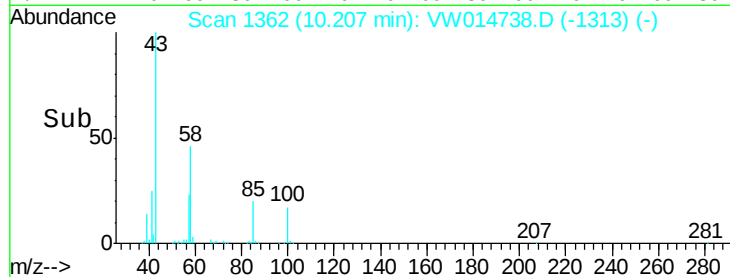
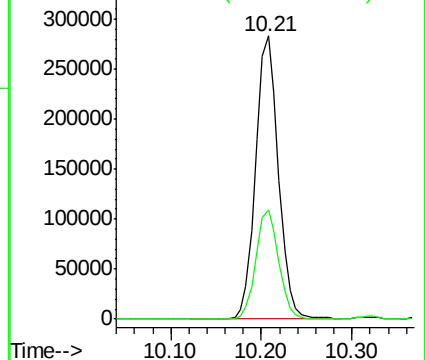
MMDadoda

1/27/2020 12:04:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.076 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014738.D

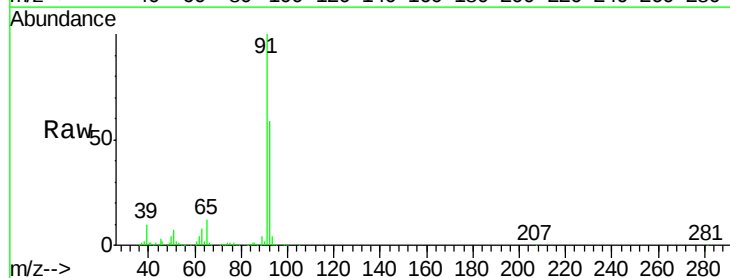
Acq: 24 Jan 2020 11:25

Tgt Ion: 92 Resp: 360259

Ion Ratio Lower Upper

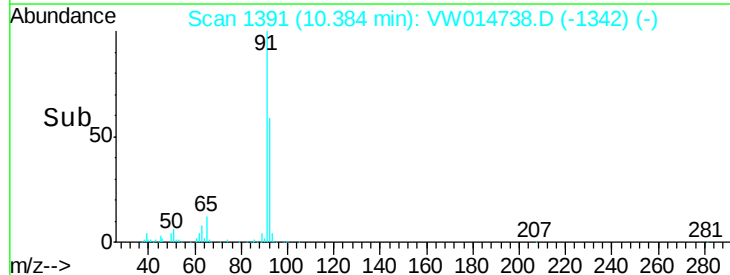
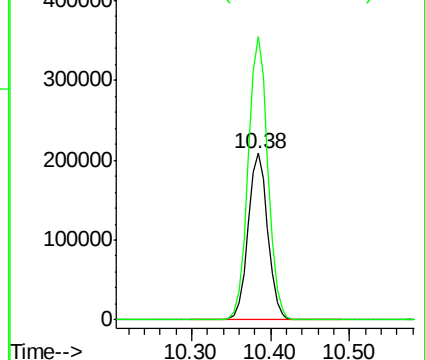
92 100

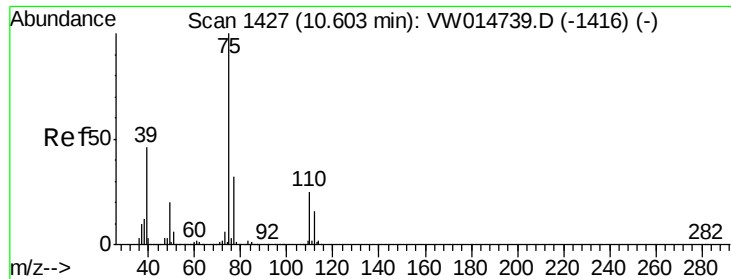
91 170.4 135.8 203.8



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





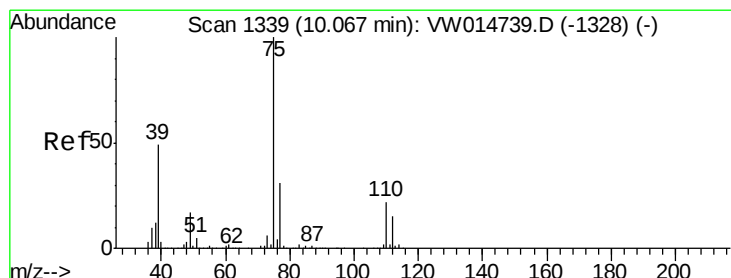
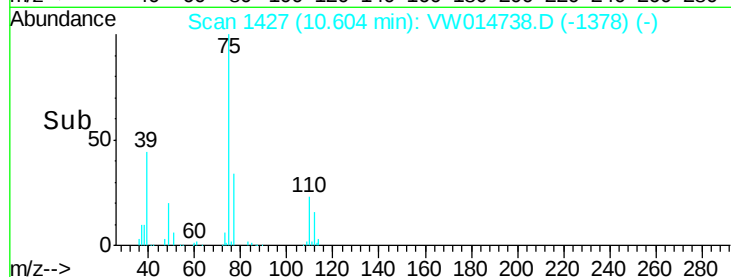
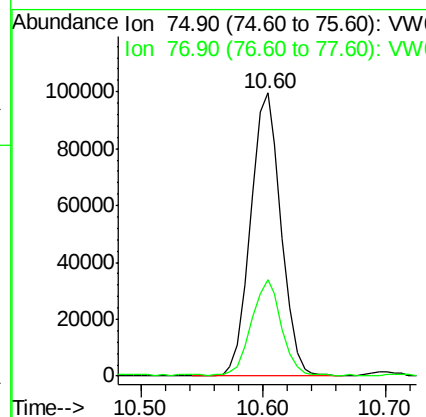
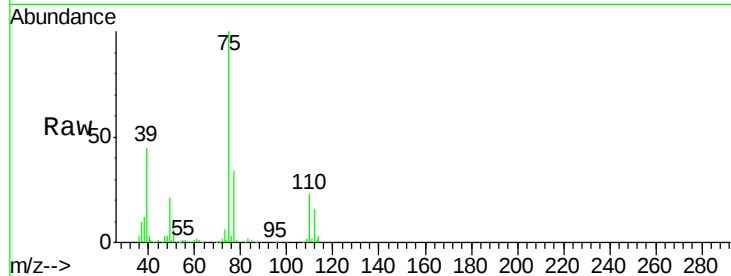
#53
t-1,3-Dichloropropene
Concen: 20.586 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 172325
Ion Ratio Lower Upper
75 100
77 33.8 25.7 38.5

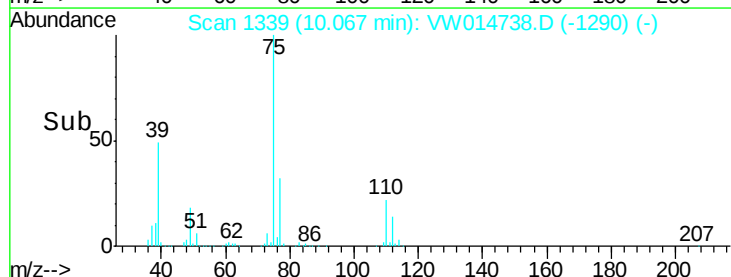
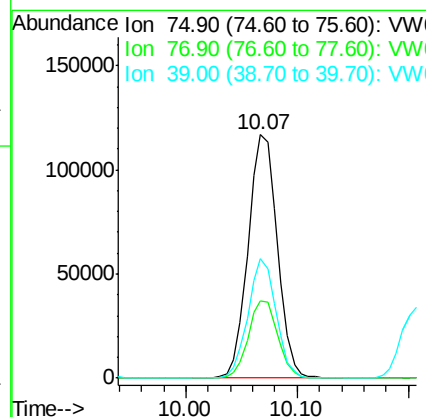
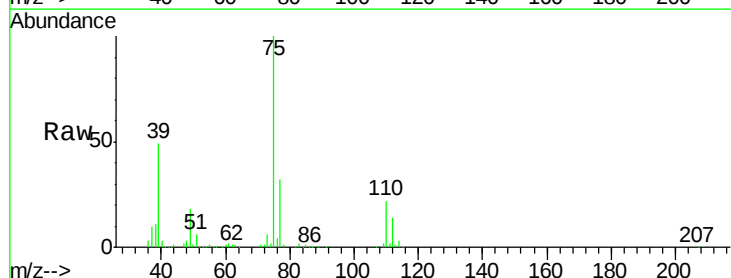
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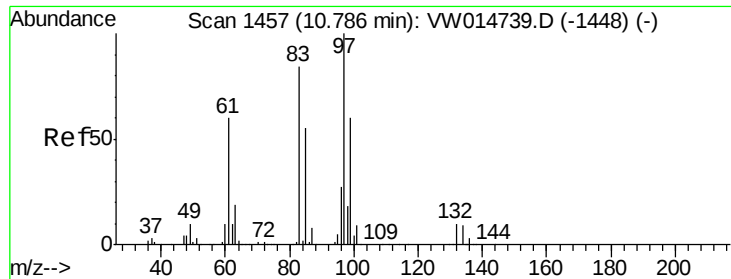
MMDadoda
1/27/2020 12:04:40 PM



#54
cis-1,3-Dichloropropene
Concen: 20.747 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion: 75 Resp: 213156
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.4
39 49.2 39.0 58.6





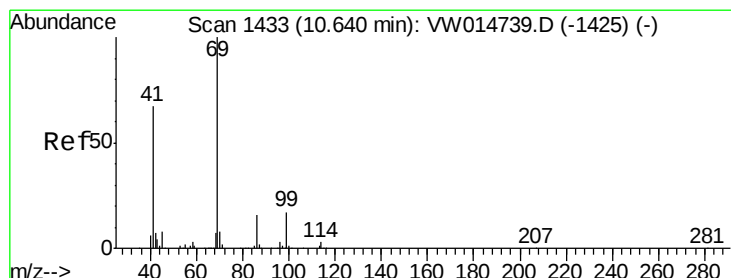
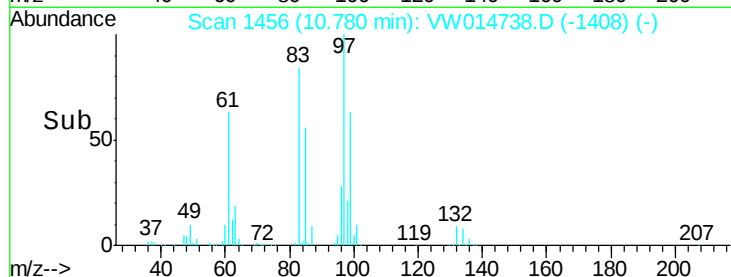
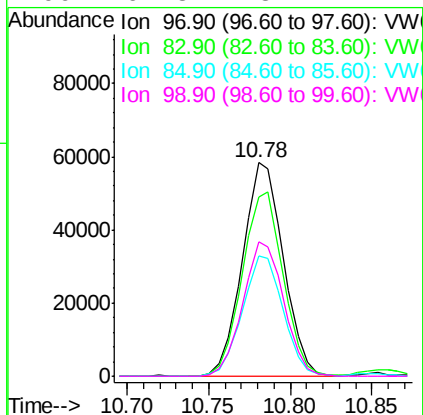
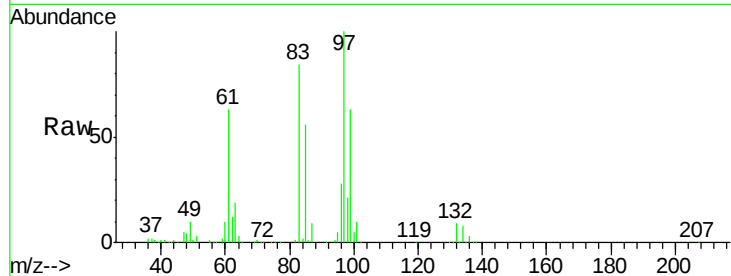
#55
 1,1,2-Trichloroethane
 Concen: 21.468 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014738.D
 Acq: 24 Jan 2020 11:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		102051		
83	83.8	67.1	100.7		
85	56.0	44.2	66.2		
99	62.8	48.2	72.4		

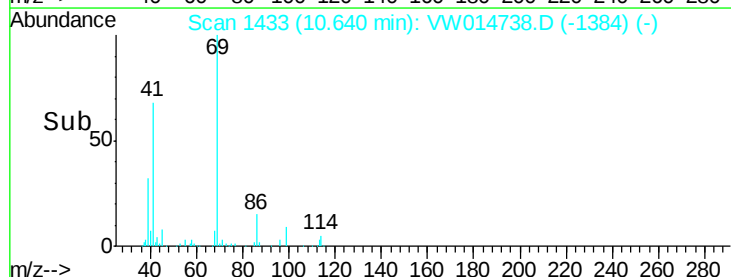
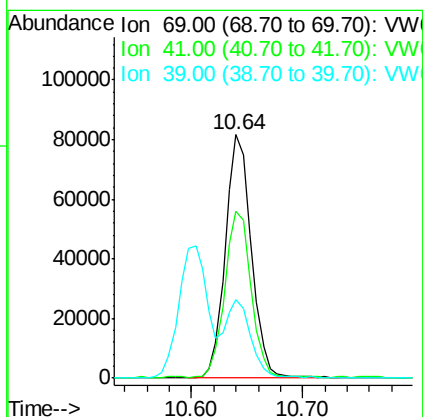
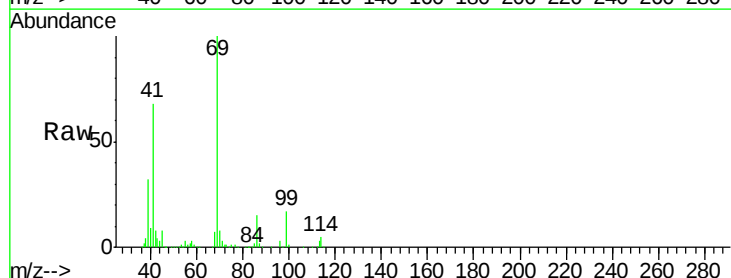
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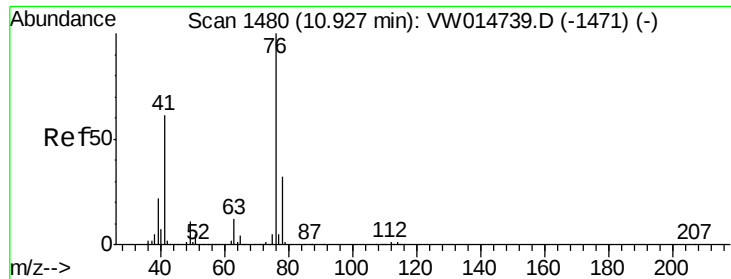
MMDadoda
 1/27/2020 12:04:40 PM



#56
 Ethyl methacrylate
 Concen: 21.519 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014738.D
 Acq: 24 Jan 2020 11:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		132262		
41	68.8	54.4	81.6		
39	31.4	22.4	33.6		





#57

1,3-Dichloropropane

Concen: 21.499 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 180832

Ion Ratio Lower Upper

76 100

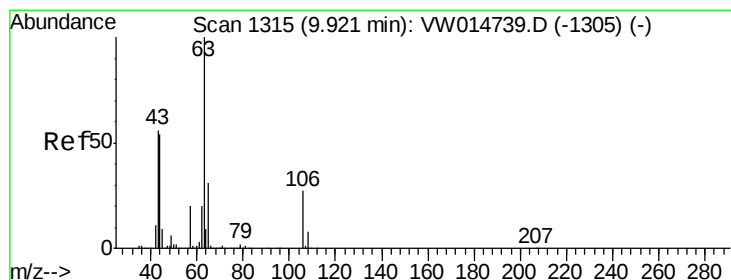
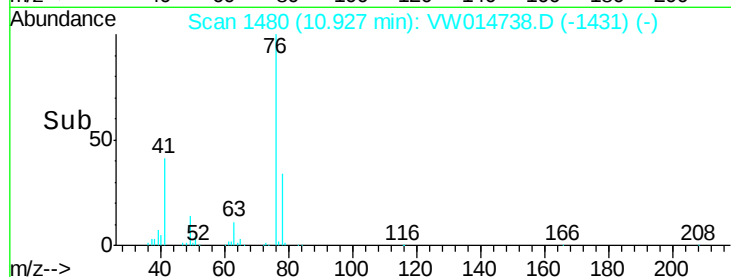
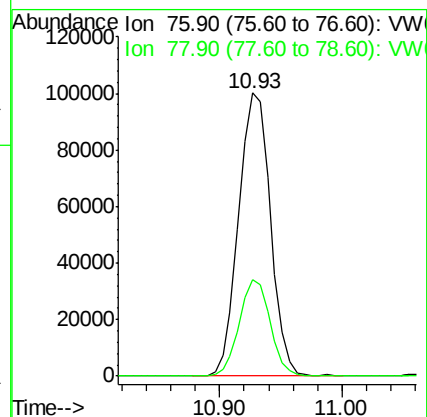
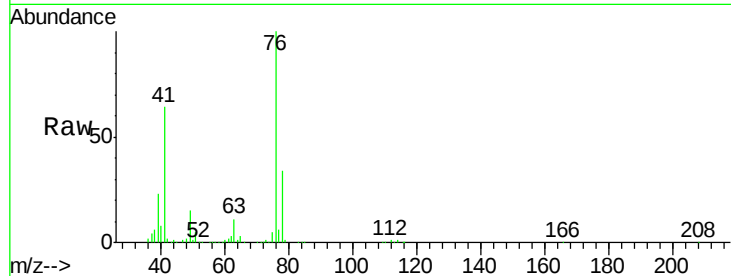
78 33.1 25.7 38.5

Manual Integrations

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MMDadoda

1/27/2020 12:04:40 PM



#58

2-Chloroethyl Vinyl ether

Concen: 107.247 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW014738.D

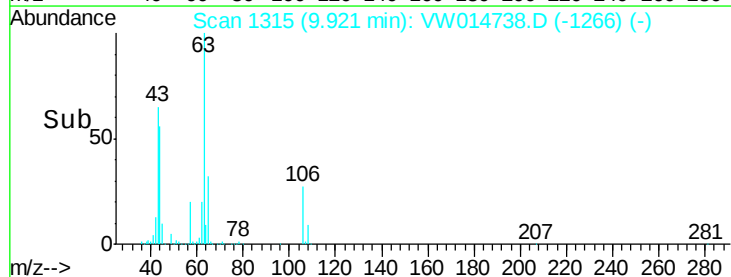
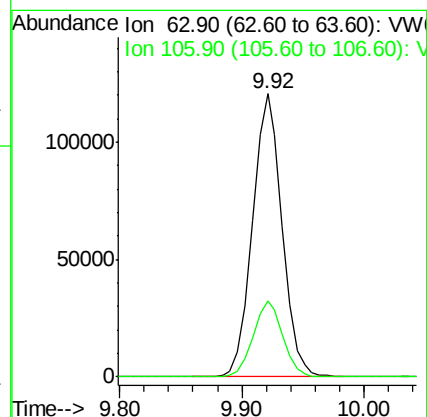
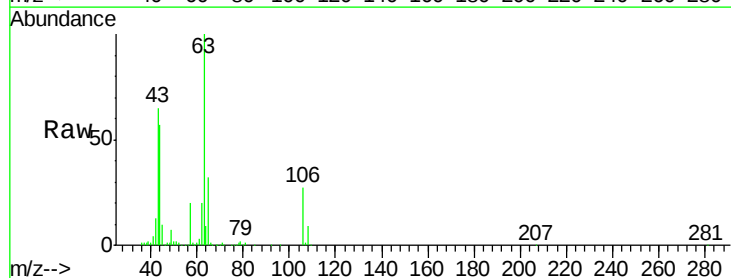
Acq: 24 Jan 2020 11:25

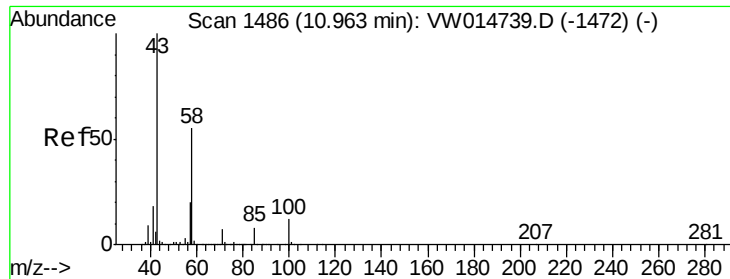
Tgt Ion: 63 Resp: 202158

Ion Ratio Lower Upper

63 100

106 26.9 21.8 32.8





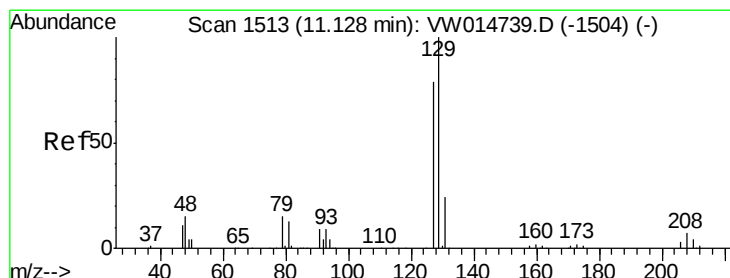
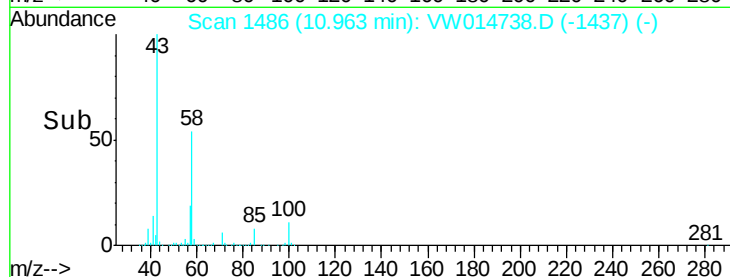
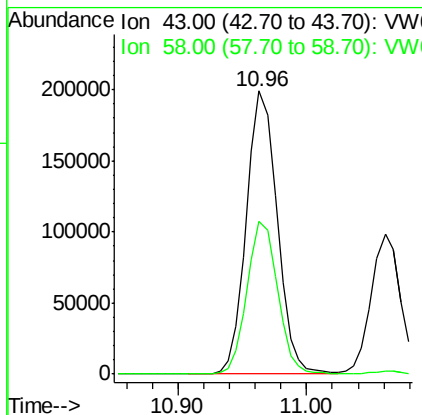
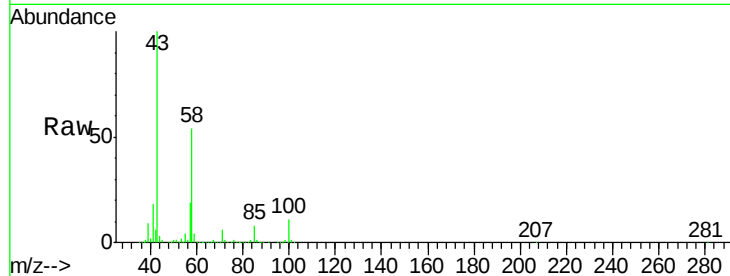
#59
2-Hexanone
Concen: 119.006 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 329488
Ion Ratio Lower Upper
43 100
58 53.9 27.3 81.8

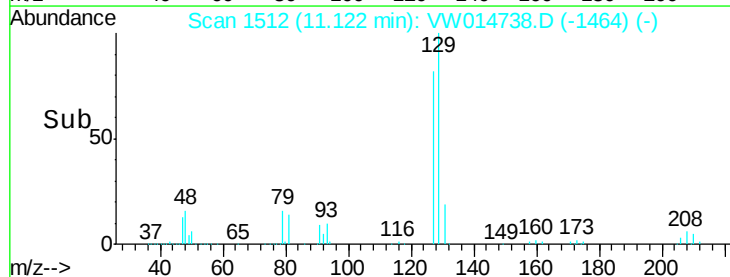
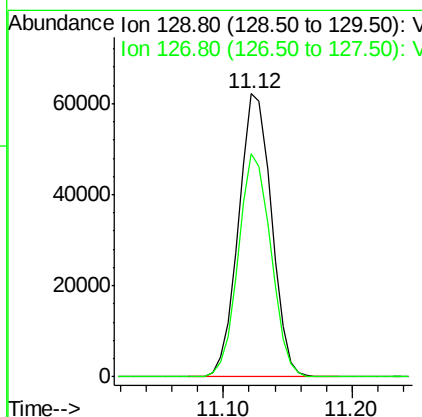
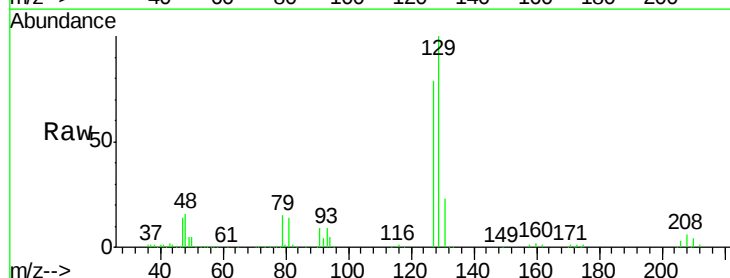
Manual Integrations
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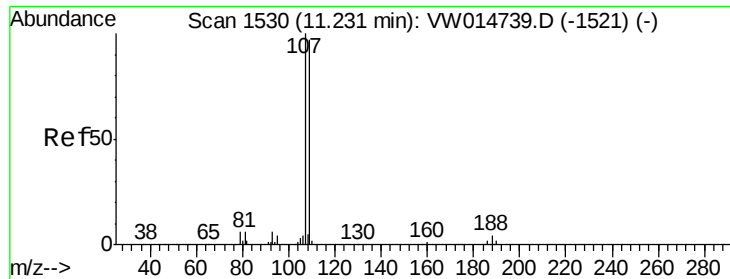
MMDadoda
1/27/2020 12:04:40 PM



#60
Dibromochloromethane
Concen: 20.523 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion: 129 Resp: 110067
Ion Ratio Lower Upper
129 100
127 78.0 39.9 119.6





#61

1,2-Dibromoethane

Concen: 21.551 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 96678

Ion Ratio Lower Upper

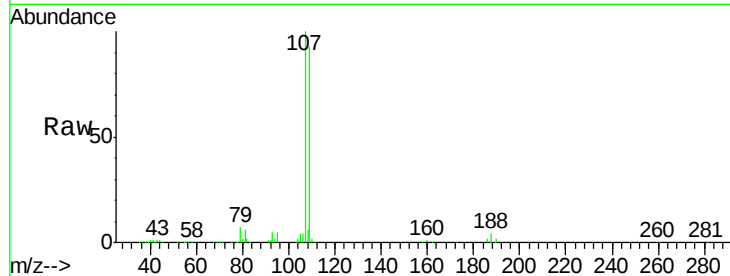
107 100

109 92.7 76.7 115.1

Manual Integrations
APPROVED

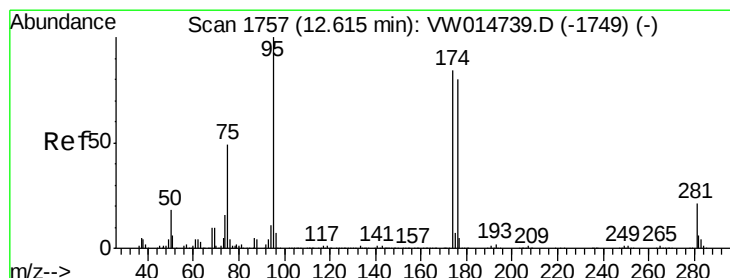
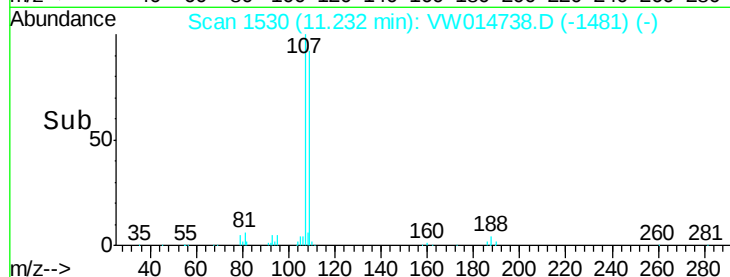
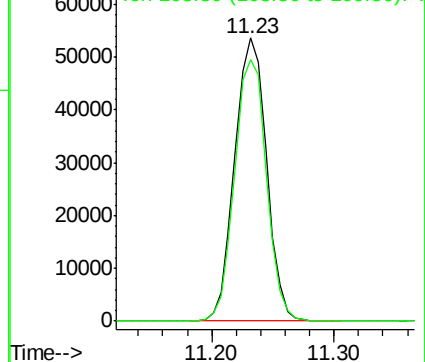
MMDadoda

1/27/2020 12:04:40 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 20.361 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

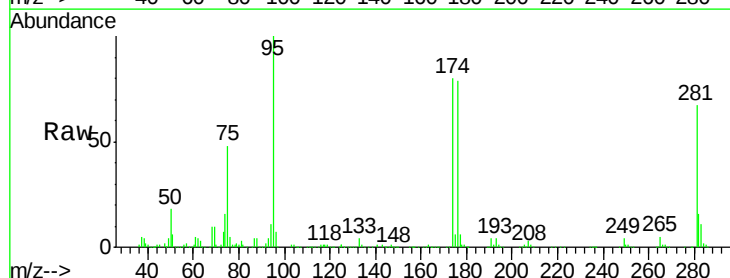
Tgt Ion: 95 Resp: 164261

Ion Ratio Lower Upper

95 100

174 81.2 0.0 163.0

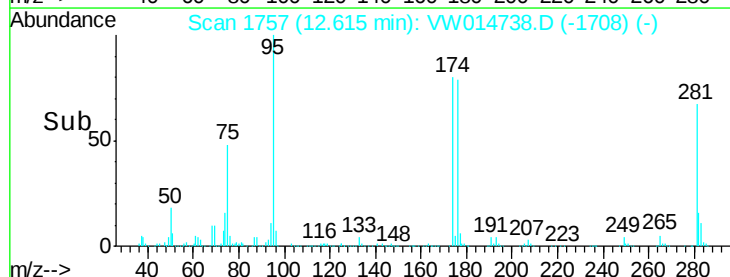
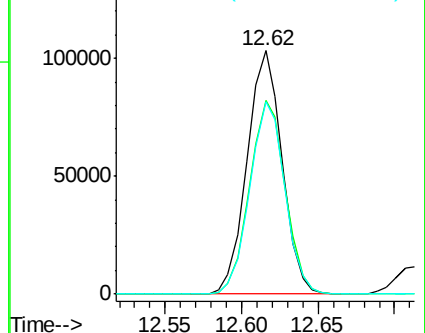
176 79.3 0.0 159.2

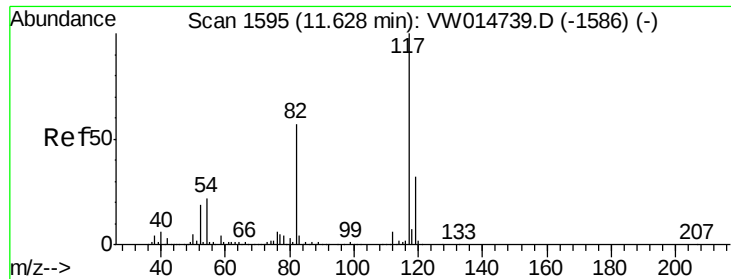


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





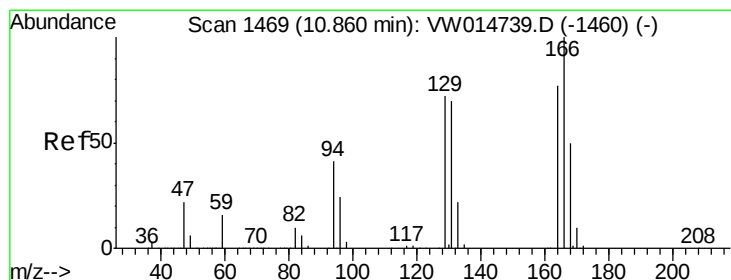
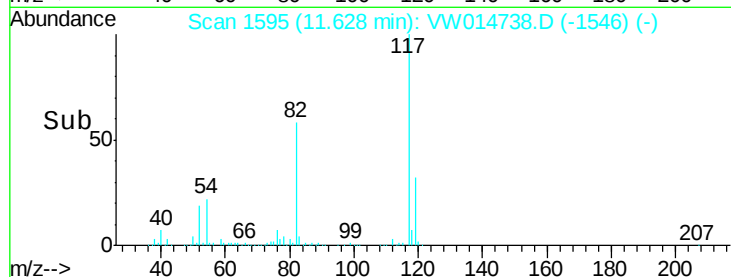
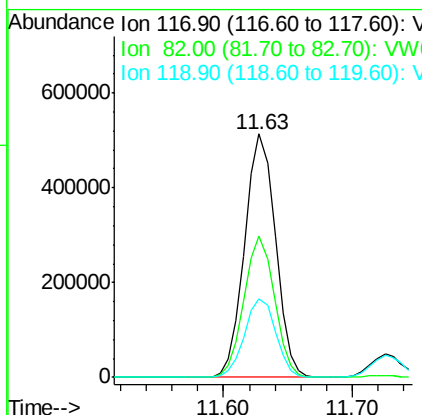
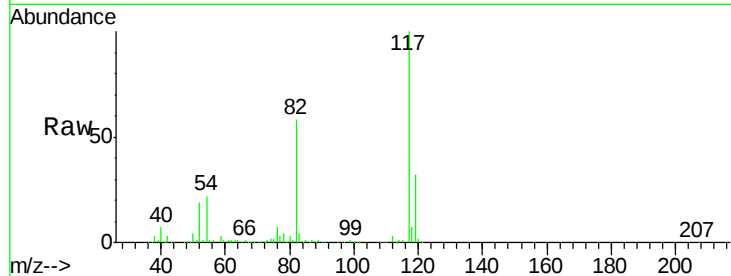
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	851746		
82	57.9		45.9	68.9
119	32.2		25.7	38.5

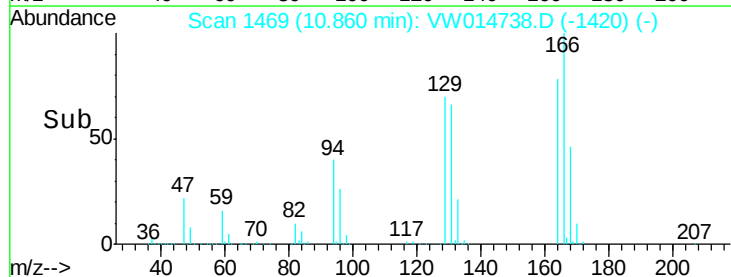
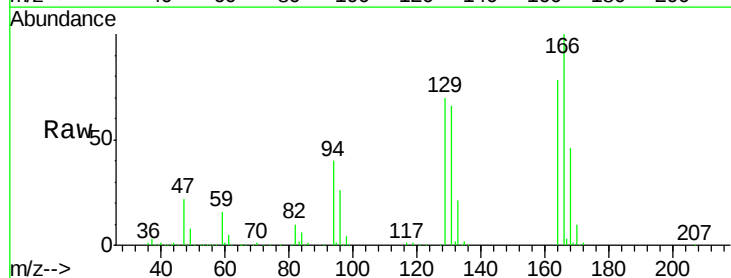
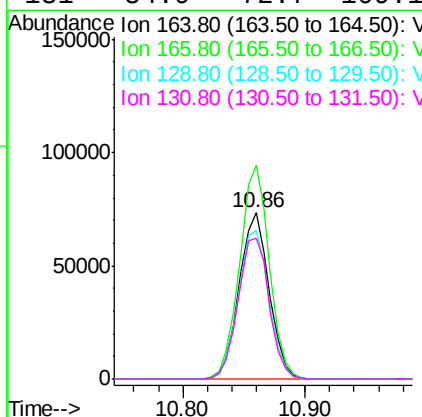
Manual Integrations
APPROVED

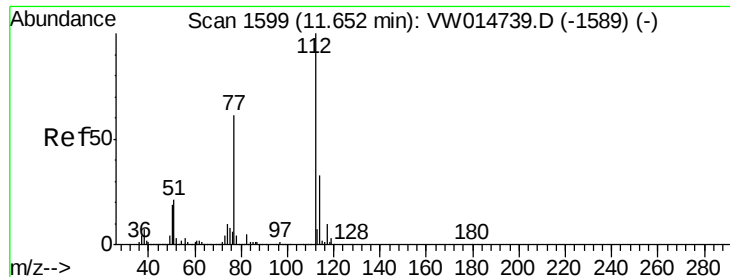
MMDadoda
1/27/2020 12:04:40 PM



#64
Tetrachloroethene
Concen: 20.173 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	124082		
166	128.7		104.0	156.0
129	89.8		75.0	112.4
131	84.9		72.7	109.1





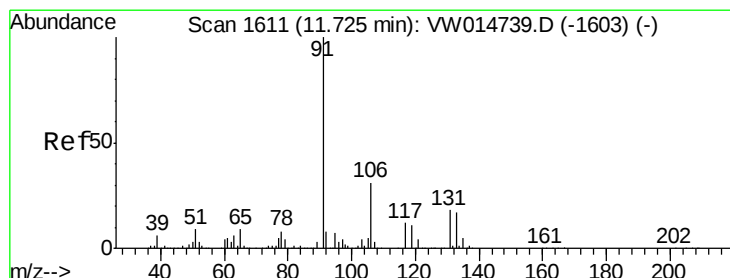
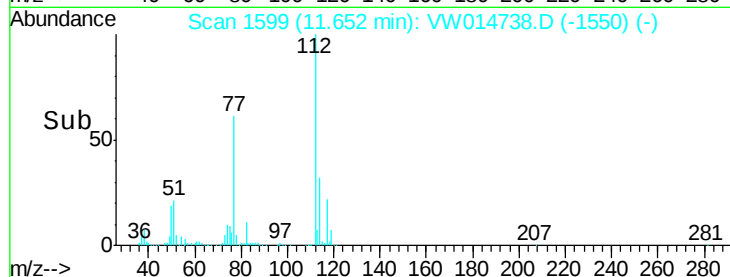
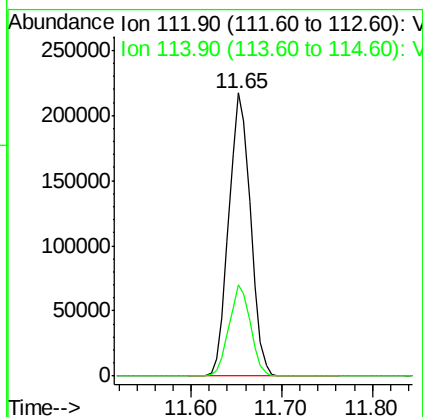
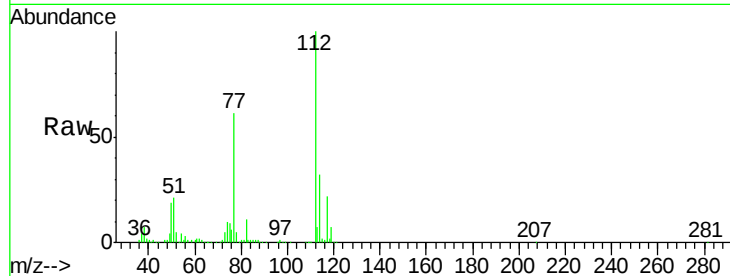
#65
Chlorobenzene
Concen: 20.631 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	361351		
114	32.1	26.0	39.0	

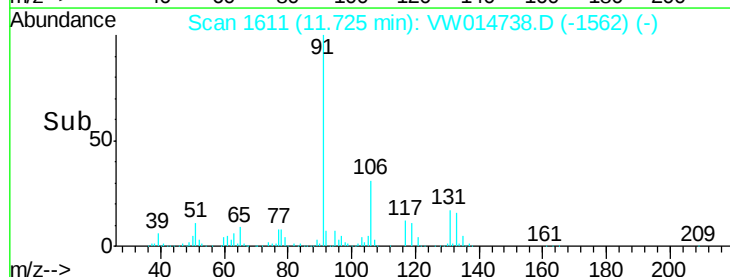
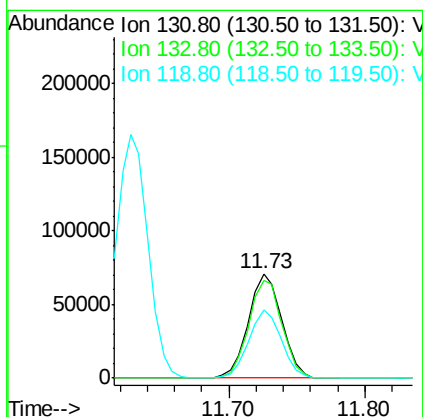
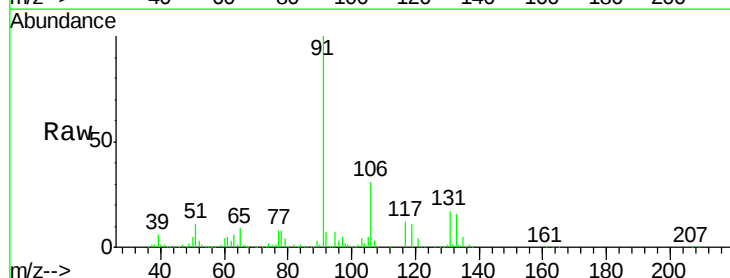
Manual Integrations
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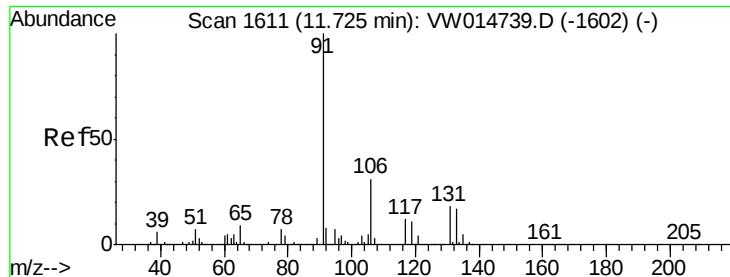
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.689 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	121966		
133	93.9	48.0	144.2	
119	64.1	33.0	98.9	





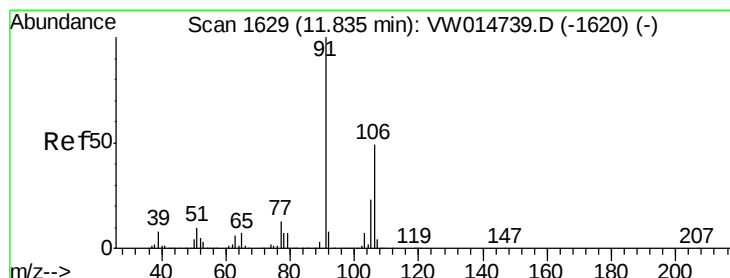
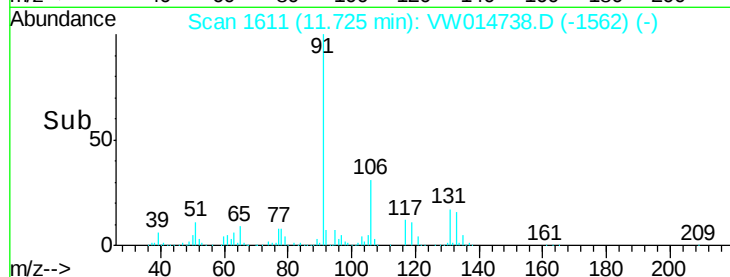
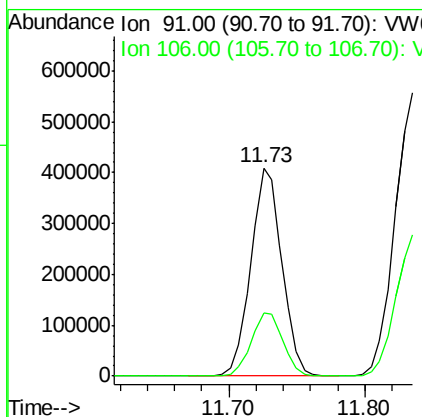
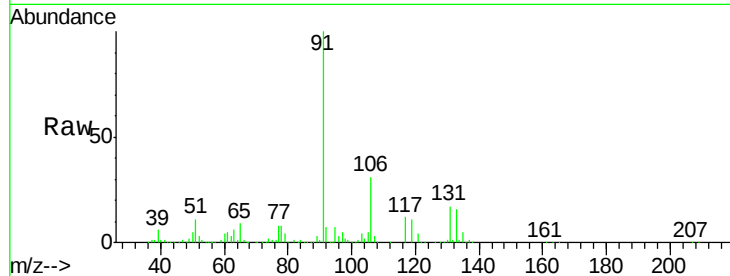
#67
Ethyl Benzene
Concen: 20.690 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 655553
Ion Ratio Lower Upper
91 100
106 30.7 24.5 36.7

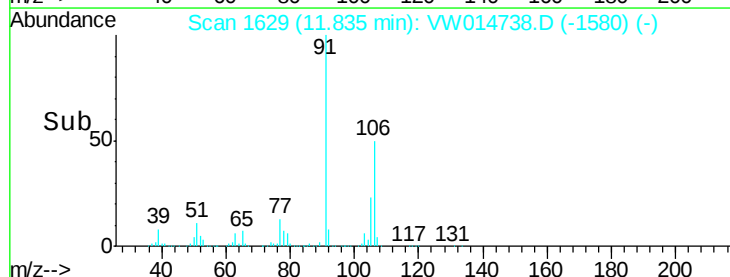
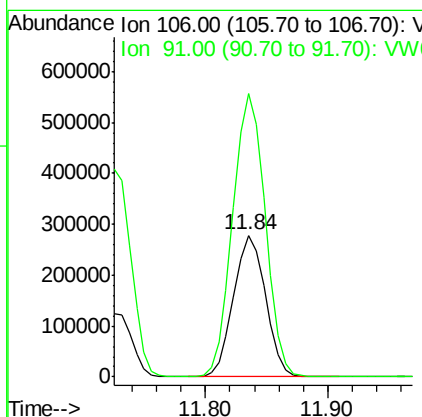
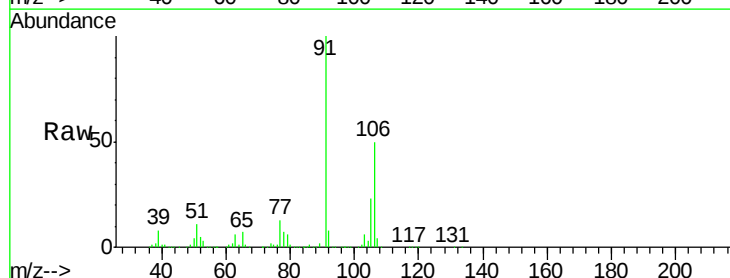
Manual Integrations
APPROVED

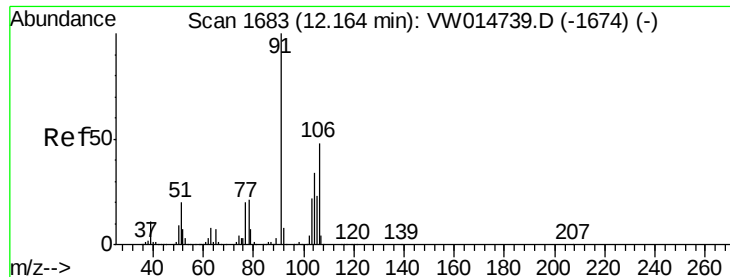
MMDadoda
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#68
m/p-Xylenes
Concen: 41.731 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion: 106 Resp: 504849
Ion Ratio Lower Upper
106 100
91 202.7 161.4 242.0





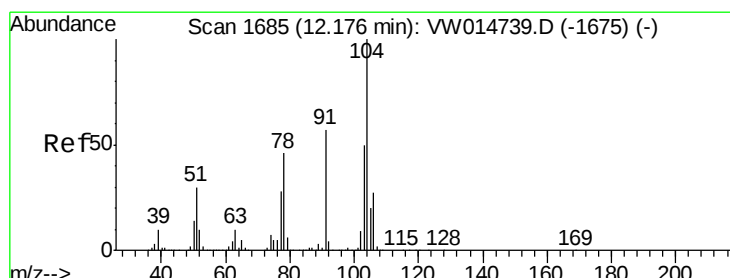
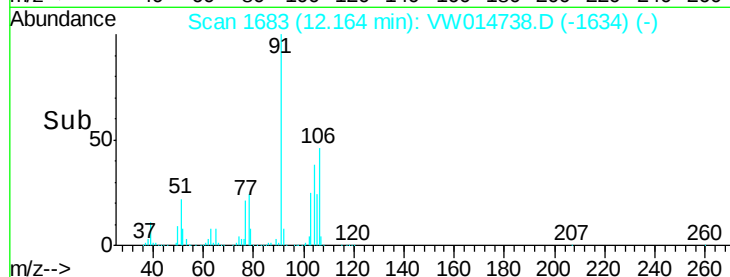
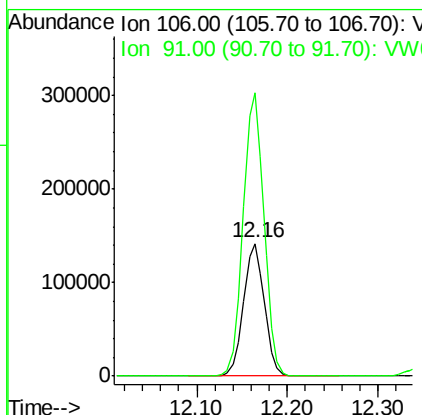
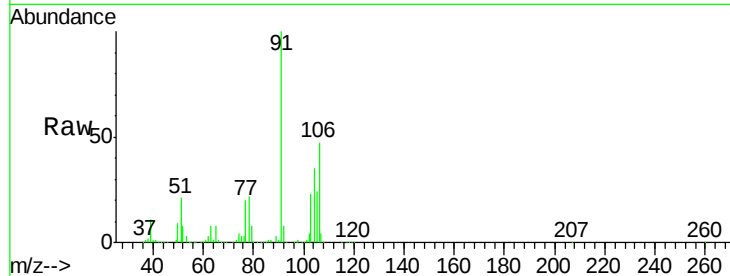
#69
o-Xylene
Concen: 20.119 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 224653
Ion Ratio Lower Upper
106 100
91 214.5 107.1 321.3

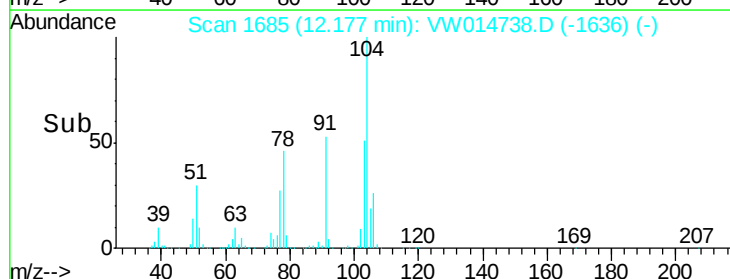
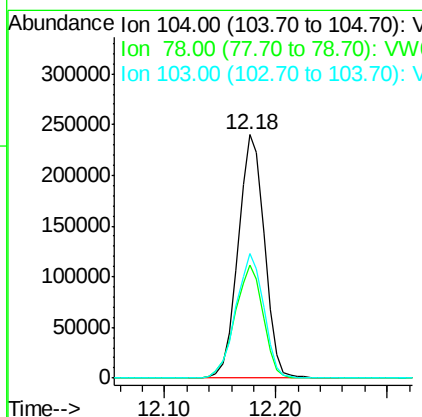
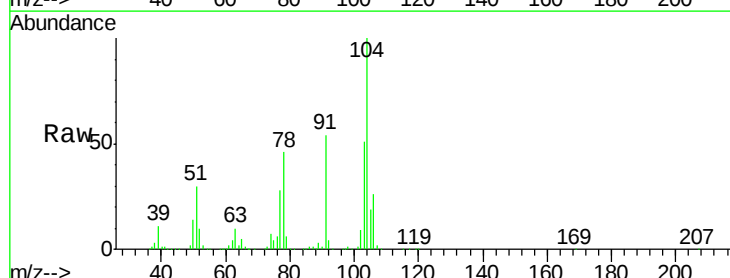
Manual Integrations
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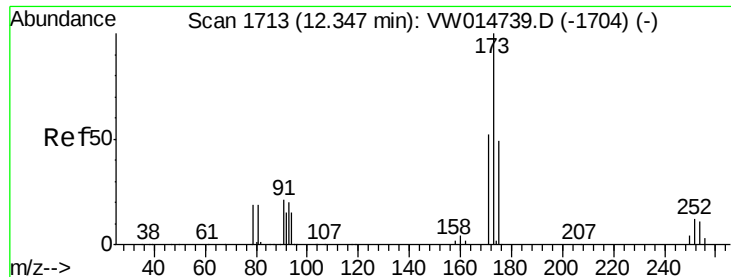
MMDadoda
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#70
Styrene
Concen: 20.797 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion:104 Resp: 392281
Ion Ratio Lower Upper
104 100
78 49.6 39.8 59.8
103 54.1 44.0 66.0





#71

Bromoform

Concen: 20.641 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 65227

Ion Ratio Lower Upper

173 100

175 48.1 24.4 73.2

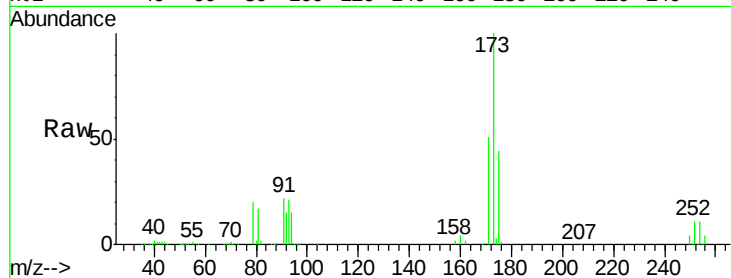
254 0.1 0.1 0.1#

Manual Integrations

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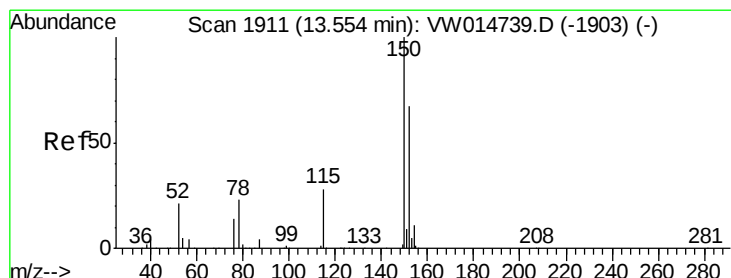
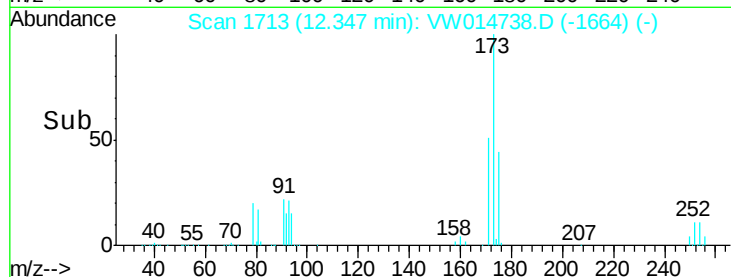
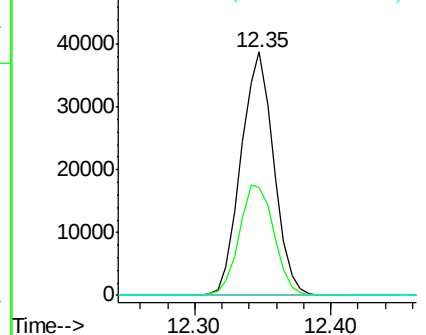
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

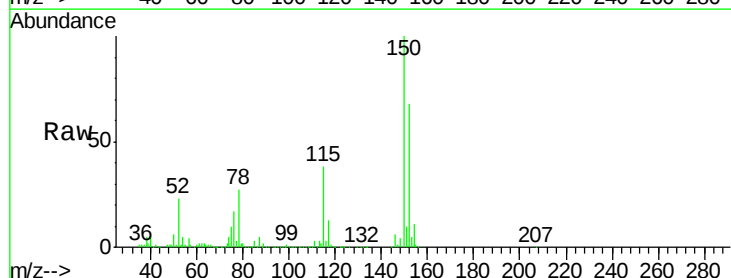
Tgt Ion:152 Resp: 424997

Ion Ratio Lower Upper

152 100

115 58.2 29.0 87.1

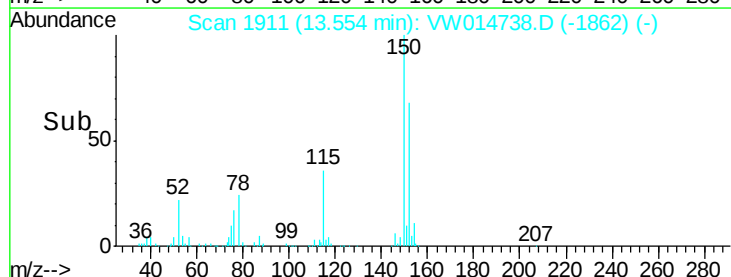
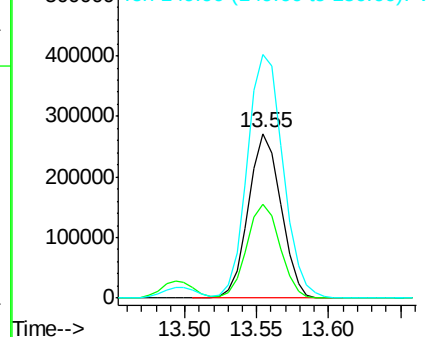
150 162.0 0.0 354.0

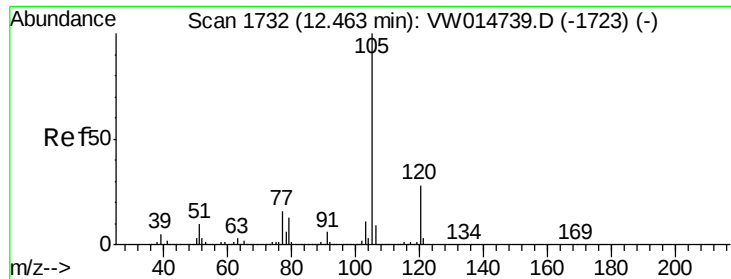


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.215 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 633550

Ion Ratio Lower Upper

105 100

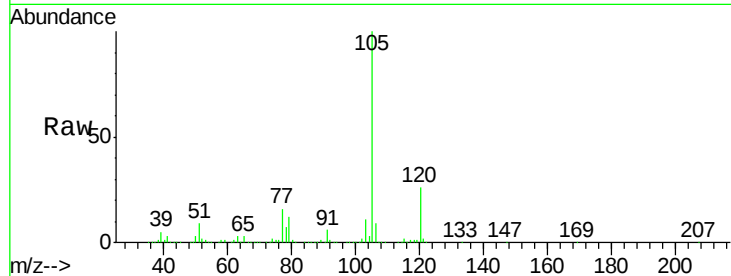
120 26.2 13.6 40.8

Manual Integrations

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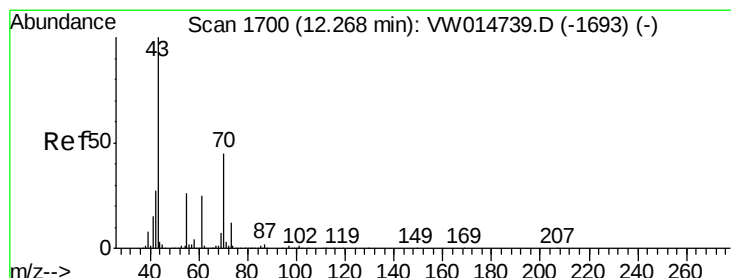
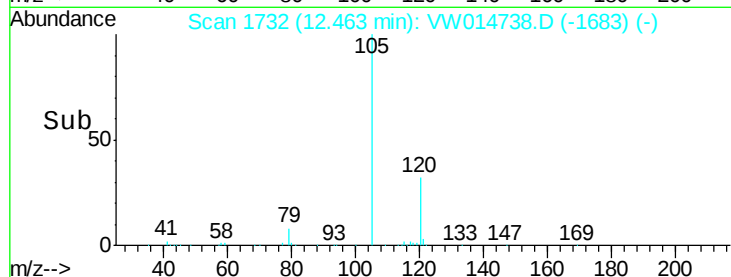
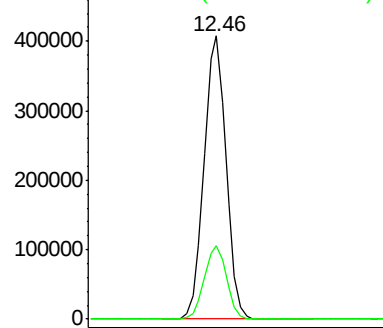
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.832 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Tgt Ion: 43 Resp: 160101

Ion Ratio Lower Upper

43 100

70 42.1 34.6 52.0

55 27.0 20.6 30.8

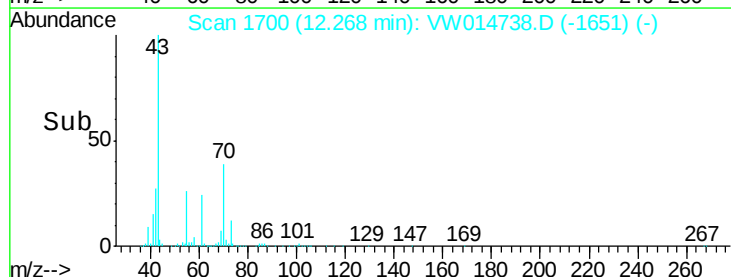
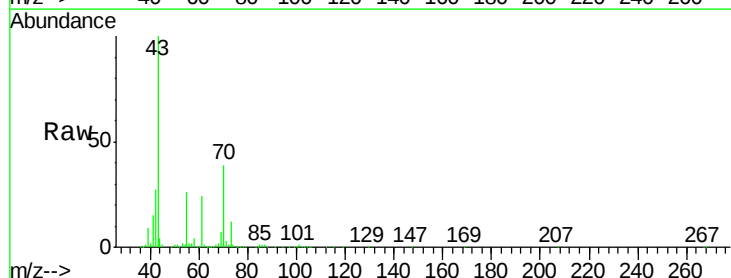
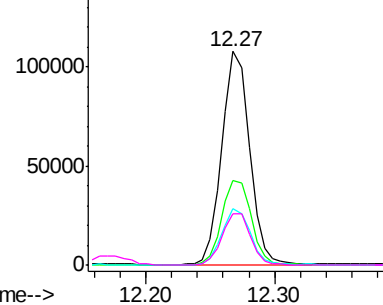
61 24.7 19.4 29.2

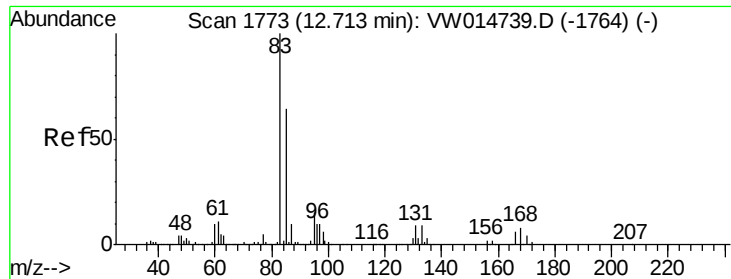
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 22.054 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

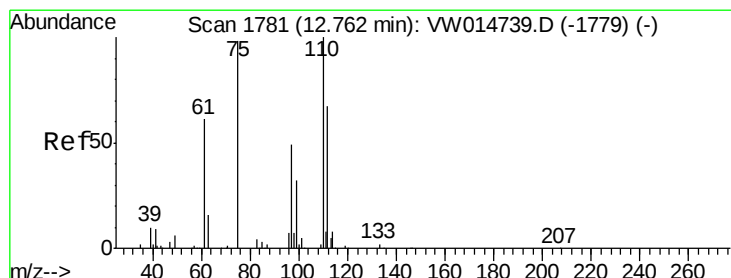
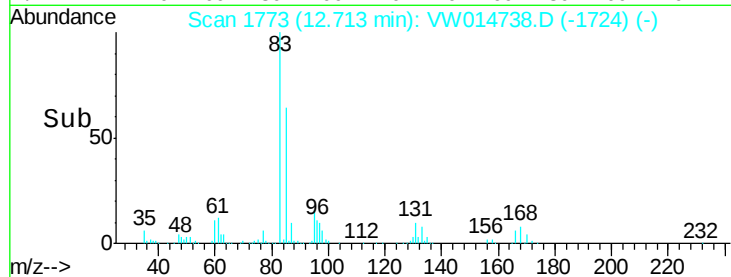
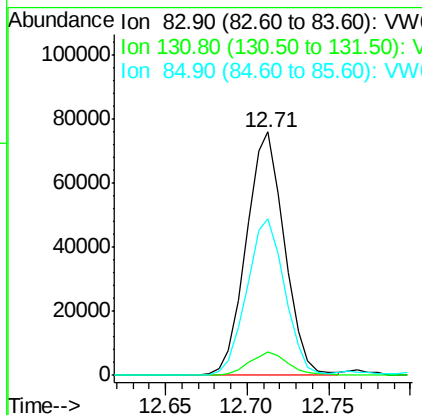
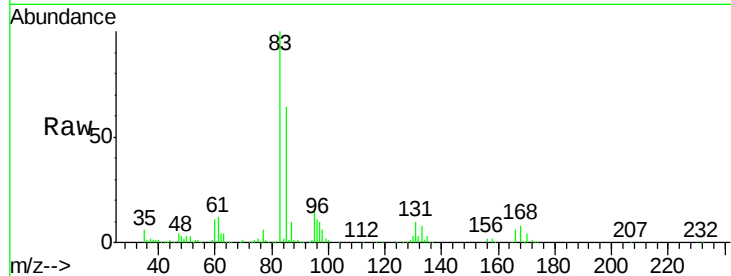
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	123149
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.4
85	64.3	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.099 ug/l m

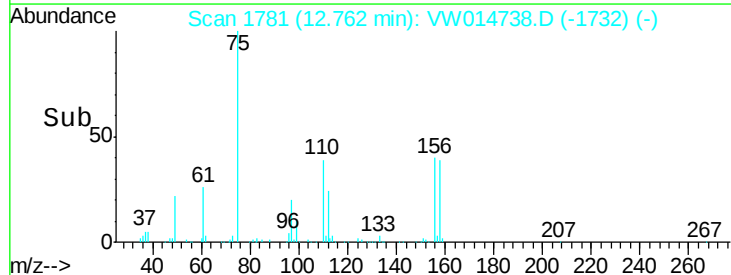
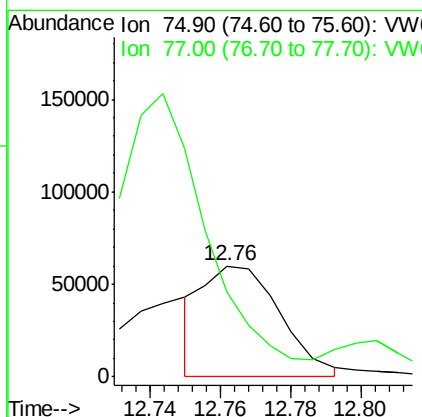
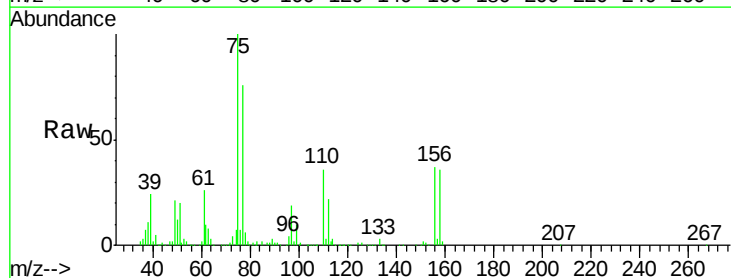
RT: 12.76 min Scan# 1781

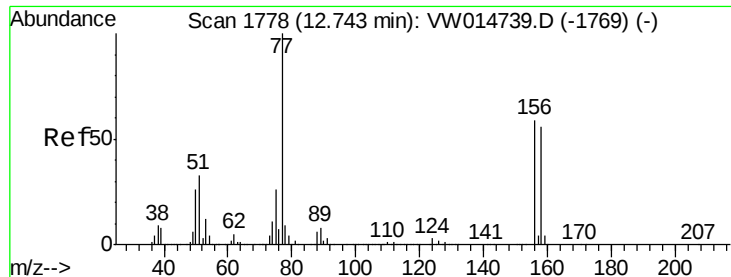
Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Tgt Ion:	75	Resp:	91802
Ion Ratio	Lower	Upper	
75	100		
77	309.1	167.9	503.9





#77

Bromobenzene

Concen: 19.951 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

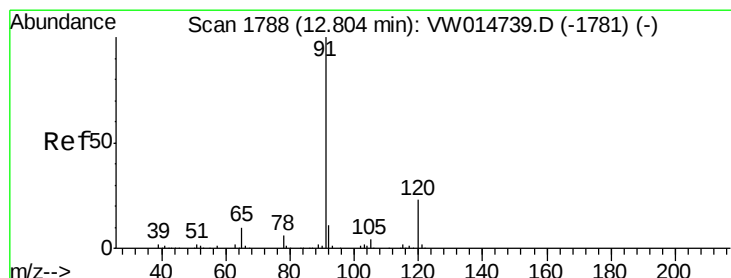
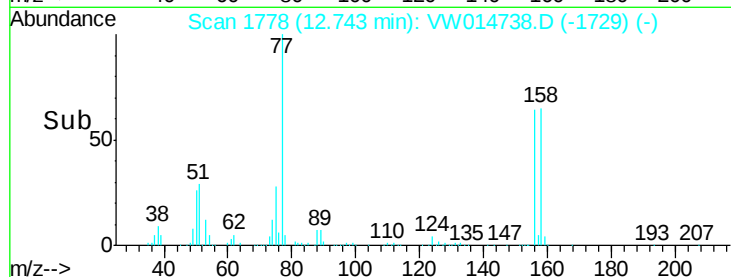
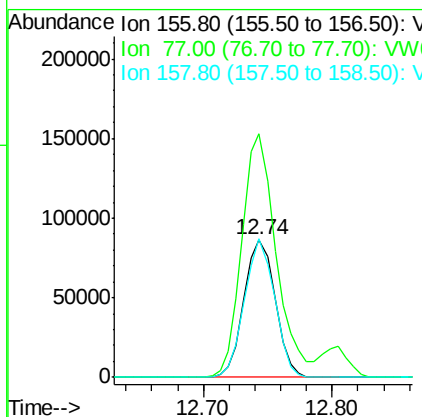
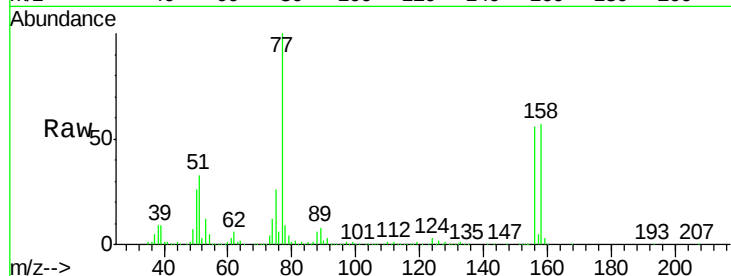
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	145270
Ion Ratio	Lower	Upper	
156	100		
77	195.3	94.5	283.5
158	96.8	48.3	144.8

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#78

n-propylbenzene

Concen: 20.931 ug/l

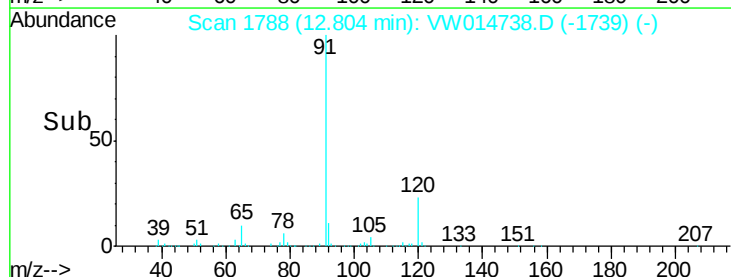
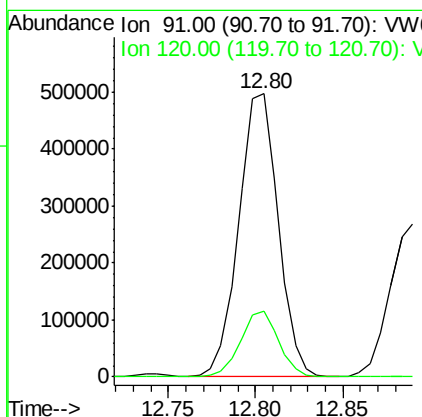
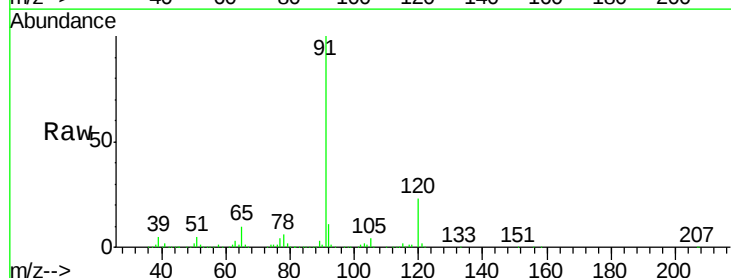
RT: 12.80 min Scan# 1788

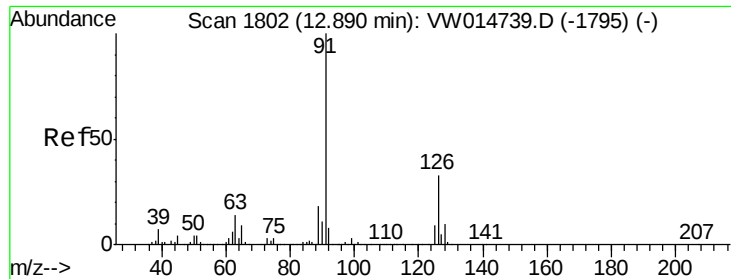
Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Tgt Ion:	91	Resp:	777145
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.3	33.9





#79

2-Chlorotoluene

Concen: 20.605 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 435052

Ion Ratio Lower Upper

91 100

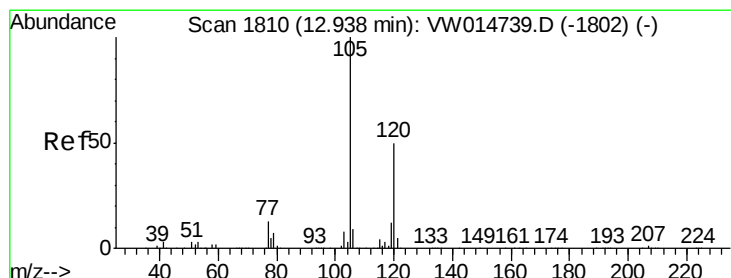
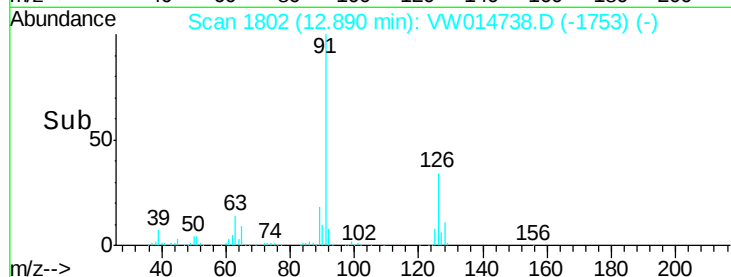
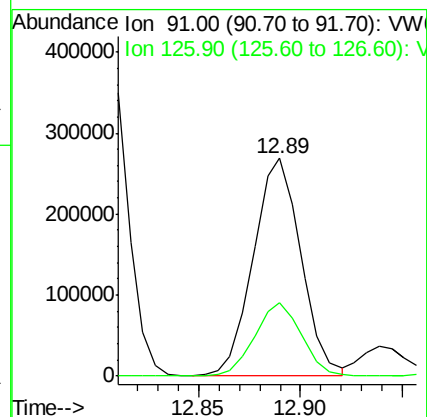
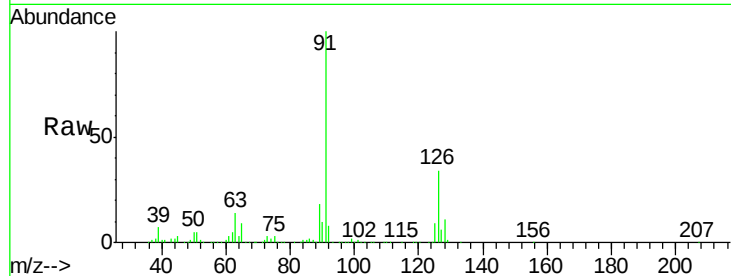
126 33.2 16.9 50.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.247 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014738.D

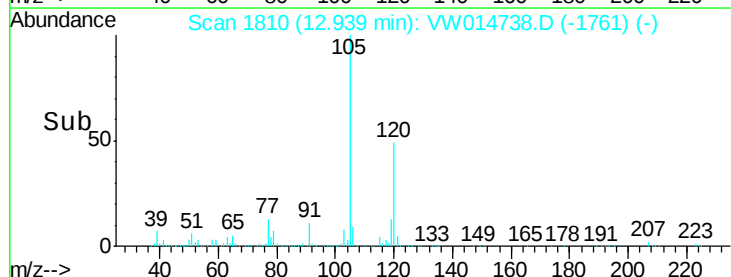
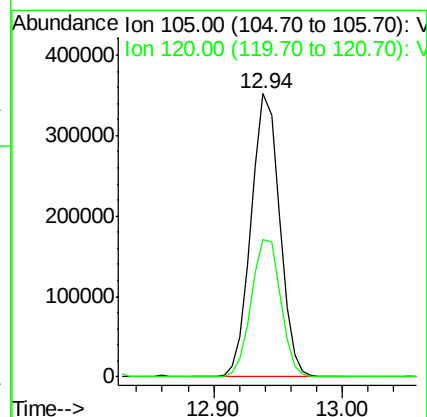
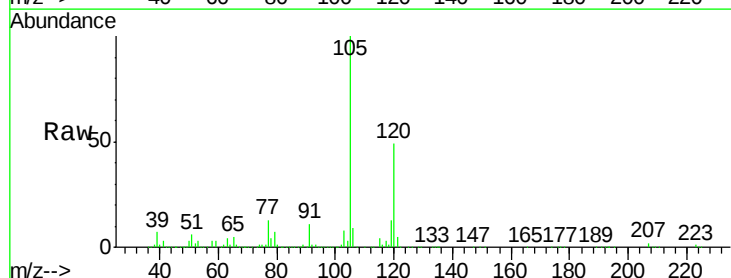
Acq: 24 Jan 2020 11:25

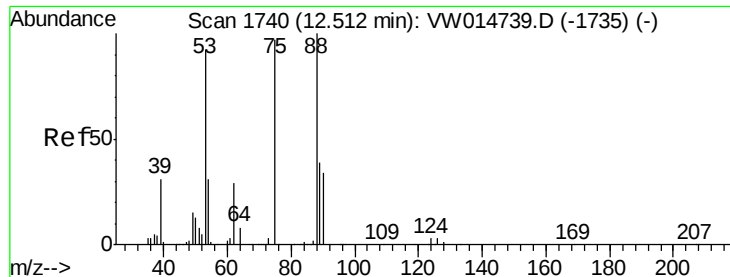
Tgt Ion: 105 Resp: 535332

Ion Ratio Lower Upper

105 100

120 50.2 25.0 75.0





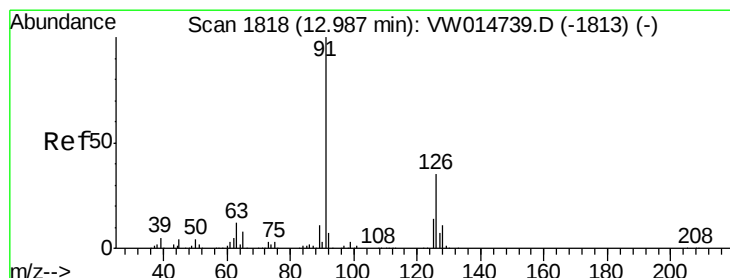
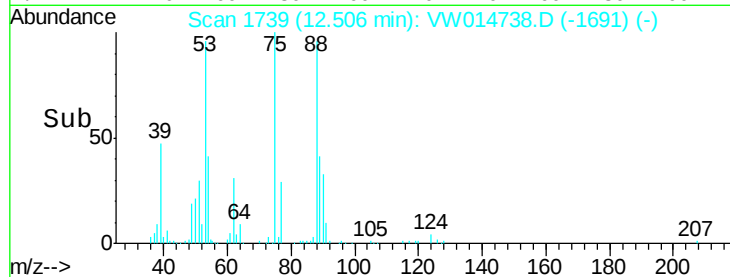
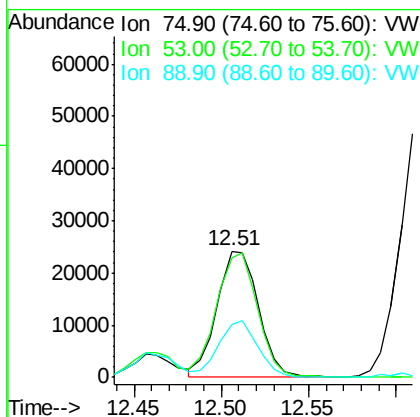
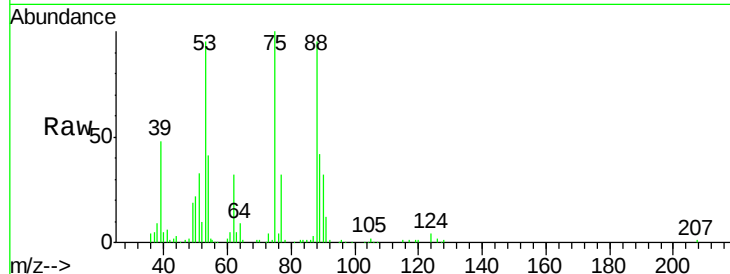
#81
trans-1,4-Dichloro-2-butene
Concen: 22.413 ug/l
RT: 12.51 min Scan# 1739
Delta R.T. -0.01 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.0	77.0	115.4
89	42.8	35.2	52.8

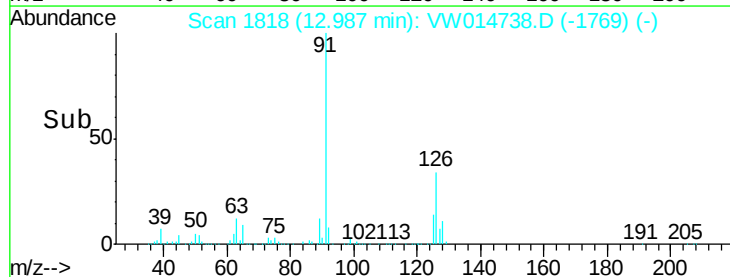
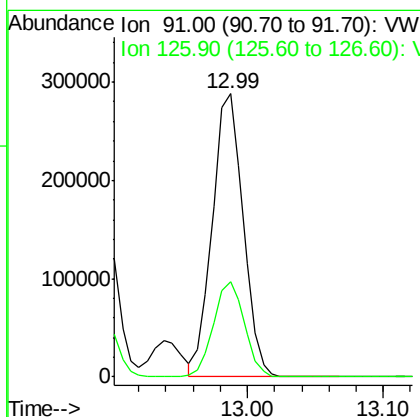
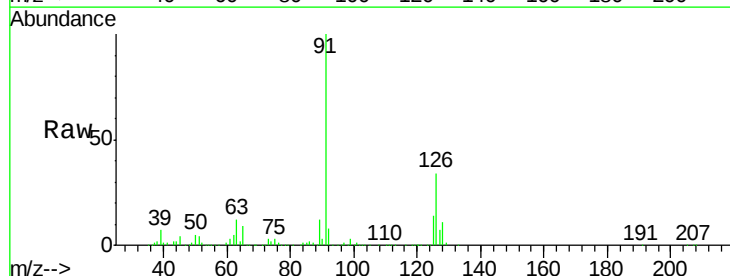
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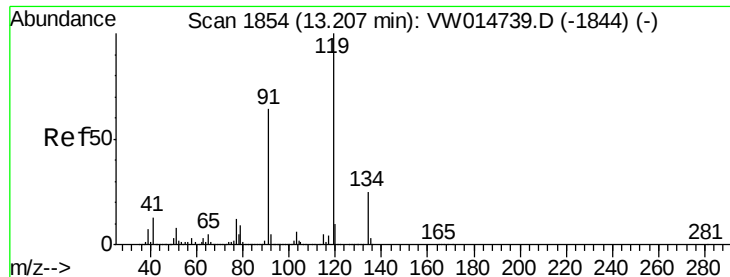
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#82
4-Chlorotoluene
Concen: 20.644 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.7	50.1





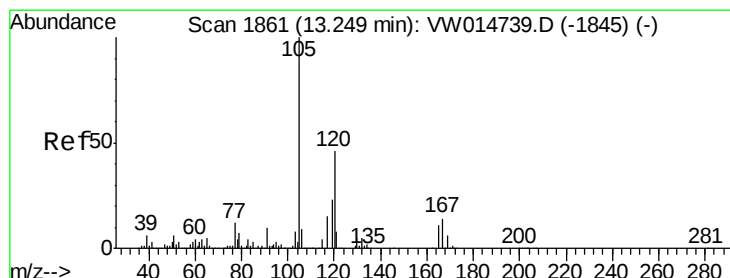
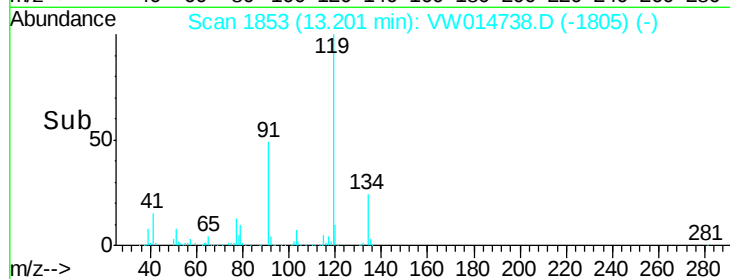
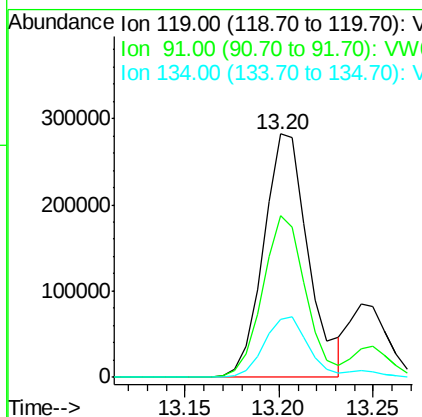
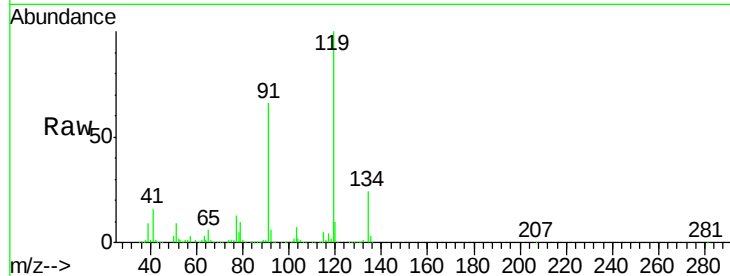
#83
tert-Butylbenzene
Concen: 20.133 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	464596		
91	63.5	32.1	96.3	
134	24.7	13.4	40.2	

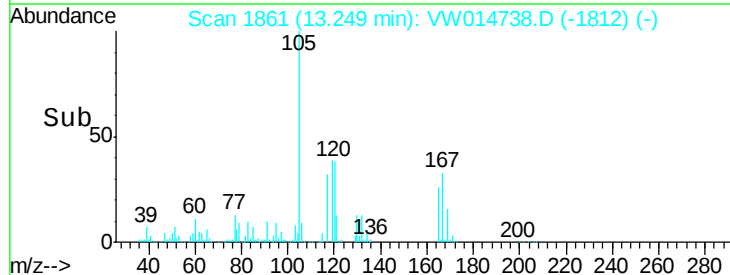
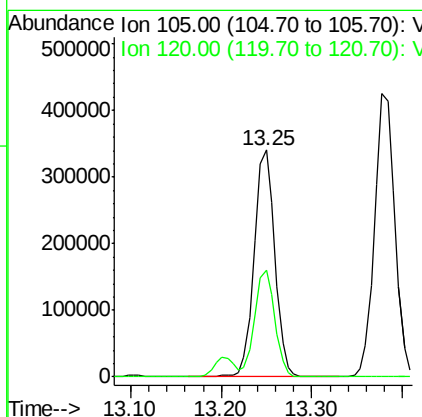
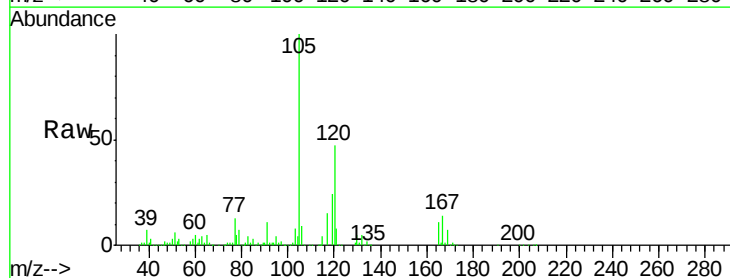
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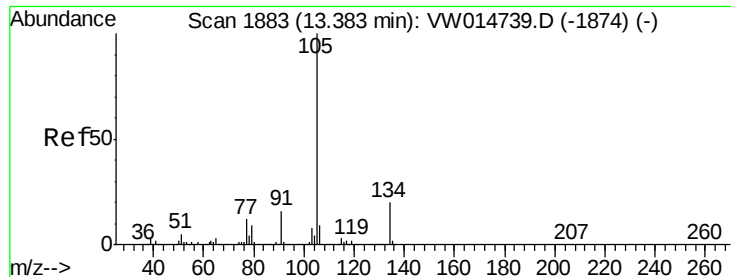
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.424 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	537924		
120	46.2	23.3	69.8	





#85

sec-Butylbenzene

Concen: 20.536 ug/l

RT: 13.38 min Scan# 1882

Delta R.T. -0.01 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 657778

Ion Ratio Lower Upper

105 100

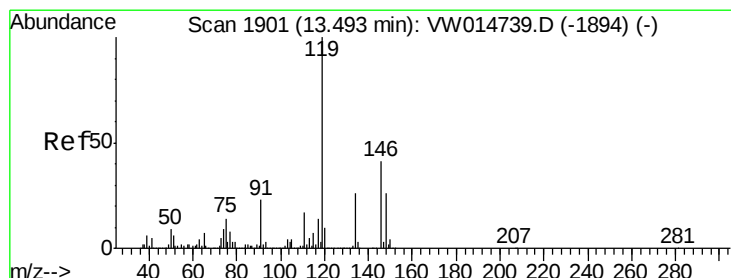
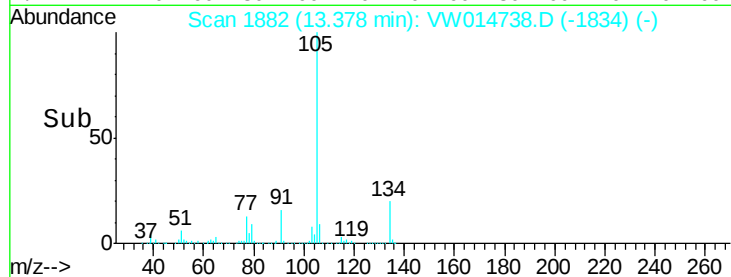
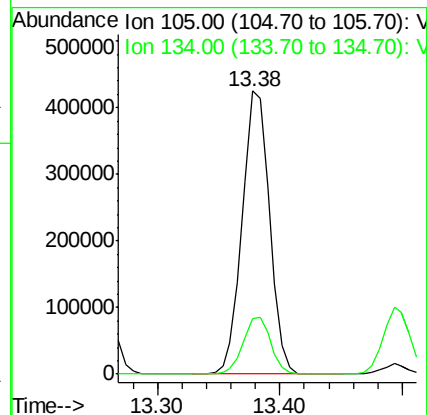
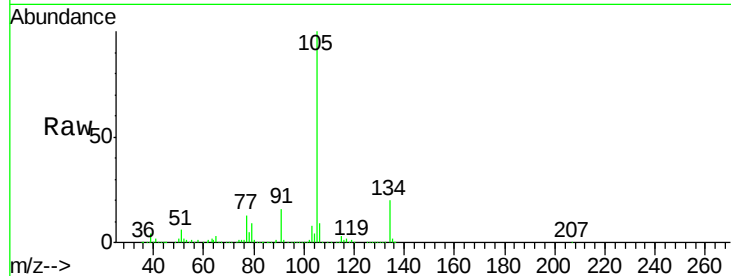
134 20.2 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 20.271 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

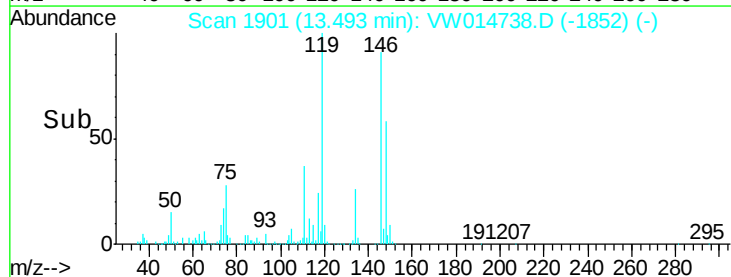
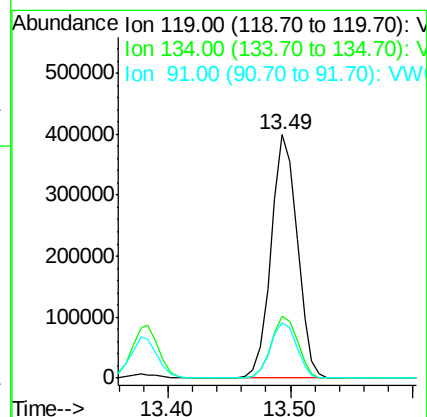
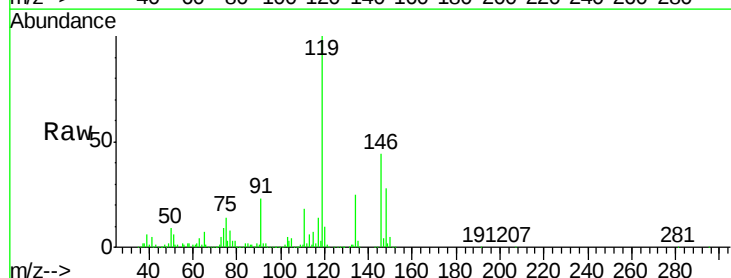
Tgt Ion:119 Resp: 592398

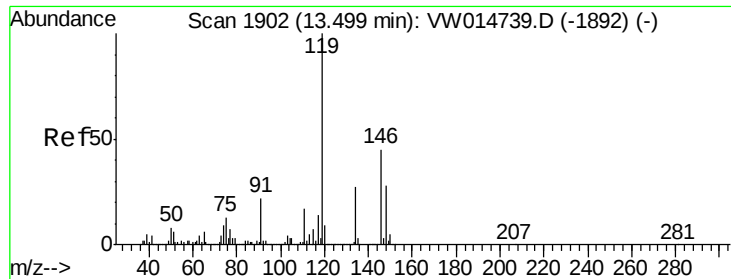
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 23.1 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.376 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW014738.D

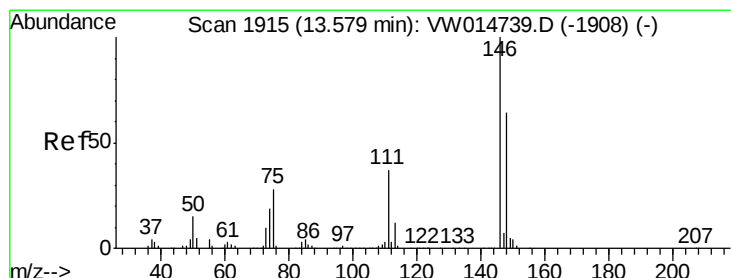
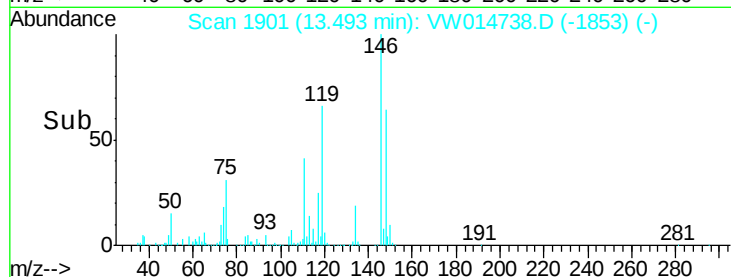
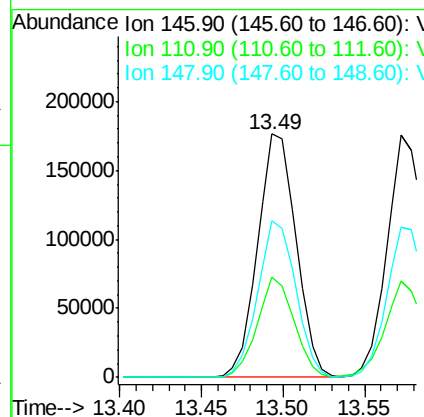
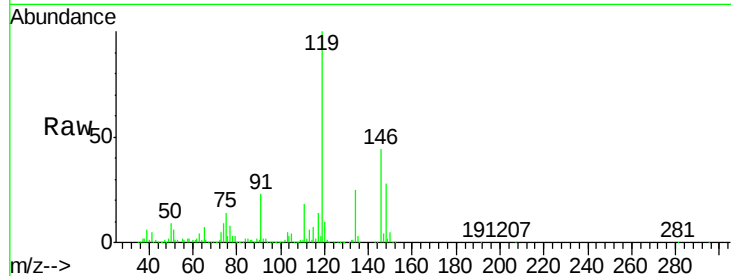
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	288735		
111	39.4	19.8	59.4	
148	63.8	31.6	95.0	

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#88

1,4-Dichlorobenzene

Concen: 20.230 ug/l

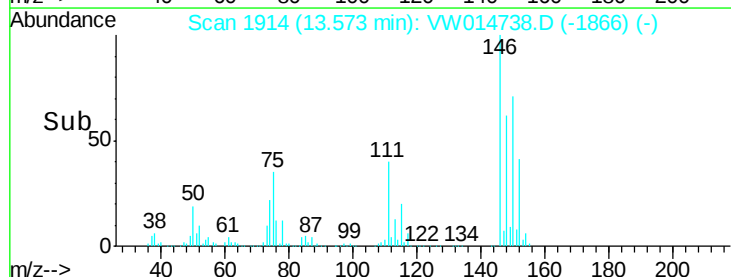
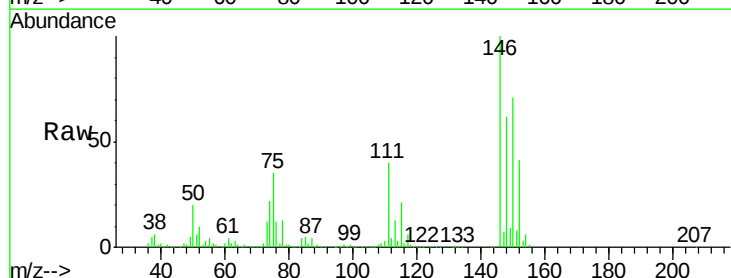
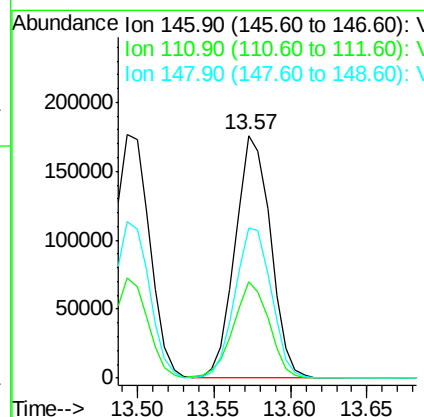
RT: 13.57 min Scan# 1914

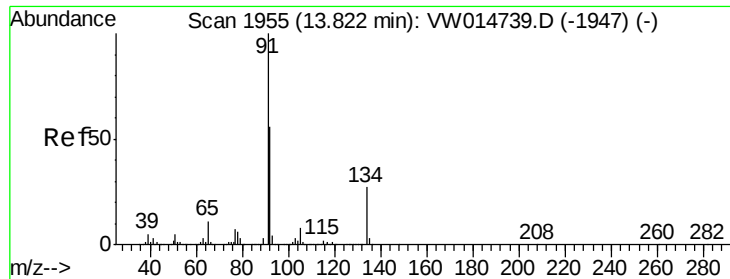
Delta R.T. -0.01 min

Lab File: VW014738.D

Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	282249		
111	40.3	19.4	58.4	
148	64.1	32.0	96.2	





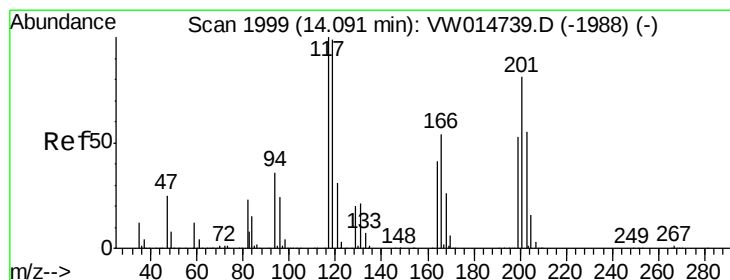
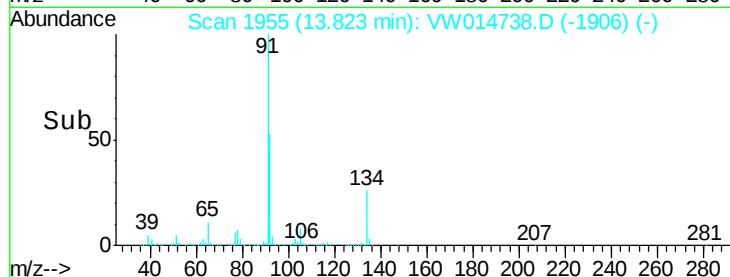
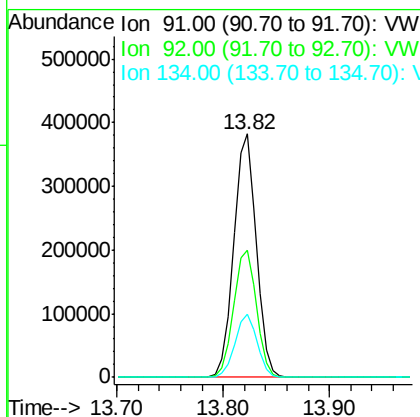
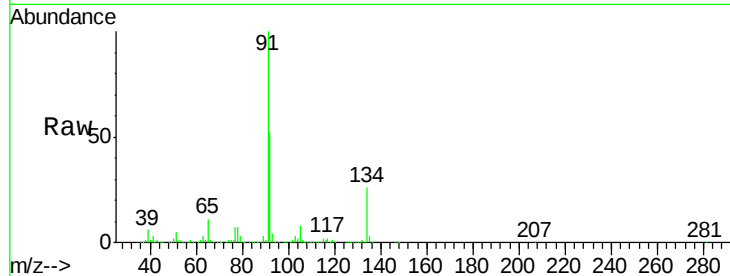
#89
n-Butylbenzene
Concen: 20.847 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	27.5	82.4
134	25.7	13.1	39.1

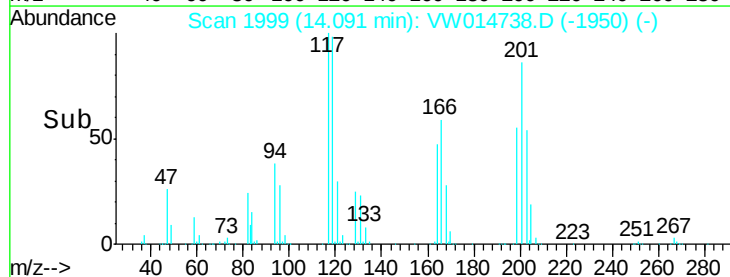
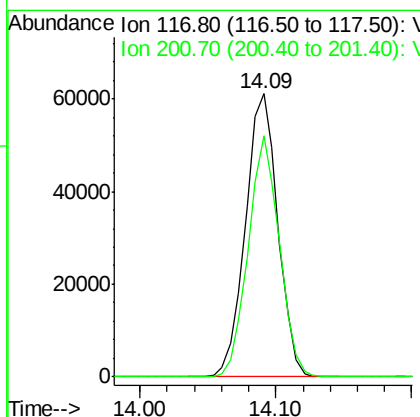
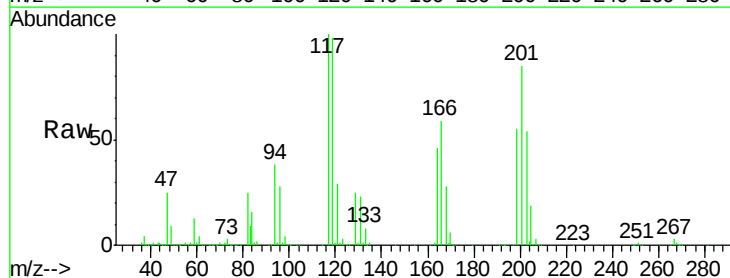
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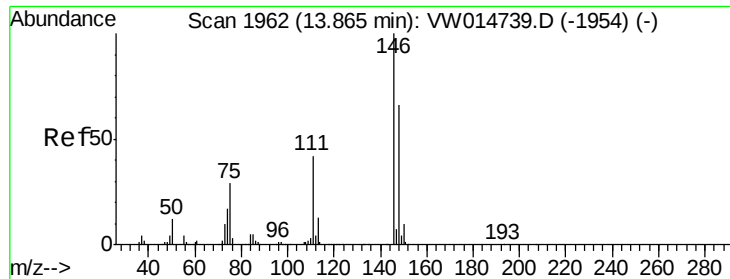
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#90
Hexachloroethane
Concen: 20.009 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.8	41.6	124.9





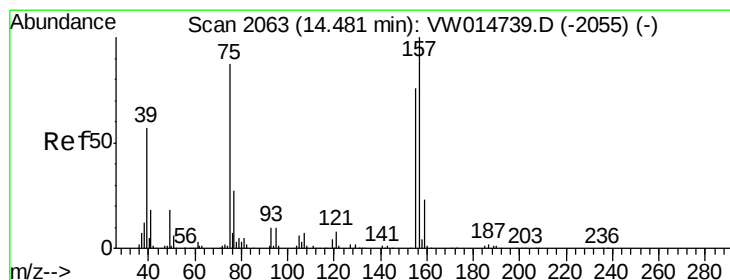
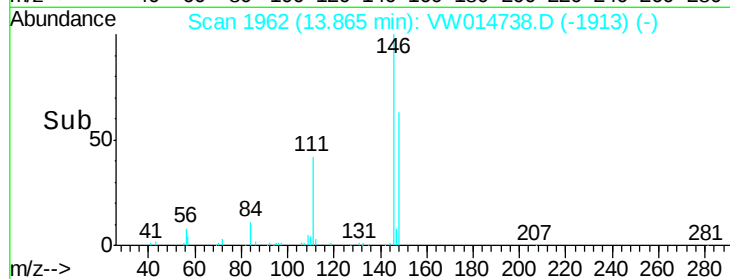
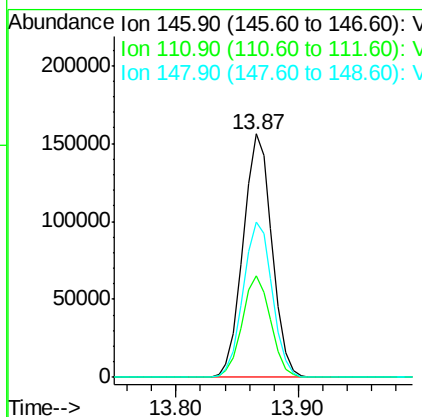
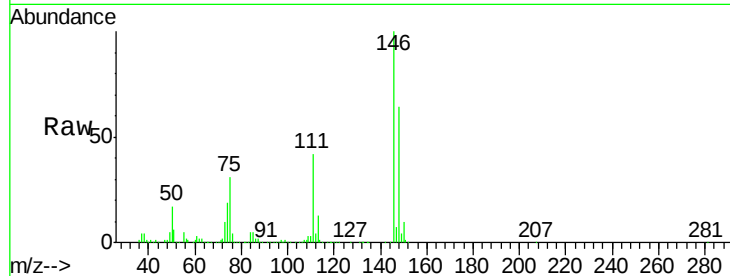
#91
 1,2-Dichlorobenzene
 Concen: 20.434 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW014738.D
 Acq: 24 Jan 2020 11:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.7	62.1
148	64.5	32.5	97.4

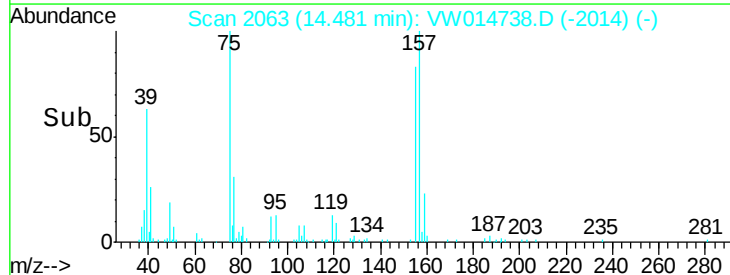
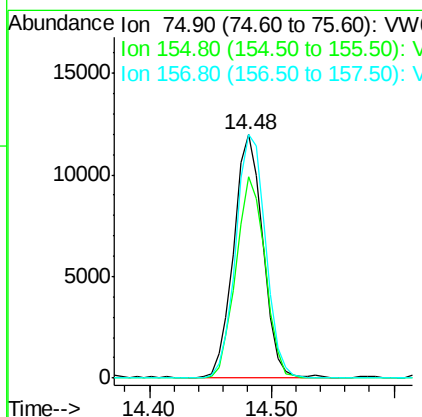
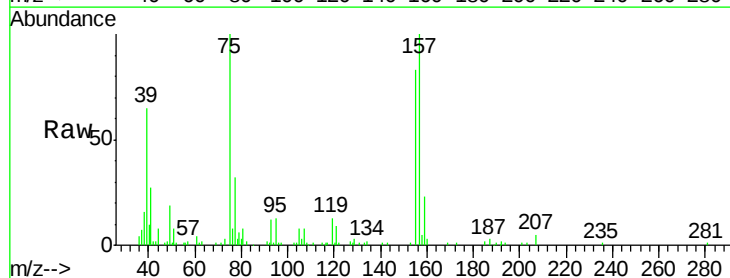
Manual Integrations
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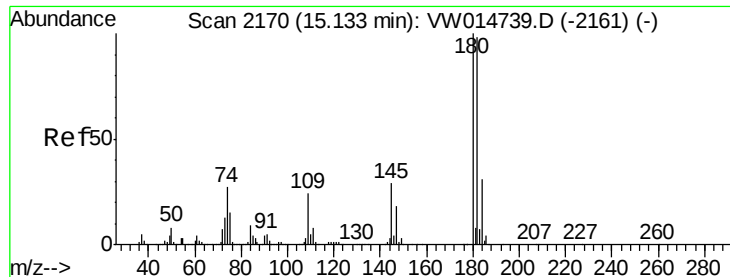
MMDadoda
 1/27/2020 12:04:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.406 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014738.D
 Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	42.5	127.5
157	101.6	54.8	164.4





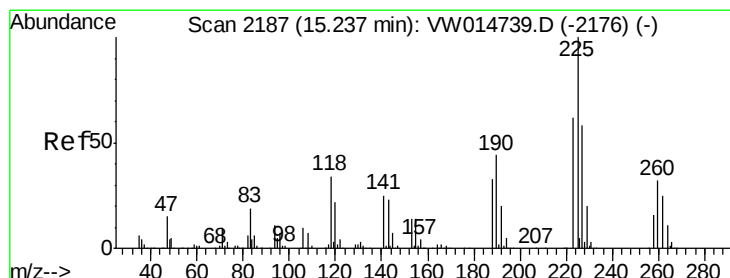
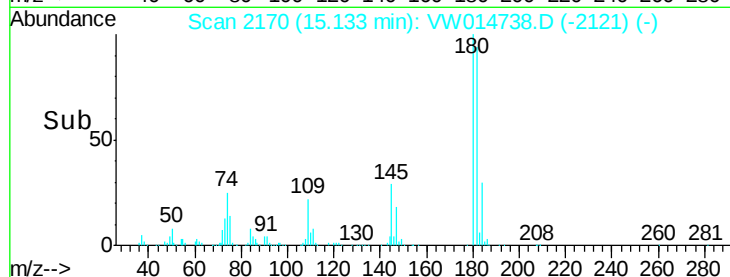
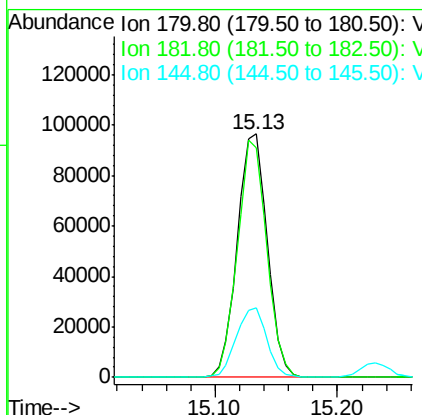
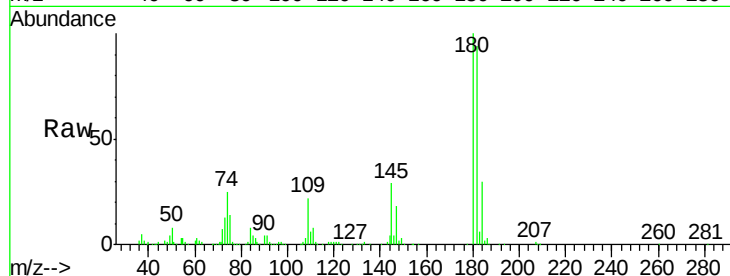
#93
 1,2,4-Trichlorobenzene
 Concen: 19.688 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014738.D
 Acq: 24 Jan 2020 11:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	164104		
182	95.3	48.6	145.9	
145	29.1	14.7	44.1	

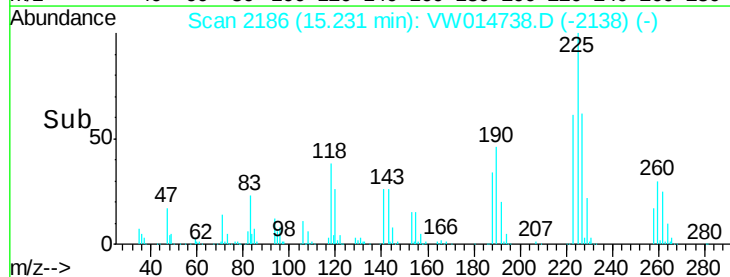
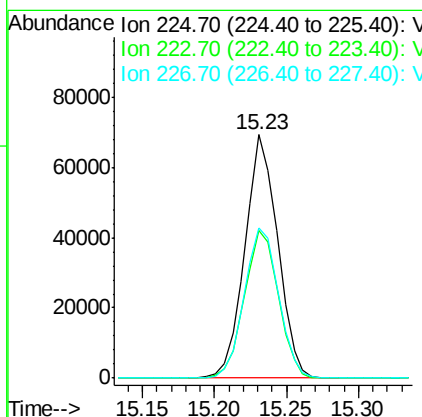
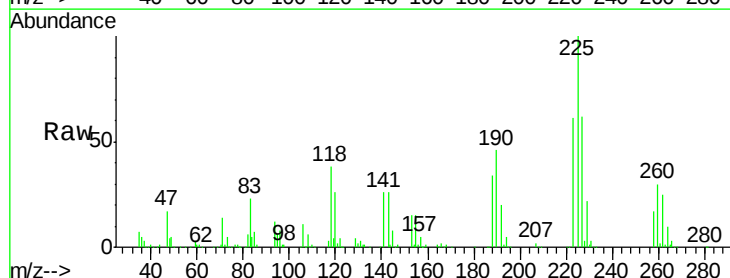
Manual Integrations
 APPROVED

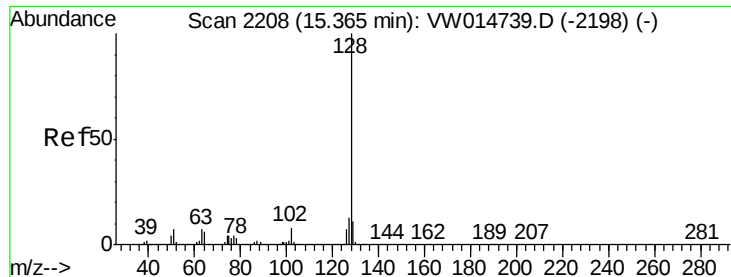
MMDadoda
 1/27/2020 12:04:40 PM



#94
 Hexachlorobutadiene
 Concen: 19.318 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW014738.D
 Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108782		
223	63.2	31.4	94.3	
227	64.5	30.9	92.8	





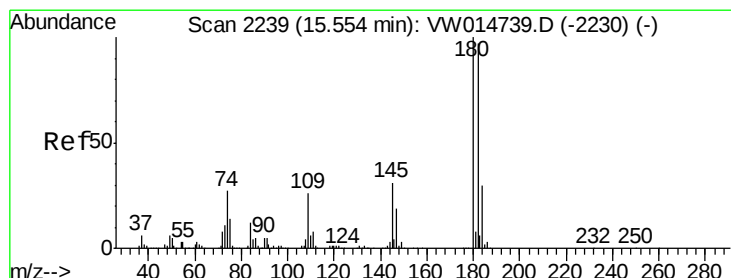
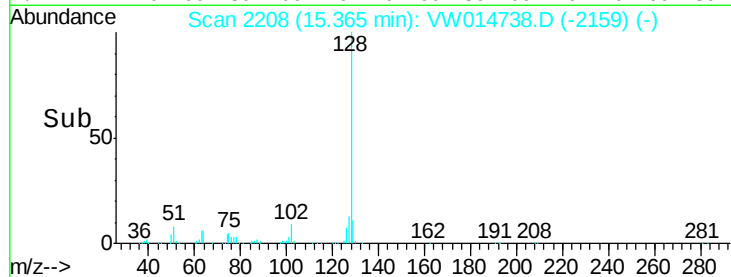
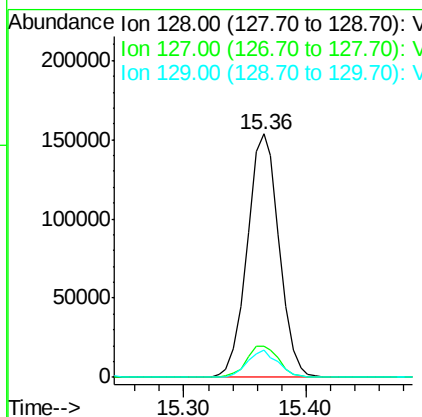
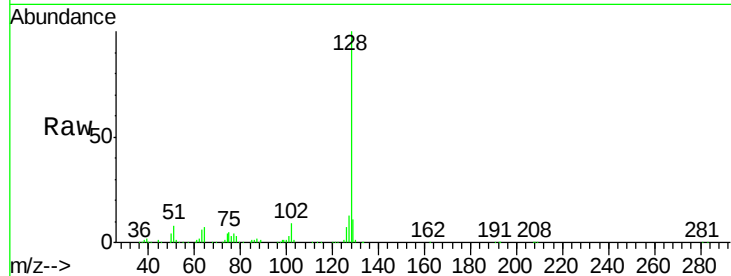
#95
Naphthalene
Concen: 19.790 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:04:40 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.248 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014738.D
Acq: 24 Jan 2020 11:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.2	141.6
145	31.6	15.4	46.4

