

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015222.D
 Acq On : 20 Apr 2020 14:33
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW042020

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:34 AM

Quant Time: Apr 21 06:45:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	252959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	363220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	186712	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	98010	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
35) Dibromofluoromethane	7.88	113	96744	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
50) Toluene-d8	10.32	98	418062	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.62	95	161083	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	104609	52.367	ug/l	97
3) Chloromethane	2.21	50	109213	50.205	ug/l	98
4) Vinyl Chloride	2.36	62	128175	49.897	ug/l	97
5) Bromomethane	2.78	94	92623	50.712	ug/l	92
6) Chloroethane	2.92	64	78097	49.013	ug/l	99
7) Trichlorofluoromethane	3.26	101	180952	49.781	ug/l	98
8) Diethyl Ether	3.69	74	48182	47.224	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.07	101	109513	48.855	ug/l	94
10) Methyl Iodide	4.28	142	121669	51.677	ug/l	99
11) Tert butyl alcohol	5.24	59	23499	139.359	ug/l #	92
12) 1,1-Dichloroethene	4.04	96	105789	49.031	ug/l	98
13) Acrolein	3.91	56	19493	220.868	ug/l	96
14) Allyl chloride	4.68	41	137333	47.980	ug/l	87
15) Acrylonitrile	5.38	53	83135	214.112	ug/l	98
16) Acetone	4.16	43	72556m	200.819	ug/l	
17) Carbon Disulfide	4.39	76	314701	49.082	ug/l	98
18) Methyl Acetate	4.69	43	38729	40.496	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	227668	45.966	ug/l	99
20) Methylene Chloride	4.92	84	111740	47.190	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	118552	48.448	ug/l	94
22) Diisopropyl ether	6.32	45	264499	48.169	ug/l	95
23) Vinyl Acetate	6.26	43	747842	232.085	ug/l	96
24) 1,1-Dichloroethane	6.22	63	184670	48.526	ug/l	98
25) 2-Butanone	7.18	43	95996	200.264	ug/l #	89
26) 2,2-Dichloropropane	7.17	77	189452	47.320	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	128545	48.659	ug/l	98
28) Bromochloromethane	7.52	49	66006	47.705	ug/l #	79
29) Tetrahydrofuran	7.54	42	60456	202.436	ug/l	89
30) Chloroform	7.68	83	199112	48.478	ug/l	99
31) Cyclohexane	7.96	56	175924	45.989	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	191227	48.240	ug/l	99
36) 1,1-Dichloropropene	8.09	75	158615	48.383	ug/l	98
37) Ethyl Acetate	7.26	43	46054	43.286	ug/l #	97
38) Carbon Tetrachloride	8.07	117	173682	48.480	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	210995	48.356	ug/l	96
40) Benzene	8.32	78	427829	48.855	ug/l	96
41) Methacrylonitrile	7.49	41	29501	46.213	ug/l	97
42) 1,2-Dichloroethane	8.40	62	120785	46.852	ug/l	100
43) Isopropyl Acetate	8.43	43	97262	43.587	ug/l	94
44) Trichloroethene	9.09	130	131036	48.919	ug/l	92
45) 1,2-Dichloropropane	9.37	63	97935	48.090	ug/l	99
46) Dibromomethane	9.46	93	53973	45.817	ug/l #	88
47) Bromodichloromethane	9.65	83	149841	47.581	ug/l	98
48) Methyl methacrylate	9.44	41	48229	45.720	ug/l	91
49) 1,4-Dioxane	9.48	88	12940	823.971	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	225466	215.242	ug/l	97
52) Toluene	10.39	92	306856	50.068	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	147598	47.533	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	173388	48.040	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	75586	45.822	ug/l	95
56) Ethyl methacrylate	10.65	69	97023	45.657	ug/l	94
57) 1,3-Dichloropropane	10.93	76	127733	46.746	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	218078	221.354	ug/l	91
59) 2-Hexanone	10.97	43	157264	210.318	ug/l	97
60) Dibromochloromethane	11.13	129	102129	46.892	ug/l	100
61) 1,2-Dibromoethane	11.23	107	73692	45.783	ug/l	99
64) Tetrachloroethene	10.86	164	119193	48.801	ug/l	94
65) Chlorobenzene	11.66	112	333900	49.722	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	114120	47.282	ug/l	97
67) Ethyl Benzene	11.73	91	615613	49.158	ug/l	100
68) m/p-Xylenes	11.84	106	488409	99.497	ug/l	100
69) o-Xylene	12.16	106	225300	49.173	ug/l	99
70) Styrene	12.18	104	390381	49.984	ug/l	99
71) Bromoform	12.35	173	61671	45.348	ug/l #	98
73) Isopropylbenzene	12.46	105	634462	49.010	ug/l	100
74) N-amyl acetate	12.27	43	100394	44.576	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	79771	43.400	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	65481m	45.334	ug/l	
77) Bromobenzene	12.74	156	144204	48.484	ug/l	85
78) n-propylbenzene	12.80	91	739394	49.055	ug/l	97
79) 2-Chlorotoluene	12.89	91	419482	49.383	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	546049	48.966	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	29551	44.723	ug/l	94
82) 4-Chlorotoluene	12.99	91	451053	50.012	ug/l	99
83) tert-Butylbenzene	13.21	119	479733	49.220	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	537149	48.836	ug/l	99
85) sec-Butylbenzene	13.38	105	658661	48.933	ug/l	97
86) p-Isopropyltoluene	13.50	119	619649	49.541	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	291946	49.402	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	285818	49.339	ug/l	97
89) n-Butylbenzene	13.82	91	559188	48.913	ug/l	98
90) Hexachloroethane	14.09	117	112893	49.217	ug/l	76
91) 1,2-Dichlorobenzene	13.87	146	249892	48.662	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14763	44.383	ug/l	88

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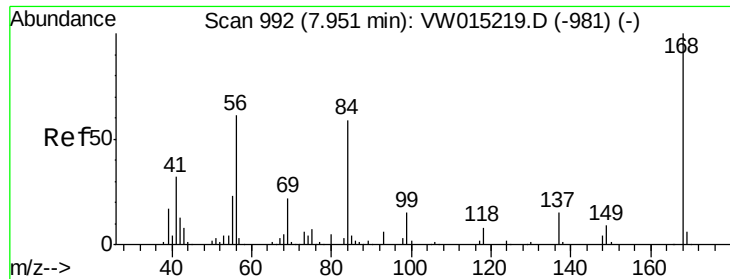
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	176215	49.368	ug/l	97
94) Hexachlorobutadiene	15.23	225	115788	48.656	ug/l	97
95) Naphthalene	15.36	128	282293	49.165	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	144987	49.924	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015222.D

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Instrument :

MSVOA_W

ClientSampleId :

ICVW042020

Tot Ion:168 Resp: 252959

Ion Ratio Lower Upper

168 100

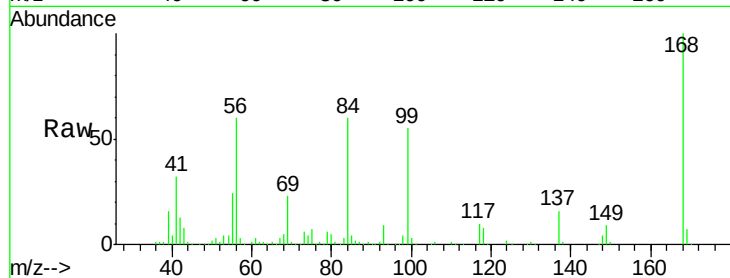
99 54.6 48.5 72.7

Manual Integrations

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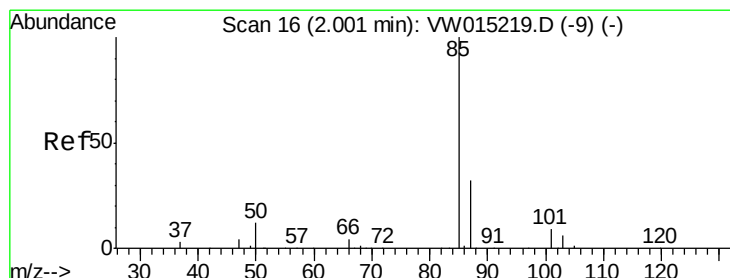
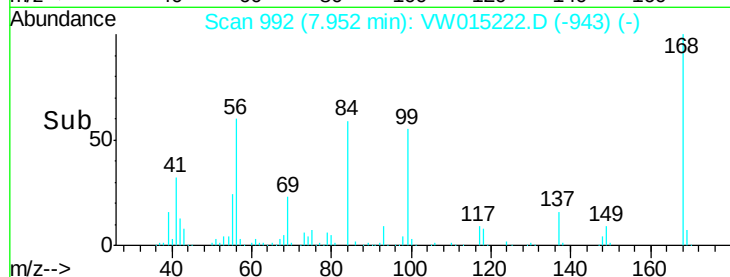
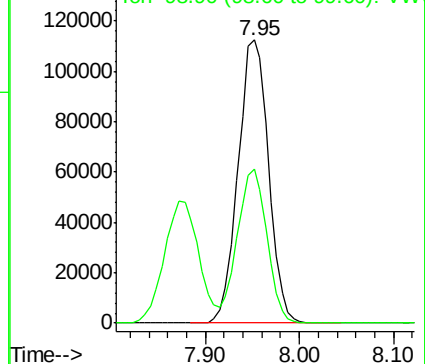
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 52.367 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015222.D

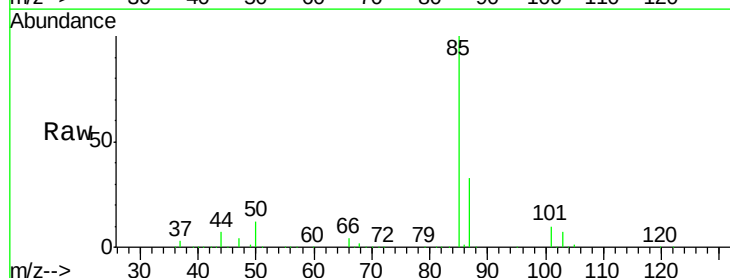
Acq: 20 Apr 2020 14:33

Tgt Ion: 85 Resp: 104609

Ion Ratio Lower Upper

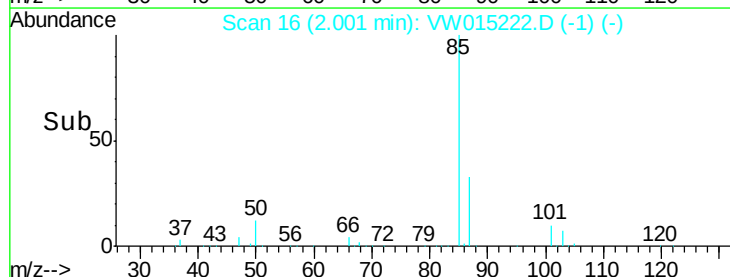
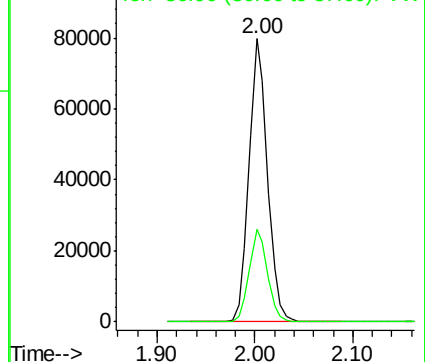
85 100

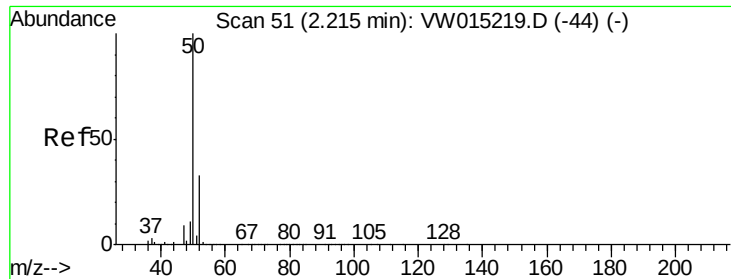
87 32.6 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 50.205 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW042020

Tot Ion: 50 Resp: 109213

Ion Ratio Lower Upper

50 100

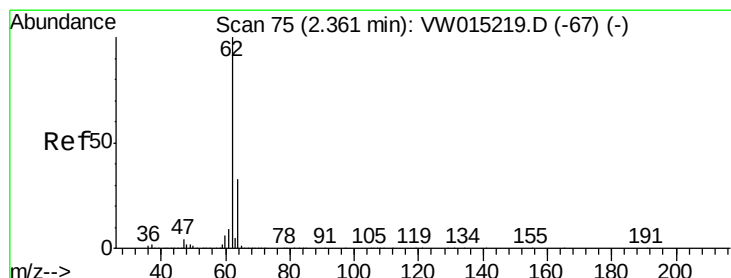
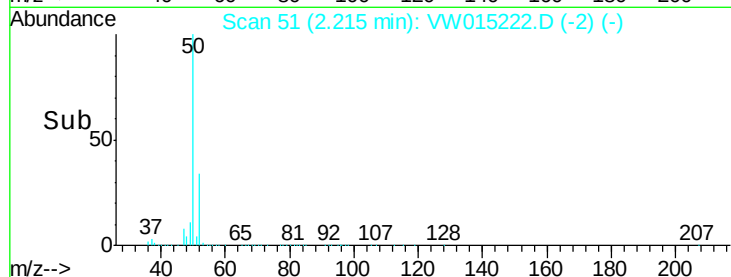
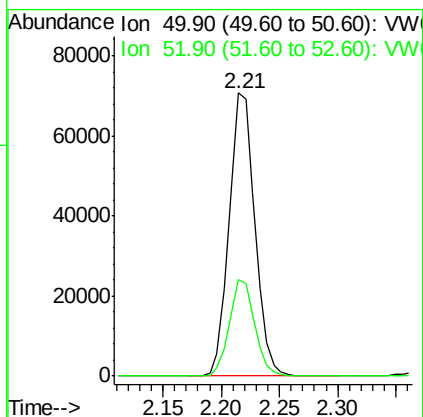
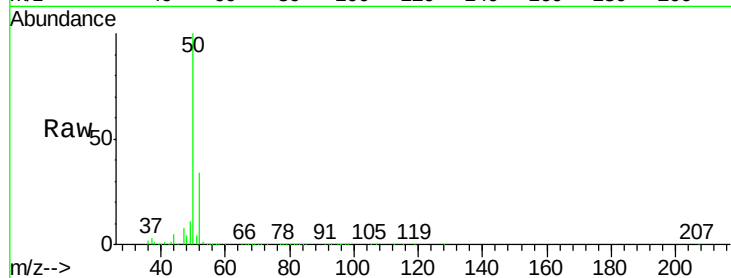
52 34.2 26.5 39.7

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#4

Vinyl Chloride

Concen: 49.897 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015222.D

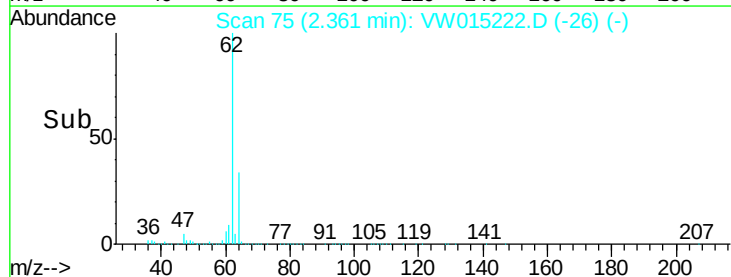
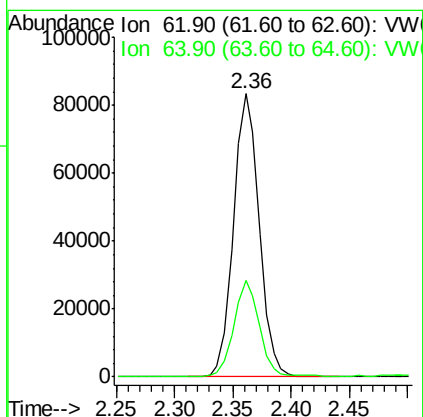
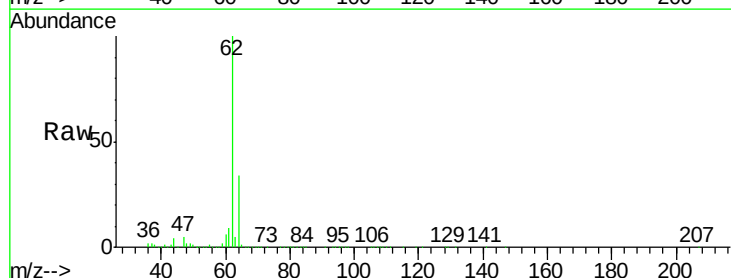
Acq: 20 Apr 2020 14:33

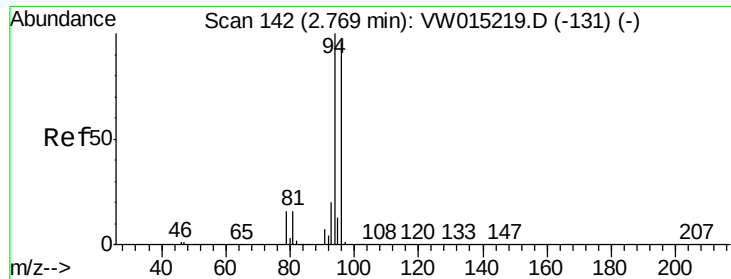
Tgt Ion: 62 Resp: 128175

Ion Ratio Lower Upper

62 100

64 33.7 25.4 38.2





#5

Bromomethane

Concen: 50.712 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW042020

Tot Ion: 94 Resp: 92623

Ion Ratio Lower Upper

94 100

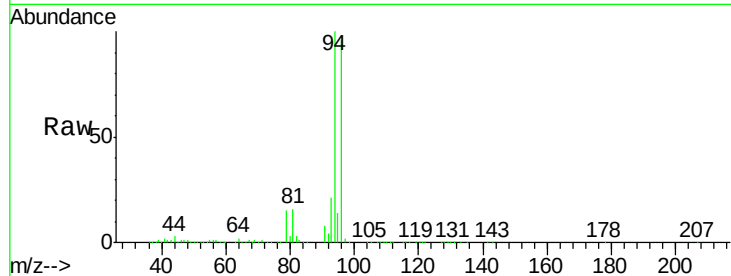
96 95.9 70.4 105.6

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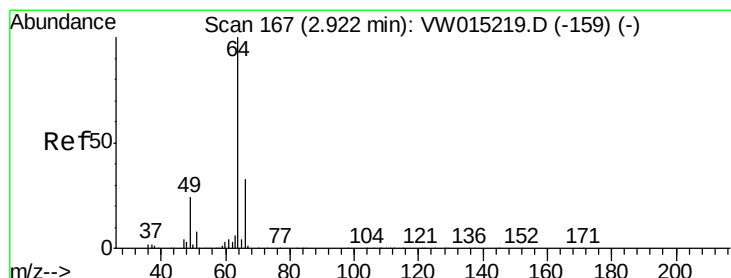
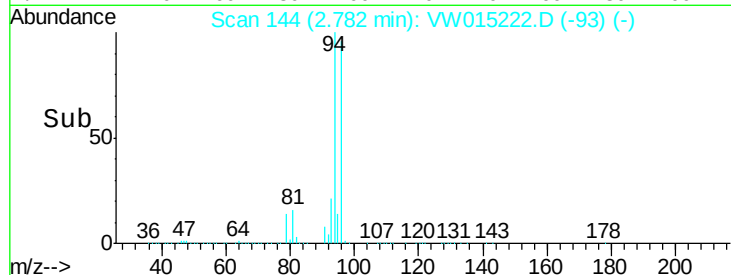
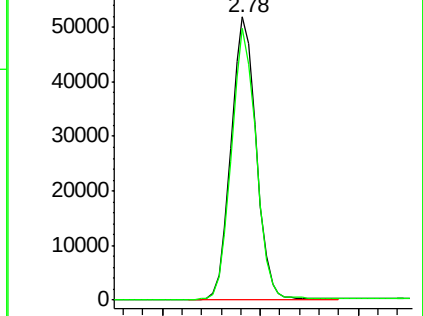
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 49.013 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015222.D

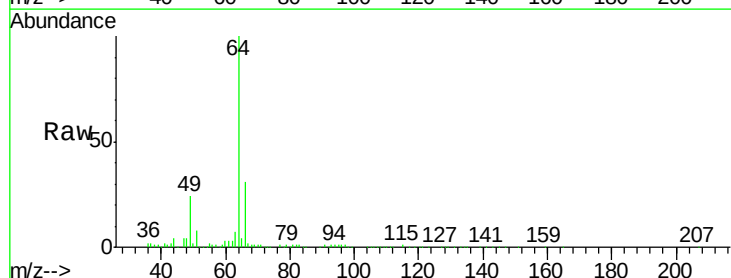
Acq: 20 Apr 2020 14:33

Tgt Ion: 64 Resp: 78097

Ion Ratio Lower Upper

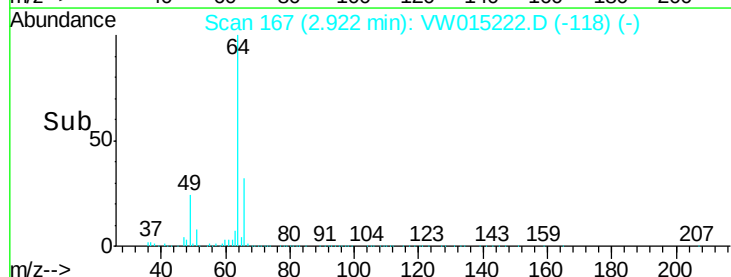
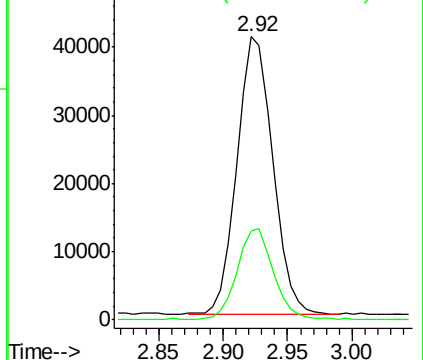
64 100

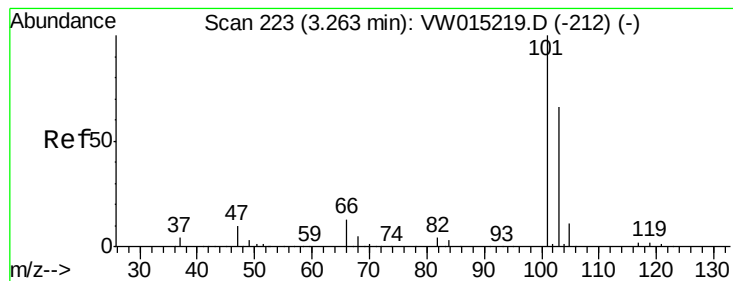
66 31.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





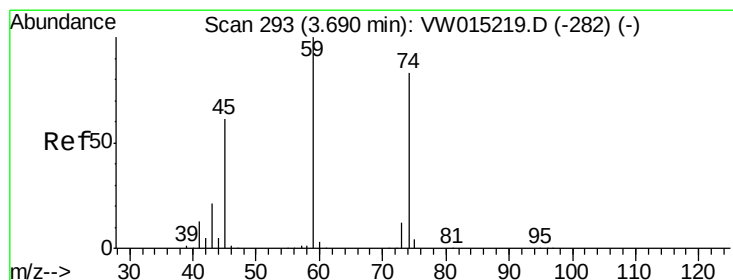
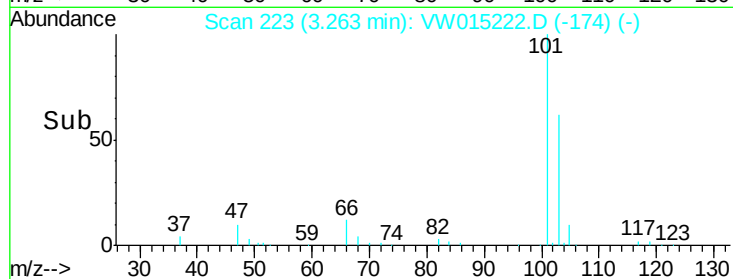
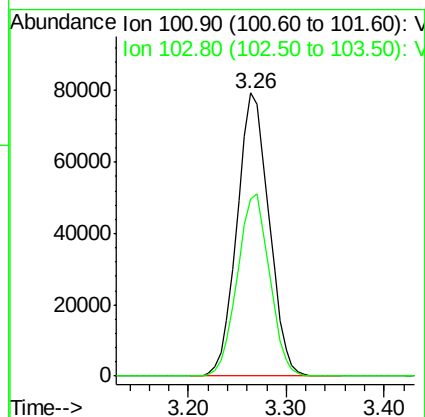
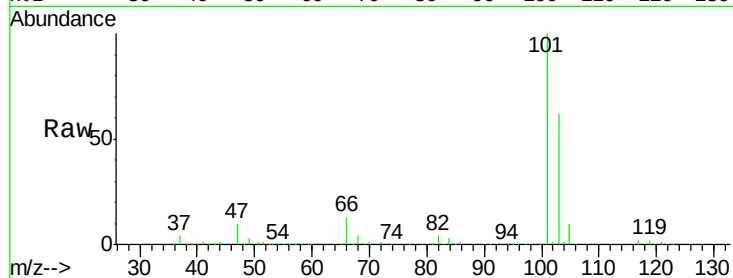
#7
 Trichlorofluoromethane
 Concen: 49.781 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	180952		
103	62.4	51.3	76.9	

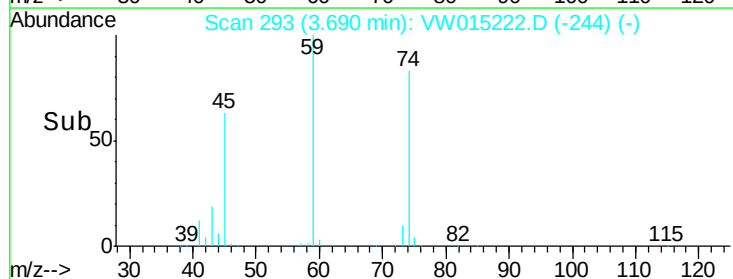
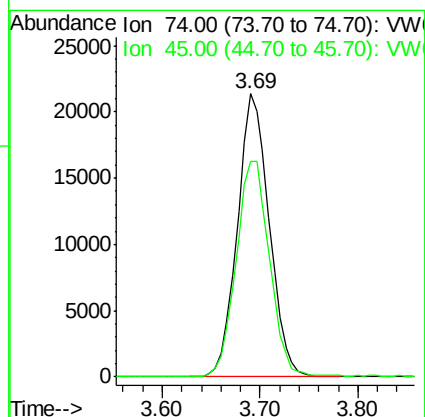
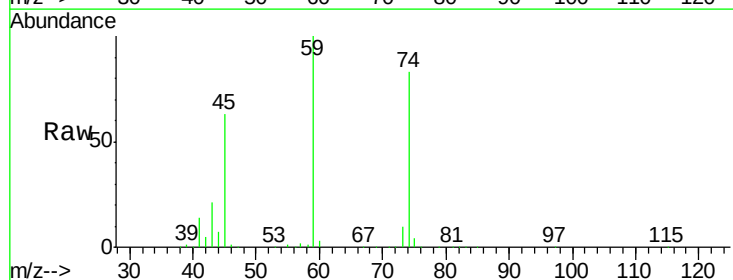
Manual Integrations
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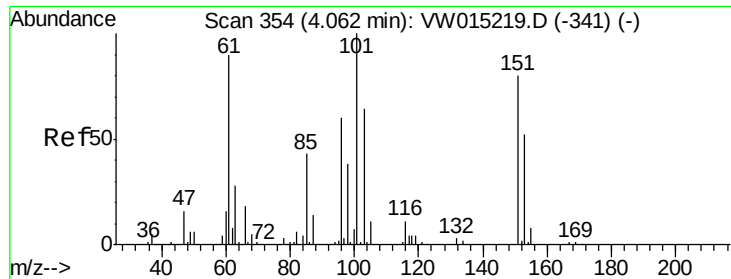
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#8
 Diethyl Ether
 Concen: 47.224 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	48182		
45	79.9	45.5	136.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.855 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

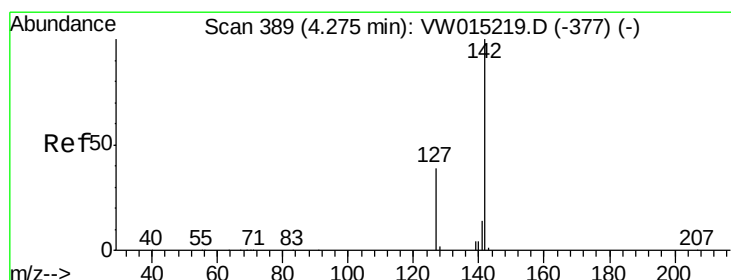
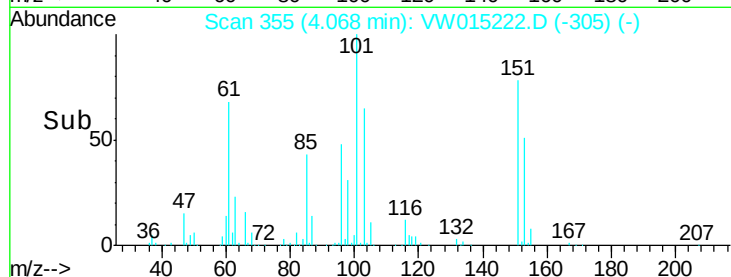
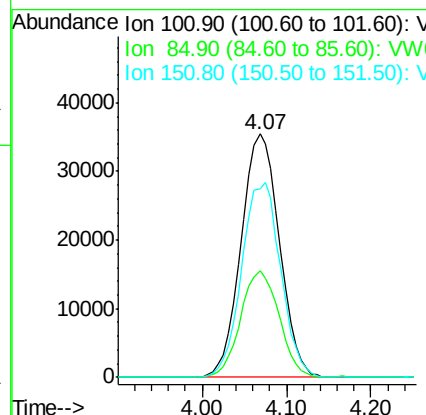
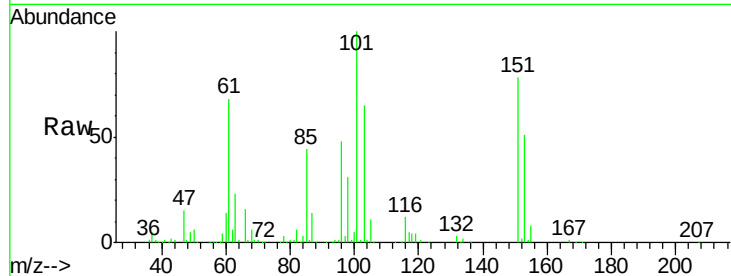
ClientSampleId :

ICVW042020

Tot Ion:	101	Resp:	109513
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.3	52.9
151	81.4	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 51.677 ug/l

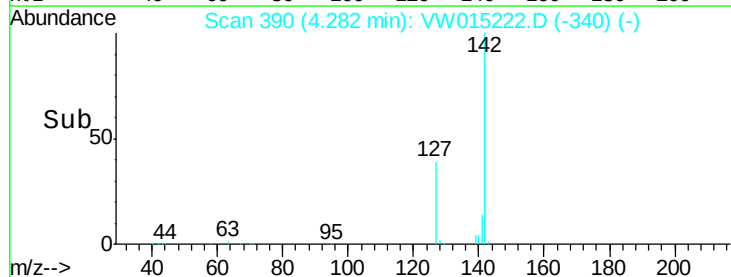
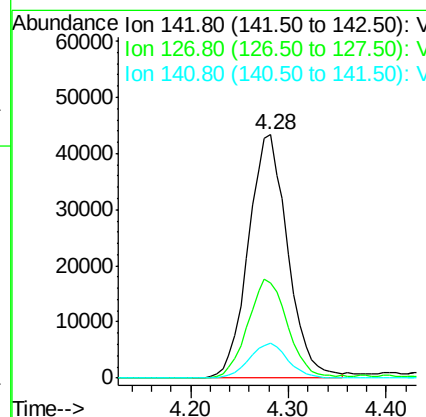
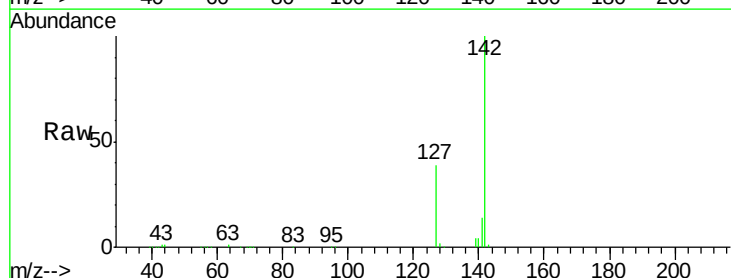
RT: 4.28 min Scan# 390

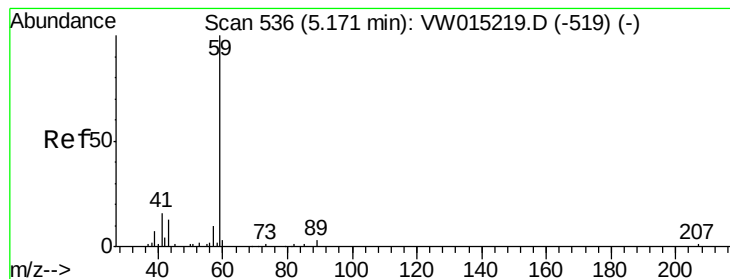
Delta R.T. 0.01 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Tgt Ion:	142	Resp:	121669
Ion Ratio	Lower	Upper	
142	100		
127	41.6	33.9	50.9
141	14.1	11.4	17.2





#11

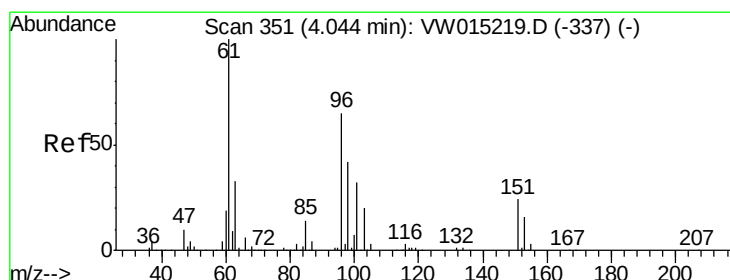
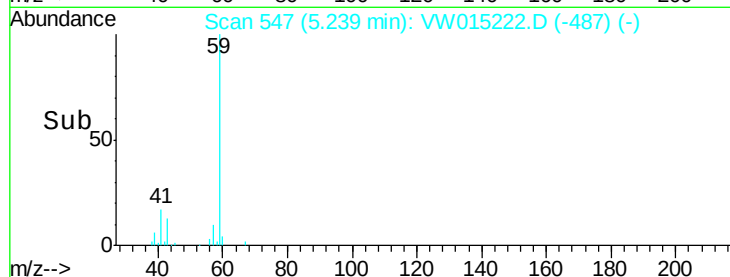
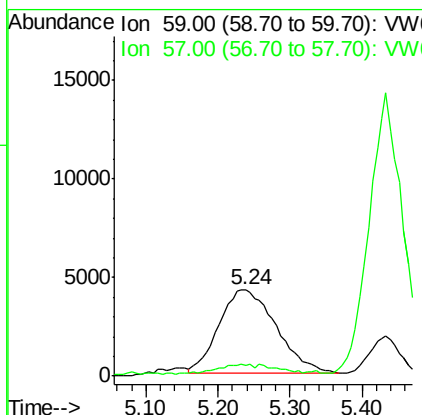
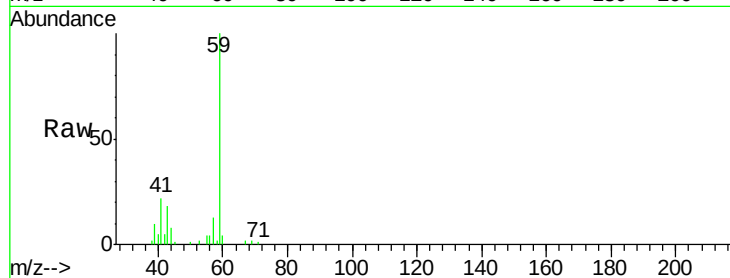
Tert butyl alcohol
Concen: 139.359 ug/l
RT: 5.24 min Scan# 547
Delta R.T. 0.07 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	23499		
57	57	7.4		8.4	12.6#

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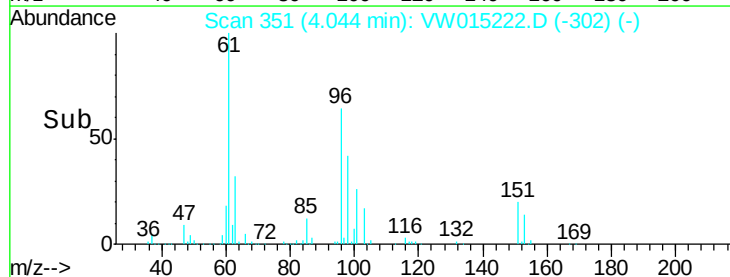
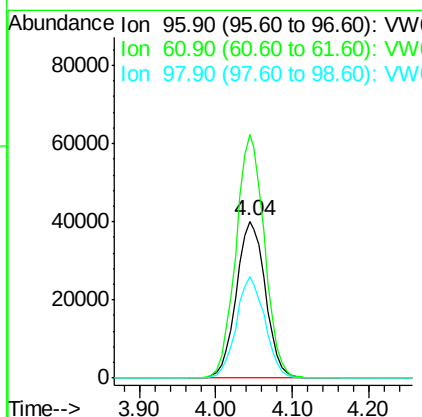
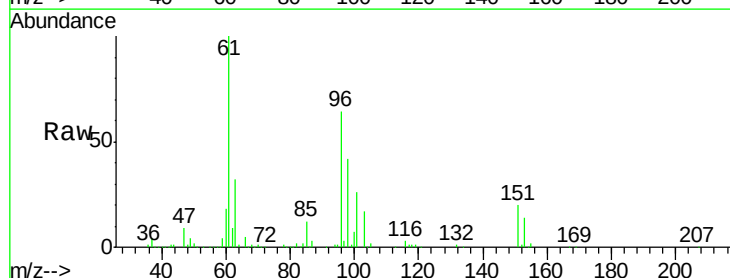
MMDadoda
4/21/2020 10:01:34 AM

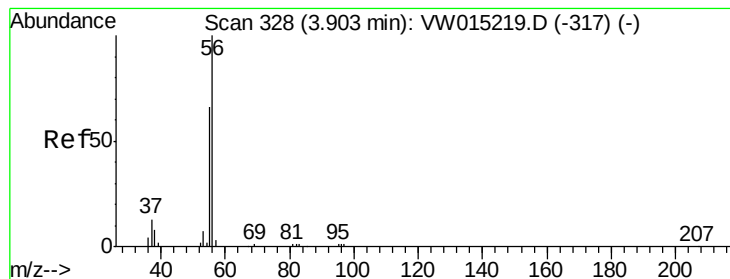


#12

1,1-Dichloroethene
Concen: 49.031 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	105789		
61	61	155.1		127.0	190.4
98	98	64.5		51.0	76.4





#13

Acrolein

Concen: 220.868 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW042020

Tot Ion: 56 Resp: 19493

Ion Ratio Lower Upper

56 100

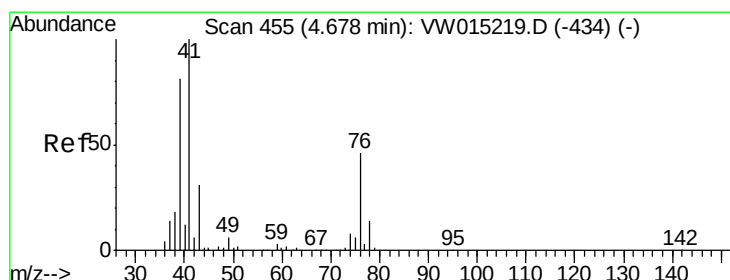
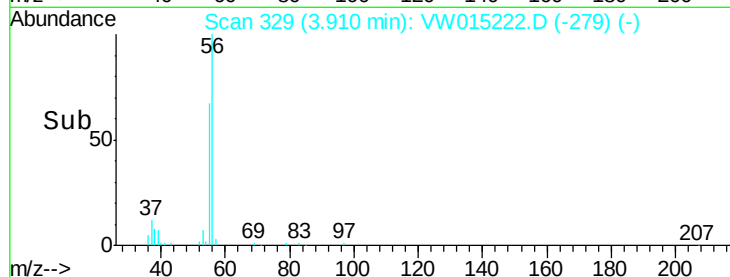
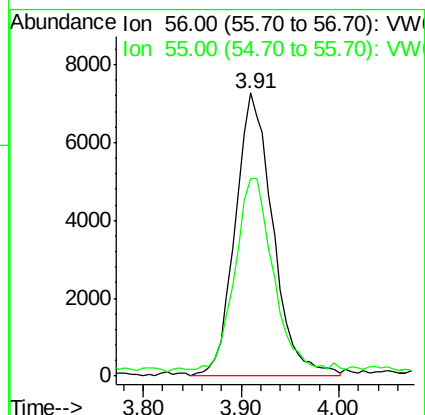
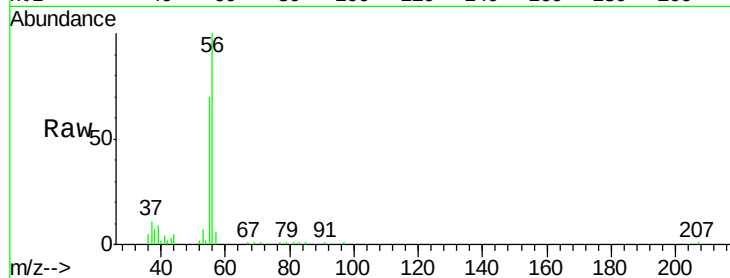
55 66.9 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 47.980 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

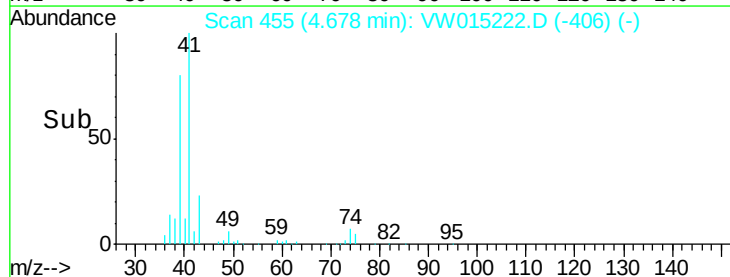
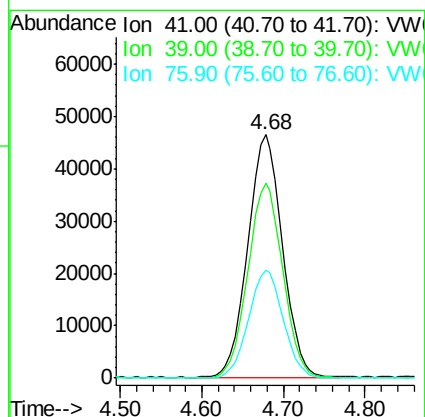
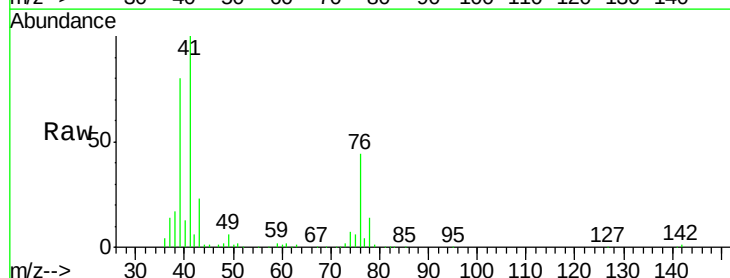
Tgt Ion: 41 Resp: 137333

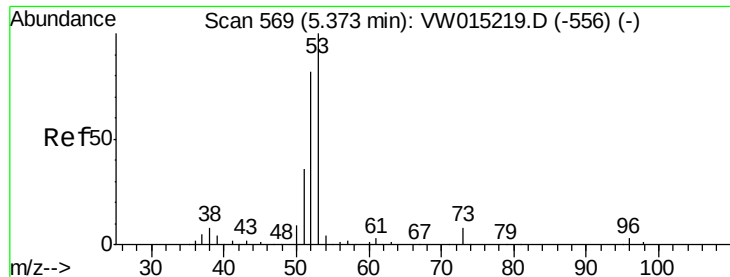
Ion Ratio Lower Upper

41 100

39 80.2 54.0 81.0

76 44.5 31.8 47.6





#15

Acrylonitrile

Concen: 214.112 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

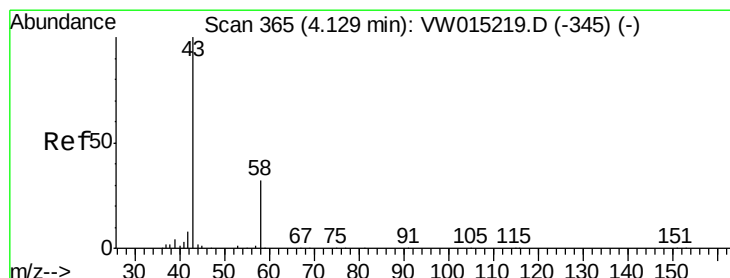
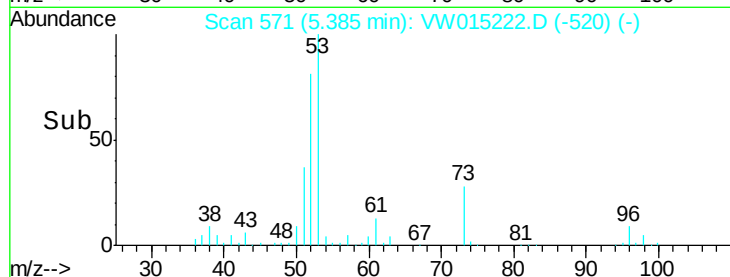
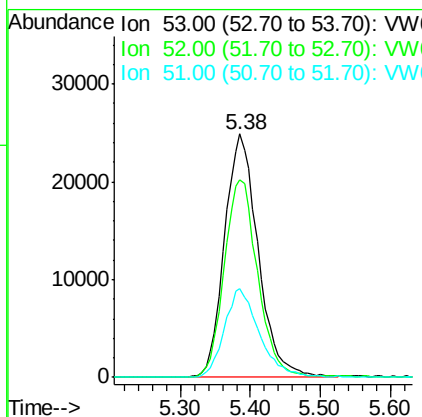
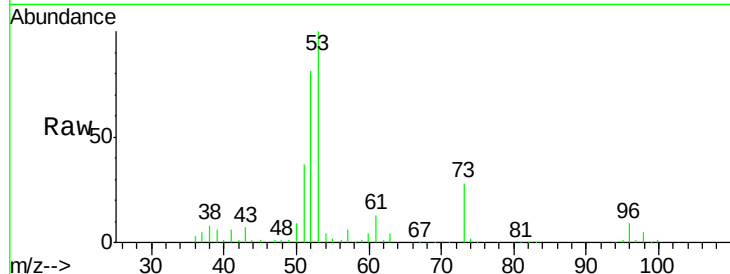
ClientSampleId :

ICVW042020

Tot Ion:	53	Resp:	83135
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.2	97.8
51	37.7	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 200.819 ug/l m

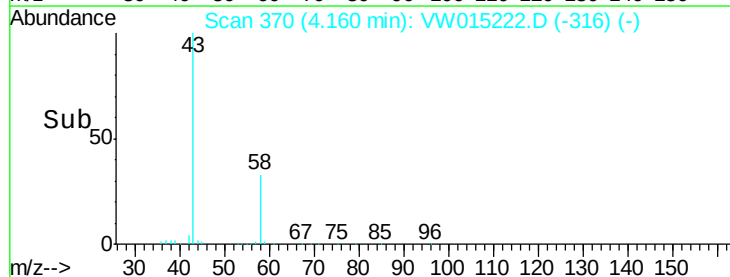
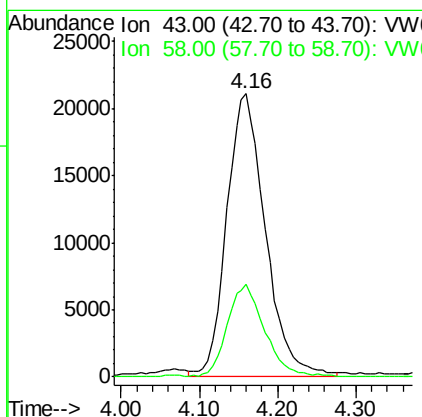
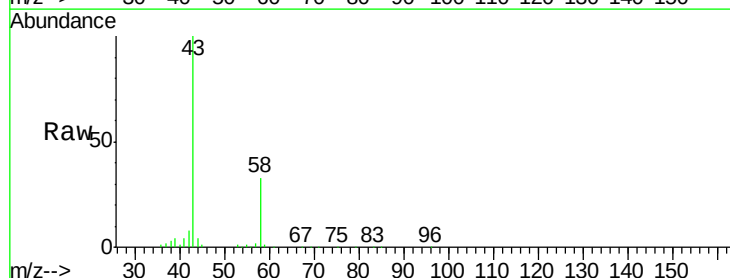
RT: 4.16 min Scan# 370

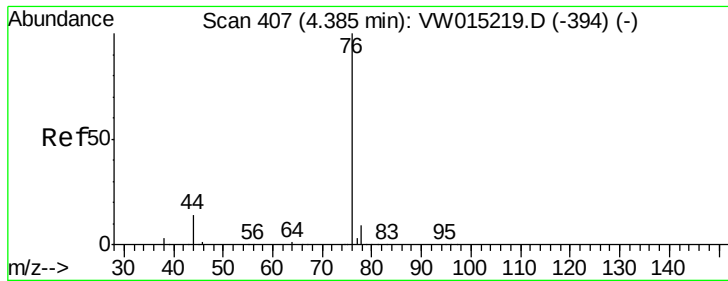
Delta R.T. 0.03 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Tgt Ion:	43	Resp:	72556
Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.0	40.4





#17

Carbon Disulfide

Concen: 49.082 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW042020

Tot Ion: 76 Resp: 314701

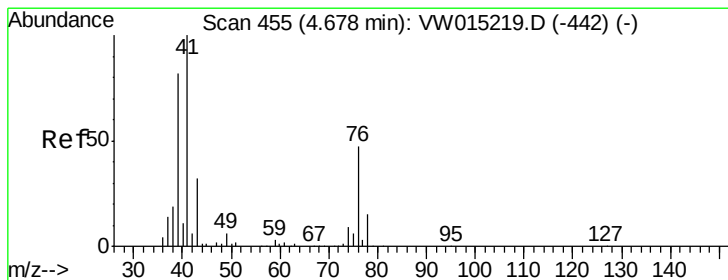
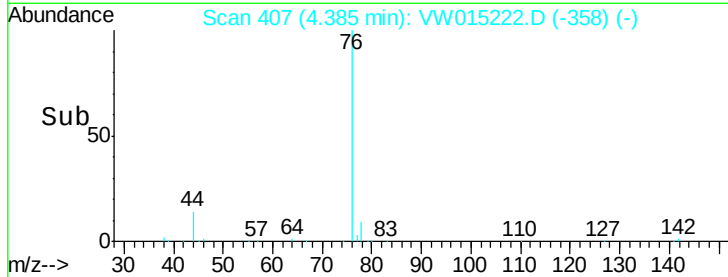
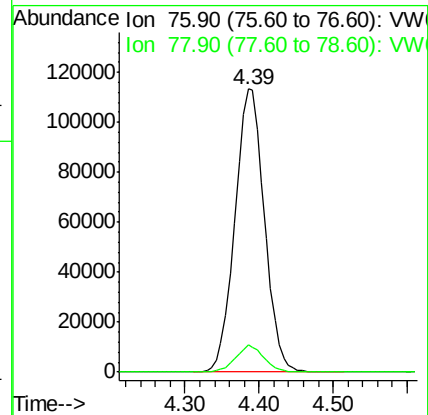
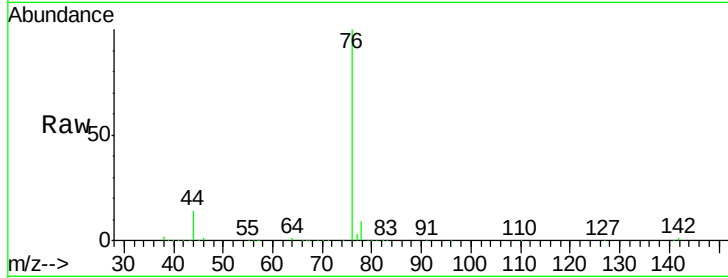
Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6

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#18

Methyl Acetate

Concen: 40.496 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW015222.D

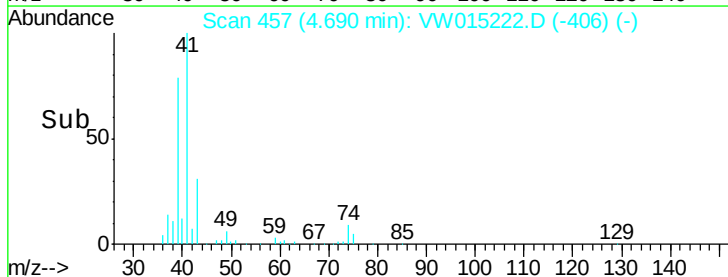
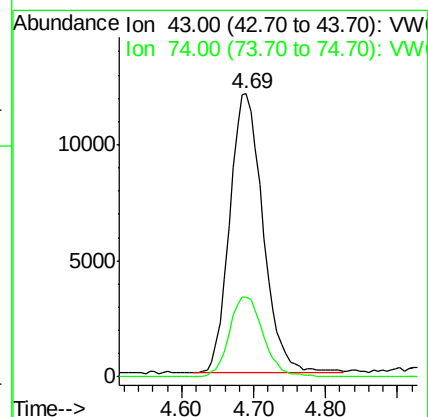
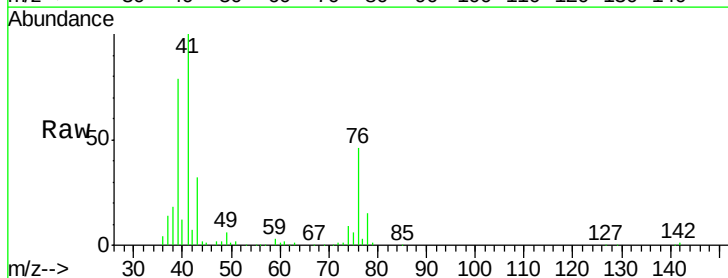
Acq: 20 Apr 2020 14:33

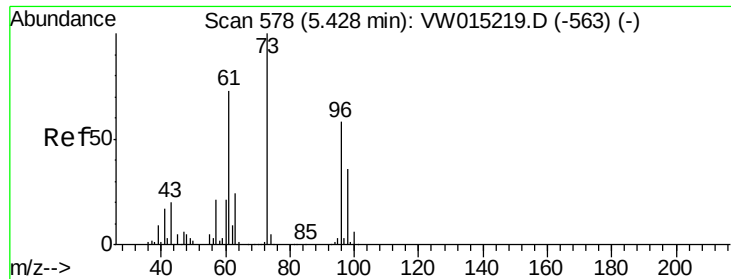
Tgt Ion: 43 Resp: 38729

Ion Ratio Lower Upper

43 100

74 29.2 20.6 31.0





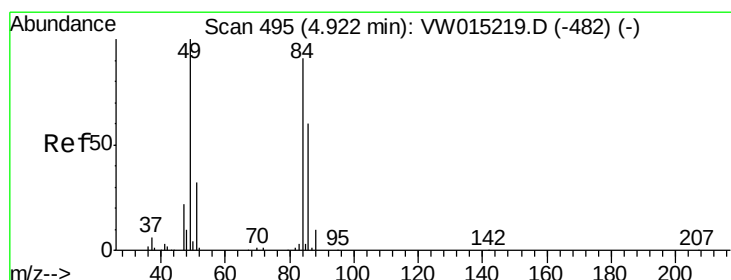
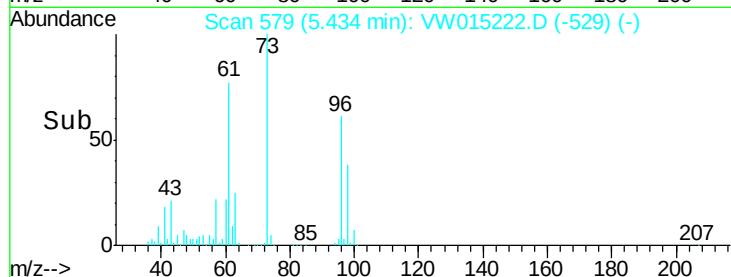
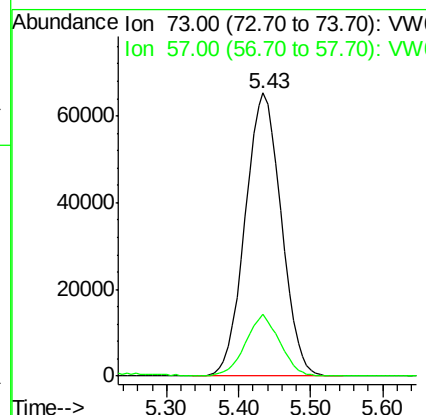
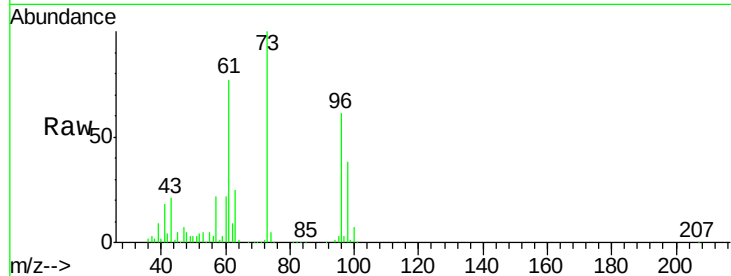
#19
Methyl tert-butyl Ether
Concen: 45.966 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.8	26.6

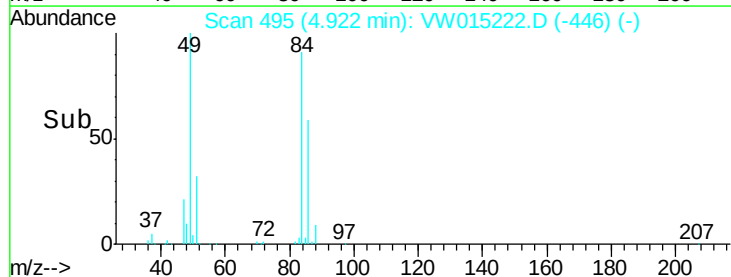
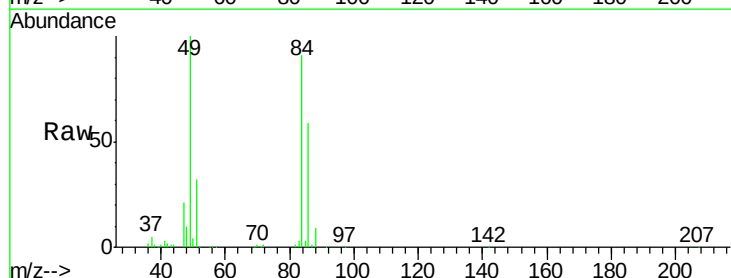
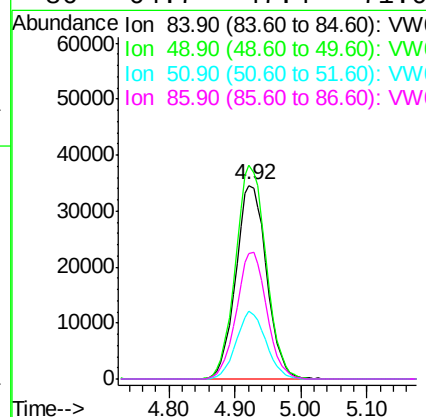
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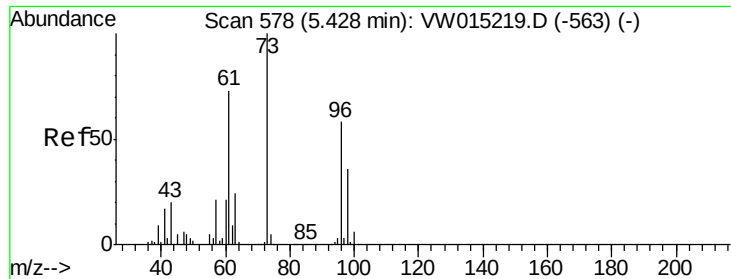
MMDadoda
4/21/2020 10:01:34 AM



#20
Methylene Chloride
Concen: 47.190 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.2	95.4	143.0
51	35.1	29.8	44.8
86	64.7	47.4	71.0





#21

trans-1,2-Dichloroethene

Concen: 48.448 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

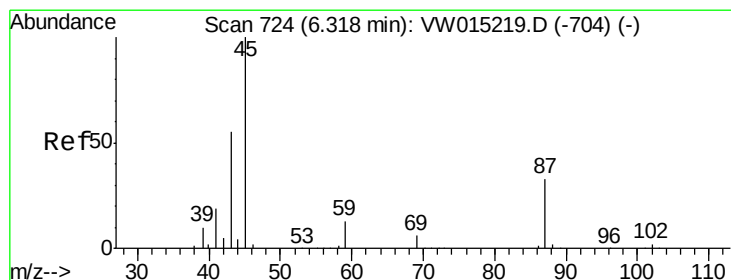
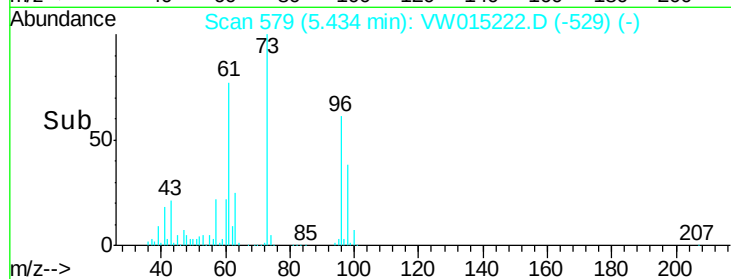
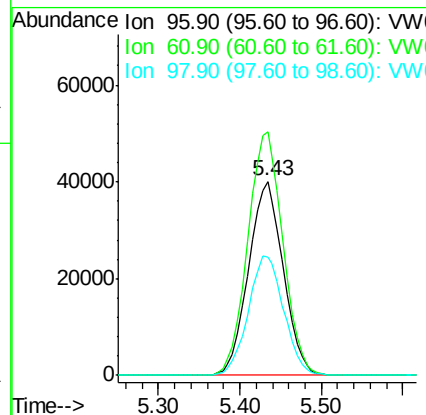
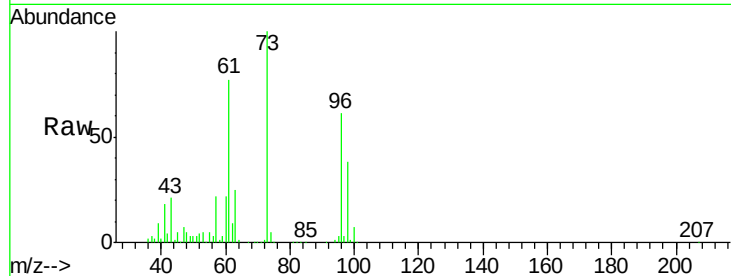
ClientSampleId :

ICVW042020

Tot Ion:	96	Resp:	118552
Ion	Ratio	Lower	Upper
96	100		
61	125.6	107.8	161.6
98	61.2	50.2	75.2

Manual Integrations
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4/21/2020 10:01:34 AM



#22

Diisopropyl ether

Concen: 48.169 ug/l

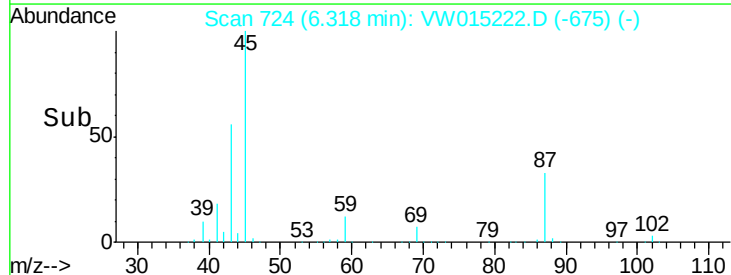
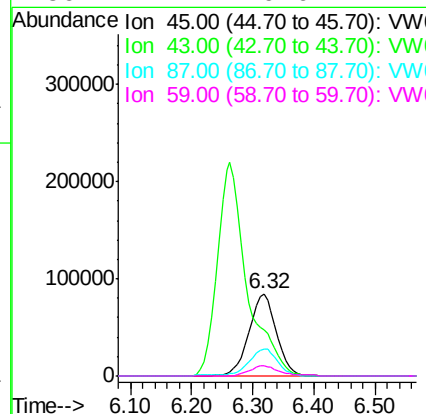
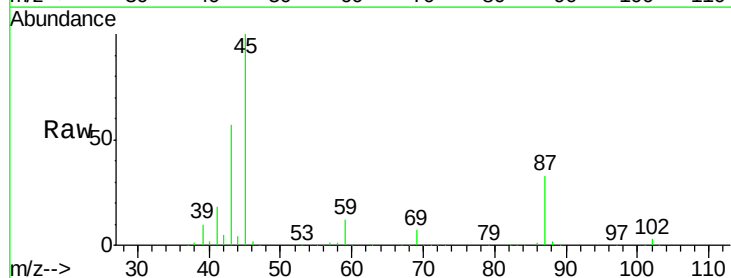
RT: 6.32 min Scan# 724

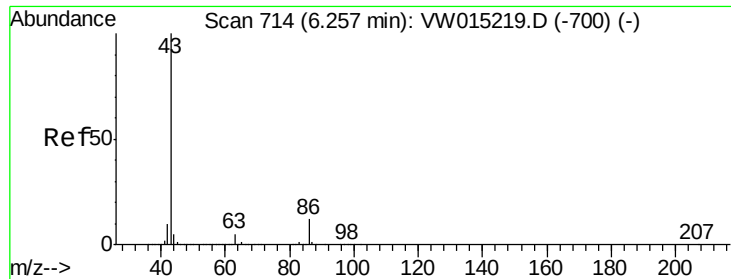
Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Tgt Ion:	45	Resp:	264499
Ion	Ratio	Lower	Upper
45	100		
43	56.0	41.8	62.6
87	33.1	23.2	34.8
59	12.2	9.6	14.4





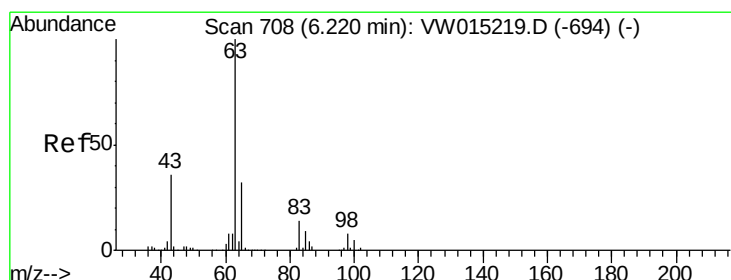
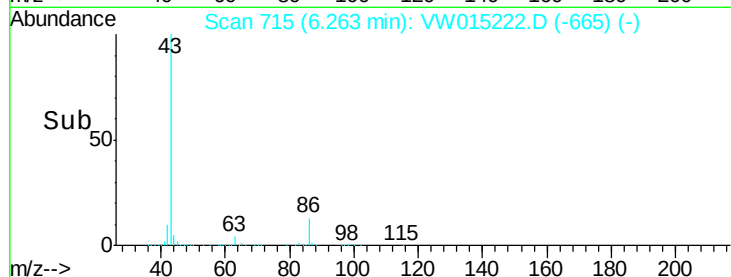
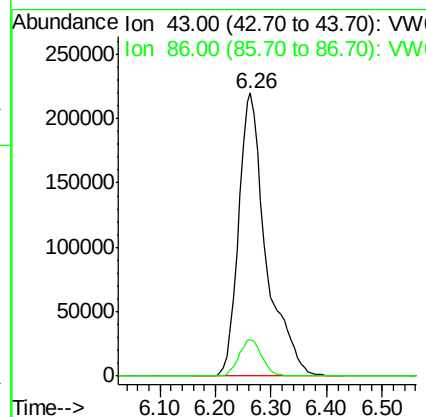
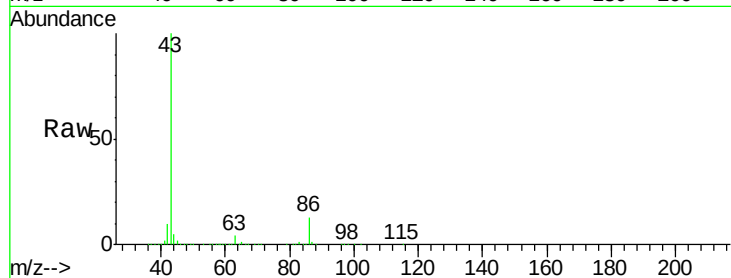
#23
 Vinyl Acetate
 Concen: 232.085 ug/l
 RT: 6.26 min Scan# 715
 Delta R.T. 0.01 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW042020

Tot Ion	Ratio	Resp	Lower	Upper
43	100	747842		
86	12.9		9.1	13.7

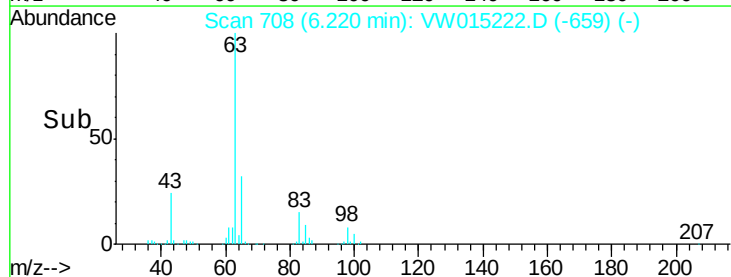
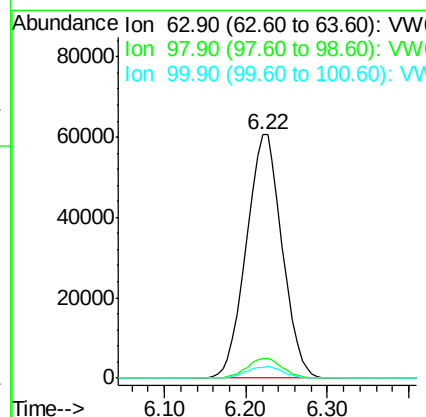
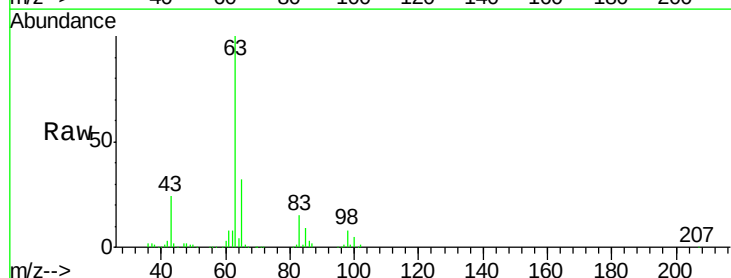
Manual Integrations
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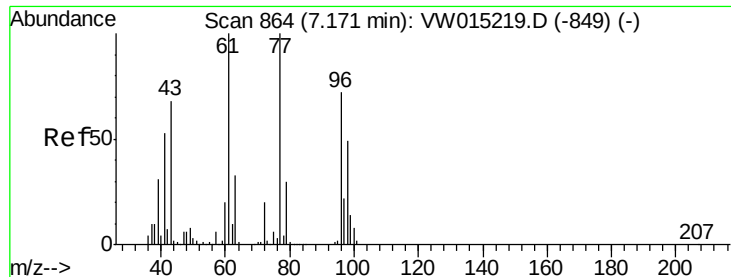
MMDadoda
 4/21/2020 10:01:34 AM



#24
 1,1-Dichloroethane
 Concen: 48.526 ug/l
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	184670		
98	8.1		3.6	10.9
100	4.6		2.4	7.2





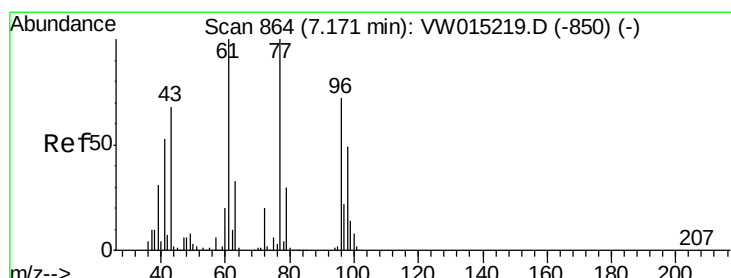
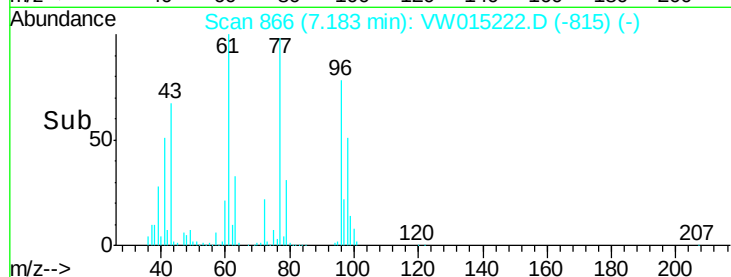
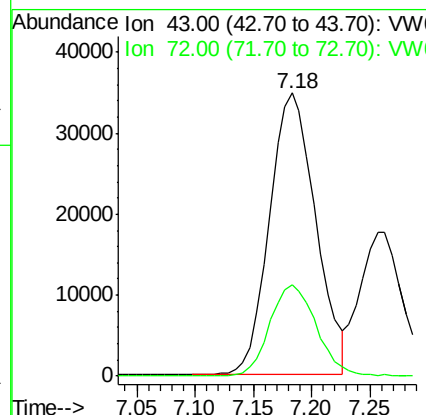
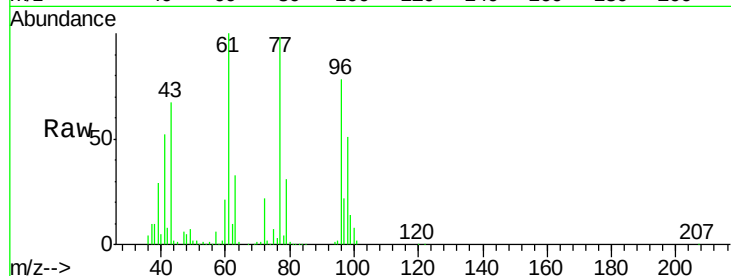
#25
2-Butanone
Concen: 200.264 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampled :
ICVW042020

Tot Ion	43	72	Resp	Lower	Upper
43	100				
72	32.6		21.6	32.4	

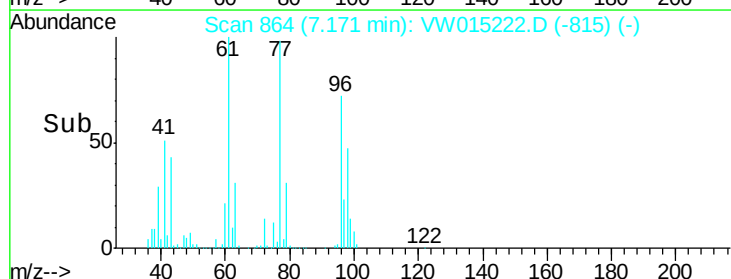
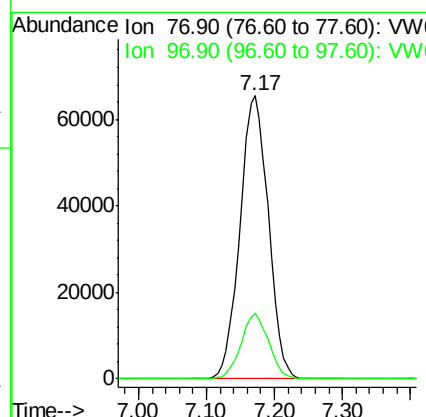
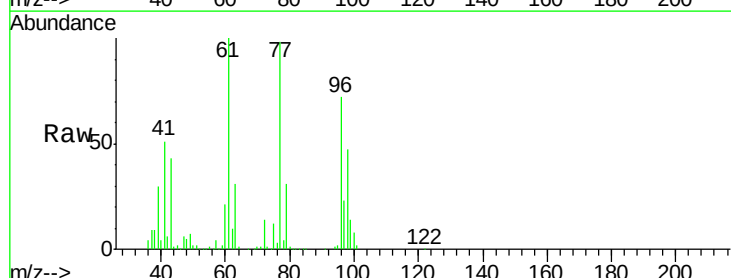
Manual Integrations
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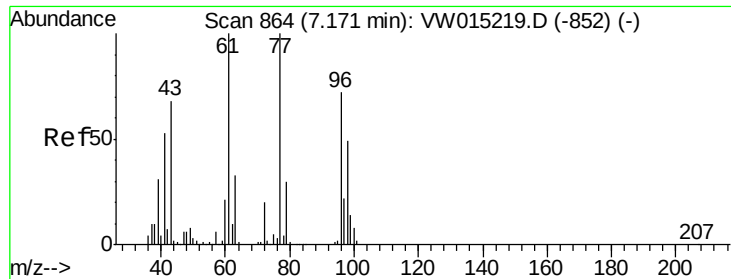
MMDadoda
4/21/2020 10:01:34 AM



#26
2,2-Dichloropropane
Concen: 47.320 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	77	97	Resp	Lower	Upper
77	100				
97	22.5		11.9	35.5	





#27

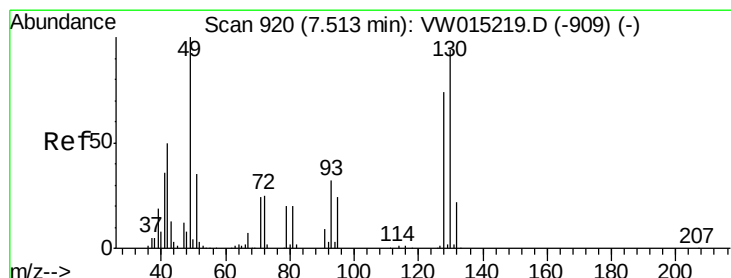
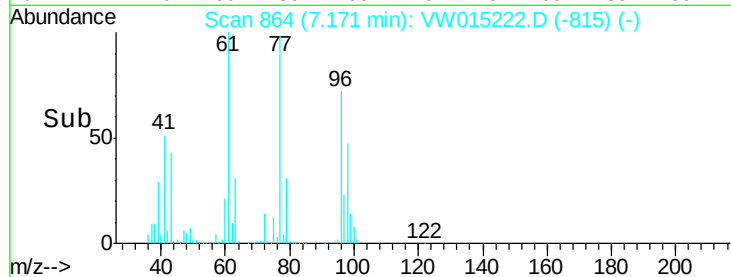
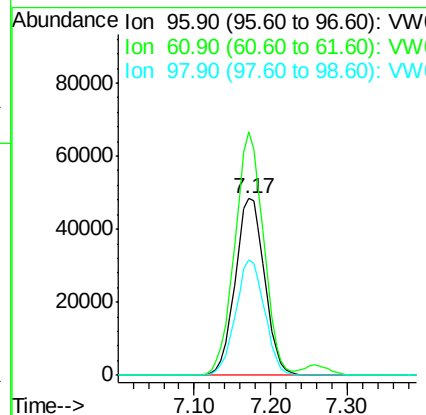
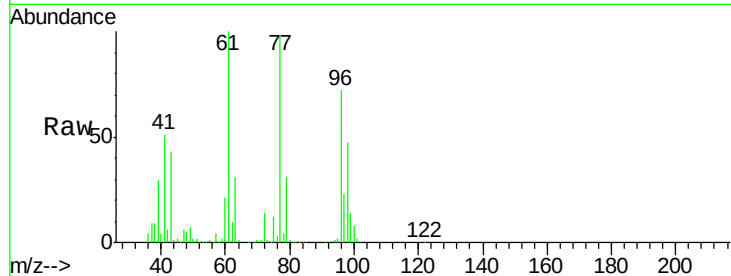
cis-1,2-Dichloroethene
Concen: 48.659 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.5	0.0	275.0	
98	64.6	0.0	130.8	

Manual Integrations
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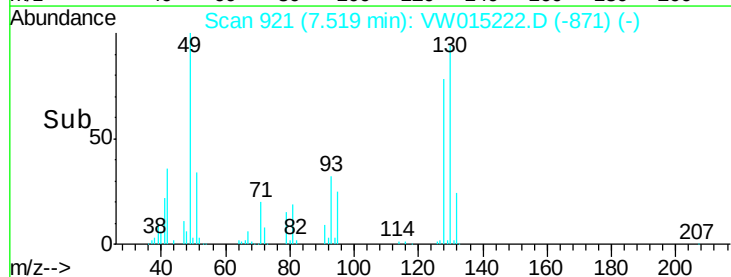
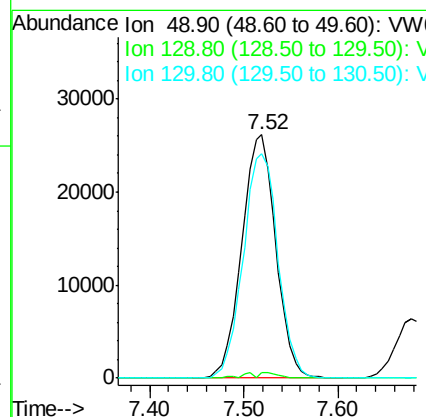
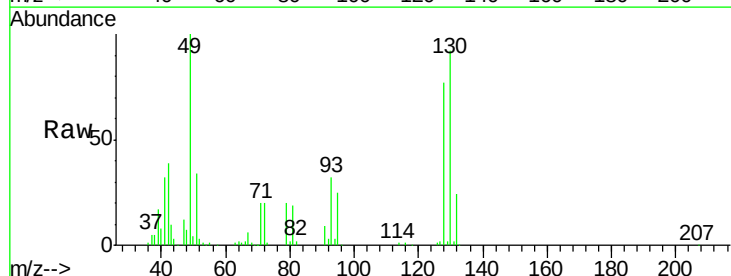
MMDadoda
4/21/2020 10:01:34 AM

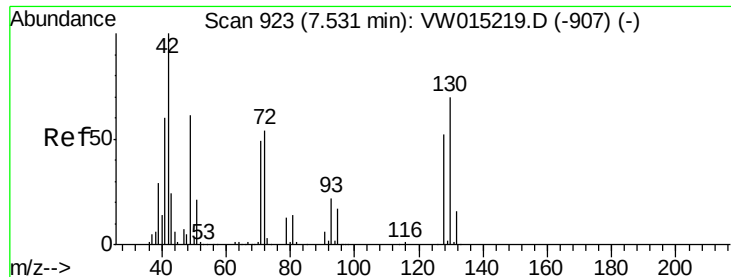


#28

Bromochloromethane
Concen: 47.705 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	4.6	
130	94.6	60.9	91.3#	





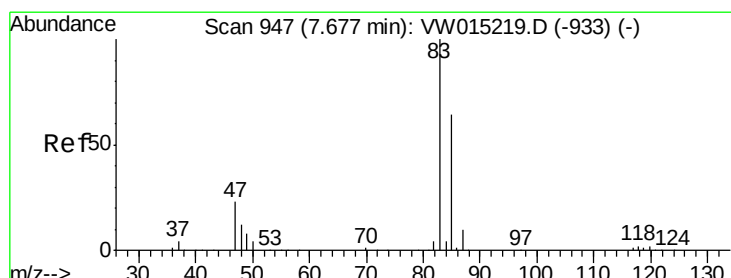
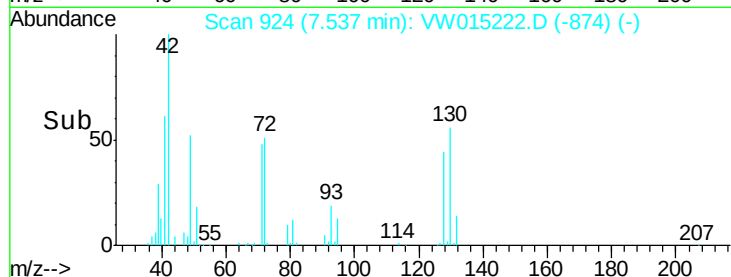
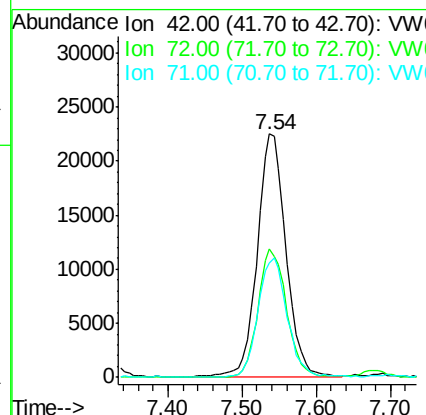
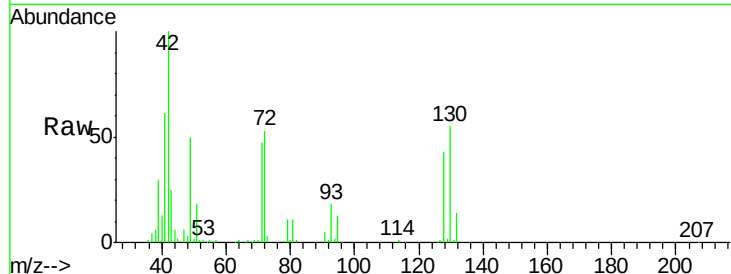
#29
Tetrahydrofuran
Concen: 202.436 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.7	36.2	54.2
71	49.6	34.2	51.4

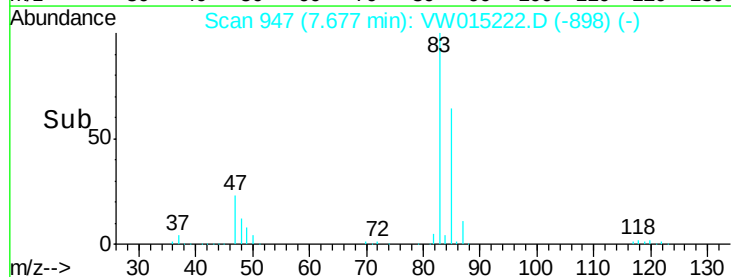
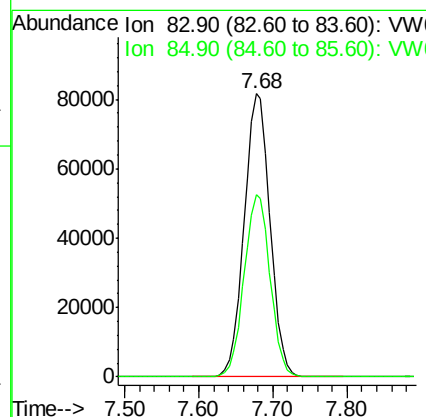
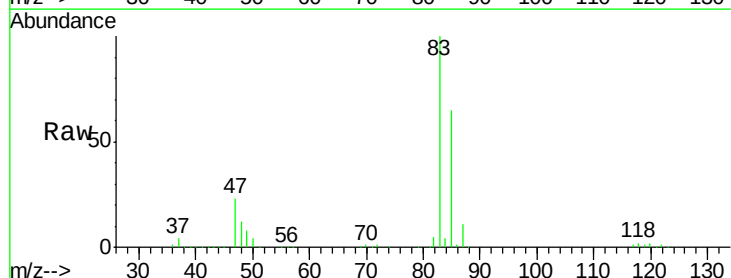
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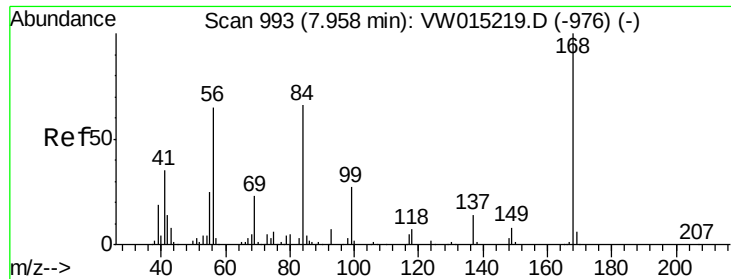
MMDadoda
4/21/2020 10:01:34 AM



#30
Chloroform
Concen: 48.478 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3





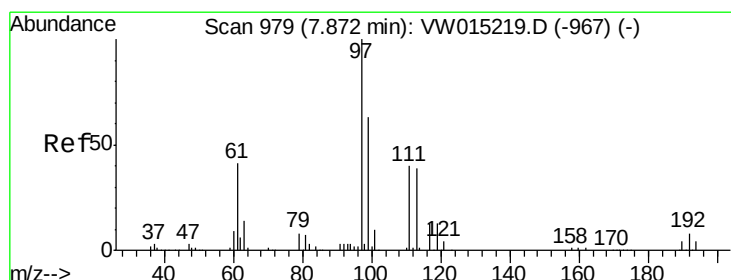
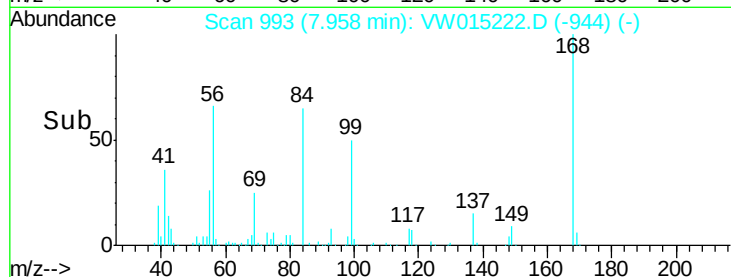
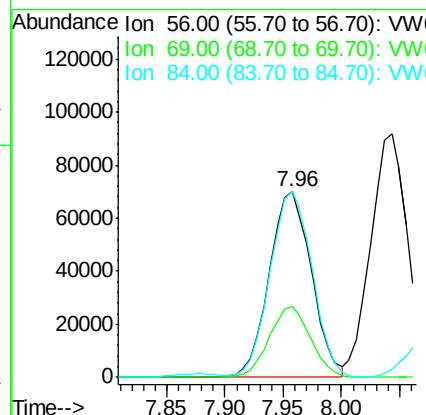
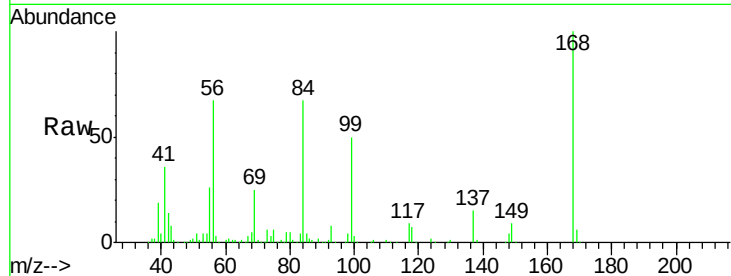
#31
Cyclohexane
Concen: 45.989 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	27.1	40.7
84	98.5	71.9	107.9

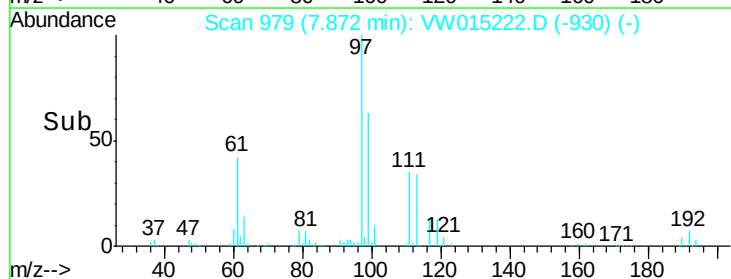
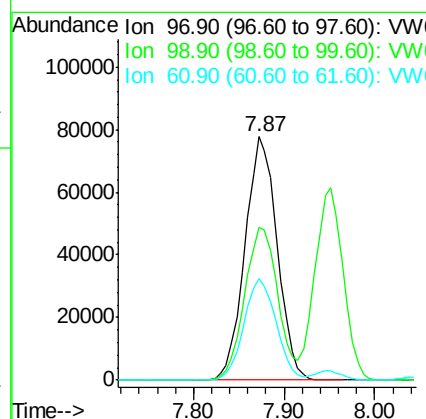
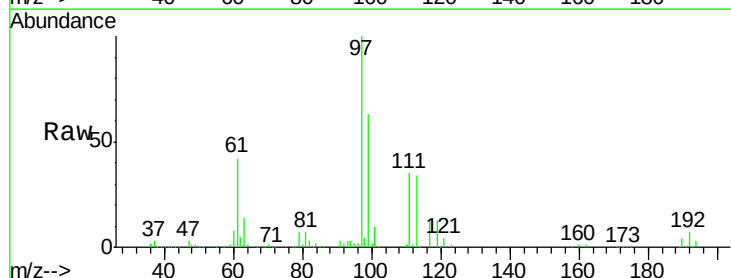
Manual Integrations
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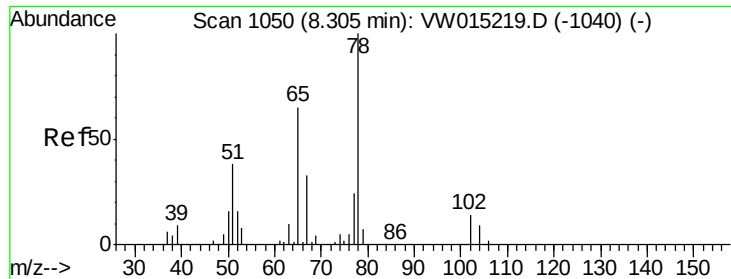
MMDadoda
4/21/2020 10:01:34 AM



#32
1,1,1-Trichloroethane
Concen: 48.240 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.2	78.2
61	41.9	34.2	51.2





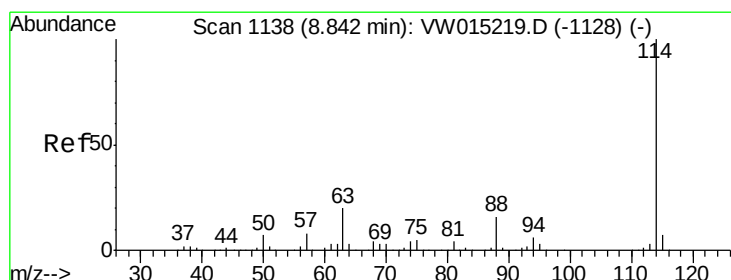
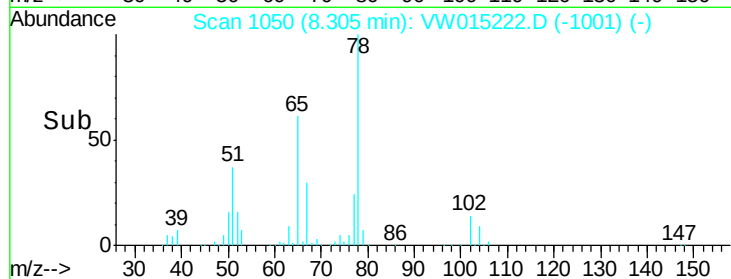
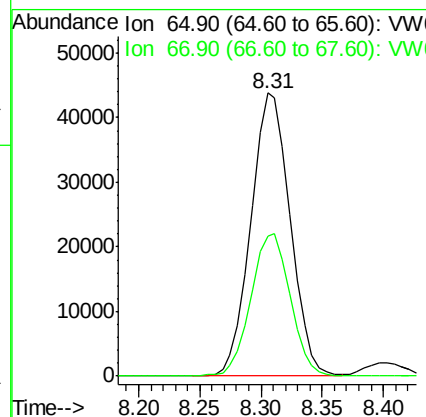
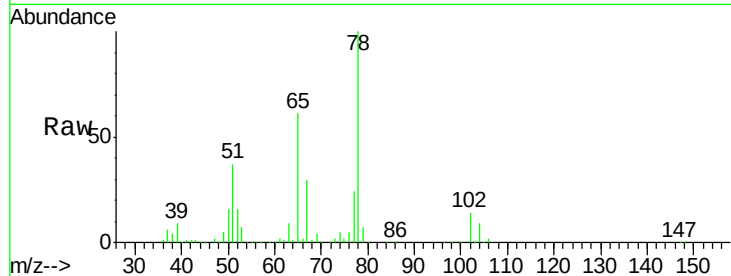
#33
 1,2-Dichloroethane-d4
 Concen: 47.381 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW042020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.9	0.0	107.0	

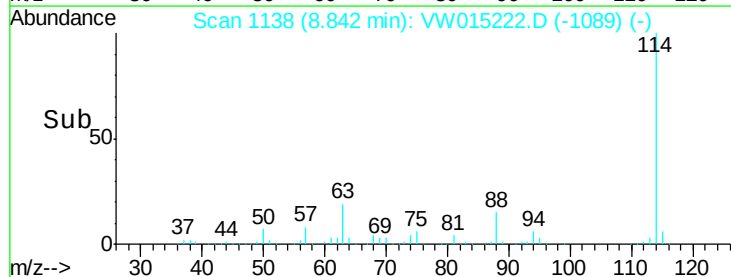
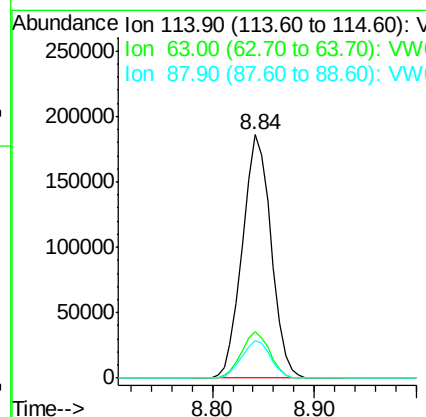
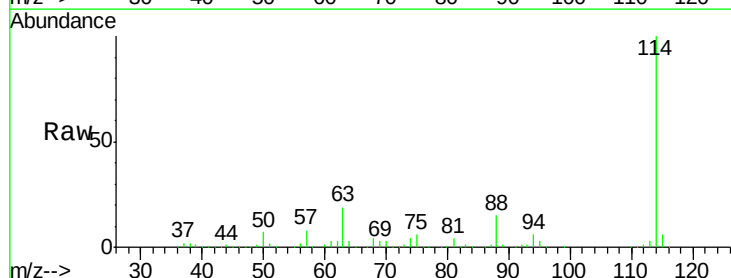
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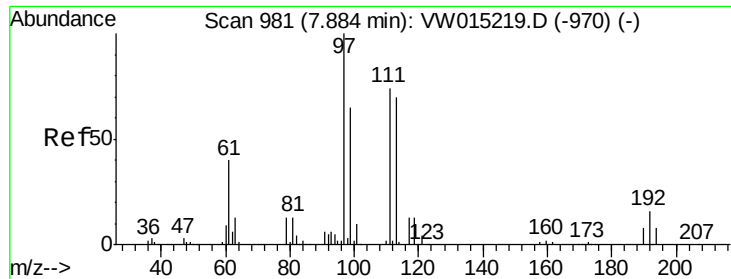
MMDadoda
 4/21/2020 10:01:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	39.8	
88	15.3	0.0	30.2	





#35

Dibromofluoromethane

Concen: 48.085 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

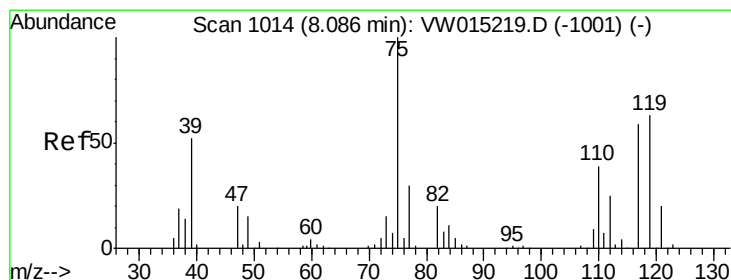
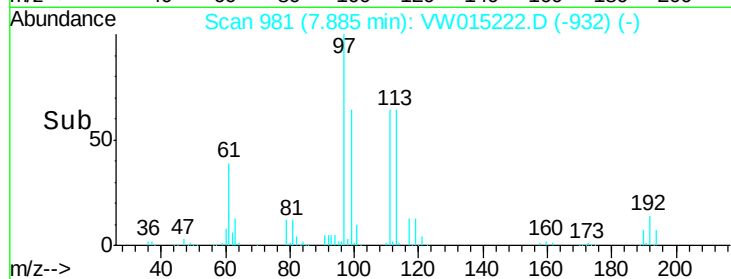
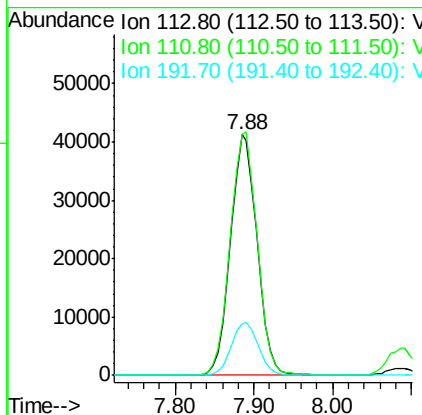
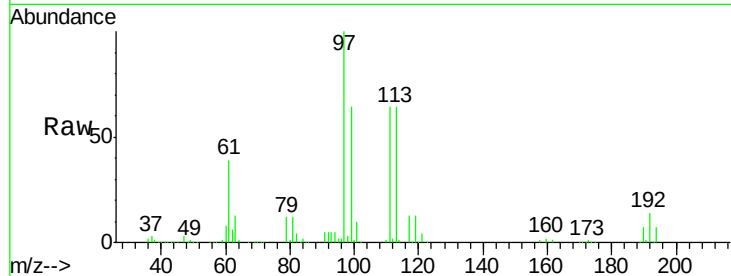
ClientSampleId :

ICVW042020

Tot Ion:	113	Resp:	96744
Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.4
192	22.3	15.1	22.7

Manual Integrations
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4/21/2020 10:01:34 AM



#36

1,1-Dichloropropene

Concen: 48.383 ug/l

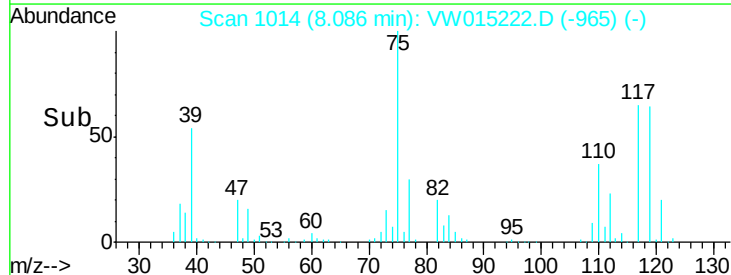
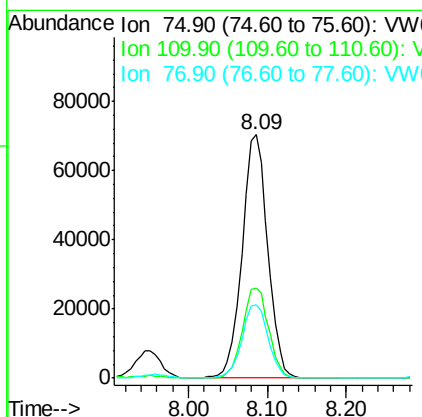
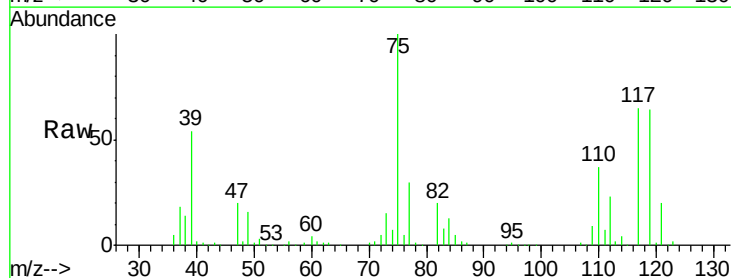
RT: 8.09 min Scan# 1014

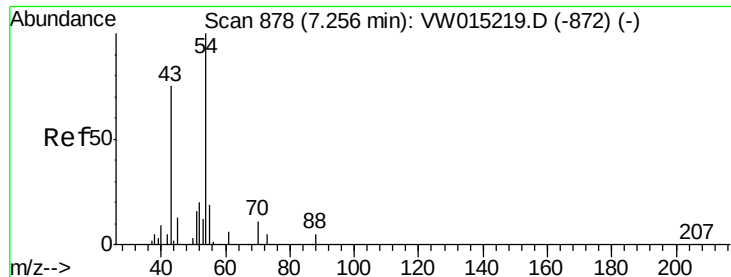
Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Tgt Ion:	75	Resp:	158615
Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.2	54.6
77	31.1	24.5	36.7





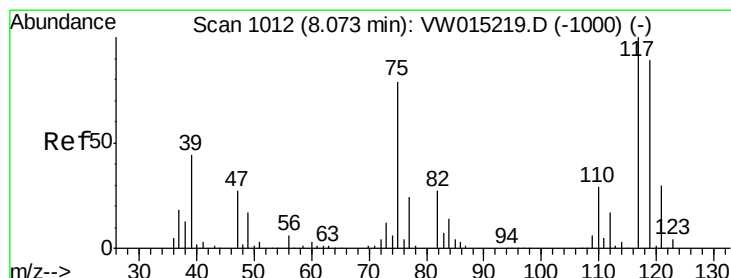
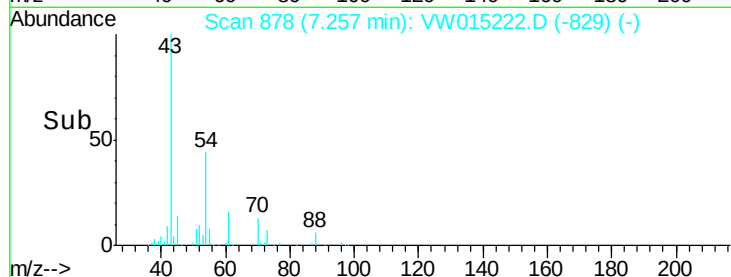
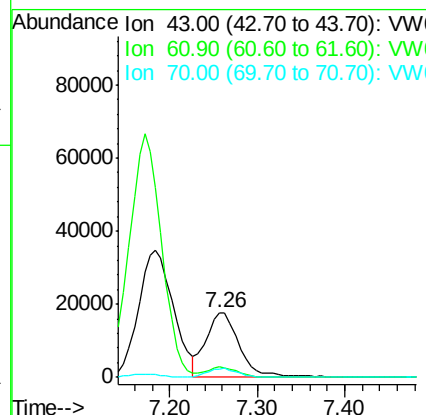
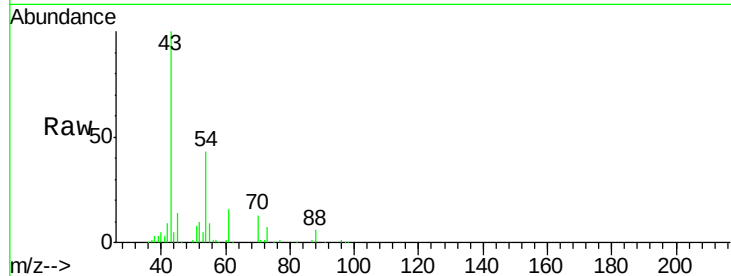
#37
Ethyl Acetate
Concen: 43.286 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.9	17.9
70	13.5	8.8	13.2

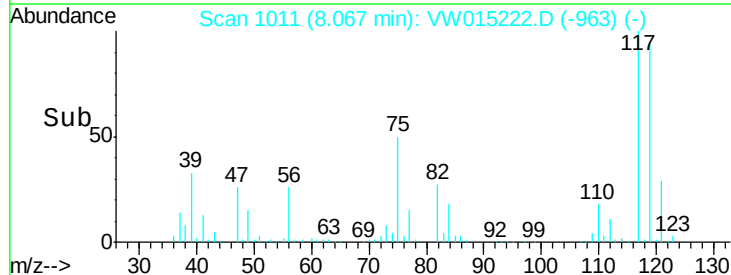
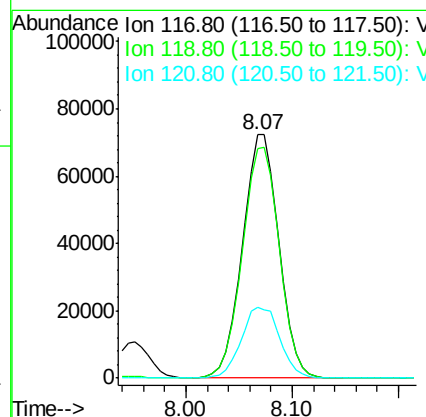
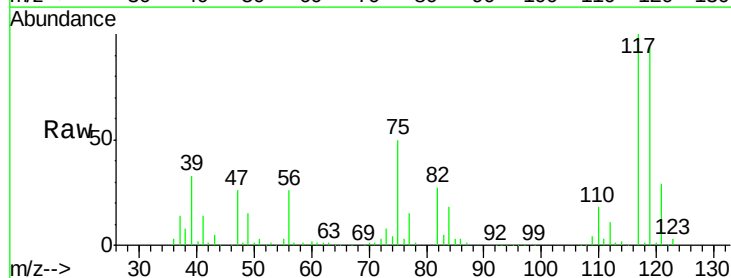
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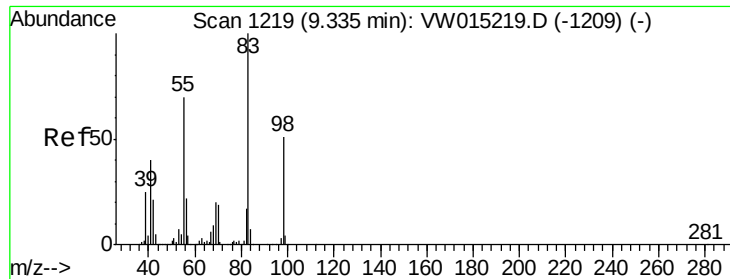
MMDadoda
4/21/2020 10:01:34 AM



#38
Carbon Tetrachloride
Concen: 48.480 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	72.3	108.5
121	28.9	23.7	35.5





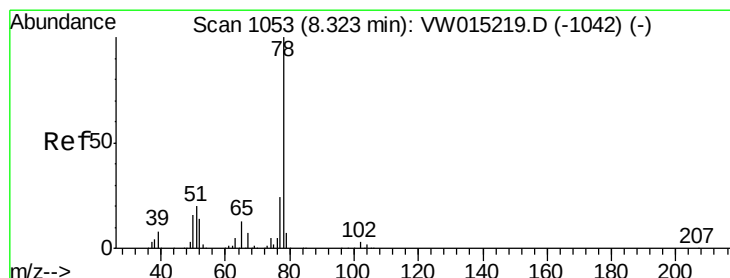
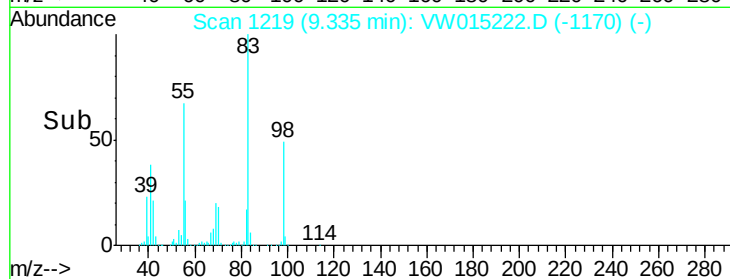
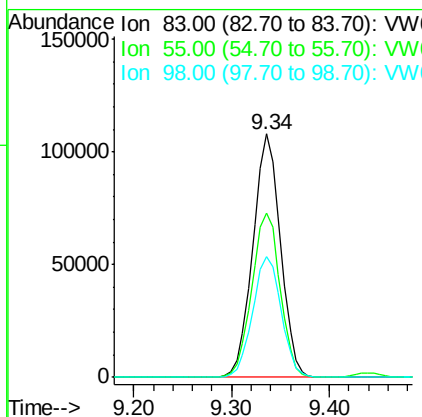
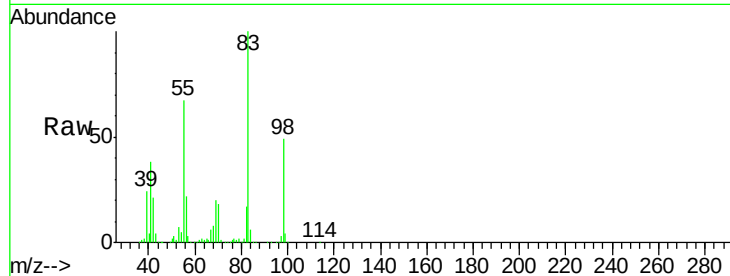
#39
Methylvlcyclohexane
Concen: 48.356 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	210995		
55	67.1		58.1	87.1
98	49.5		40.2	60.4

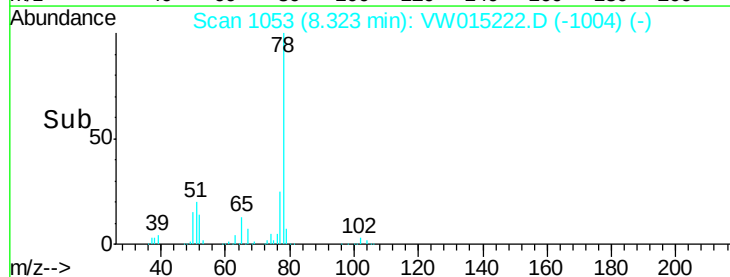
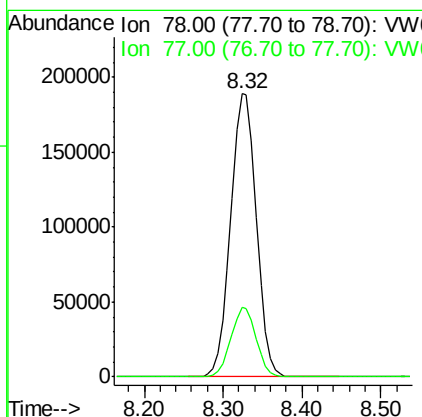
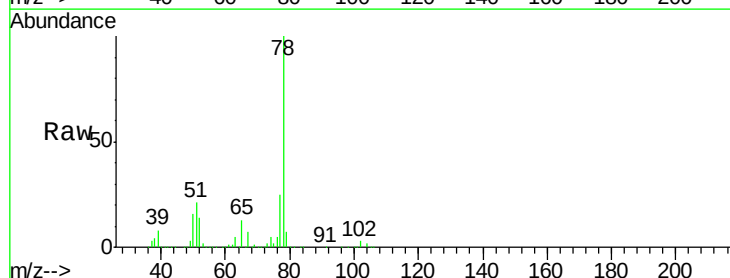
Manual Integrations
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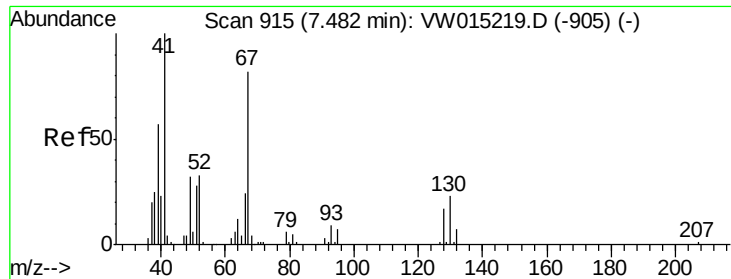
MMDadoda
4/21/2020 10:01:34 AM



#40
Benzene
Concen: 48.855 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	427829		
77	24.8		18.2	27.2





#41

Methacrylonitrile

Concen: 46.213 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

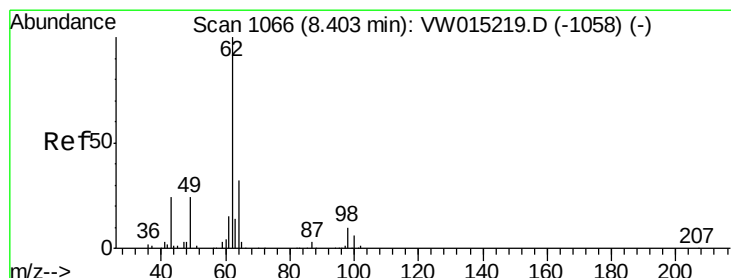
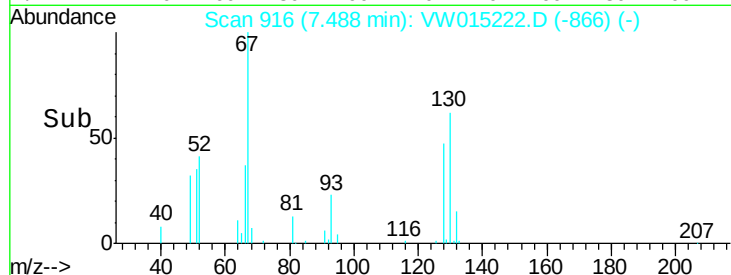
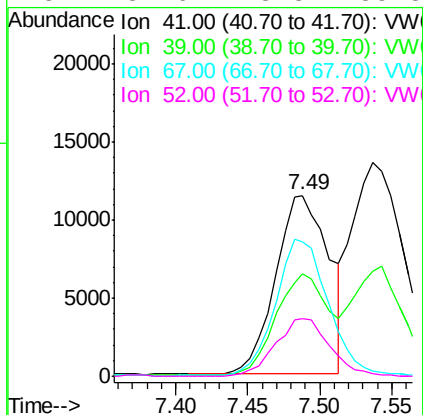
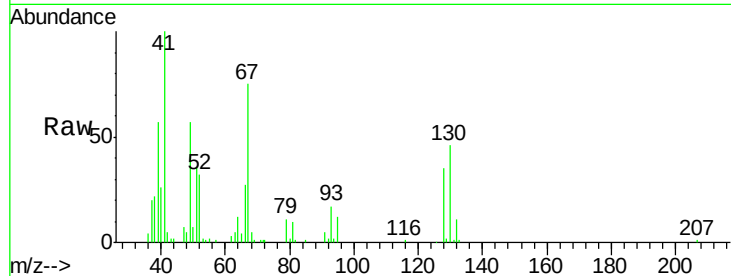
ClientSampleId :

ICVW042020

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.0	41.9	62.9
67	74.8	60.6	91.0
52	32.6	23.8	35.8

Manual Integrations
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MMDadoda
4/21/2020 10:01:34 AM



#42

1,2-Dichloroethane

Concen: 46.852 ug/l

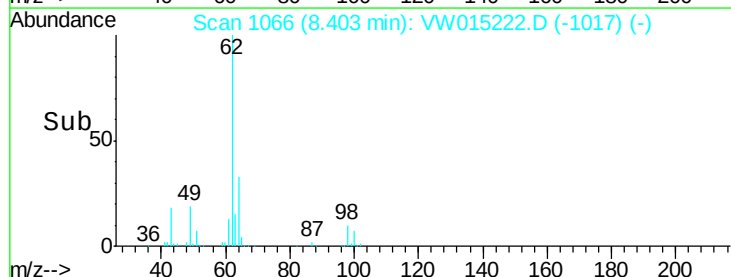
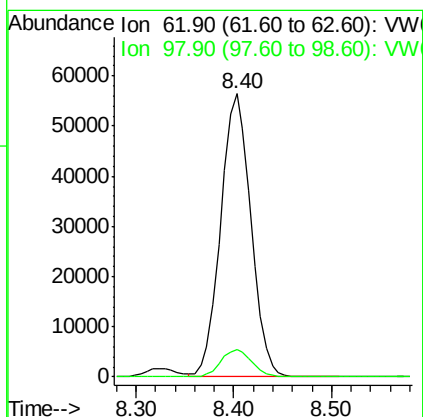
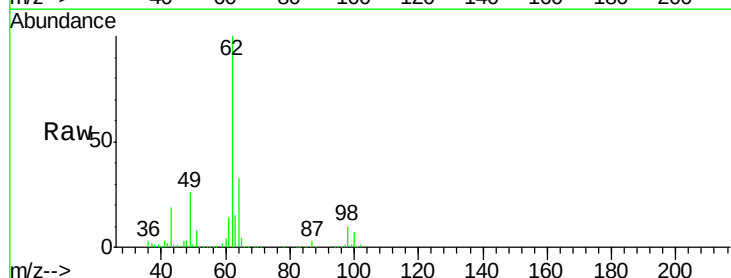
RT: 8.40 min Scan# 1066

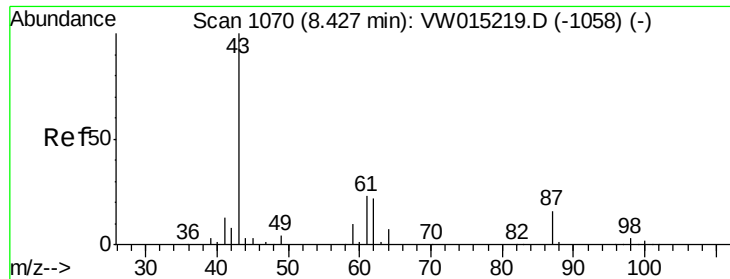
Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





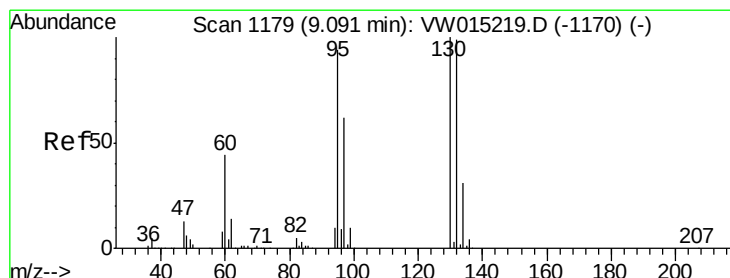
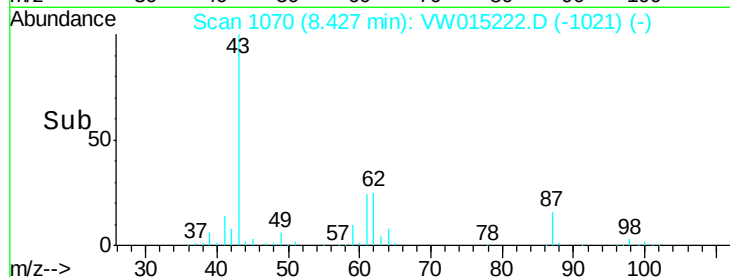
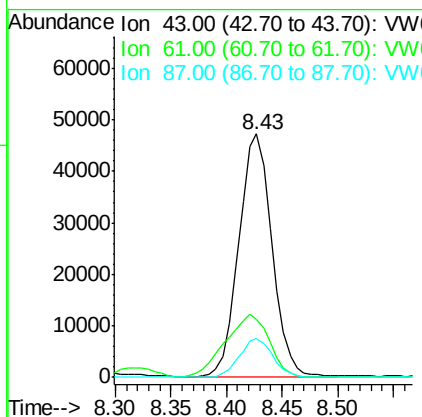
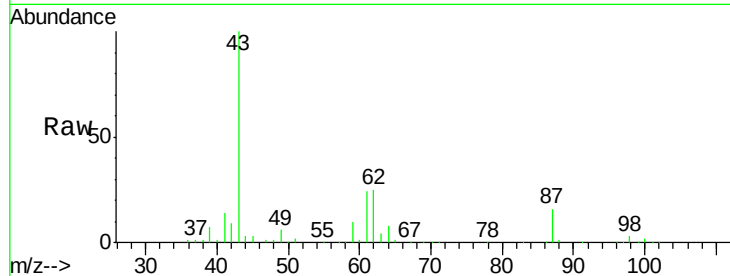
#43
Isopropyl Acetate
Concen: 43.587 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.6	24.8	37.2
87	16.1	11.4	17.2

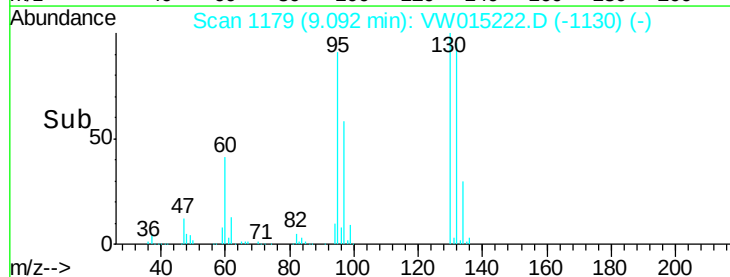
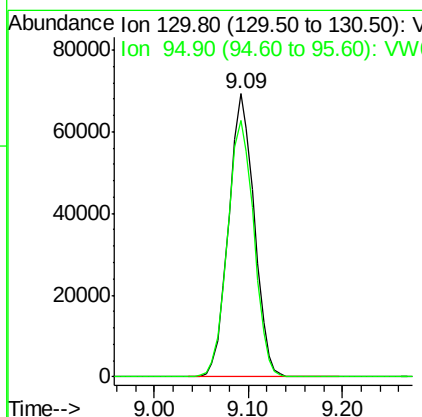
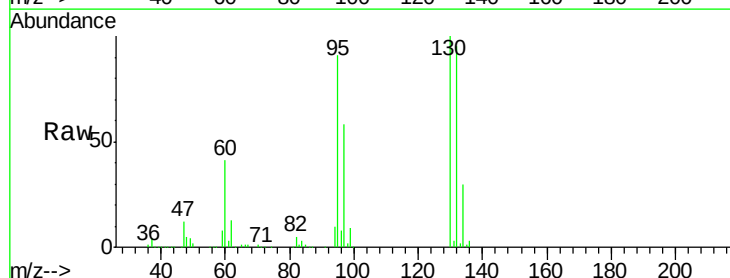
Manual Integrations
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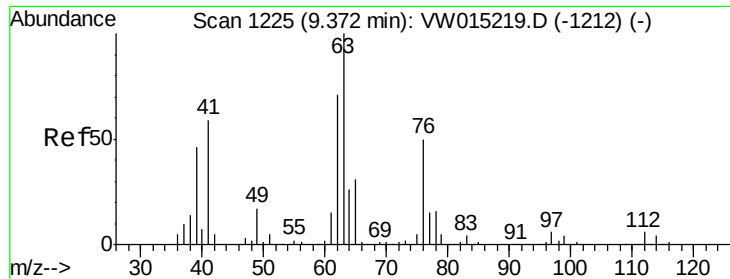
MMDadoda
4/21/2020 10:01:34 AM



#44
Trichloroethene
Concen: 48.919 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	196.4





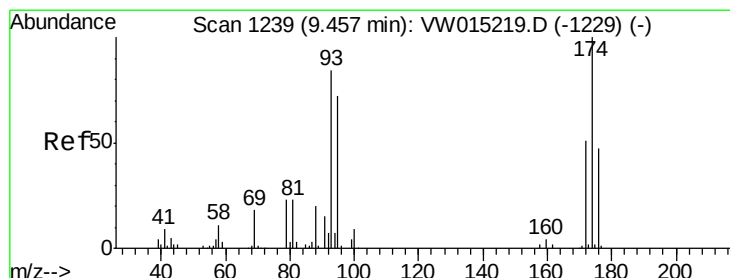
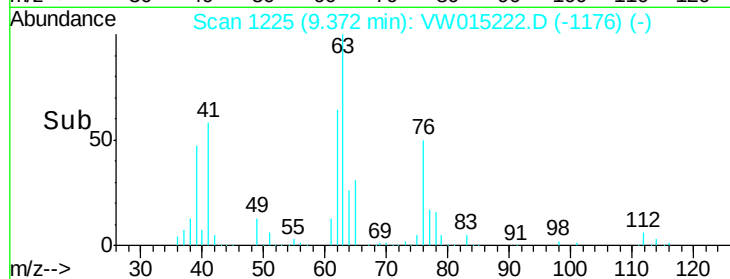
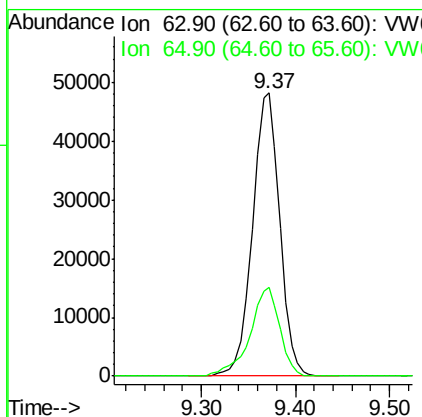
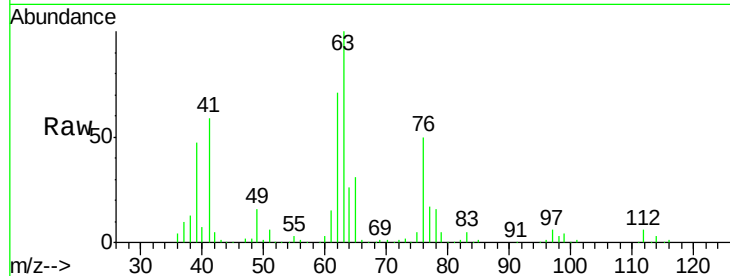
#45
 1,2-Dichloropropane
 Concen: 48.090 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Instrument :
 MSVOA_W
 ClientSampled :
 ICVW042020

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.5	38.3

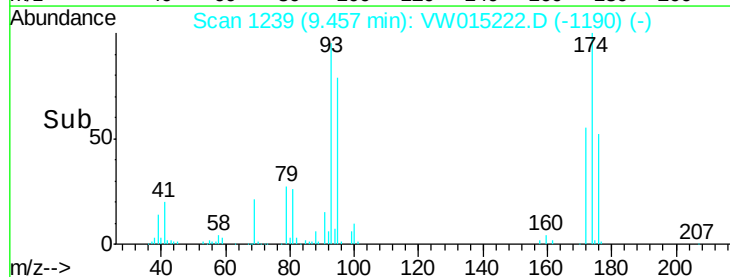
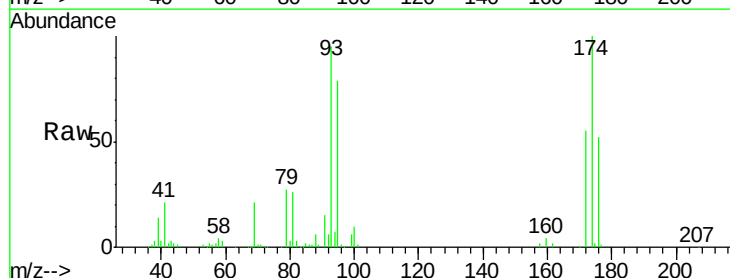
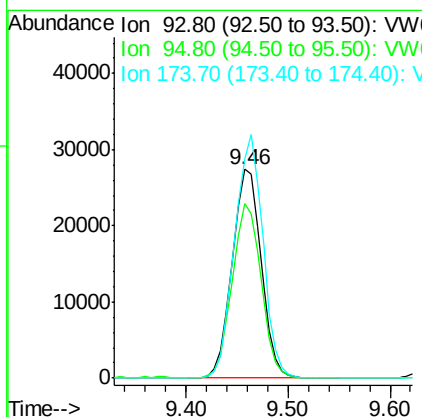
Manual Integrations
 APPROVED

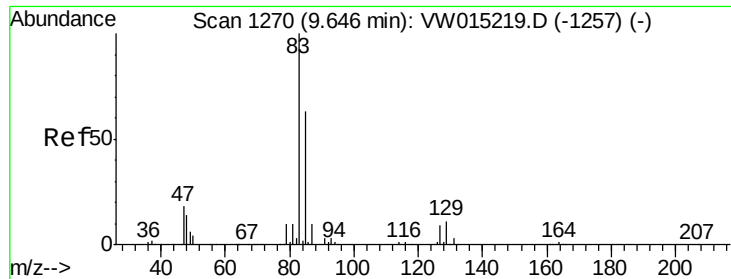
MMDadoda
 4/21/2020 10:01:34 AM



#46
 Dibromomethane
 Concen: 45.817 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	67.5	101.3
174	114.1	74.1	111.1#





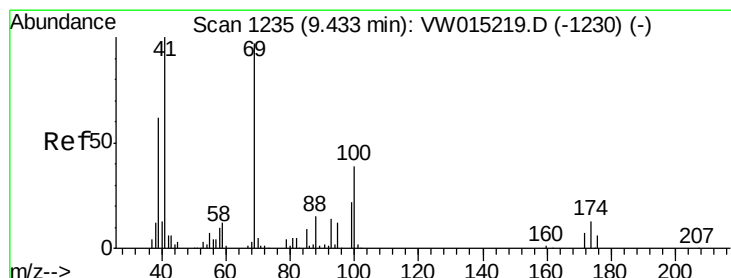
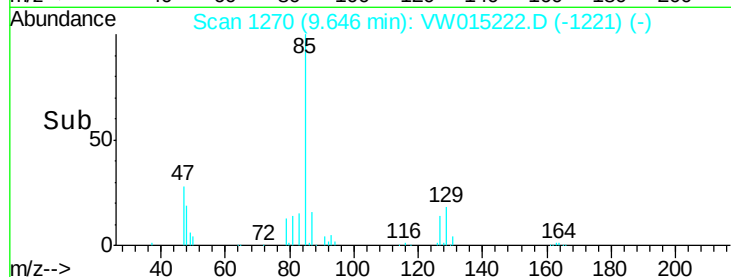
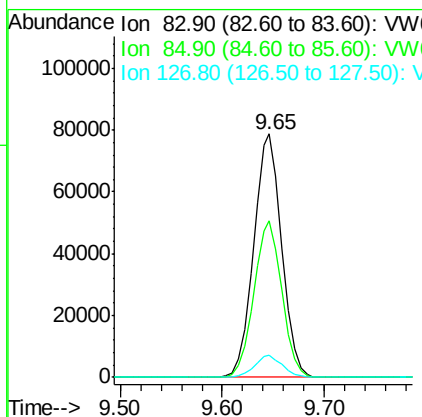
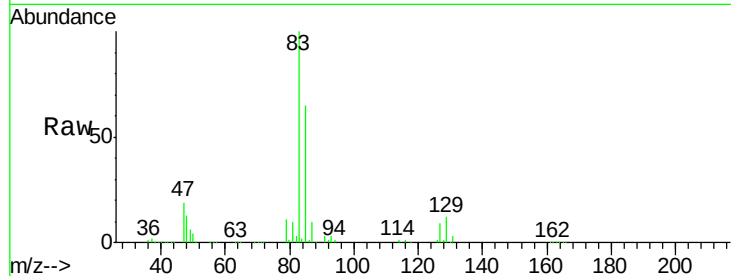
#47
Bromodichloromethane
Concen: 47.581 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampled :
ICVW042020

Tot Ion	83	Resp	149841
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	50.6	76.0
127	9.1	6.7	10.1

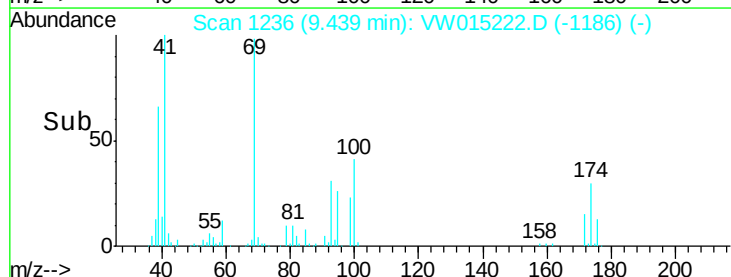
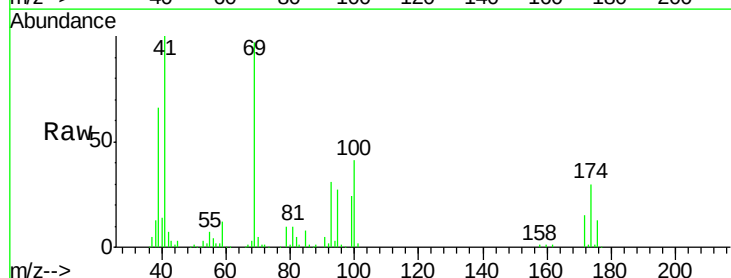
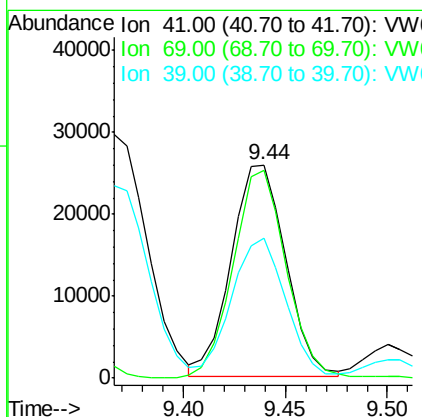
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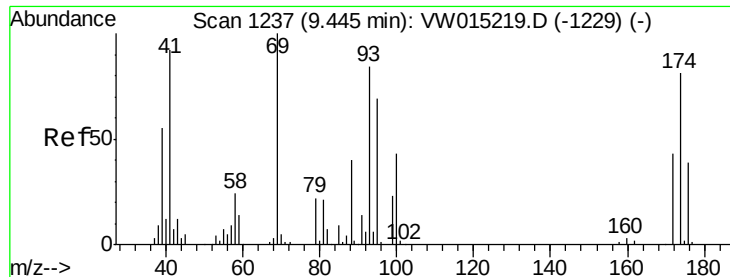
MMDadoda
4/21/2020 10:01:34 AM



#48
Methyl methacrylate
Concen: 45.720 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	41	Resp	48229
Ion Ratio	100	Lower	Upper
41	100		
69	95.0	70.6	105.8
39	61.5	42.6	64.0





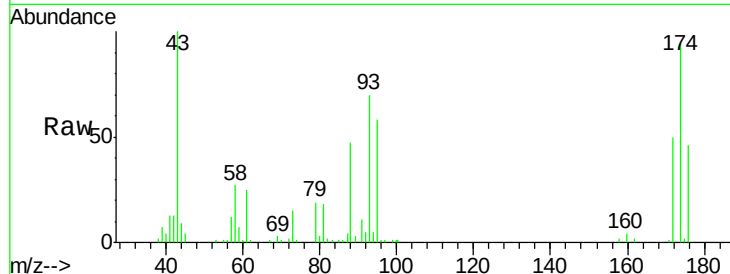
#49
1,4-Dioxane
Concen: 823.971 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.04 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	88	Resp	12940
Ion Ratio	Lower	Upper	
88	100		
43	539.5	23.5	35.3#
58	66.1	55.4	83.2

Manual Integrations
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MMDadoda
4/21/2020 10:01:34 AM

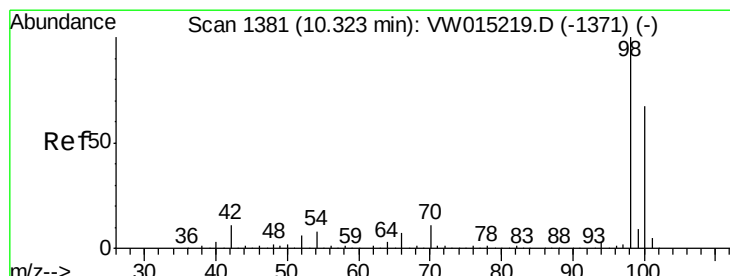
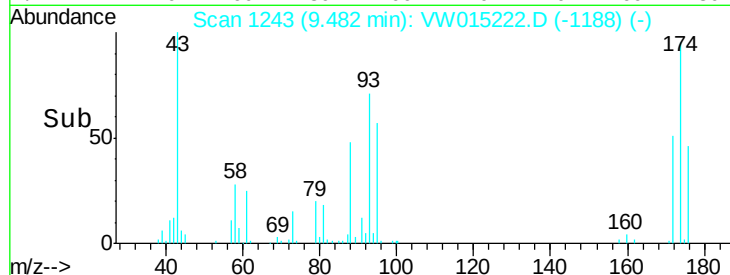
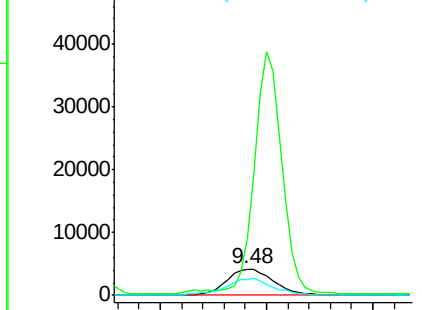


Abundance

Ion 88.00 (87.70 to 88.70): VW

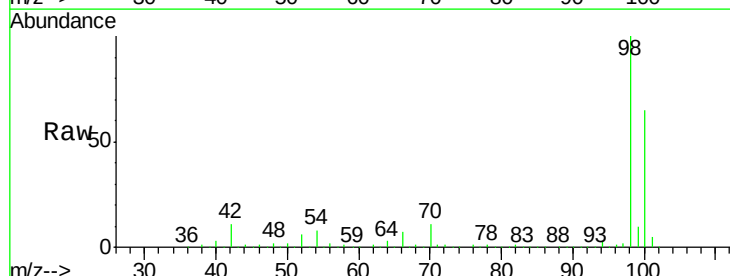
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 49.395 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

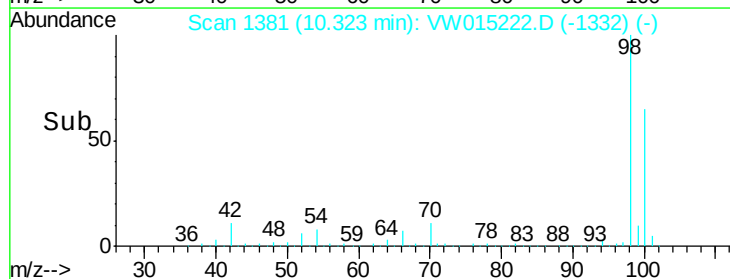
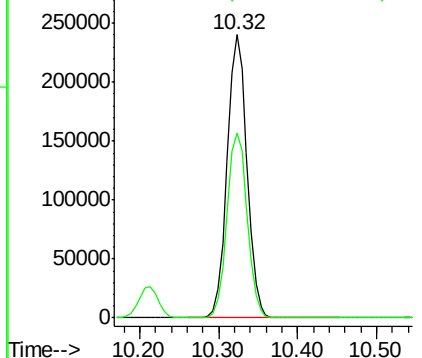
Tgt Ion	98	Resp	418062
Ion Ratio	Lower	Upper	
98	100		
100	66.7	52.9	79.3

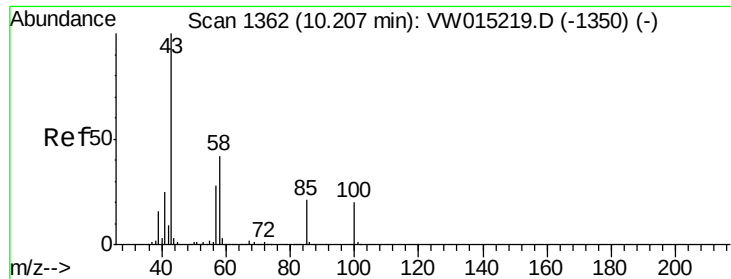


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 215.242 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

ClientSampled :

ICVW042020

Tot Ion: 43 Resp: 225466

Ion Ratio Lower Upper

43 100

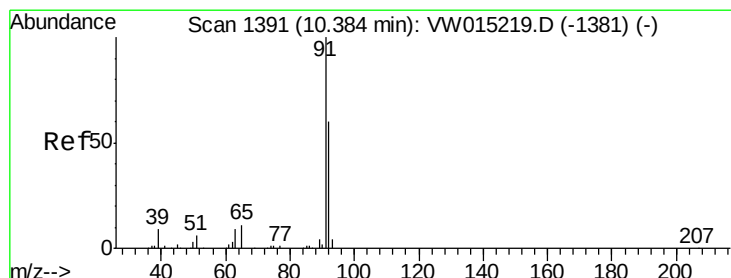
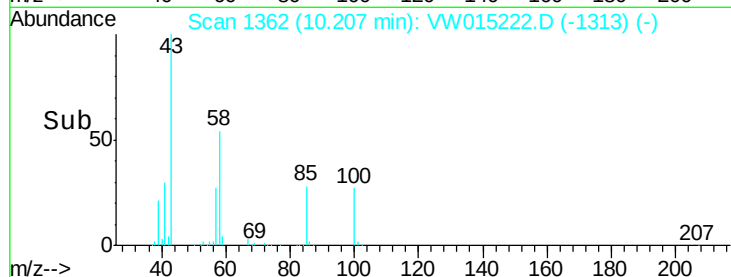
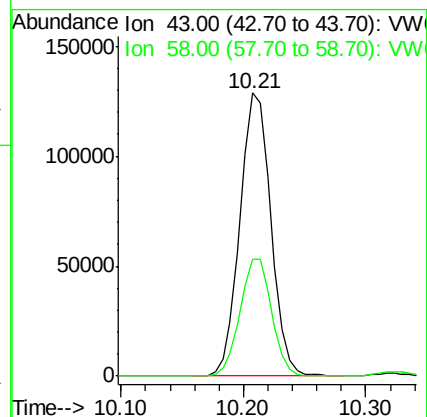
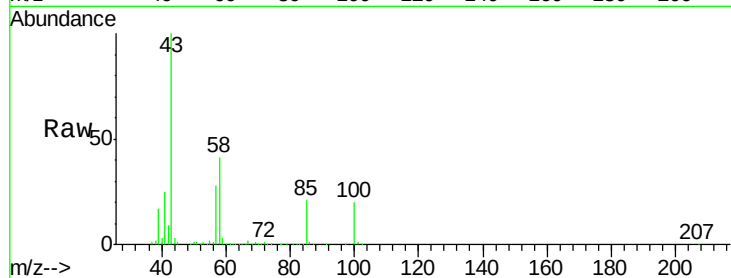
58 42.2 32.3 48.5

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#52

Toluene

Concen: 50.068 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015222.D

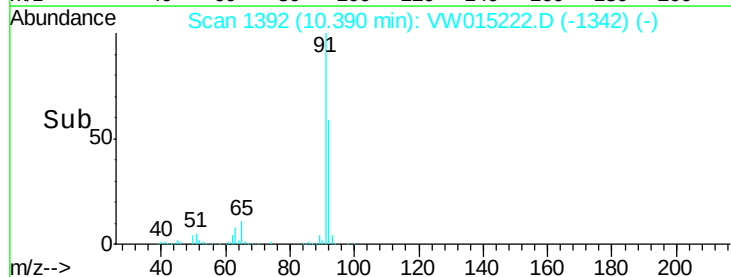
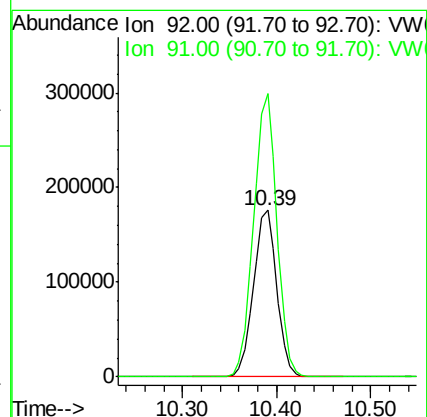
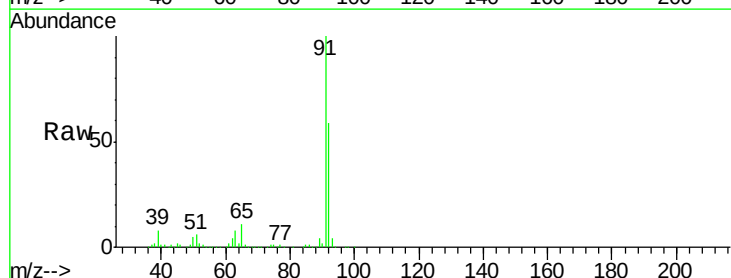
Acq: 20 Apr 2020 14:33

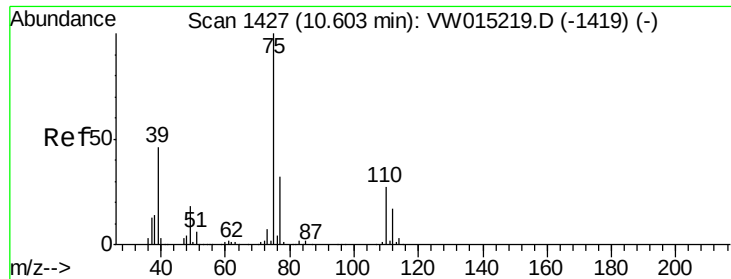
Tgt Ion: 92 Resp: 306856

Ion Ratio Lower Upper

92 100

91 169.1 137.1 205.7





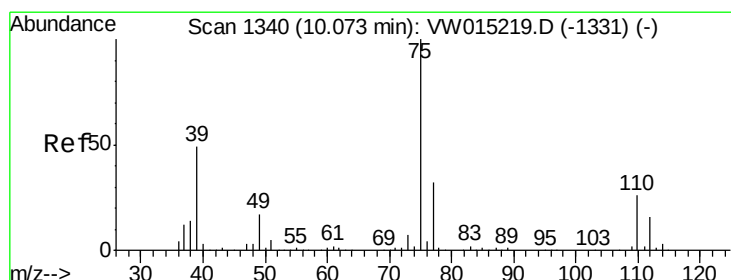
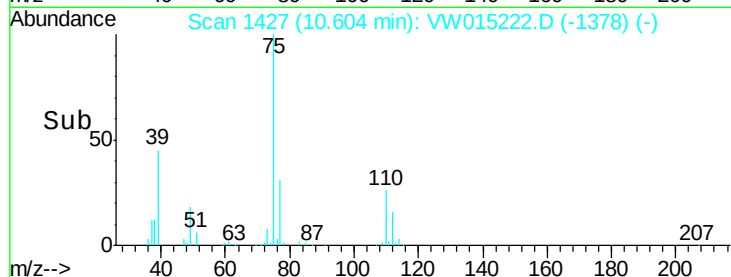
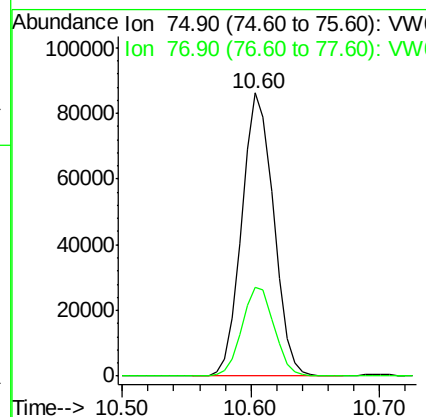
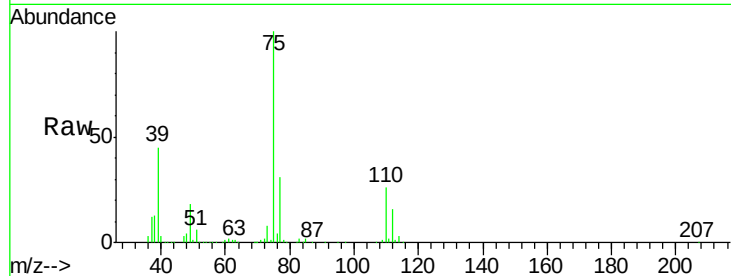
#53
 t-1,3-Dichloropropene
 Concen: 47.533 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW042020

Tot Ion	75	Resp	147598
Ion Ratio	Lower	Upper	
75	100		
77	31.4	25.5	38.3

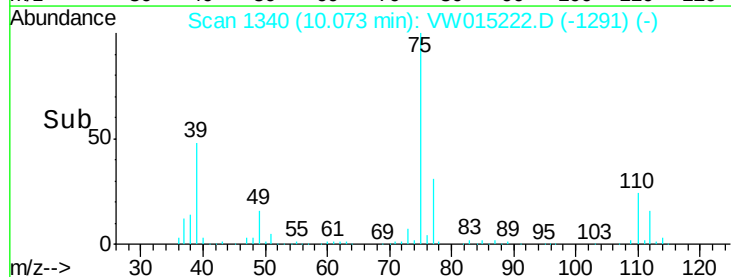
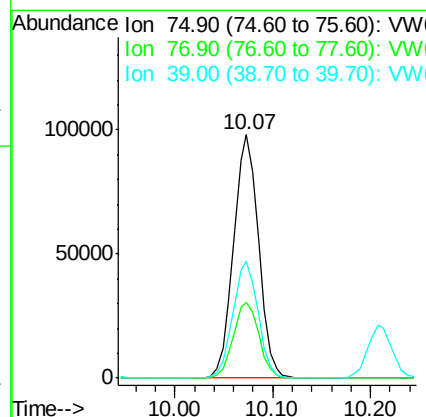
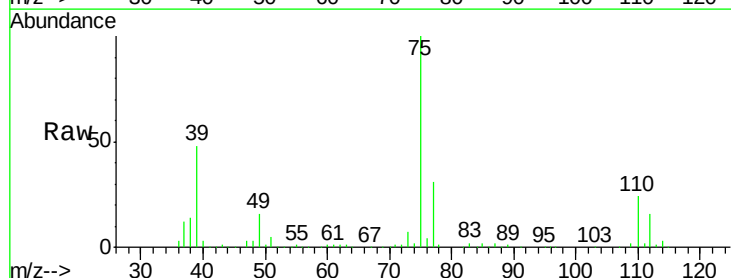
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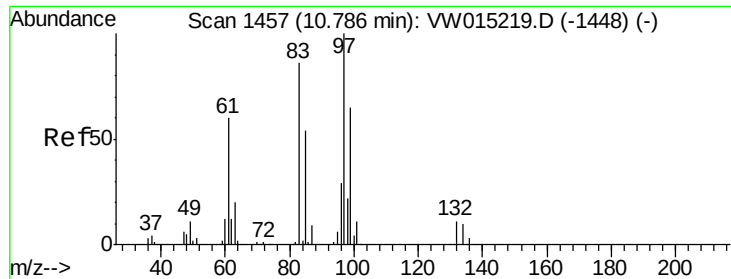
MMDadoda
 4/21/2020 10:01:34 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.040 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Tgt Ion	75	Resp	173388
Ion Ratio	Lower	Upper	
75	100		
77	31.4	26.6	39.8
39	48.1	37.8	56.6





#55

1,1,2-Trichloroethane

Concen: 45.822 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW042020

Tot Ion: 97 Resp: 75586

Ion Ratio Lower Upper

97 100

83 78.0 67.3 100.9

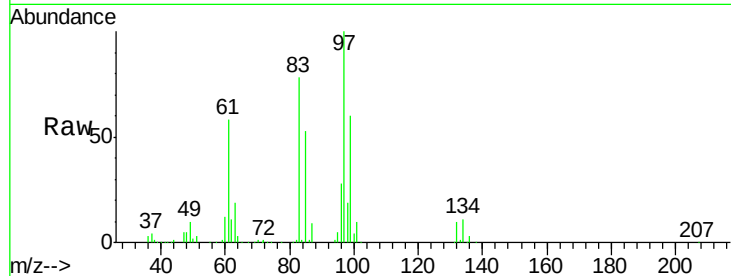
85 52.5 43.8 65.8

99 60.2 51.4 77.0

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4/21/2020 10:01:34 AM

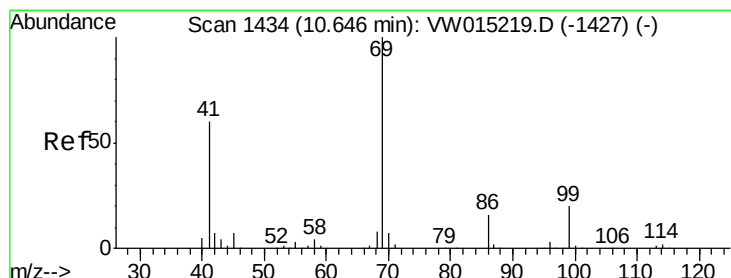
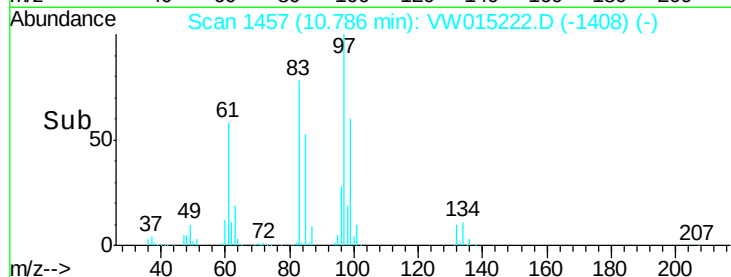
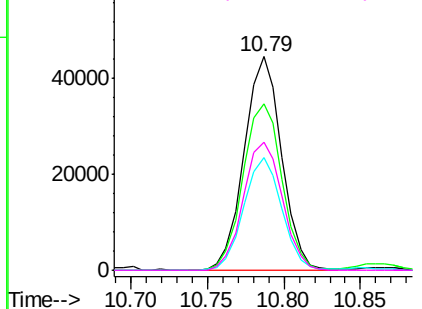


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 45.657 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

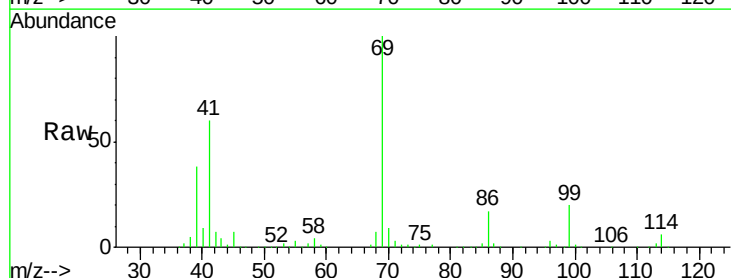
Tgt Ion: 69 Resp: 97023

Ion Ratio Lower Upper

69 100

41 59.9 51.3 76.9

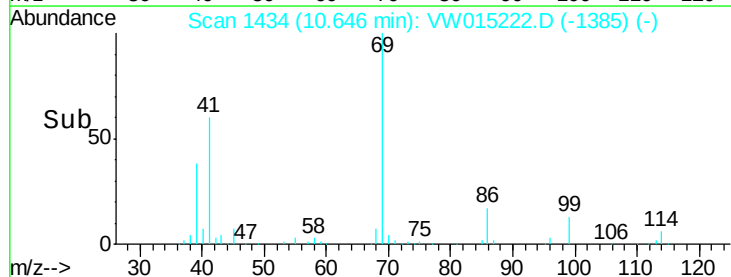
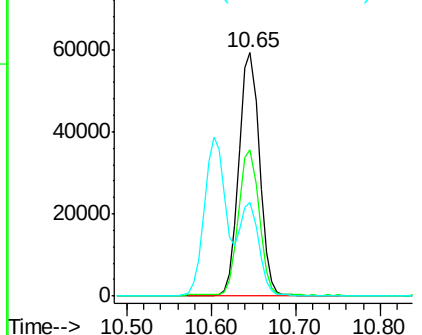
39 34.7 24.6 37.0

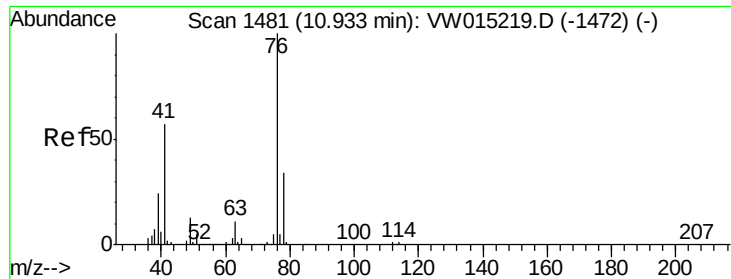


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 46.746 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW042020

Tot Ion: 76 Resp: 127733

Ion Ratio Lower Upper

76 100

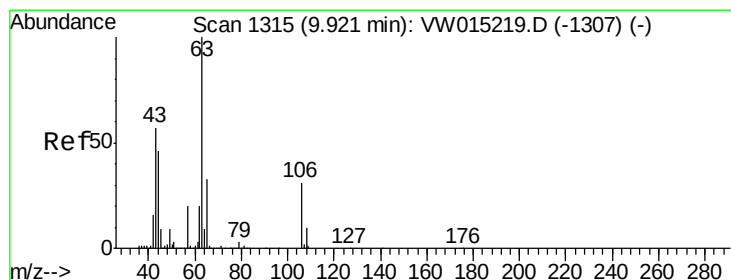
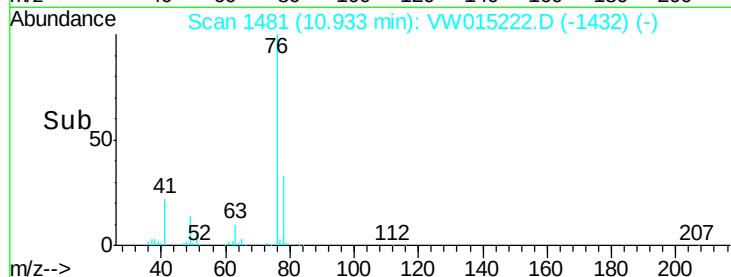
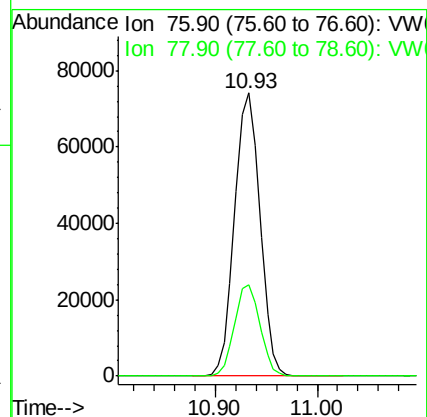
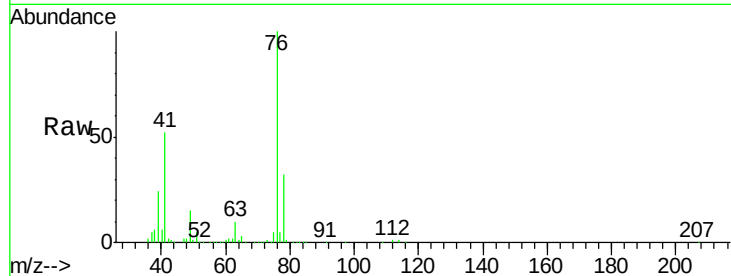
78 32.3 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 221.354 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW015222.D

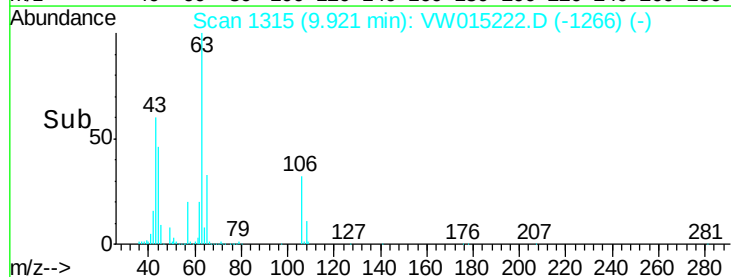
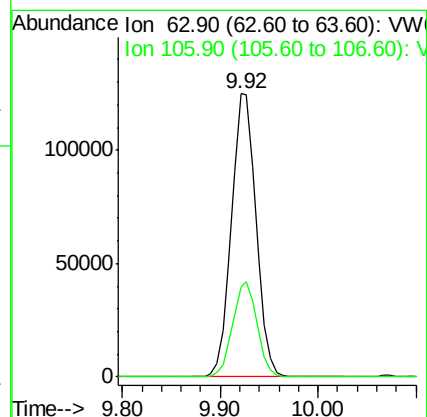
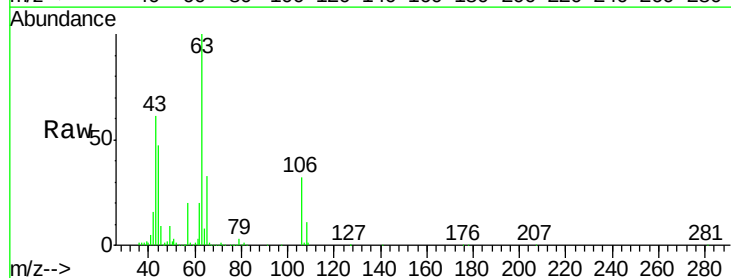
Acq: 20 Apr 2020 14:33

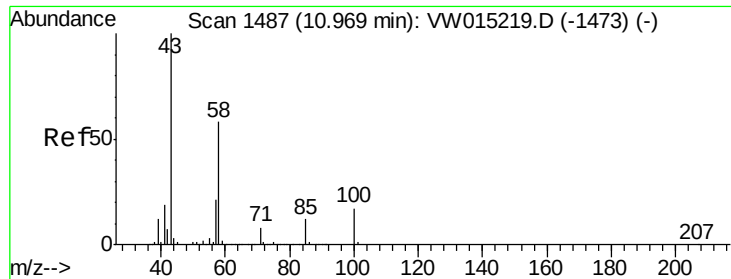
Tgt Ion: 63 Resp: 218078

Ion Ratio Lower Upper

63 100

106 33.1 22.6 33.8





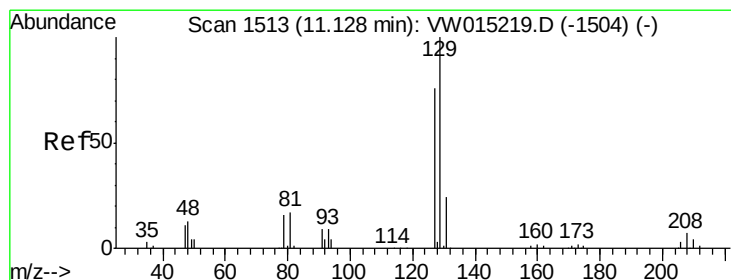
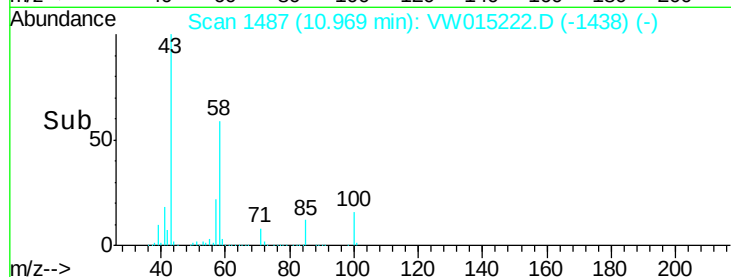
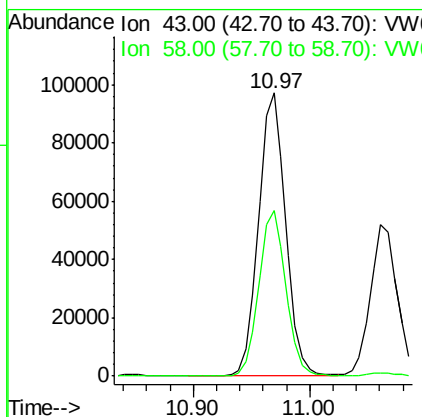
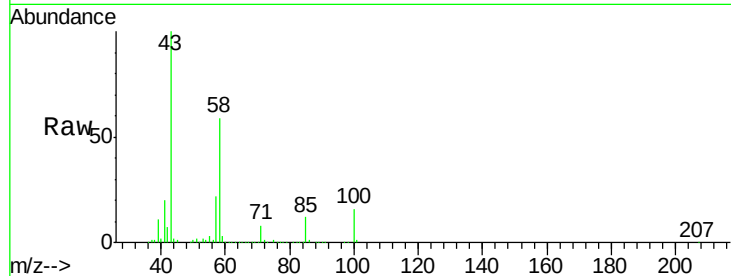
#59
2-Hexanone
Concen: 210.318 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion: 43 Resp: 157264
Ion Ratio Lower Upper
43 100
58 58.6 28.1 84.3

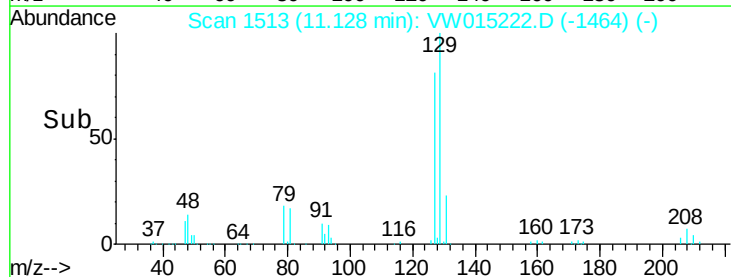
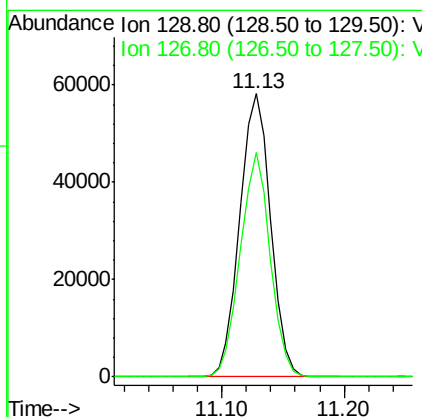
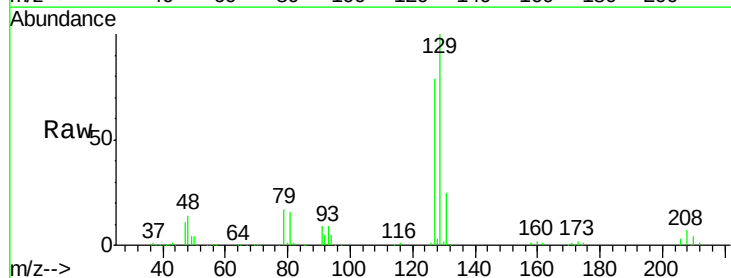
Manual Integrations
APPROVED

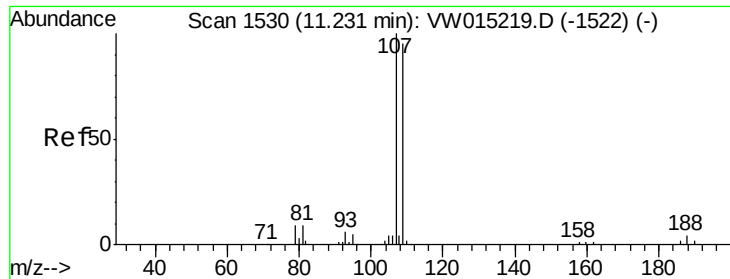
MMDadoda
4/21/2020 10:01:34 AM



#60
Dibromochloromethane
Concen: 46.892 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion: 129 Resp: 102129
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.8





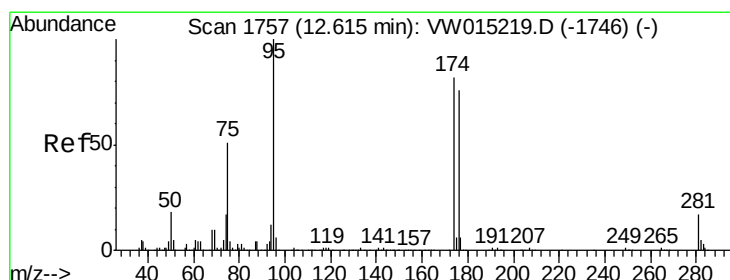
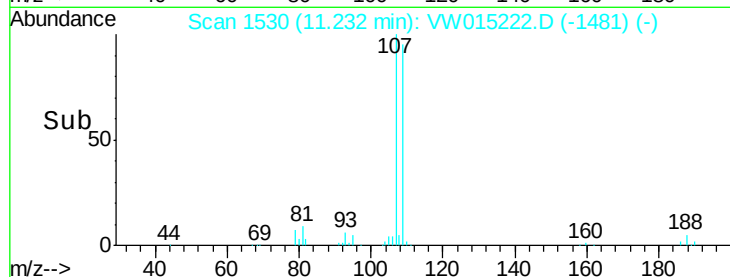
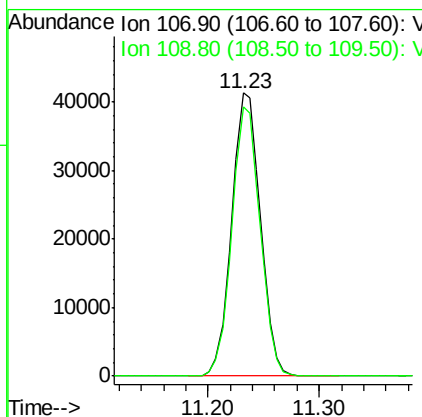
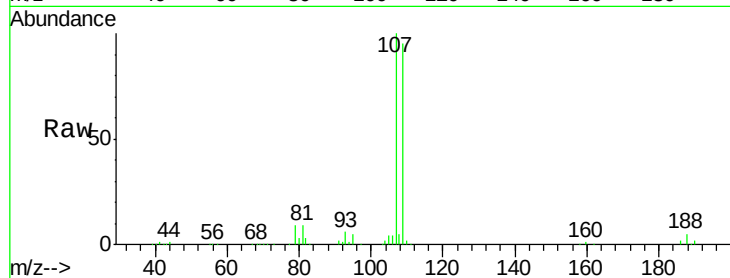
#61
 1,2-Dibromoethane
 Concen: 45.783 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW042020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.3	111.5

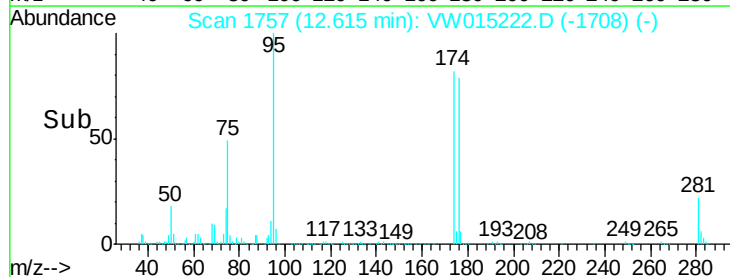
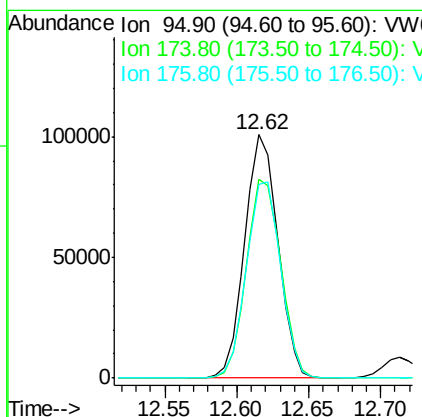
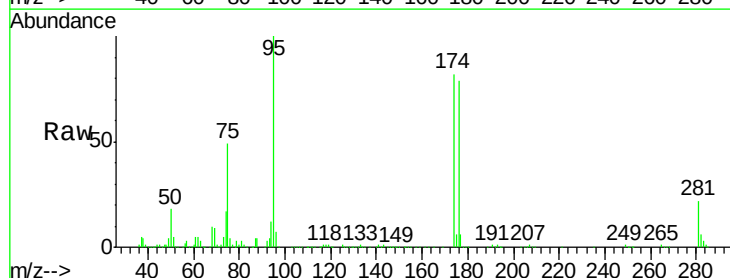
Manual Integrations
 APPROVED

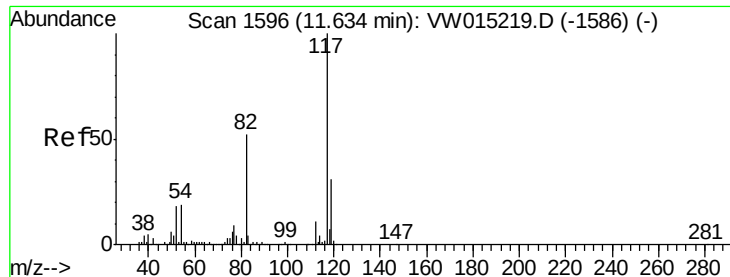
MMDadoda
 4/21/2020 10:01:34 AM



#62
 4-Bromofluorobenzene
 Concen: 49.882 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	144.4
176	83.1	0.0	140.6





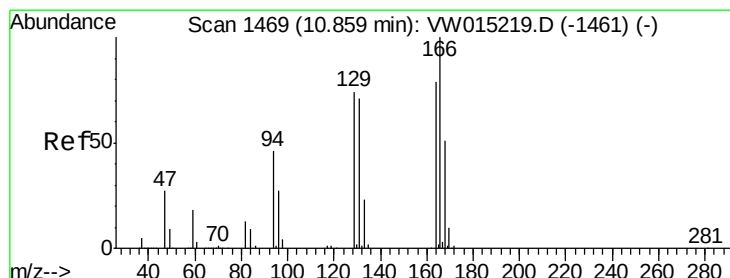
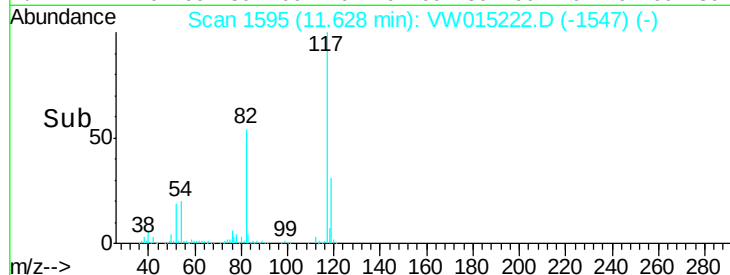
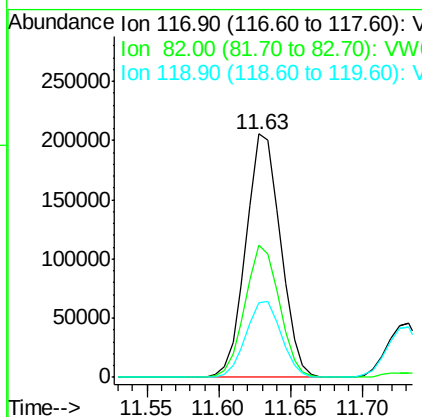
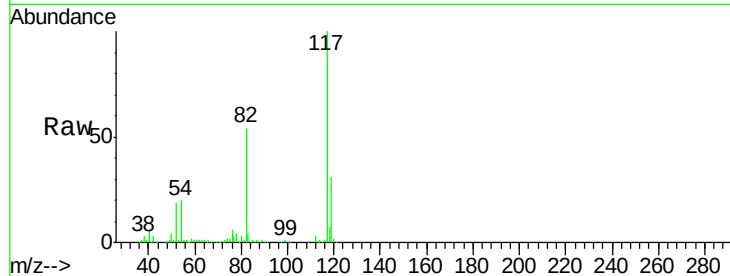
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	342219		
82	54.5	44.1	66.1	
119	30.5	24.9	37.3	

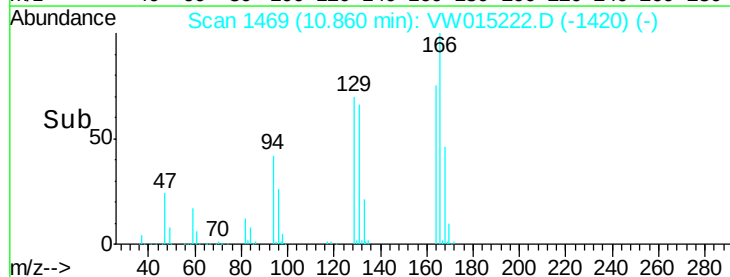
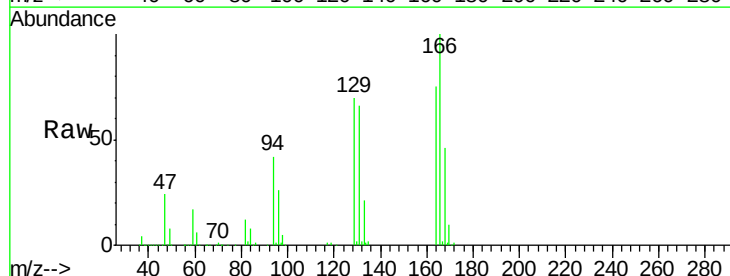
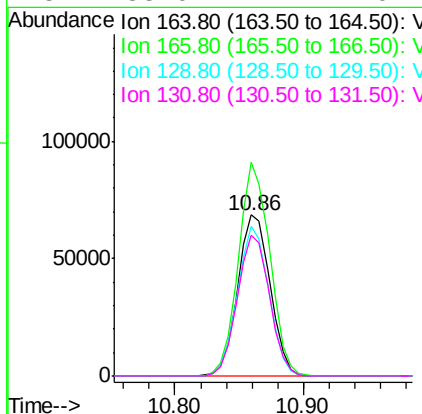
Manual Integrations
APPROVED

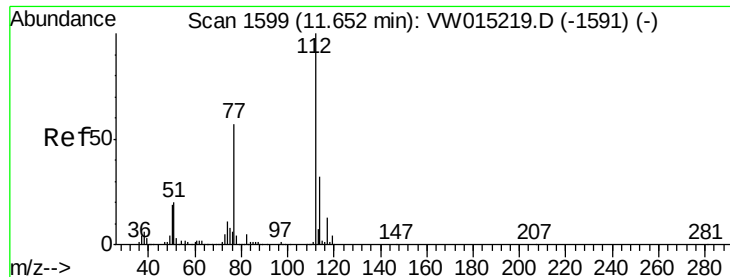
MMDadoda
4/21/2020 10:01:34 AM



#64
Tetrachloroethene
Concen: 48.801 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119193		
166	132.9	102.6	154.0	
129	93.3	80.2	120.2	
131	88.0	77.4	116.2	





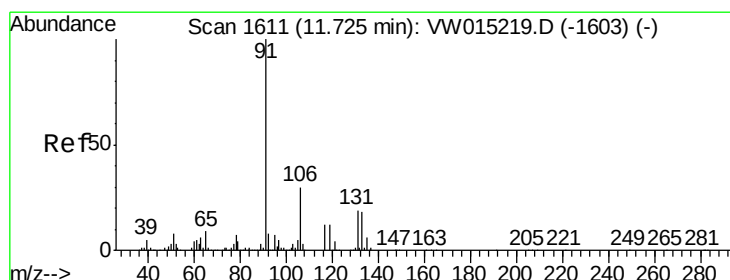
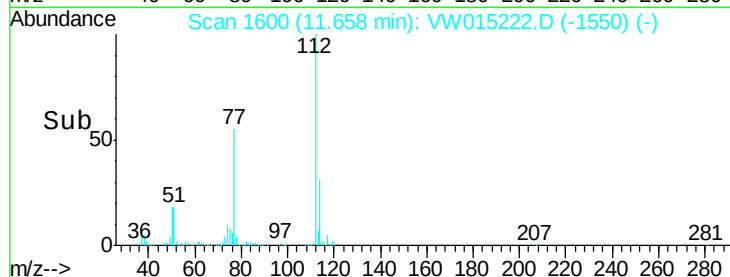
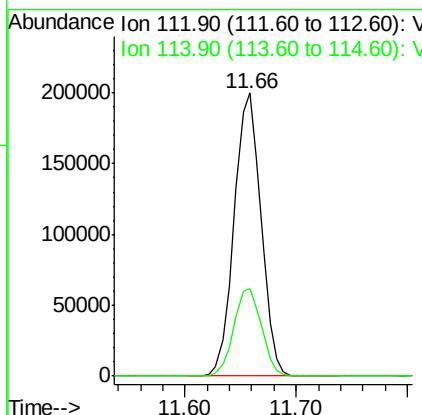
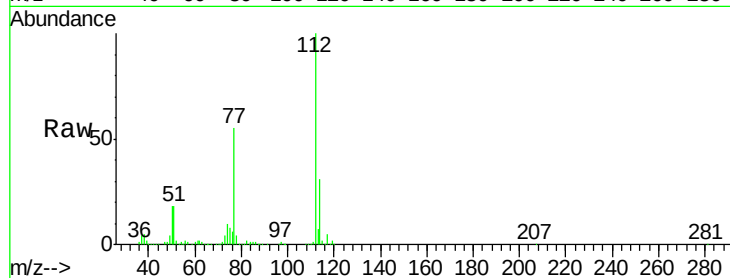
#65
Chlorobenzene
Concen: 49.722 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion:112 Resp: 333900
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6

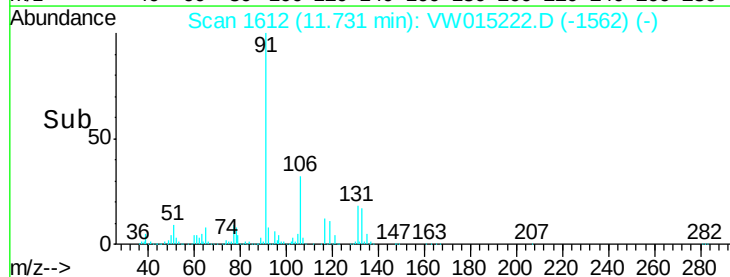
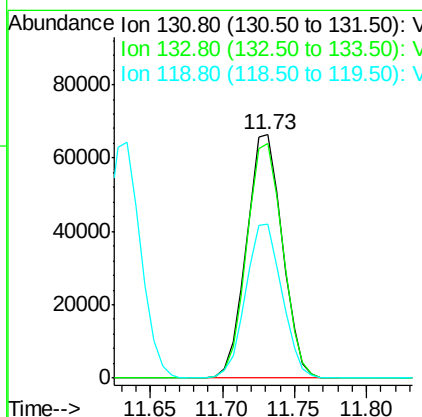
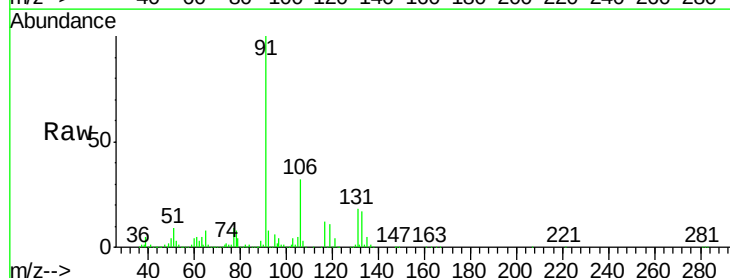
Manual Integrations
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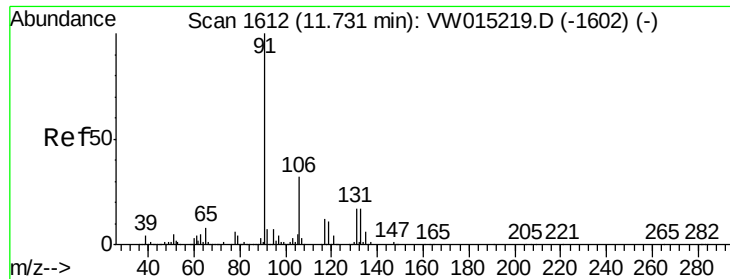
MMDadoda
4/21/2020 10:01:34 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.282 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion:131 Resp: 114120
Ion Ratio Lower Upper
131 100
133 97.0 47.7 143.1
119 64.1 34.0 101.8





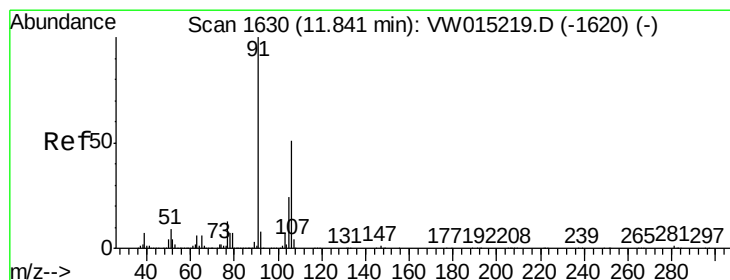
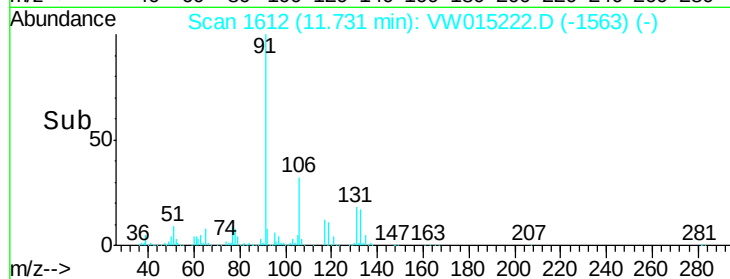
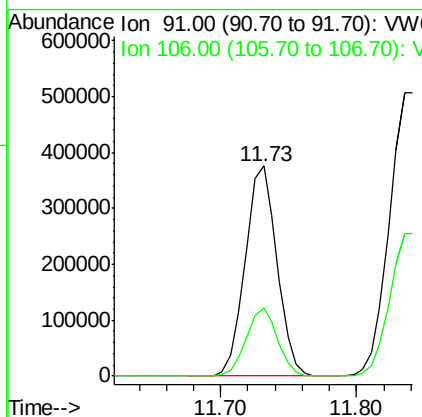
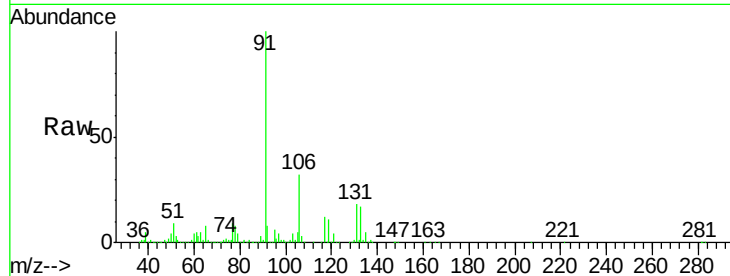
#67
Ethyl Benzene
Concen: 49.158 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.7	38.5

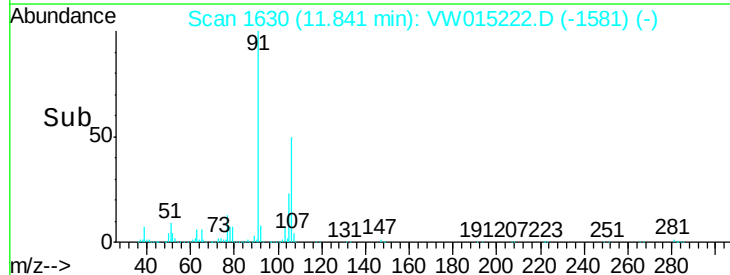
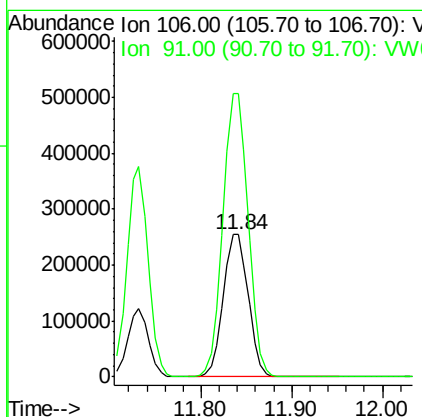
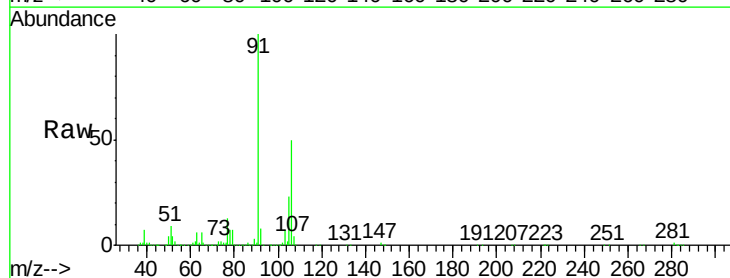
Manual Integrations
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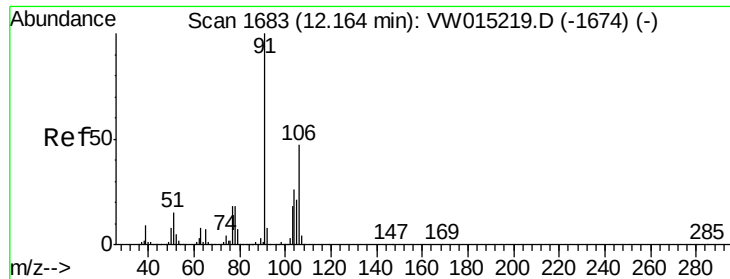
MMDadoda
4/21/2020 10:01:34 AM



#68
m/p-Xylenes
Concen: 99.497 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.8	160.0	240.0





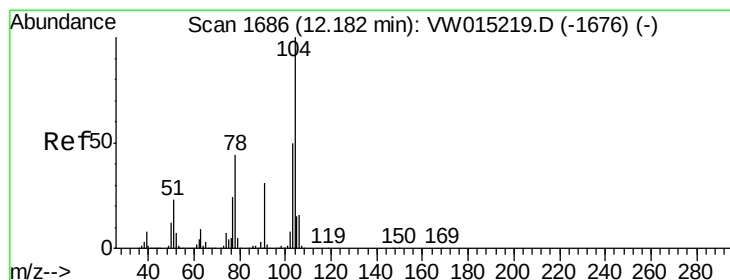
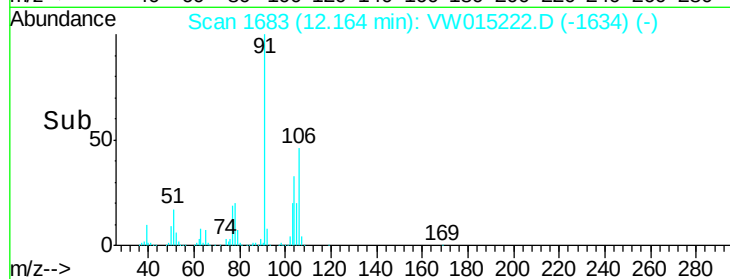
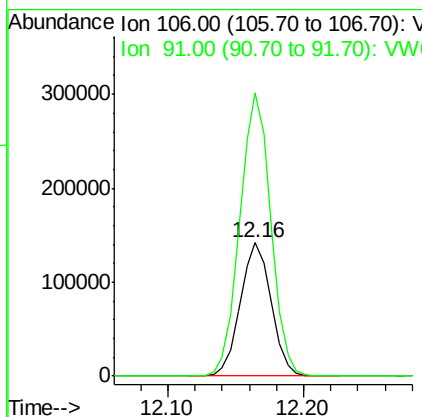
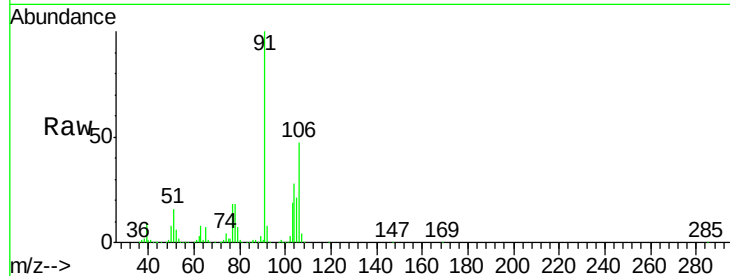
#69
o-Xylene
Concen: 49.173 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.5	105.7	317.1	

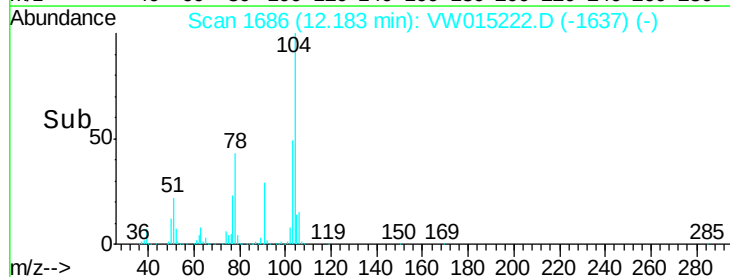
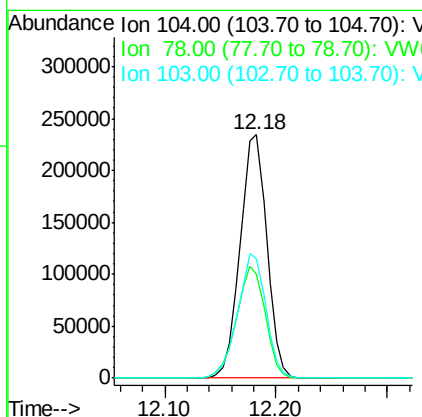
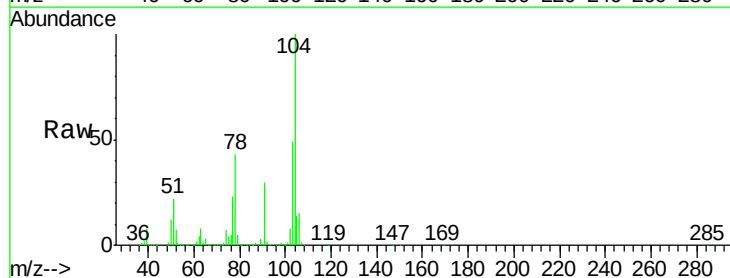
Manual Integrations
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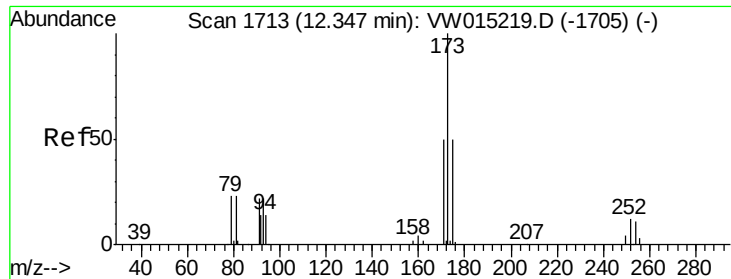
MMDadoda
4/21/2020 10:01:34 AM



#70
Styrene
Concen: 49.984 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.4	39.8	59.6	
103	53.5	43.8	65.6	





#71

Bromoform

Concen: 45.348 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW042020

Tot Ion:173 Resp: 61671

Ion Ratio Lower Upper

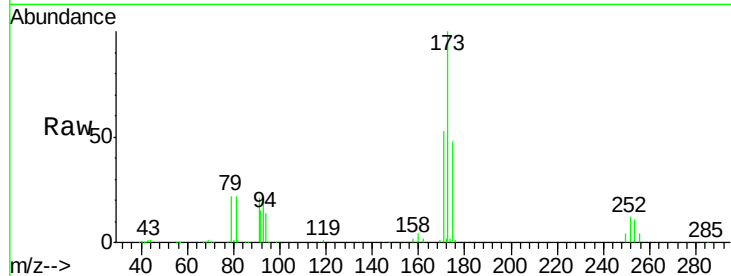
173 100

175 48.7 25.1 75.4

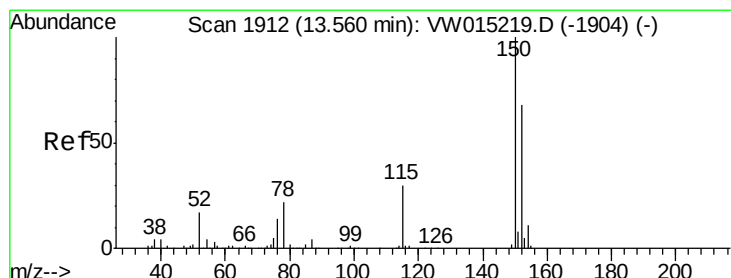
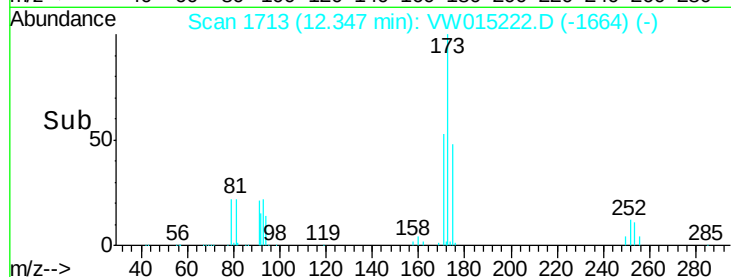
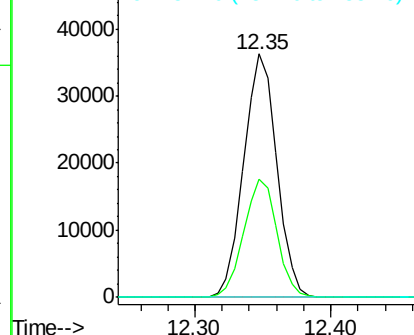
254 0.0 0.1 0.1#

Manual Integrations
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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. -0.01 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

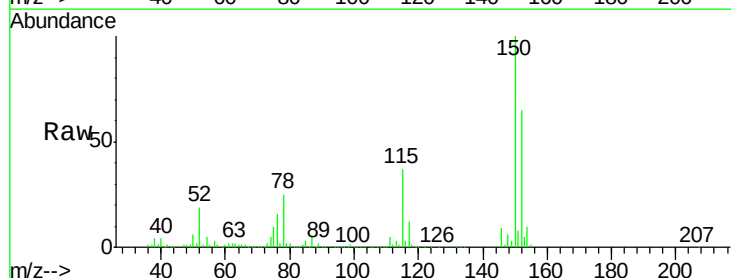
Tgt Ion:152 Resp: 186712

Ion Ratio Lower Upper

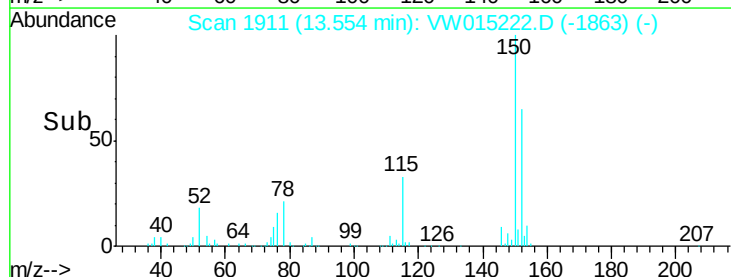
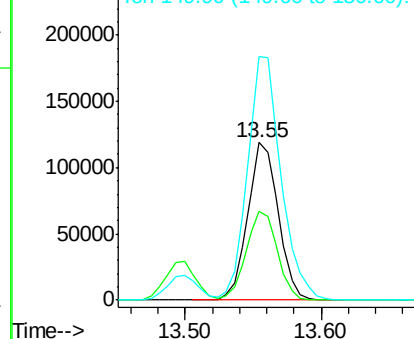
152 100

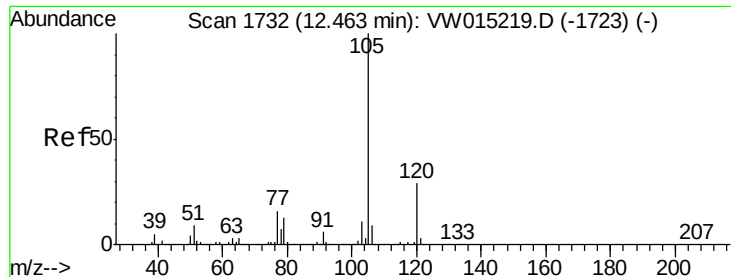
115 57.6 31.3 93.9

150 169.9 0.0 343.4



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





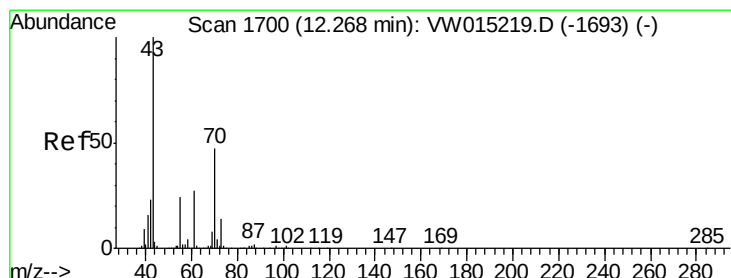
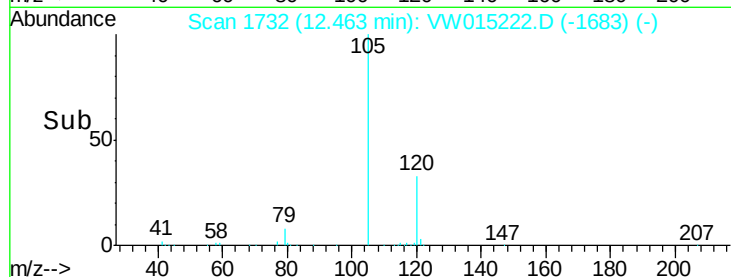
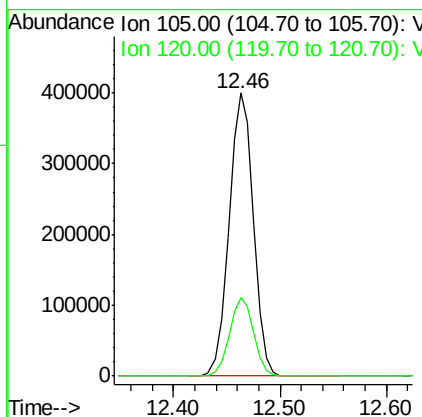
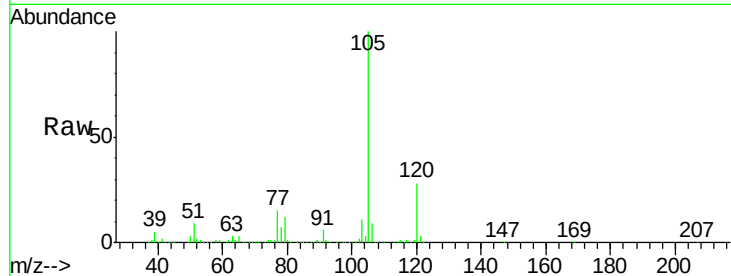
#73
Isopropylbenzene
Concen: 49.010 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.7	41.1

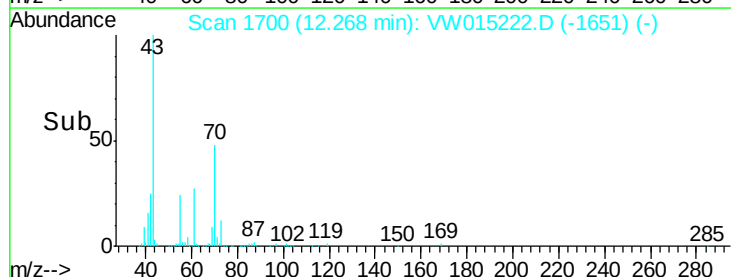
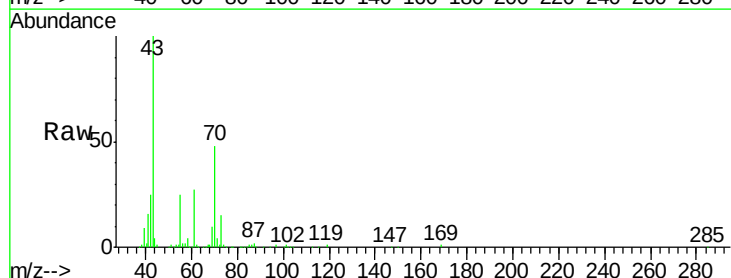
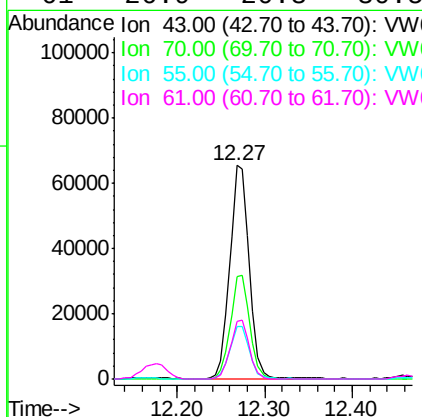
Manual Integrations
APPROVED

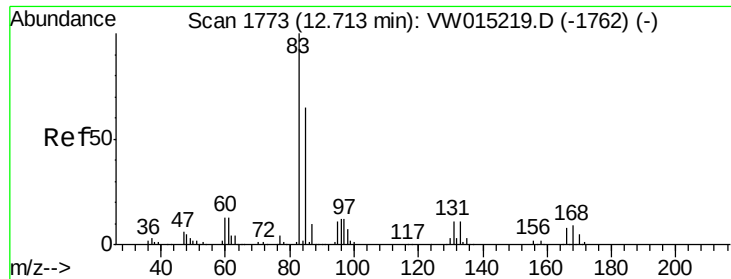
MMDadoda
4/21/2020 10:01:34 AM



#74
N-ethyl acetate
Concen: 44.576 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.7	35.4	53.2
55	24.7	18.5	27.7
61	26.9	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 43.400 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

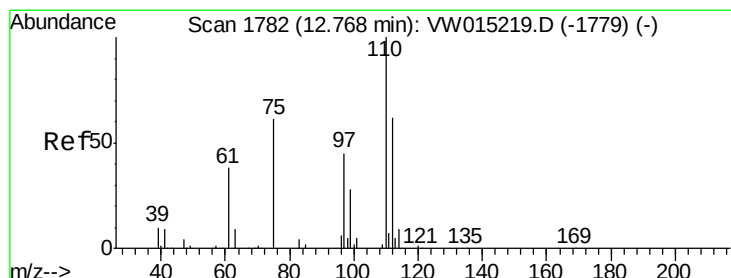
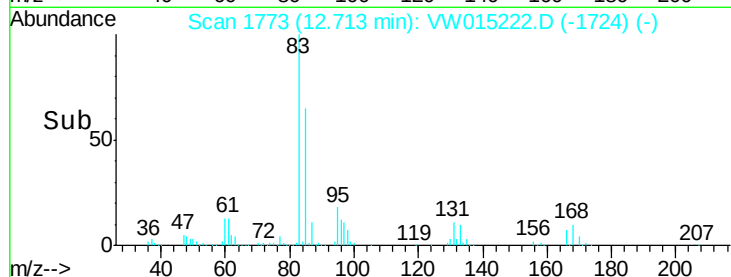
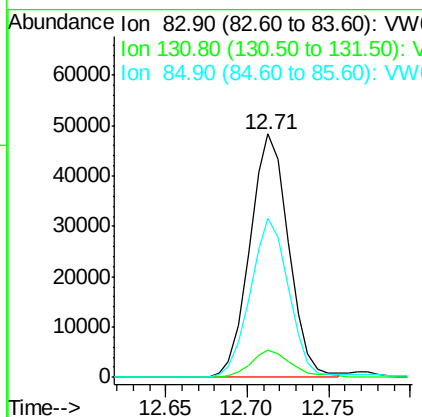
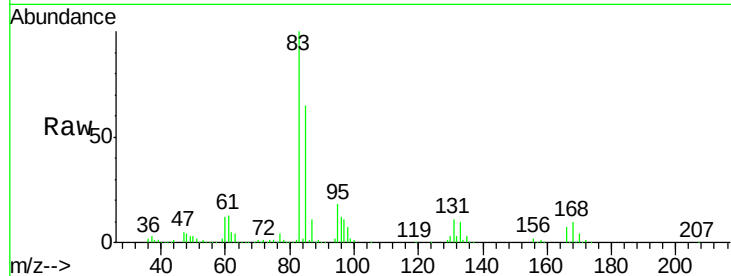
ClientSampleId :

ICVW042020

Tot Ion:	83	Resp:	79771
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.1	15.2
85	64.8	32.3	96.8

Manual Integrations
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MMDadoda
4/21/2020 10:01:34 AM



#76

1,2,3-Trichloropropane

Concen: 45.334 ug/l m

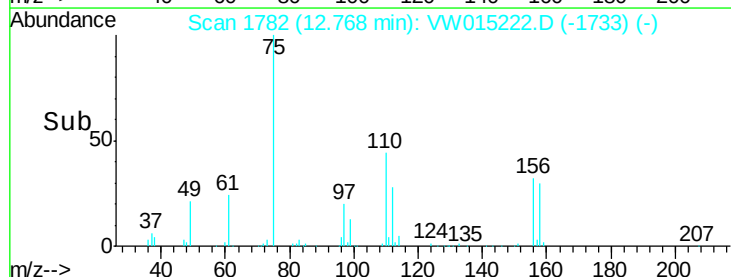
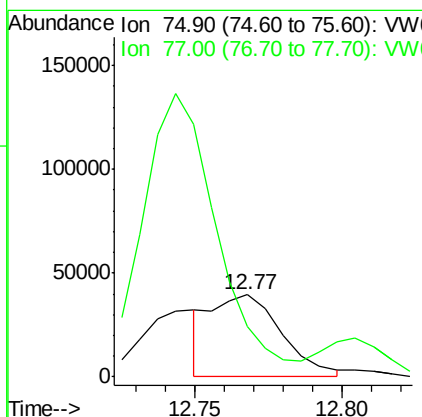
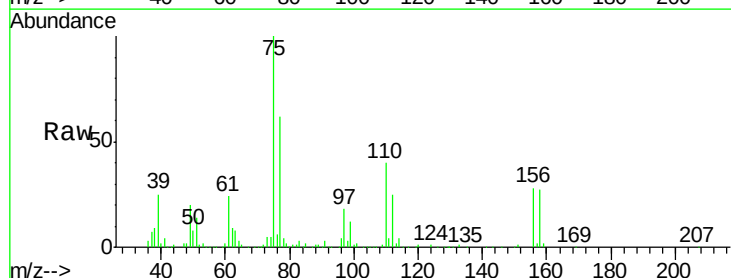
RT: 12.77 min Scan# 1782

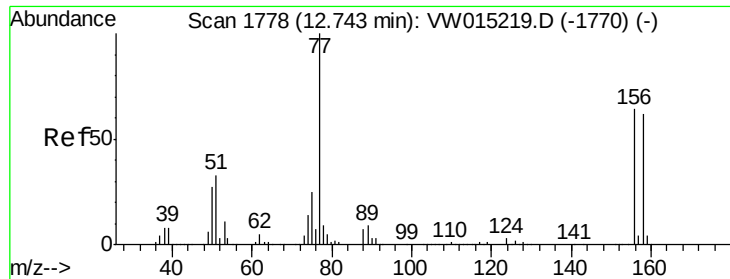
Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Tgt Ion:	75	Resp:	65481
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.484 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

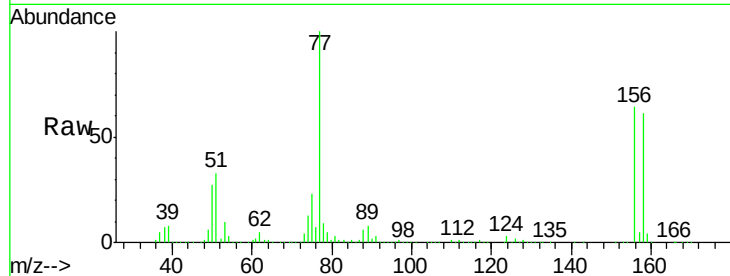
ClientSampleId :

ICVW042020

Tot Ion:	156	Resp:	144204
Ion Ratio	Lower	Upper	
156	100		
77	168.9	100.5	301.5
158	97.1	47.9	143.8

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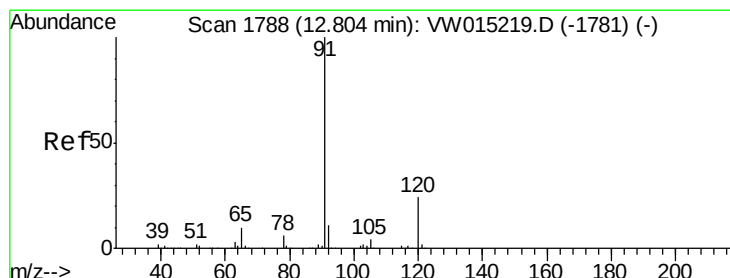
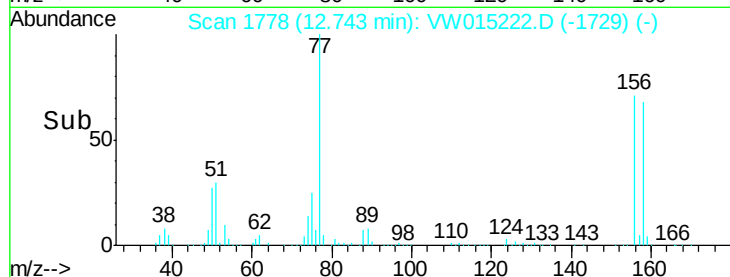
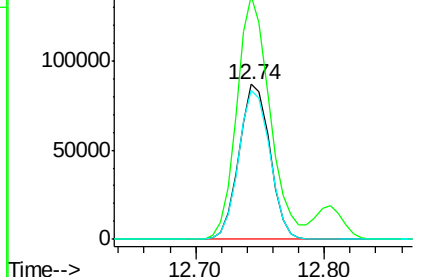
MMDadoda
4/21/2020 10:01:34 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.055 ug/l

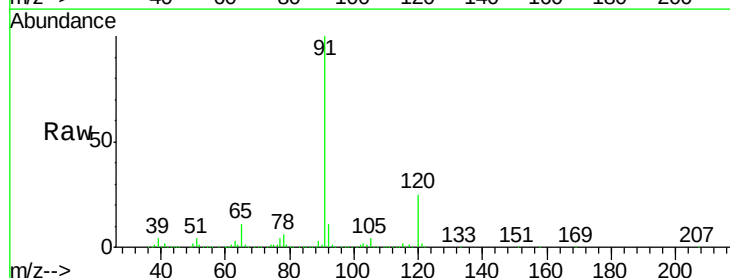
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015222.D

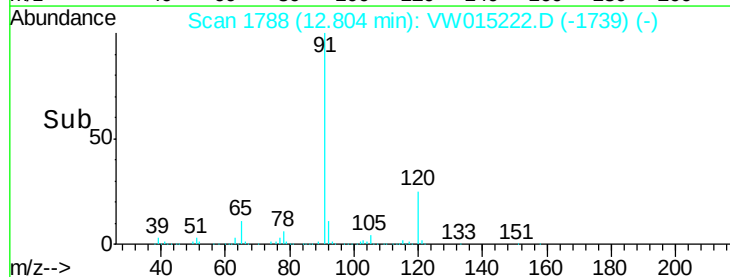
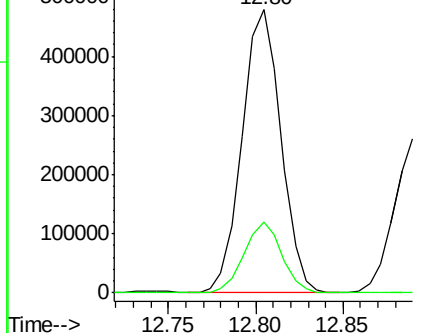
Acq: 20 Apr 2020 14:33

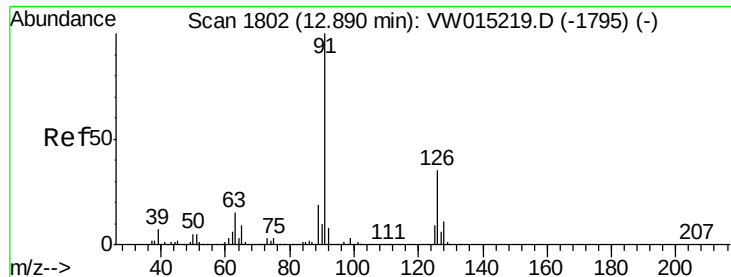
Tgt Ion:	91	Resp:	739394
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.383 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW042020

Tot Ion: 91 Resp: 419482

Ion Ratio Lower Upper

91 100

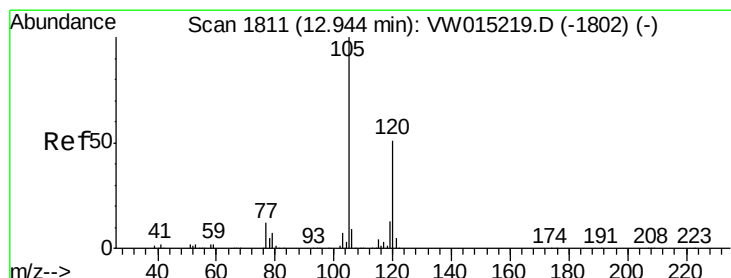
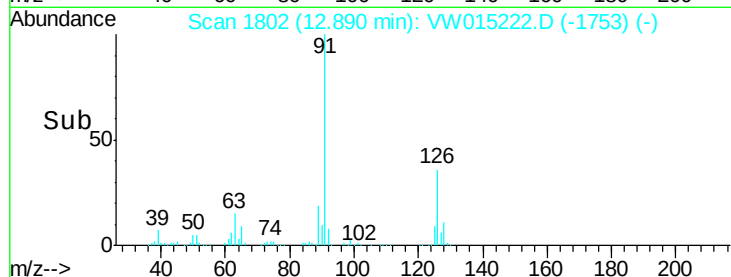
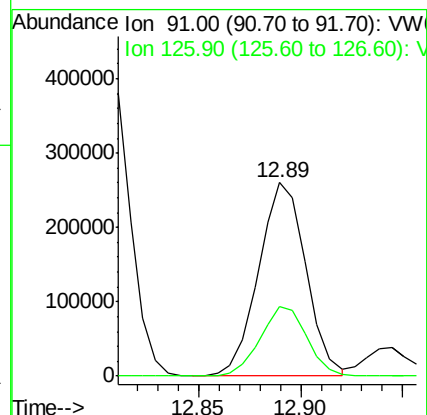
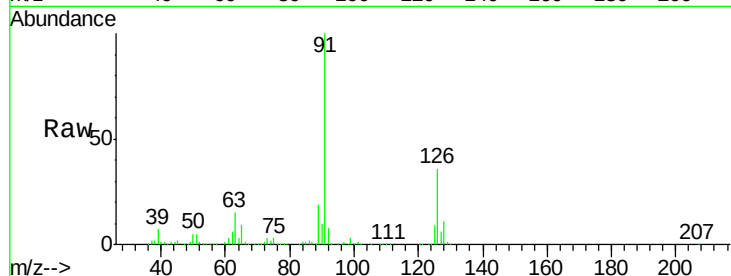
126 35.5 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.966 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015222.D

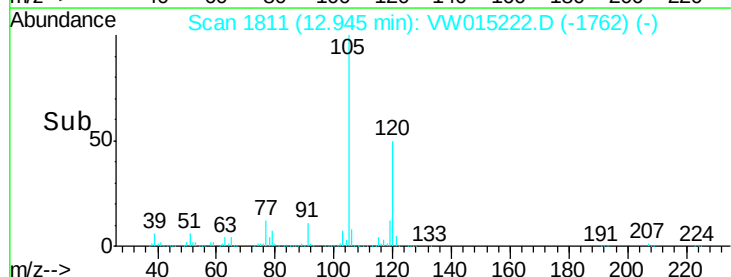
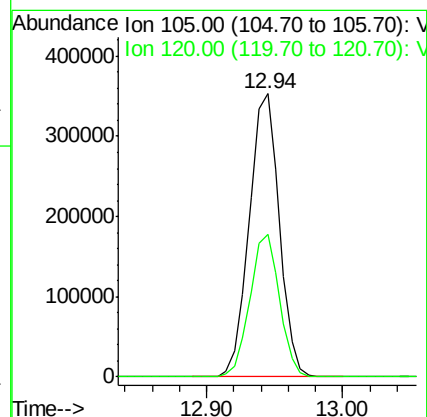
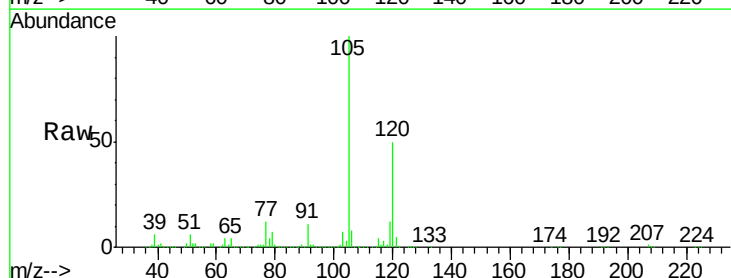
Acq: 20 Apr 2020 14:33

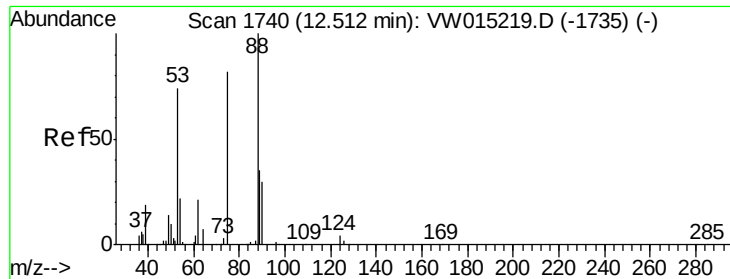
Tgt Ion:105 Resp: 546049

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.8





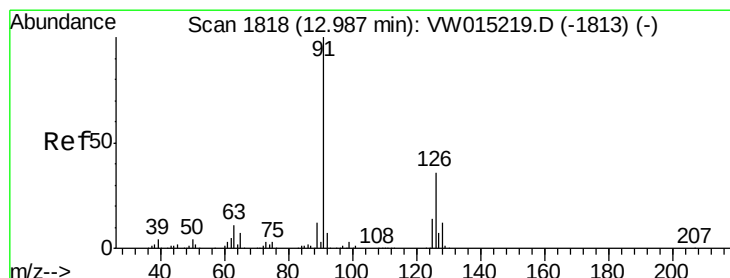
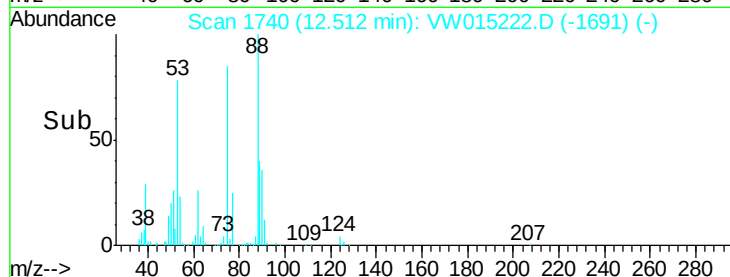
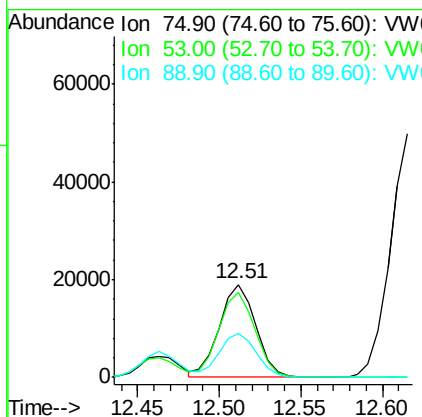
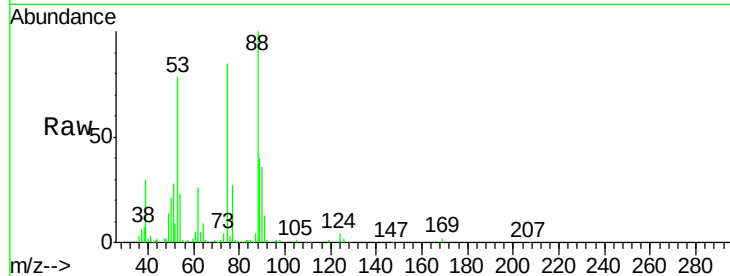
#81
trans-1,4-Dichloro-2-butene
Concen: 44.723 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	69.4	104.2
89	47.4	34.8	52.2

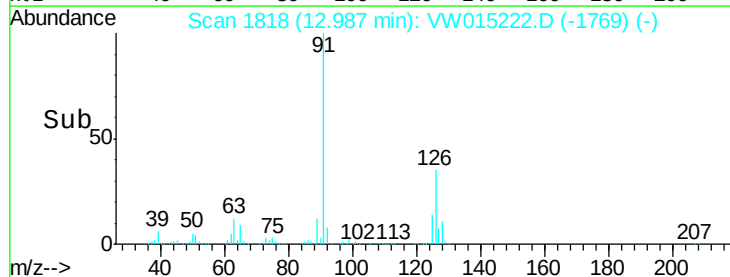
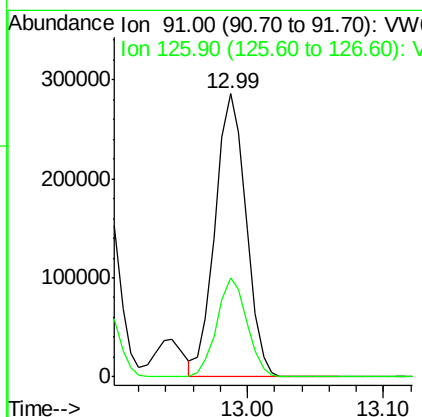
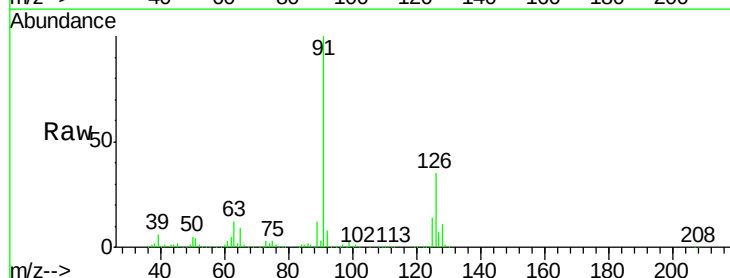
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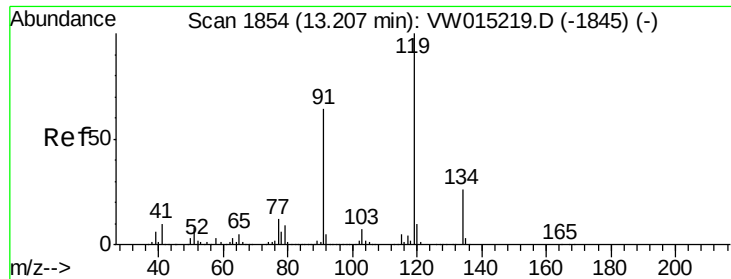
MMDadoda
4/21/2020 10:01:34 AM



#82
4-Chlorotoluene
Concen: 50.012 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.8	50.3





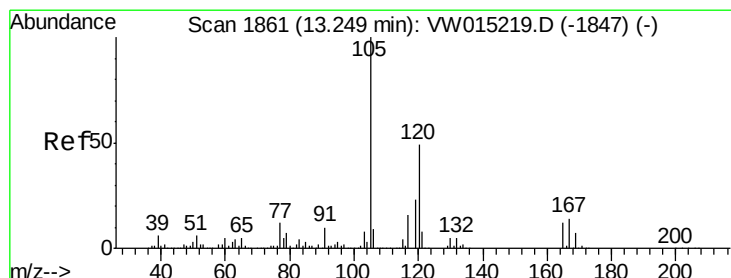
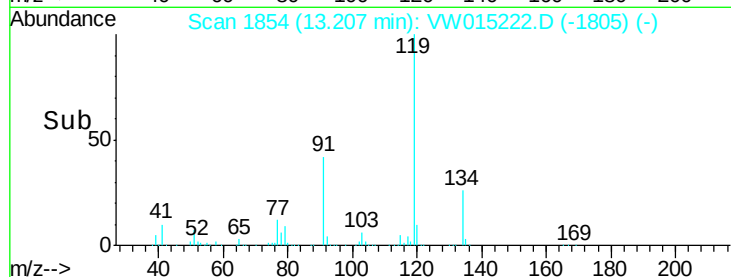
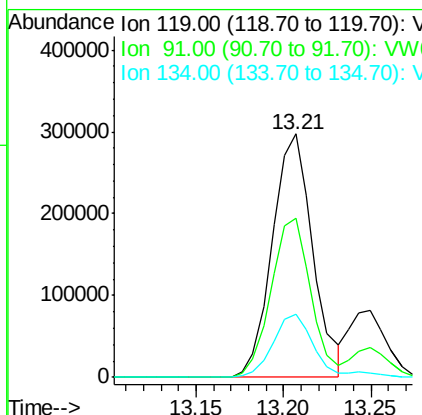
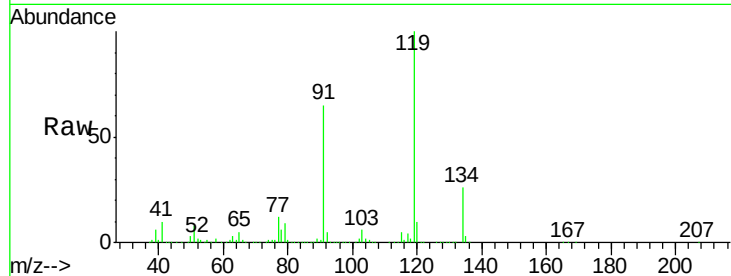
#83
 tert-Butylbenzene
 Concen: 49.220 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW042020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	479733		
91	64.1		32.8	98.3
134	25.7		13.3	39.9

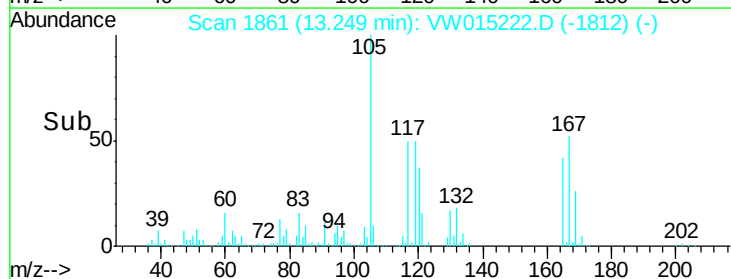
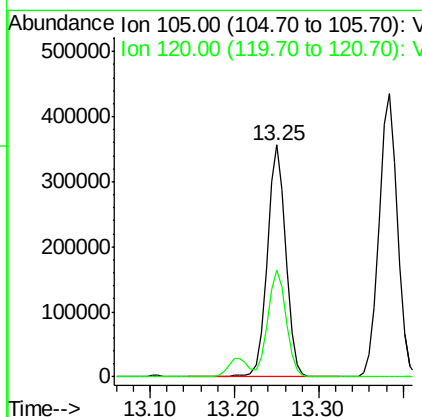
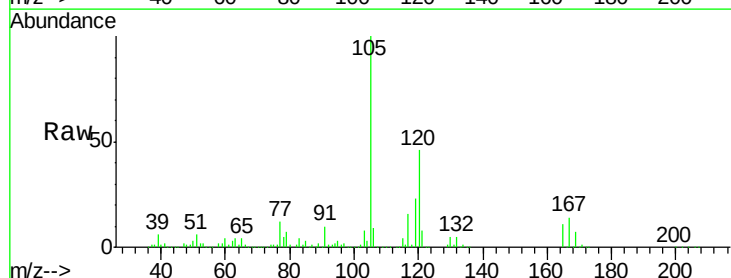
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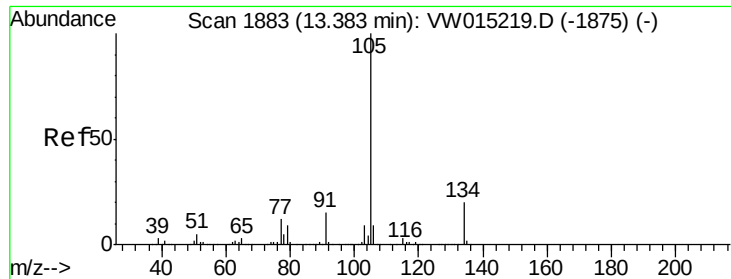
MMDadoda
 4/21/2020 10:01:34 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.836 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	537149		
120	45.7		23.0	69.0





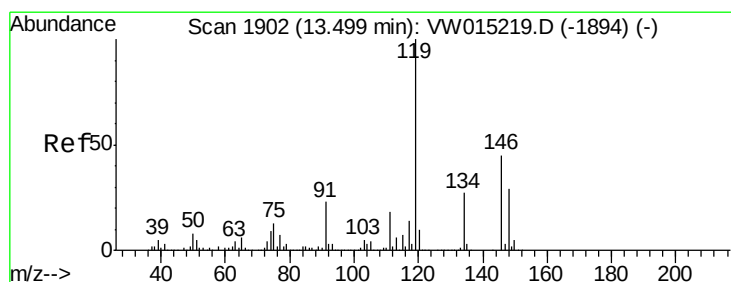
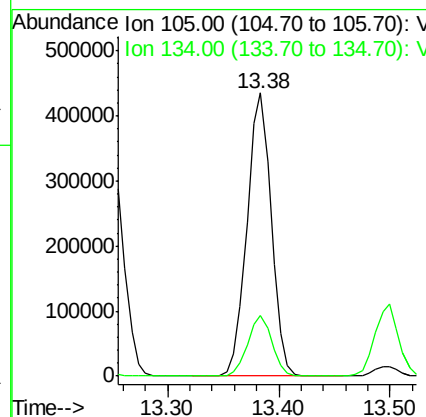
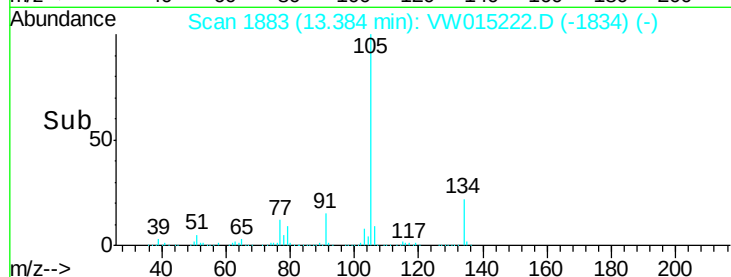
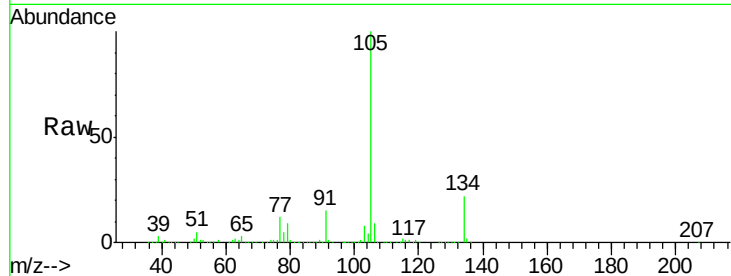
#85
 sec-Butylbenzene
 Concen: 48.933 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW042020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	658661		
134	21.3	10.1	30.1	

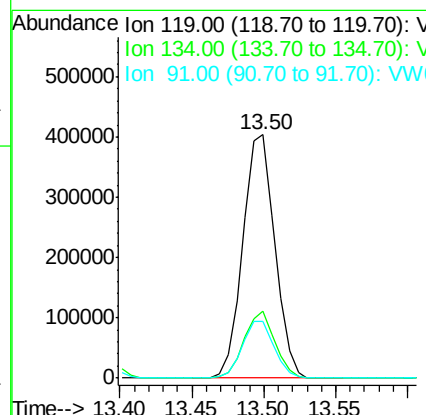
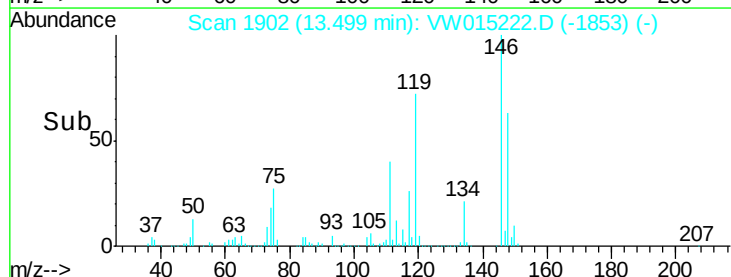
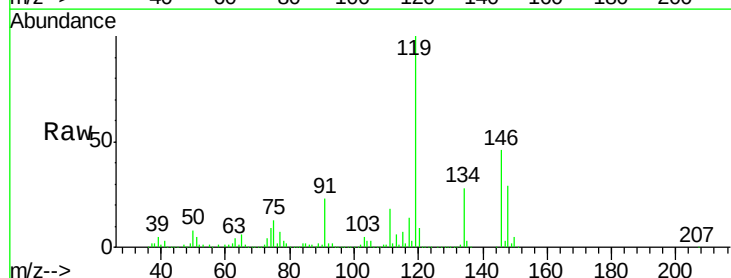
Manual Integrations
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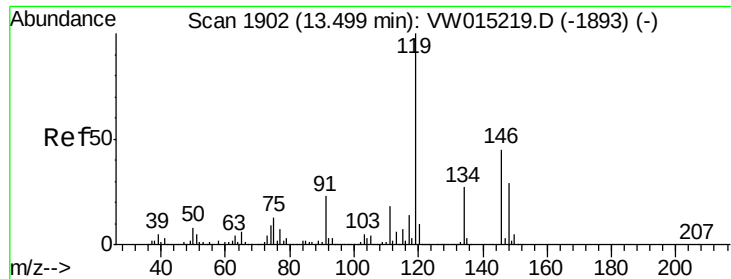
MMDadoda
 4/21/2020 10:01:34 AM



#86
 p-Isopropyltoluene
 Concen: 49.541 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	619649		
134	26.4	13.3	39.9	
91	23.4	12.0	36.1	





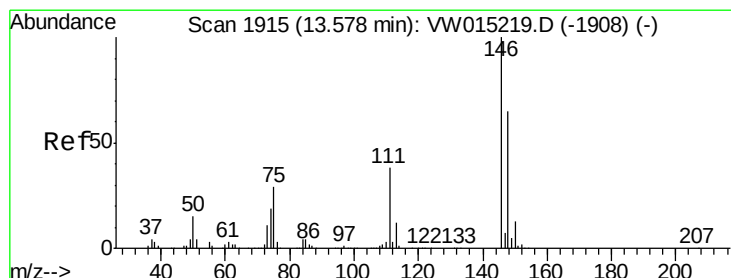
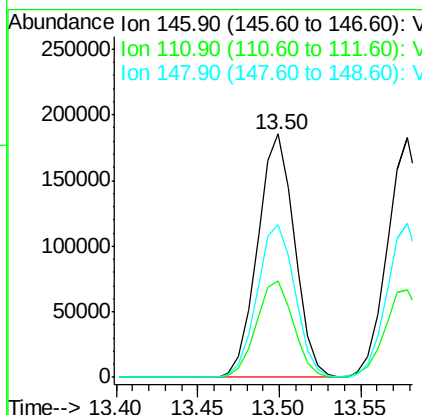
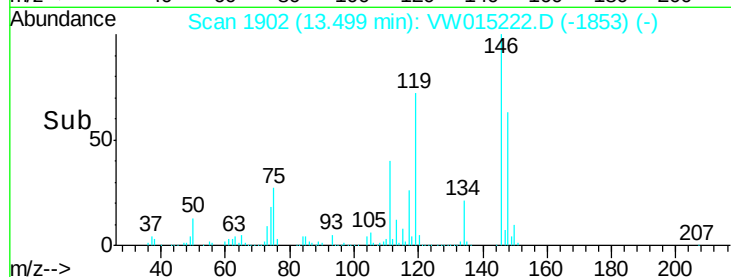
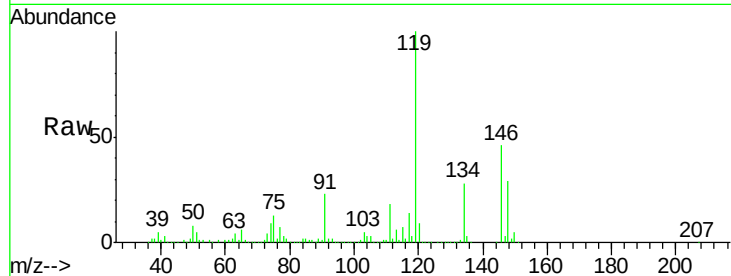
#87
 1,3-Dichlorobenzene
 Concen: 49.402 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW042020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	291946		
111	39.9	21.1	63.4	
148	64.4	31.8	95.3	

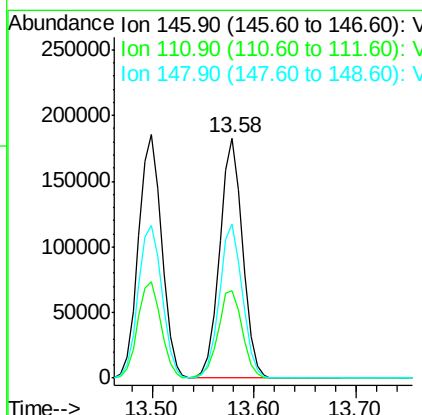
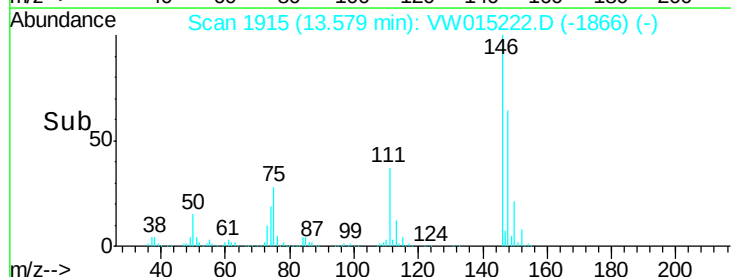
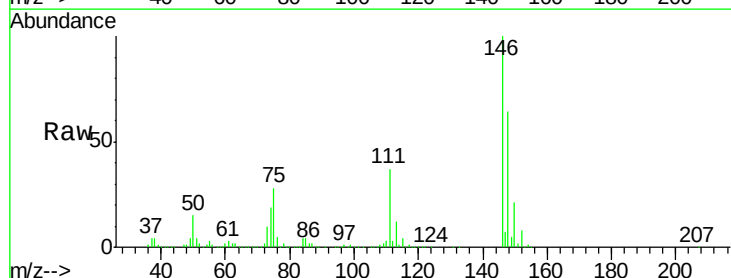
Manual Integrations
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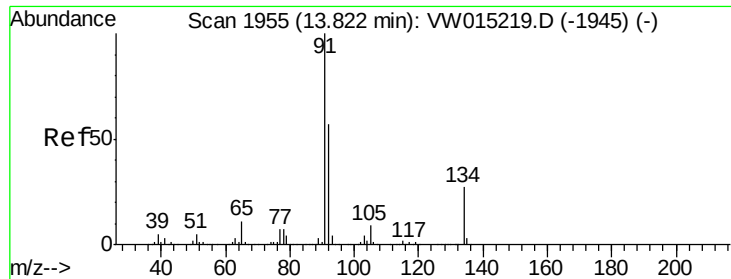
MMDadoda
 4/21/2020 10:01:34 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.339 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	285818		
111	38.5	20.4	61.3	
148	64.5	31.5	94.5	





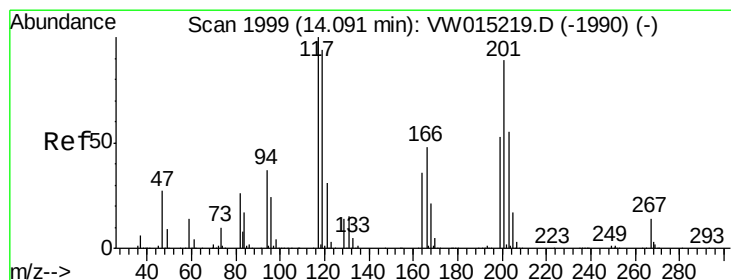
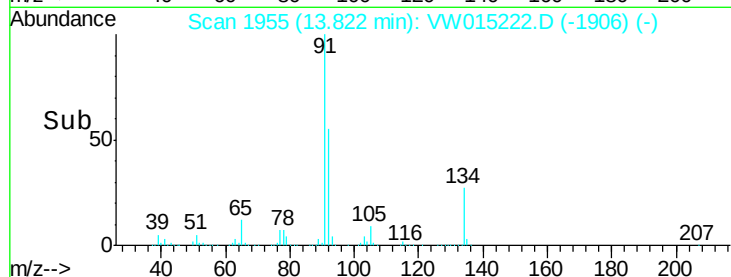
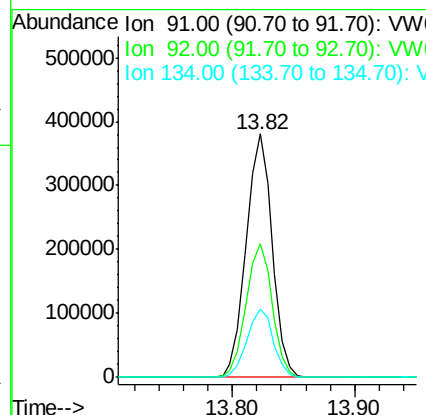
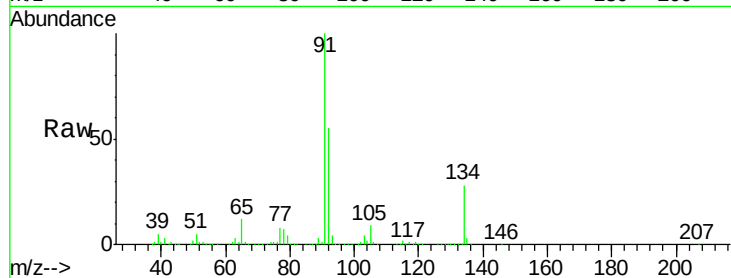
#89
n-Butylbenzene
Concen: 48.913 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.1	27.6	82.7	
134	28.4	12.8	38.3	

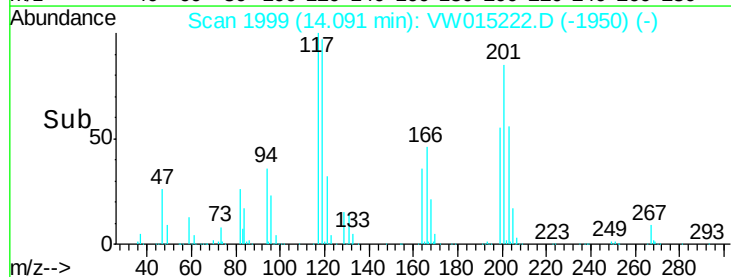
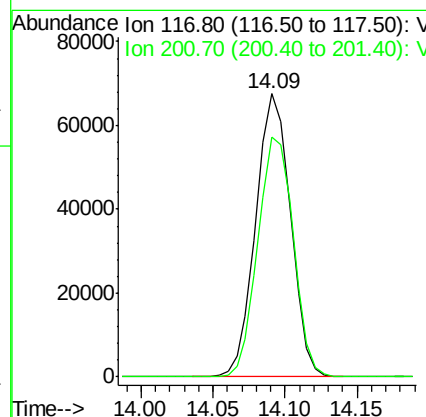
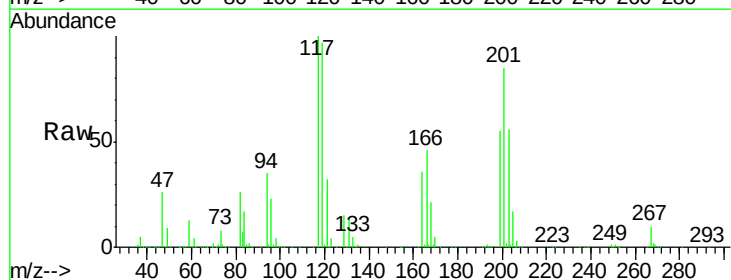
Manual Integrations
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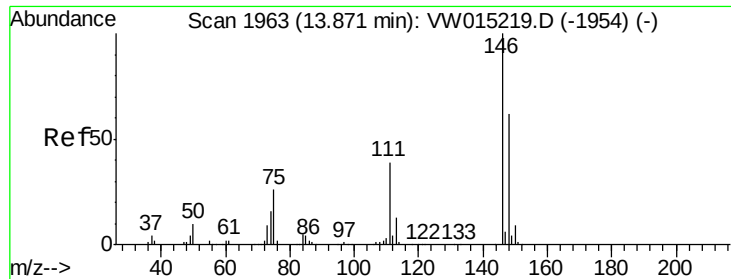
MMDadoda
4/21/2020 10:01:34 AM



#90
Hexachloroethane
Concen: 49.217 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.4	33.6	100.6	





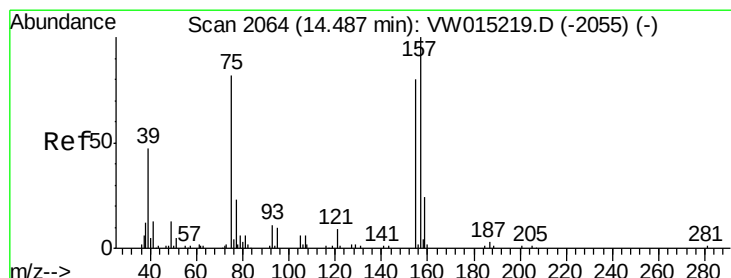
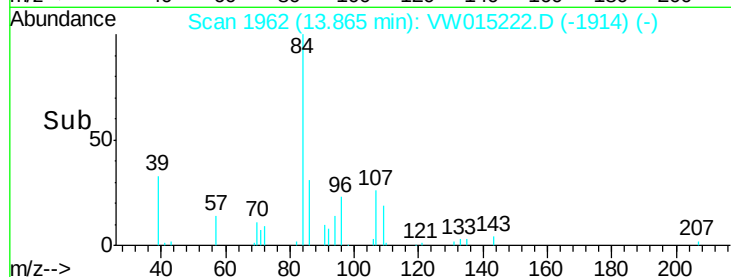
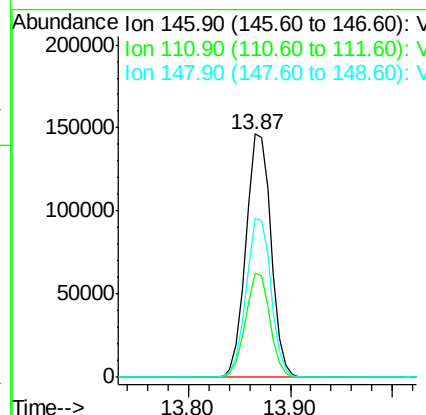
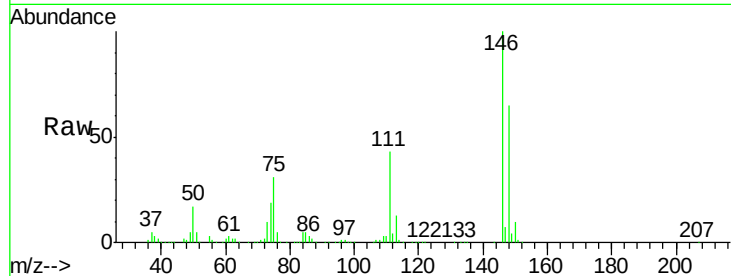
#91
 1,2-Dichlorobenzene
 Concen: 48.662 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW042020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.6	65.0
148	64.5	31.0	93.0

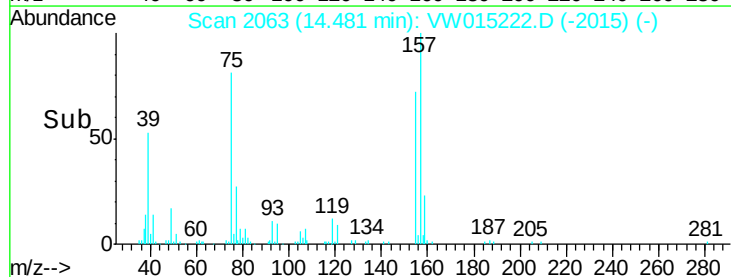
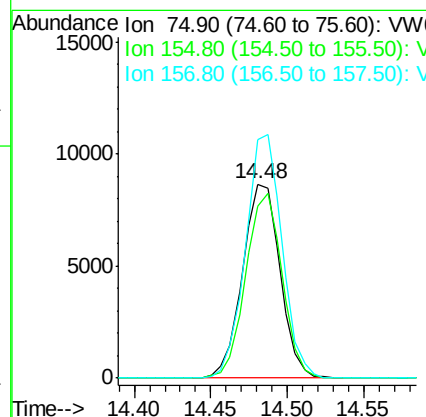
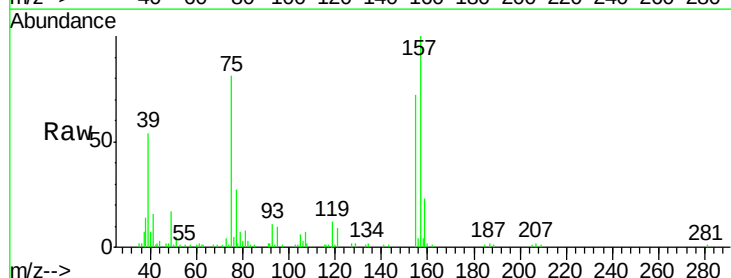
Manual Integrations
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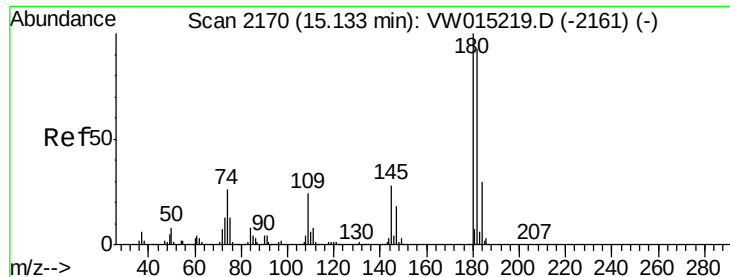
MMDadoda
 4/21/2020 10:01:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.383 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015222.D
 Acq: 20 Apr 2020 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	41.6	124.9
157	122.1	53.8	161.2





#93

1,2,4-Trichlorobenzene

Concen: 49.368 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW015222.D

Acq: 20 Apr 2020 14:33

Instrument :

MSVOA_W

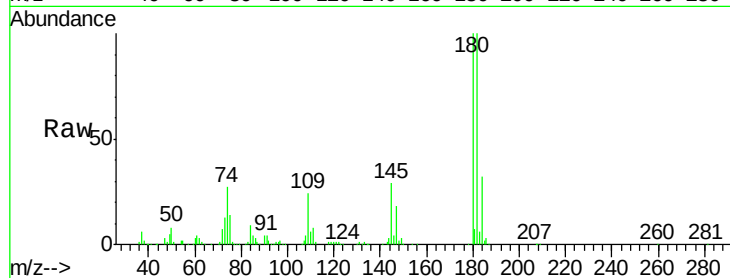
ClientSampleId :

ICVW042020

Tot Ion:	180	Resp:	176215
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.1	141.4
145	29.0	16.2	48.6

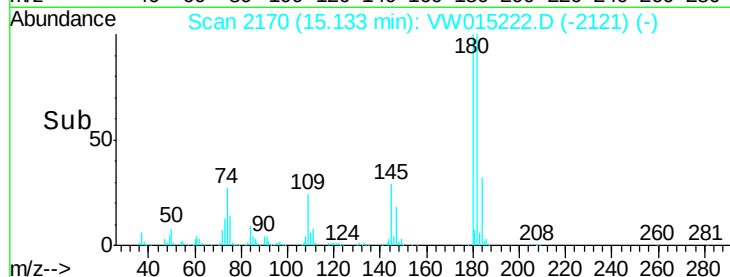
Manual Integrations
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MMDadoda
4/21/2020 10:01:34 AM

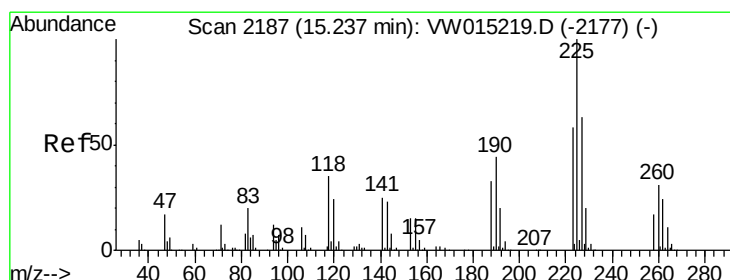


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

15.13



Time-->



#94

Hexachlorobutadiene

Concen: 48.656 ug/l

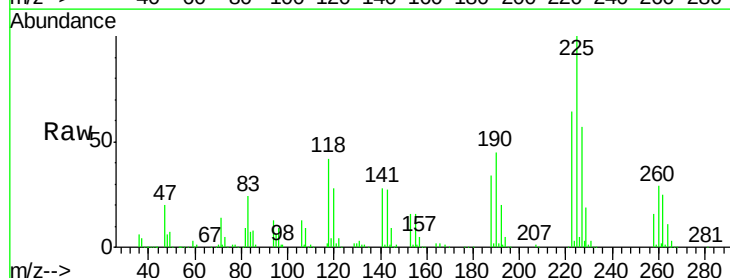
RT: 15.23 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VW015222.D

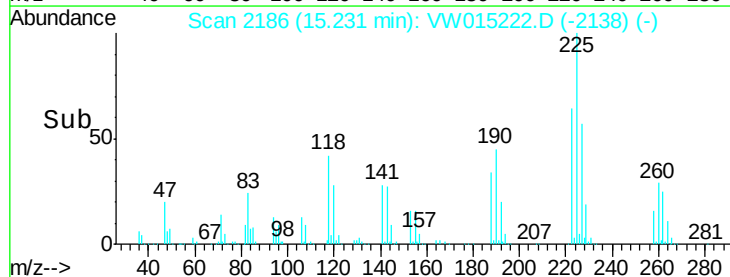
Acq: 20 Apr 2020 14:33

Tgt Ion:	225	Resp:	115788
Ion Ratio	Lower	Upper	
225	100		
223	64.7	31.0	93.0
227	63.8	30.8	92.3

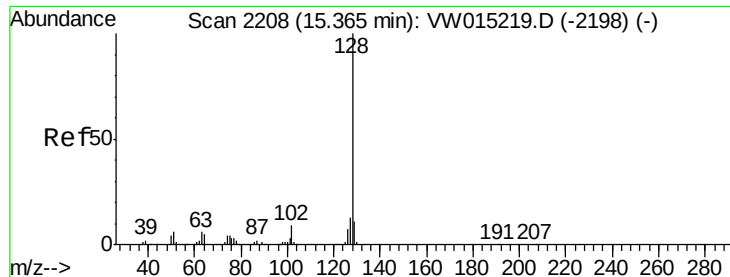


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

15.23



Time-->



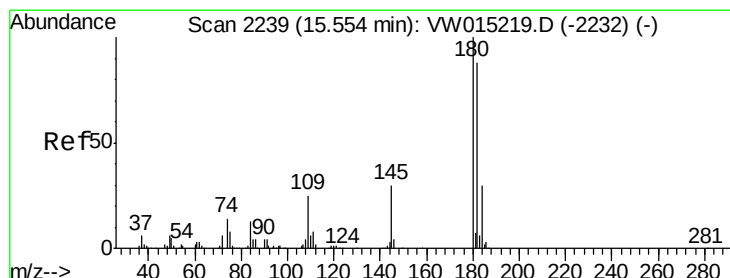
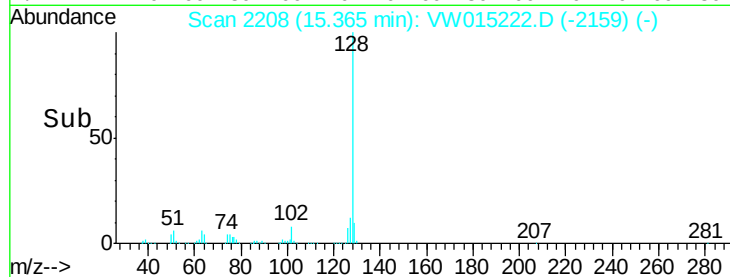
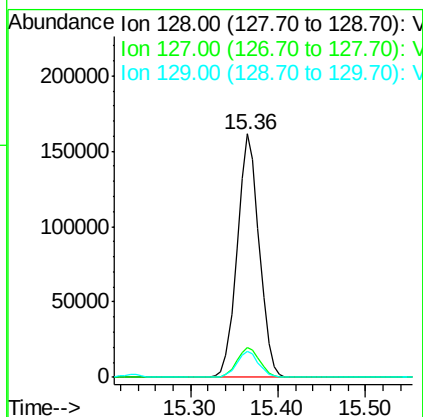
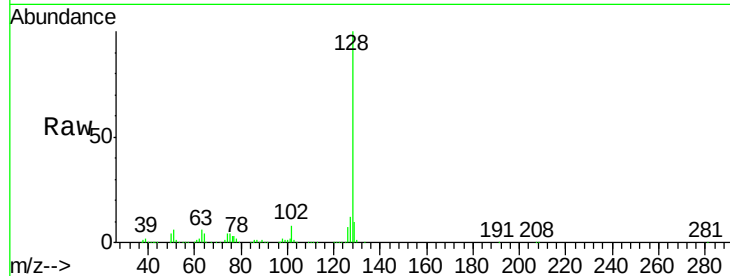
#95
Naphthalene
Concen: 49.165 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW042020

Tot Ion:	128	Resp:	282293
Ion Ratio		Lower	Upper
128	100		
127	12.6	10.3	15.5
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:34 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.924 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015222.D
Acq: 20 Apr 2020 14:33

Tgt Ion:	180	Resp:	144987
Ion Ratio		Lower	Upper
180	100		
182	96.1	48.8	146.3
145	31.7	17.2	51.6

