

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015227.D
 Acq On : 20 Apr 2020 17:10
 Operator : SY/VA
 Sample : VW0420SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:00:50 AM

Quant Time: Apr 21 07:15:48 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	240037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	318382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	165002	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	102268	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	7.89	113	99849	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.32	98	402352	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.62	95	148514	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.00	85	37107	19.576	ug/l	96
3) Chloromethane	2.22	50	40431	19.587	ug/l	98
4) Vinyl Chloride	2.36	62	47977	19.682	ug/l	100
5) Bromomethane	2.77	94	37183	21.454	ug/l	92
6) Chloroethane	2.92	64	28542	18.877	ug/l	98
7) Trichlorofluoromethane	3.27	101	68010	19.717	ug/l	98
8) Diethyl Ether	3.70	74	19174	19.804	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.07	101	42280	19.877	ug/l	93
10) Methyl Iodide	4.28	142	39406	17.638	ug/l	99
11) Tert butyl alcohol	5.17	59	15117	94.476	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	40229	19.649	ug/l	96
13) Acrolein	3.91	56	10662	127.311	ug/l	99
14) Allyl chloride	4.68	41	53194	19.585	ug/l #	87
15) Acrylonitrile	5.38	53	36853	100.023	ug/l	98
16) Acetone	4.13	43	28620	83.478	ug/l	100
17) Carbon Disulfide	4.39	76	120545	19.813	ug/l	99
18) Methyl Acetate	4.68	43	17020	18.755	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	97113	20.663	ug/l	95
20) Methylene Chloride	4.93	84	44688	19.888	ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	46075	19.843	ug/l	96
22) Diisopropyl ether	6.32	45	103914	19.943	ug/l	91
23) Vinyl Acetate	6.26	43	310884	101.673	ug/l	95
24) 1,1-Dichloroethane	6.23	63	72658	20.120	ug/l	98
25) 2-Butanone	7.18	43	44274	97.335	ug/l	92
26) 2,2-Dichloropropane	7.17	77	73436	19.330	ug/l	97
27) cis-1,2-Dichloroethene	7.18	96	49171	19.615	ug/l	98
28) Bromochloromethane	7.52	49	27812	21.183	ug/l #	77
29) Tetrahydrofuran	7.53	42	29168	102.927	ug/l	90
30) Chloroform	7.68	83	77338	19.843	ug/l	97
31) Cyclohexane	7.96	56	70766	19.495	ug/l #	89
32) 1,1,1-Trichloroethane	7.88	97	74946	19.924	ug/l	98
36) 1,1-Dichloropropene	8.09	75	63089	20.103	ug/l	99
37) Ethyl Acetate	7.26	43	20302	19.933	ug/l #	96
38) Carbon Tetrachloride	8.07	117	68473	19.965	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81522	19.516	ug/l	96
40) Benzene	8.33	78	166951	19.915	ug/l	97
41) Methacrylonitrile	7.49	41	11980	19.603	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	49142	19.912	ug/l	100
43) Isopropyl Acetate	8.43	43	43156	20.202	ug/l	96
44) Trichloroethene	9.09	130	51012	19.893	ug/l	95
45) 1,2-Dichloropropane	9.37	63	39249	20.132	ug/l	98
46) Dibromomethane	9.46	93	22364	19.831	ug/l #	89
47) Bromodichloromethane	9.65	83	60491	20.065	ug/l	99
48) Methyl methacrylate	9.44	41	19138	18.951	ug/l #	84
49) 1,4-Dioxane	9.45	88	5336	354.928	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	100387	100.108	ug/l	97
52) Toluene	10.39	92	112089	19.104	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	58294	19.610	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	68337	19.778	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30890	19.561	ug/l	98
56) Ethyl methacrylate	10.65	69	39694	19.512	ug/l	93
57) 1,3-Dichloropropane	10.93	76	51982	19.872	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	94716	100.426	ug/l	91
59) 2-Hexanone	10.97	43	67672	94.537	ug/l	97
60) Dibromochloromethane	11.13	129	41649	19.976	ug/l	99
61) 1,2-Dibromoethane	11.24	107	30750	19.956	ug/l	100
64) Tetrachloroethene	10.87	164	44087	19.402	ug/l	91
65) Chlorobenzene	11.66	112	121265	19.410	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	45352	20.197	ug/l	98
67) Ethyl Benzene	11.73	91	223454	19.179	ug/l	99
68) m/p-Xylenes	11.84	106	174444	38.198	ug/l	100
69) o-Xylene	12.16	106	81993	19.235	ug/l	100
70) Styrene	12.18	104	140571	19.346	ug/l	98
71) Bromoform	12.35	173	24806	19.606	ug/l #	99
73) Isopropylbenzene	12.46	105	230052	20.109	ug/l	99
74) N-amyl acetate	12.27	43	41017	20.608	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	32689	20.125	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	27362m	21.436	ug/l	
77) Bromobenzene	12.74	156	51918	19.753	ug/l	85
78) n-propylbenzene	12.80	91	264690	19.871	ug/l	97
79) 2-Chlorotoluene	12.89	91	150016	19.984	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	194843	19.771	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12187	20.871	ug/l	95
82) 4-Chlorotoluene	12.99	91	156406	19.624	ug/l	97
83) tert-Butylbenzene	13.21	119	172701	20.050	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	193824	19.940	ug/l	100
85) sec-Butylbenzene	13.38	105	234565	19.719	ug/l	98
86) p-Isopropyltoluene	13.50	119	218543	19.772	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	103958	19.906	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	103246	20.168	ug/l	99
89) n-Butylbenzene	13.82	91	197578	19.556	ug/l	98
90) Hexachloroethane	14.09	117	40593	20.025	ug/l	76
91) 1,2-Dichlorobenzene	13.87	146	90125	19.859	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5985	20.361	ug/l	90

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	61707	19.562	ug/l	98
94) Hexachlorobutadiene	15.24	225	40830	19.415	ug/l	99
95) Naphthalene	15.36	128	103051	20.309	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	50289	19.595	ug/l	97

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

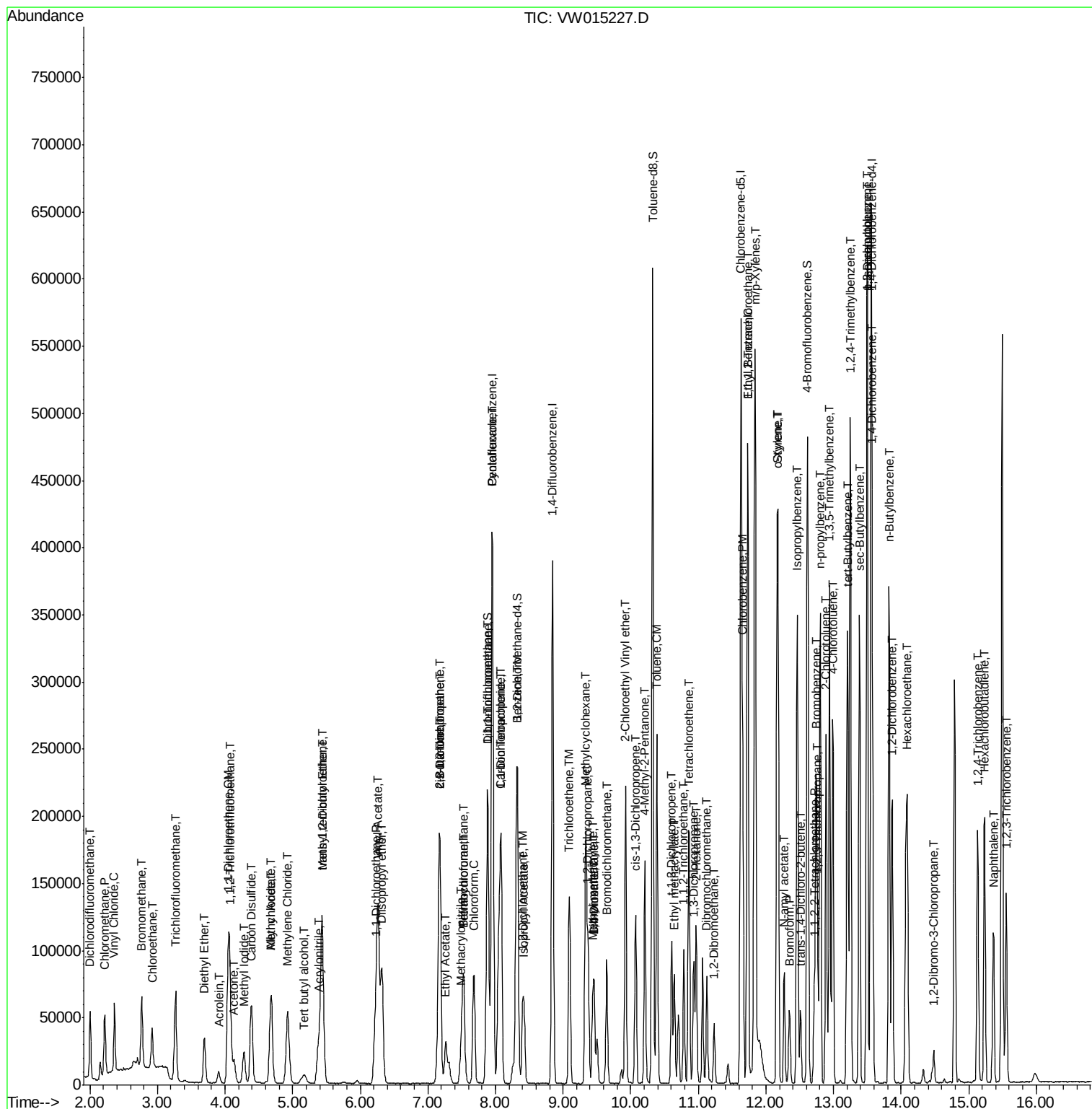
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW042020\
Data File : VW015227.D
Acq On : 20 Apr 2020 17:10
Operator : SY/VA
Sample : VW0420SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 14 Sample Multiplier: 1

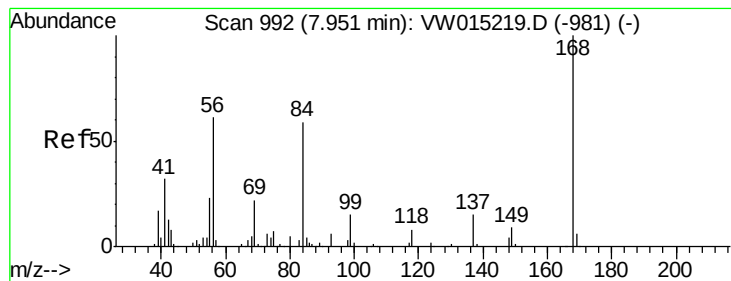
Instrument :
MSVOA_W
ClientSampleId :
VW0420SBSD01

Manual Integrations
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MMDadoda
4/21/2020 10:00:50 AM

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion:168 Resp: 240037

Ion Ratio Lower Upper

168 100

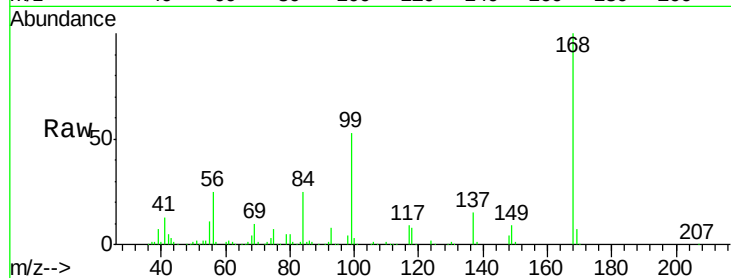
99 53.1 48.5 72.7

Manual Integrations

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4/21/2020 10:00:50 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

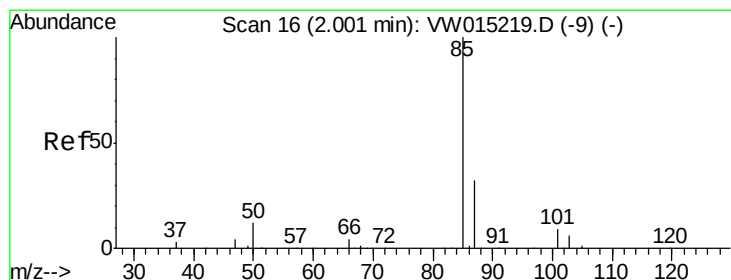
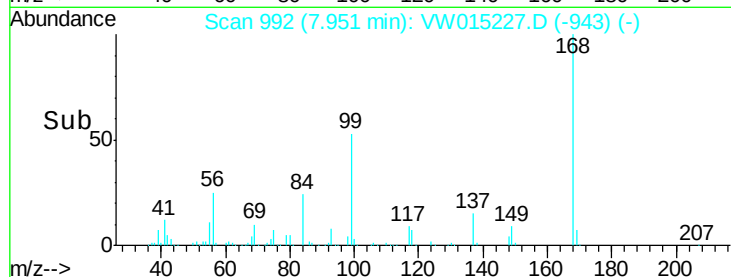
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.576 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015227.D

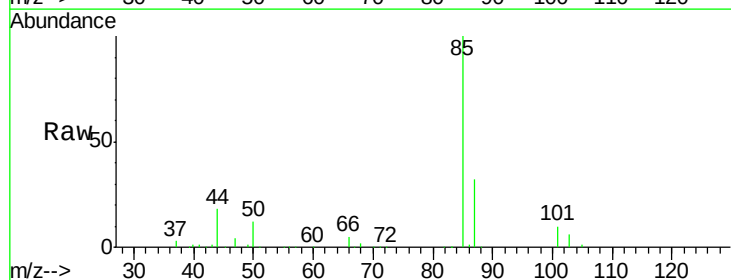
Acq: 20 Apr 2020 17:10

Tgt Ion: 85 Resp: 37107

Ion Ratio Lower Upper

85 100

87 32.3 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

25000

20000

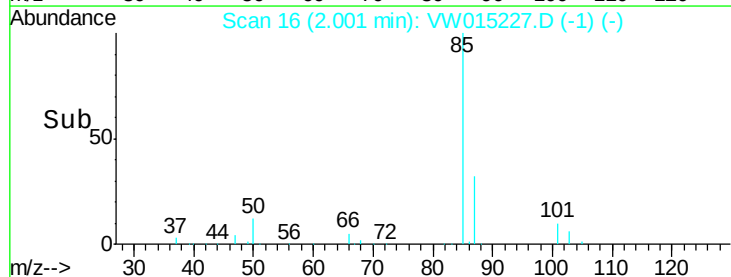
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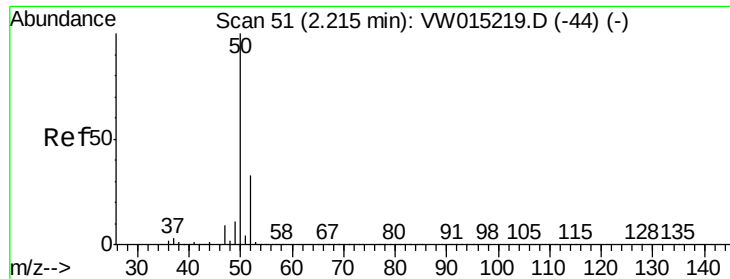
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 19.587 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion: 50 Resp: 40431

Ion Ratio Lower Upper

50 100

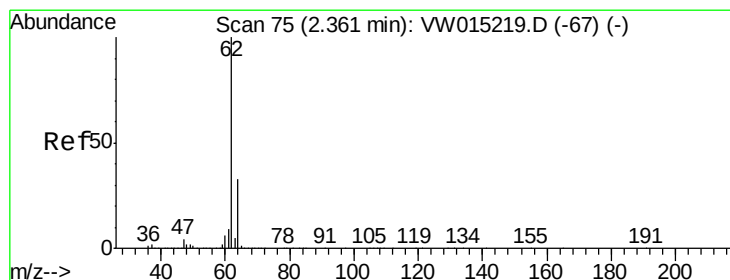
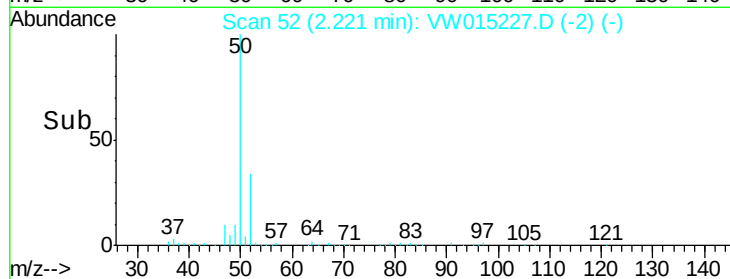
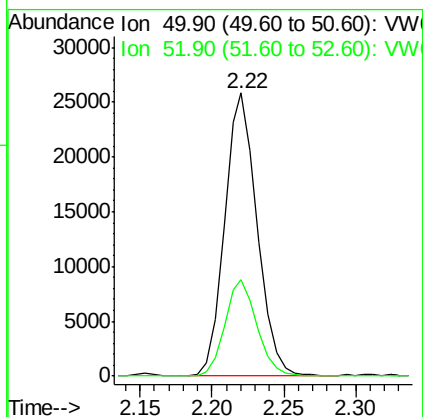
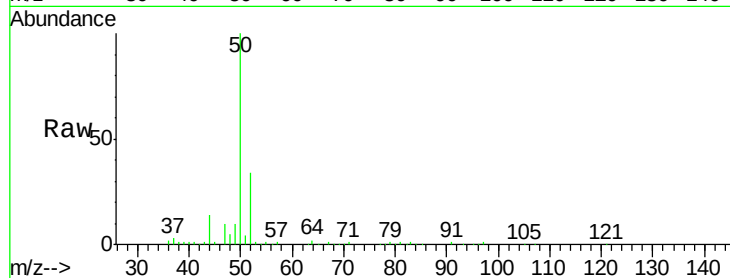
52 34.1 26.5 39.7

Manual Integrations

APPROVED

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#4

Vinyl Chloride

Concen: 19.682 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015227.D

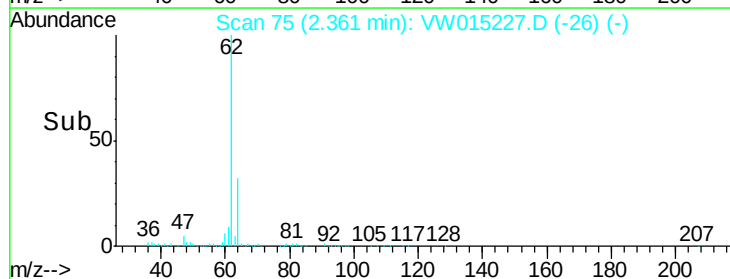
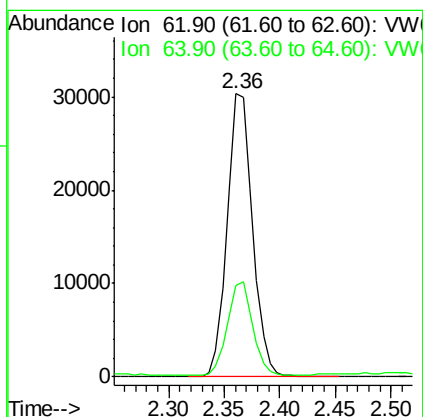
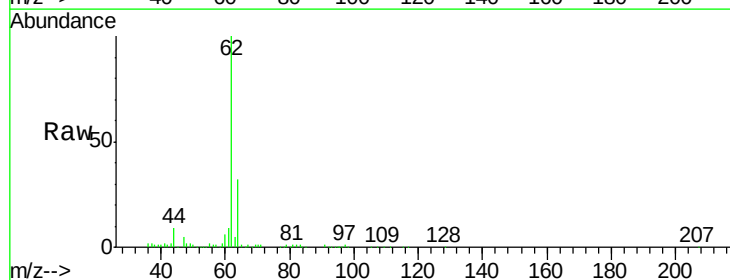
Acq: 20 Apr 2020 17:10

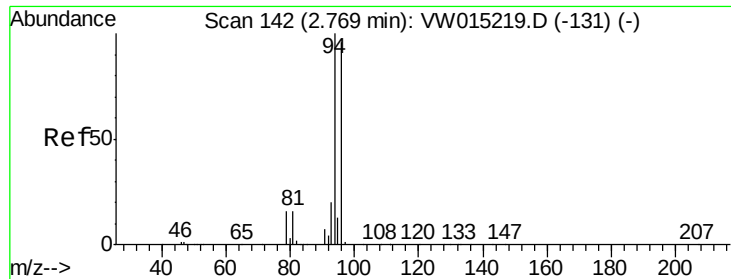
Tgt Ion: 62 Resp: 47977

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 21.454 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion: 94 Resp: 37183

Ion Ratio Lower Upper

94 100

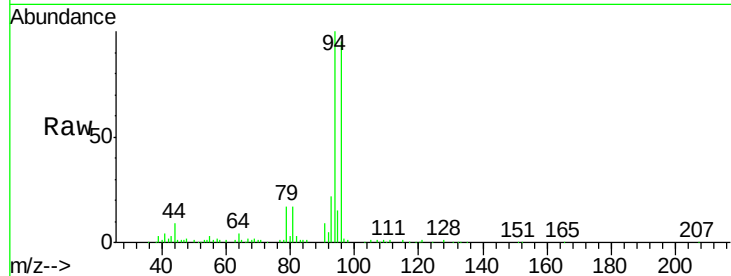
96 95.1 70.4 105.6

Manual Integrations

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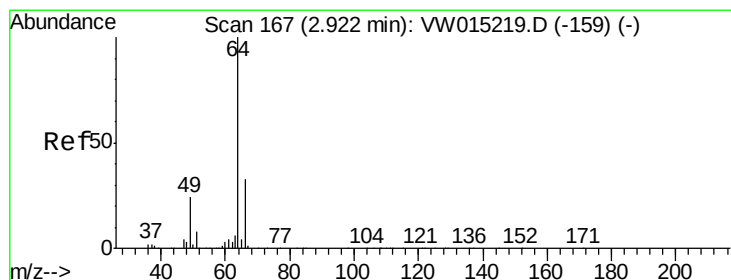
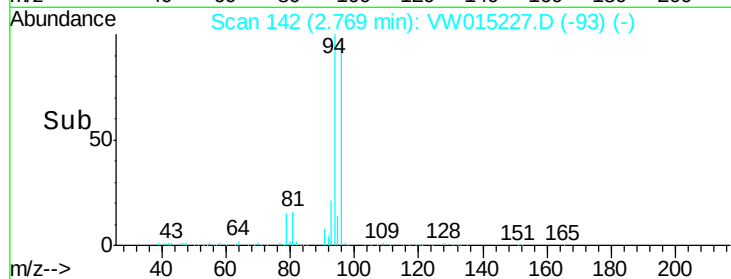
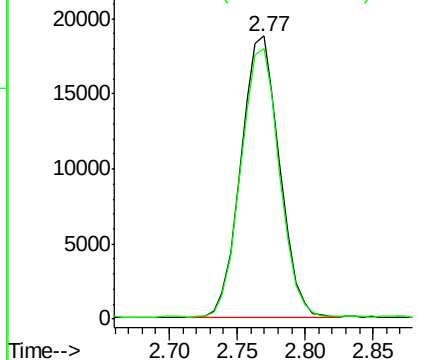
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.877 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015227.D

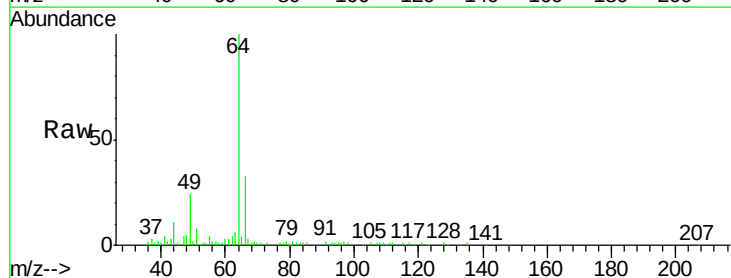
Acq: 20 Apr 2020 17:10

Tgt Ion: 64 Resp: 28542

Ion Ratio Lower Upper

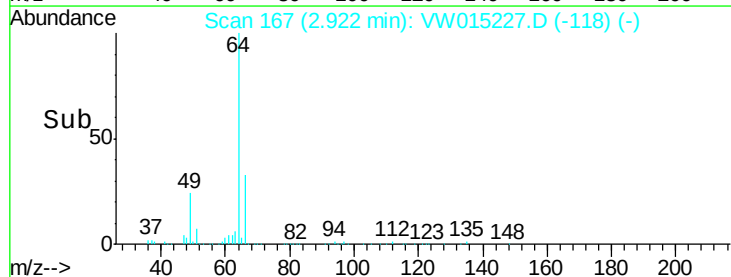
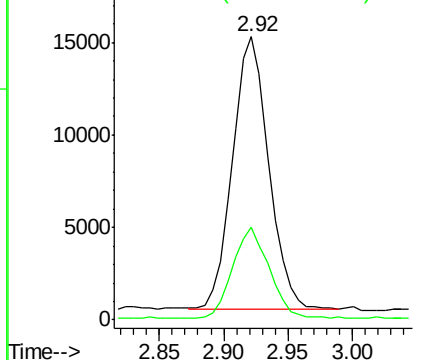
64 100

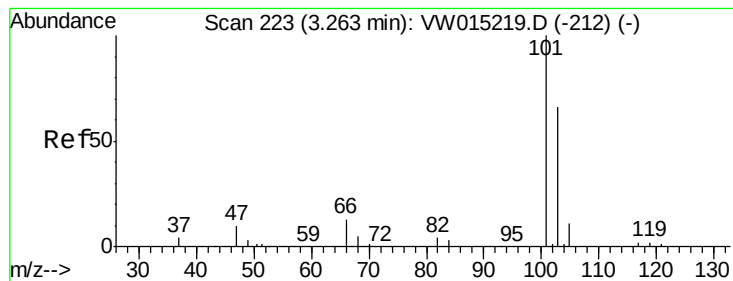
66 33.5 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

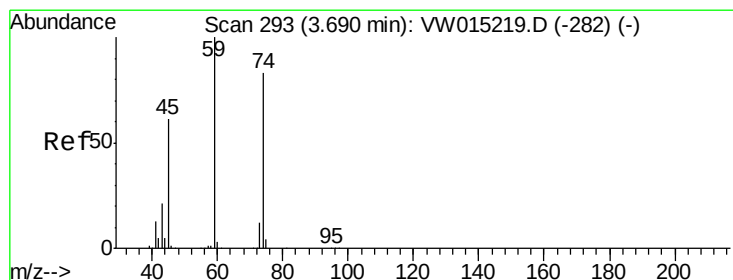
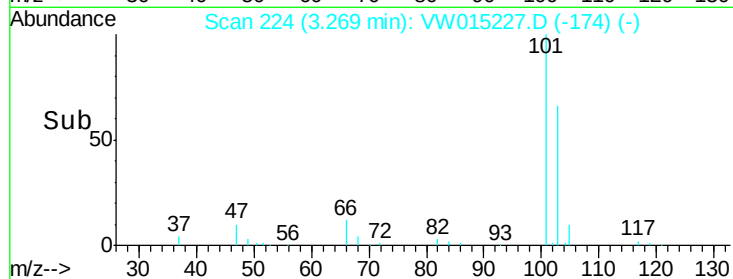
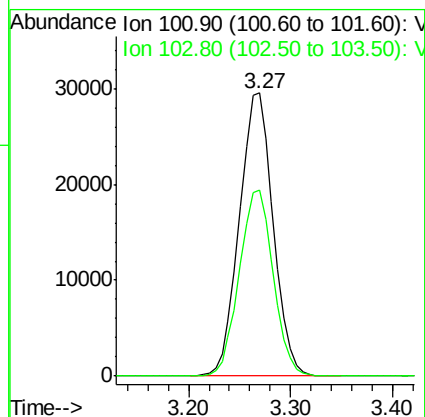
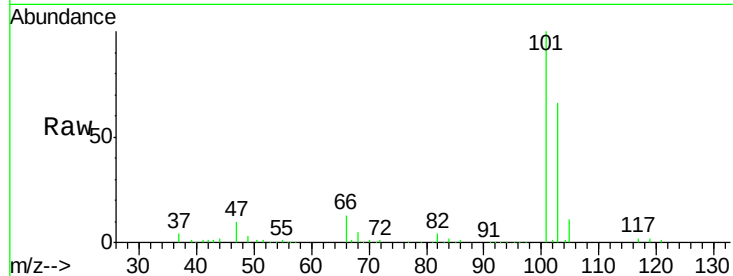
Trichlorofluoromethane
Concen: 19.717 ug/l
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.3	76.9

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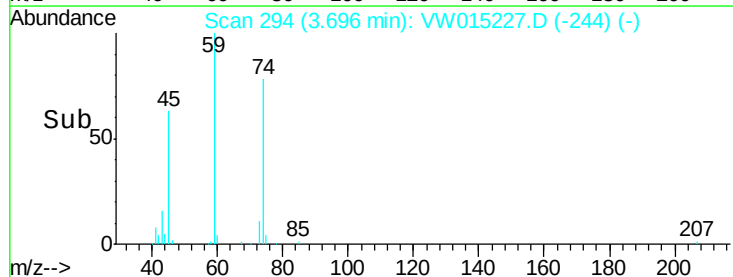
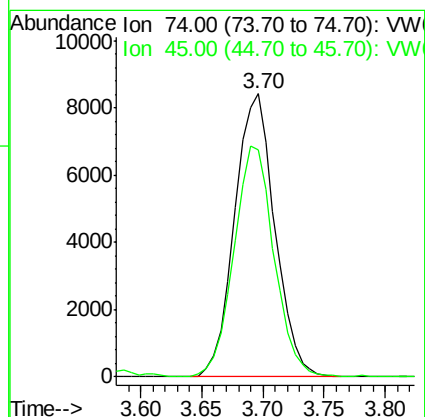
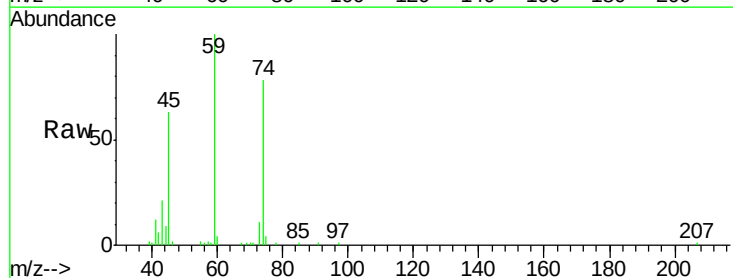
MMDadoda
4/21/2020 10:00:50 AM

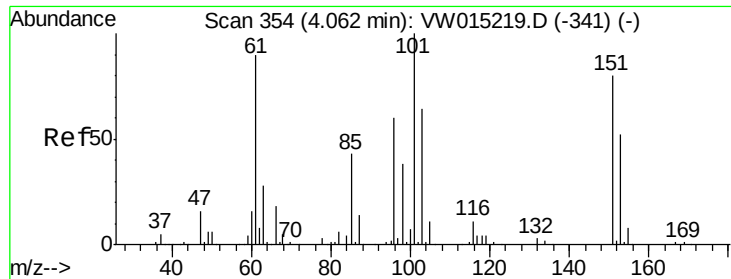


#8

Diethyl Ether
Concen: 19.804 ug/l
RT: 3.70 min Scan# 294
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.5	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.877 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

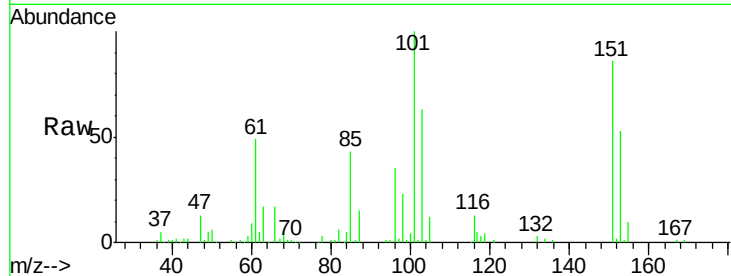
ClientSampleId :

VW0420SBS01

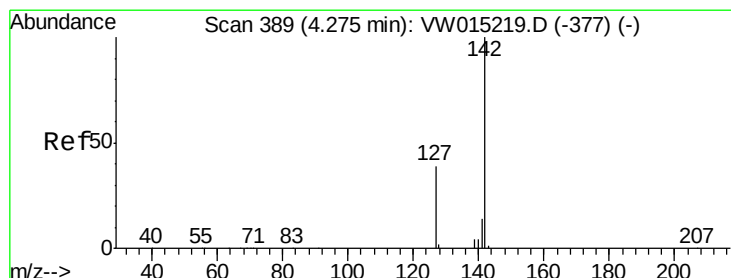
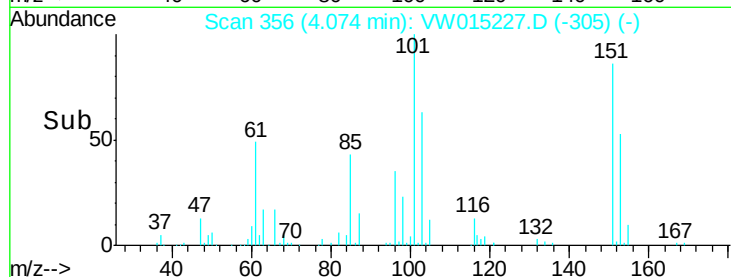
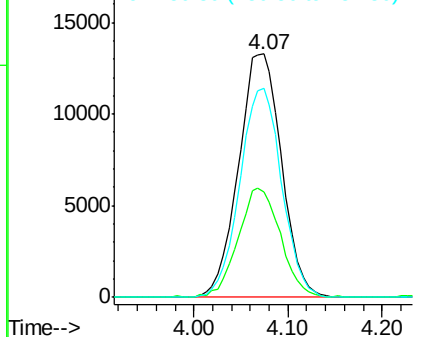
Tot Ion:	101	Resp:	42280
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.3	52.9
151	83.5	59.3	88.9

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.638 ug/l

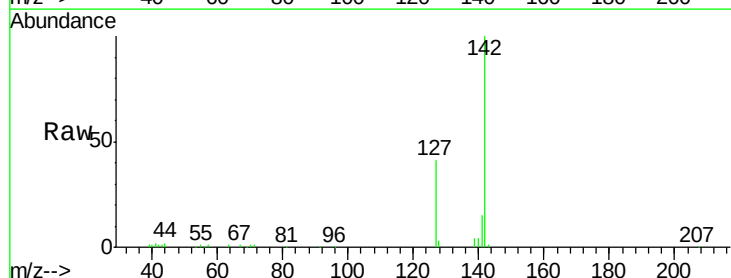
RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

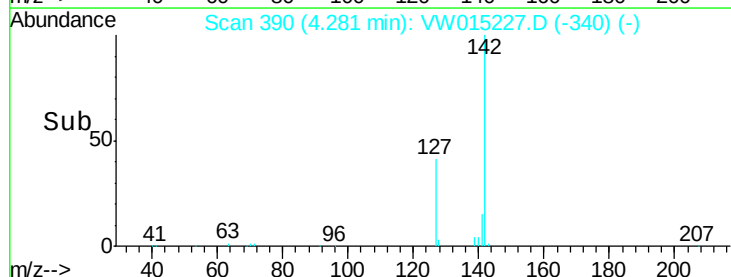
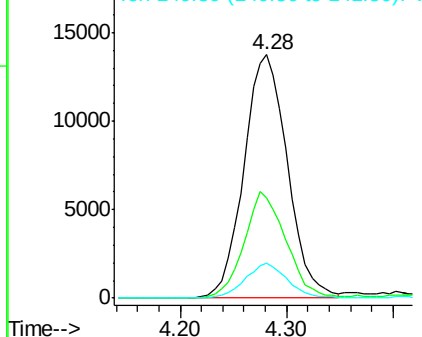
Lab File: VW015227.D

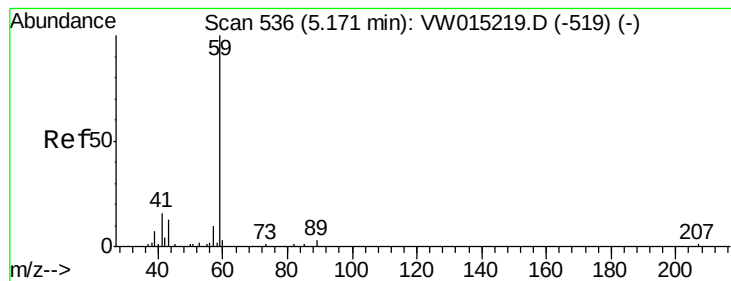
Acq: 20 Apr 2020 17:10

Tgt Ion:	142	Resp:	39406
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.9	50.9
141	13.8	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 94.476 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion: 59 Resp: 15117

Ion Ratio Lower Upper

59 100

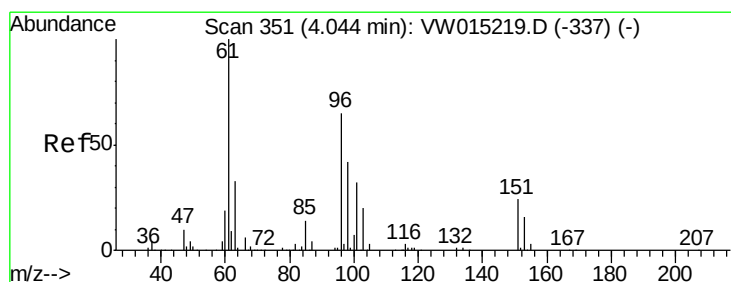
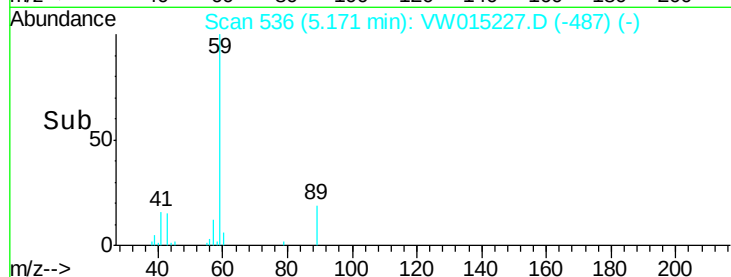
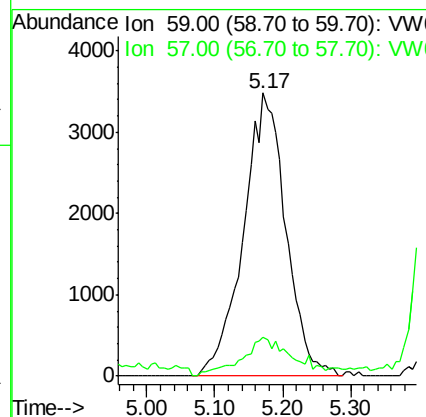
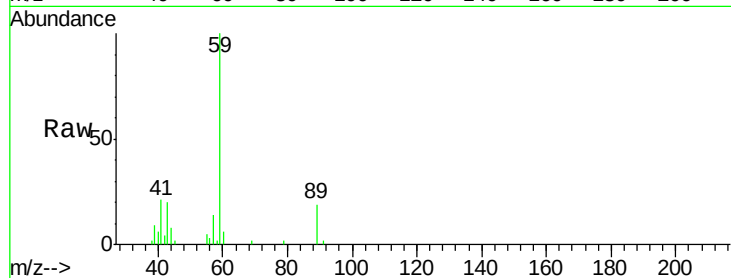
57 14.6 8.4 12.6#

Manual Integrations

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MMDadoda

4/21/2020 10:00:50 AM



#12

1,1-Dichloroethene

Concen: 19.649 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

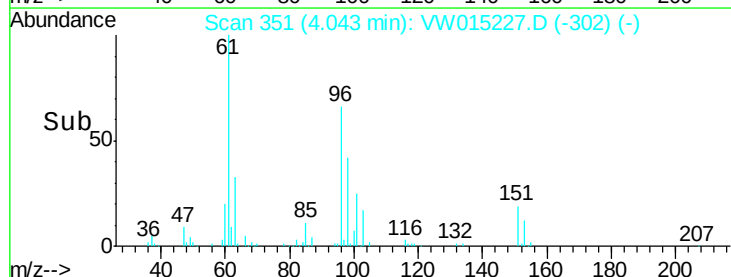
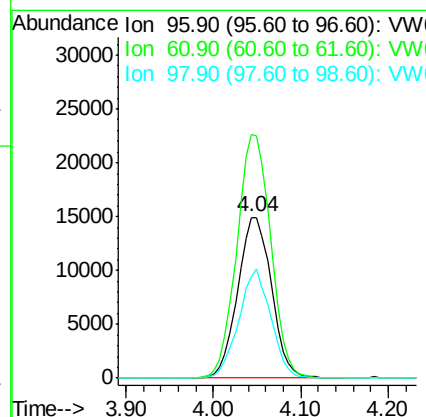
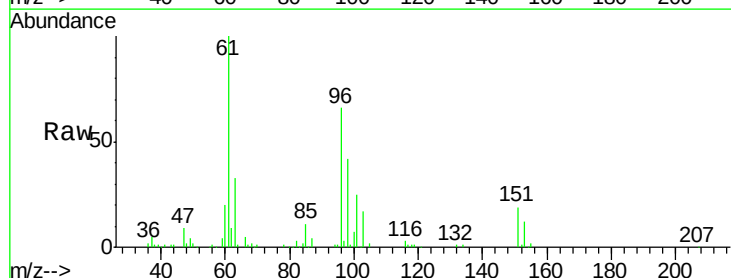
Tgt Ion: 96 Resp: 40229

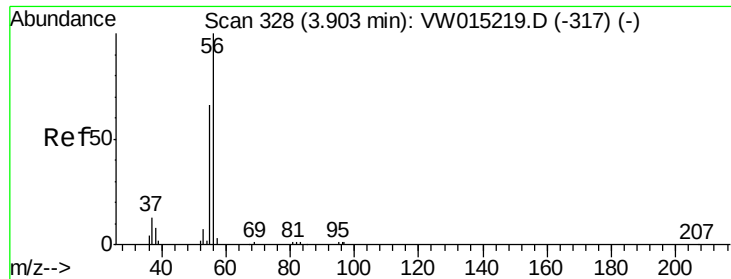
Ion Ratio Lower Upper

96 100

61 151.3 127.0 190.4

98 63.1 51.0 76.4





#13

Acrolein

Concen: 127.311 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion: 56 Resp: 10662

Ion Ratio Lower Upper

56 100

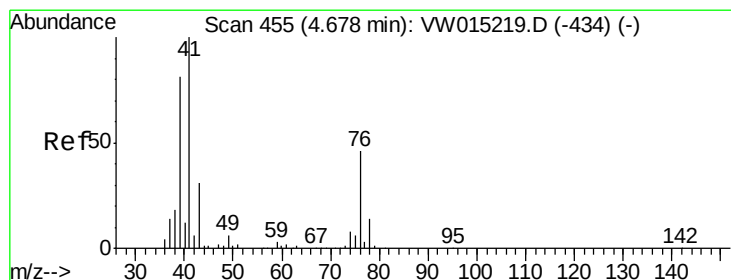
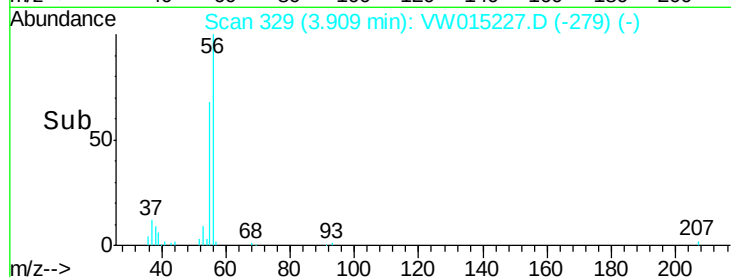
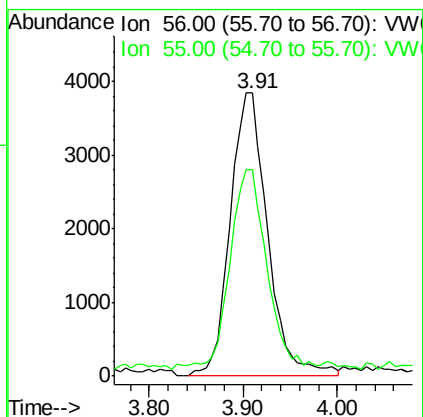
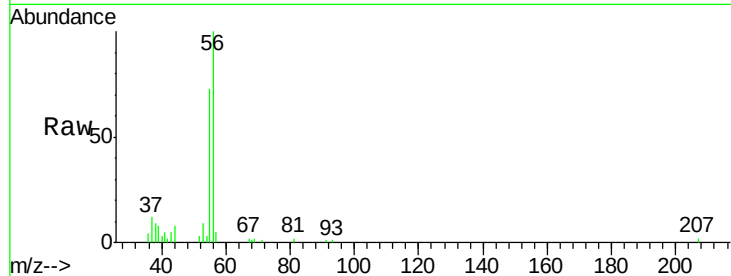
55 69.4 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.585 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

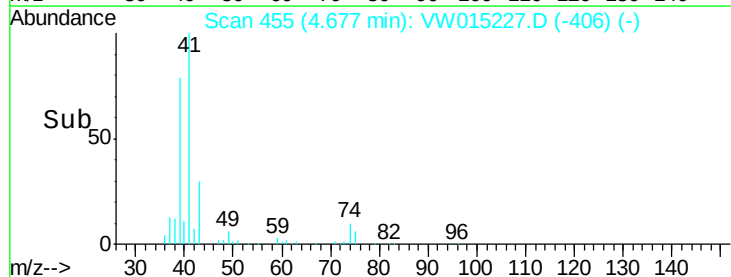
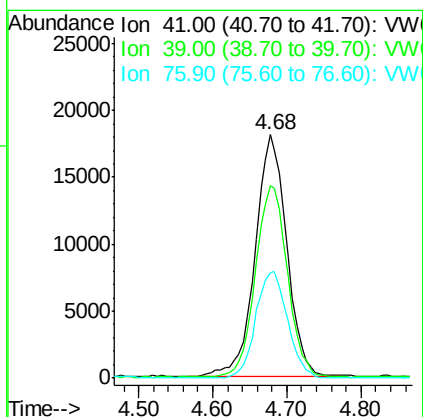
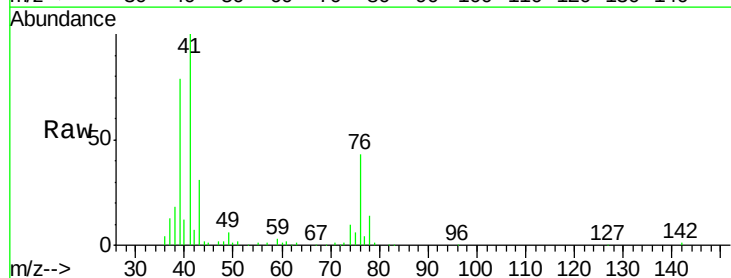
Tgt Ion: 41 Resp: 53194

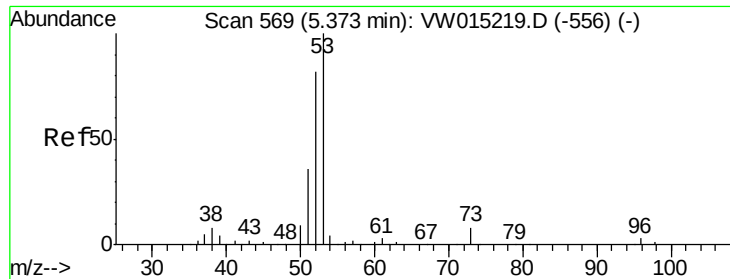
Ion Ratio Lower Upper

41 100

39 81.0 54.0 81.0#

76 44.5 31.8 47.6





#15

Acrylonitrile

Concen: 100.023 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

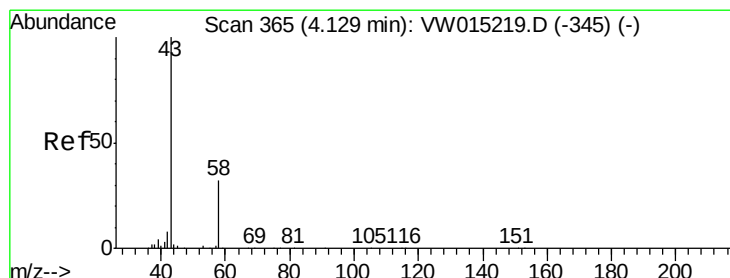
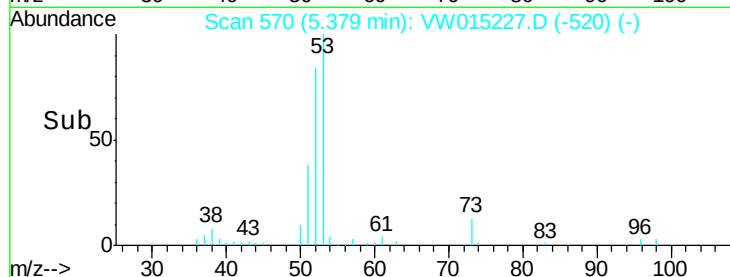
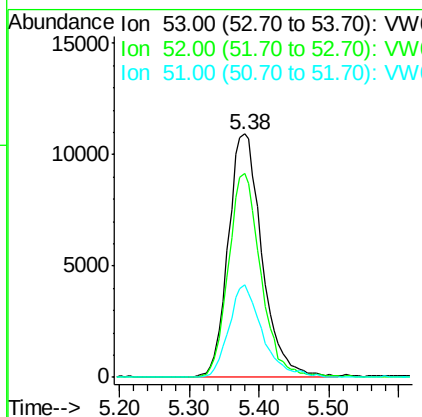
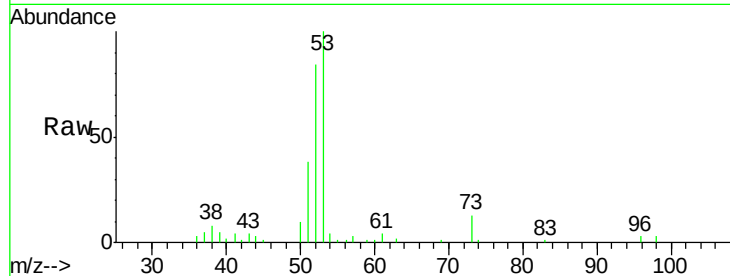
ClientSampleId :

VW0420SBS01

Tot Ion:	53	Resp:	36853
Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.2	97.8
51	37.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 83.478 ug/l

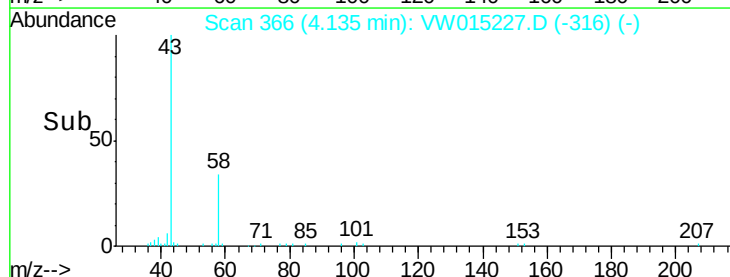
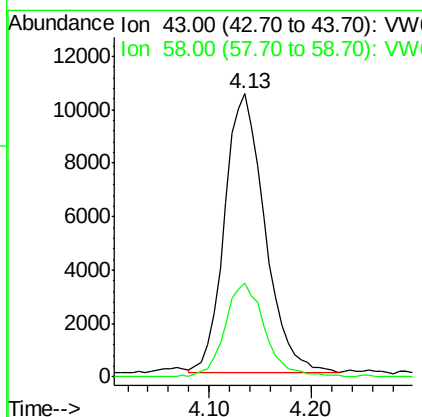
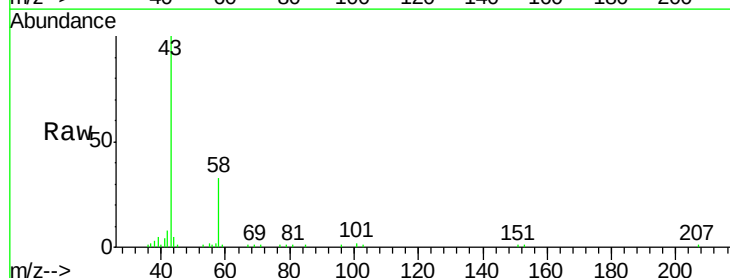
RT: 4.13 min Scan# 366

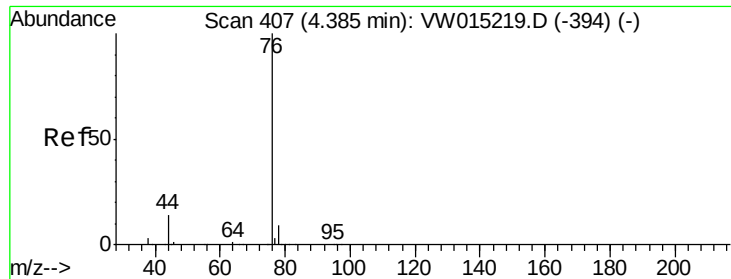
Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Tgt Ion:	43	Resp:	28620
Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.0	40.4





#17

Carbon Disulfide

Concen: 19.813 ug/l

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBSD01

Tot Ion: 76 Resp: 120545

Ion Ratio Lower Upper

76 100

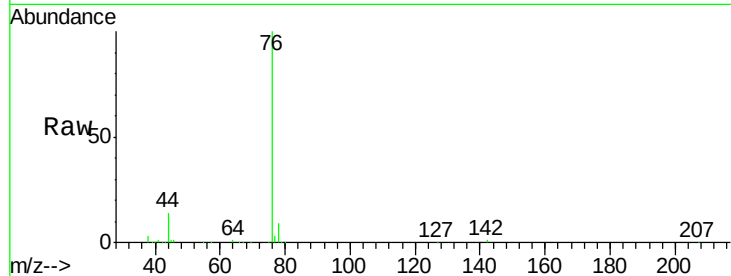
78 9.2 7.0 10.6

Manual Integrations

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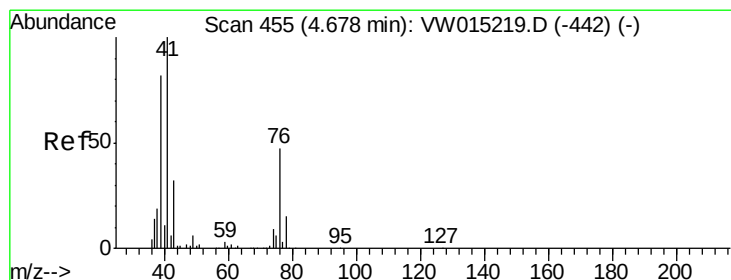
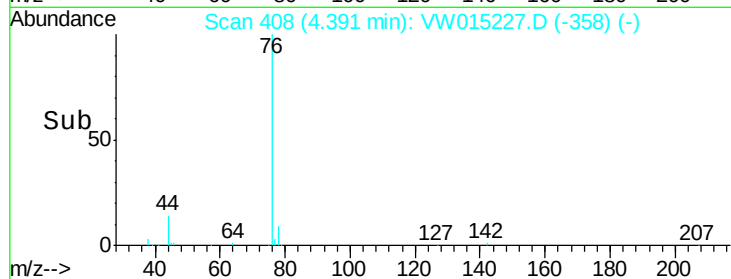
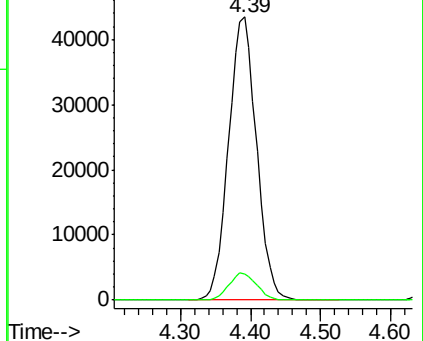
MMDadoda

4/21/2020 10:00:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 18.755 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW015227.D

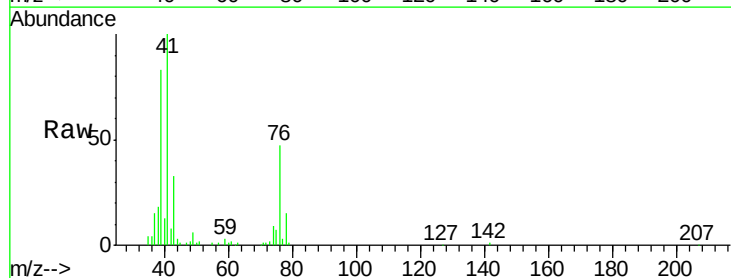
Acq: 20 Apr 2020 17:10

Tgt Ion: 43 Resp: 17020

Ion Ratio Lower Upper

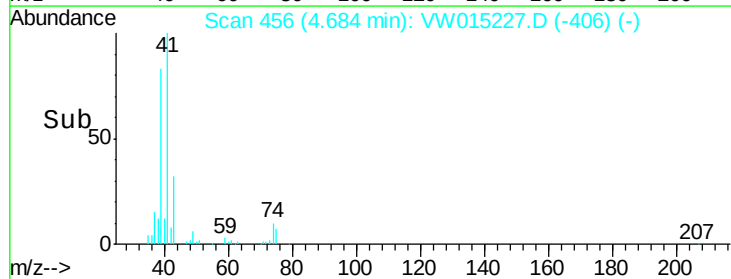
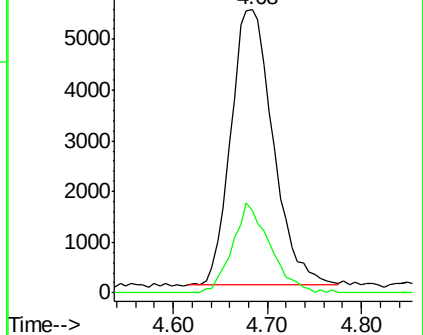
43 100

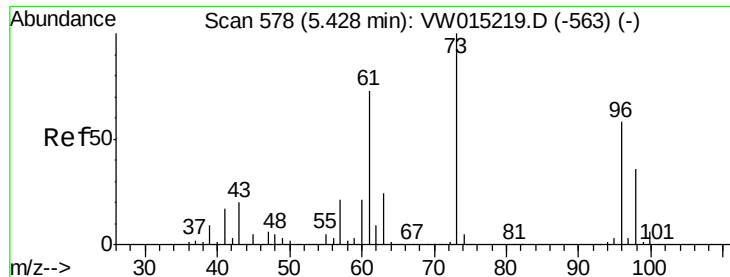
74 28.9 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





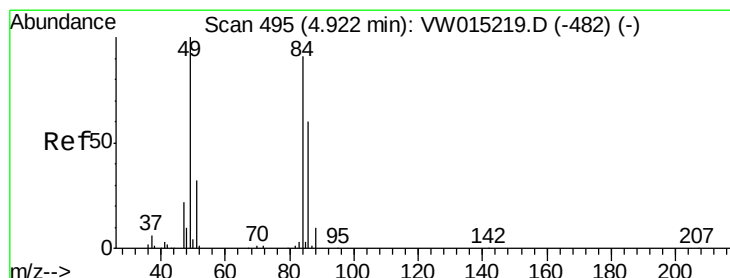
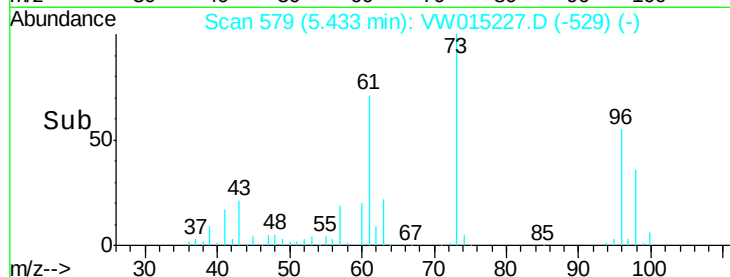
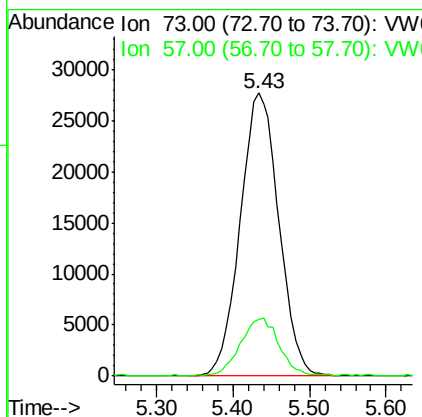
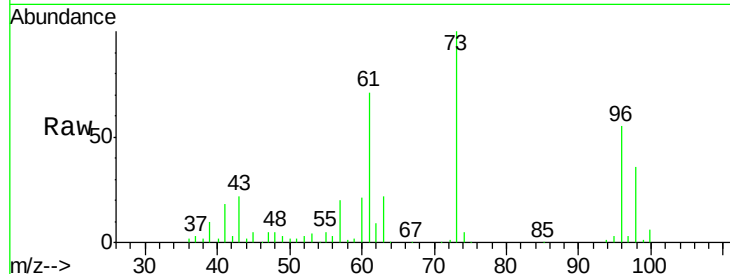
#19
Methyl tert-butyl Ether
Concen: 20.663 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion: 73 Resp: 97113
Ion Ratio Lower Upper
73 100
57 19.6 17.8 26.6

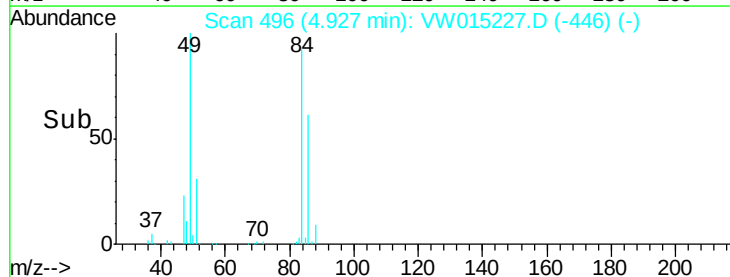
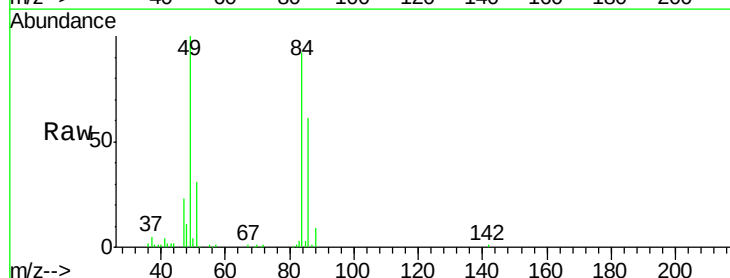
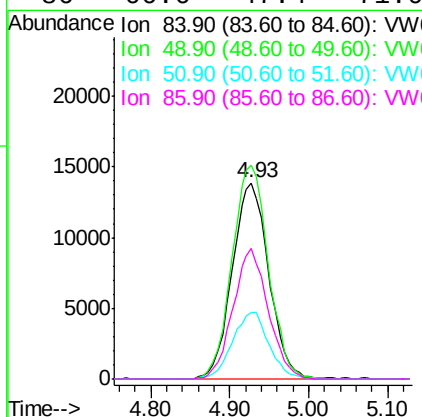
Manual Integrations
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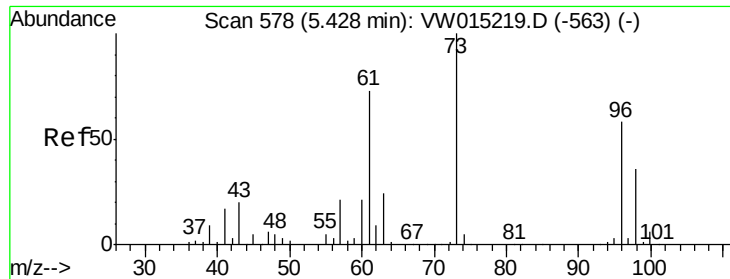
MMDadoda
4/21/2020 10:00:50 AM



#20
Methylene Chloride
Concen: 19.888 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion: 84 Resp: 44688
Ion Ratio Lower Upper
84 100
49 109.0 95.4 143.0
51 33.7 29.8 44.8
86 66.6 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 19.843 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion: 96 Resp: 46075

Ion Ratio Lower Upper

96 100

61 128.4 107.8 161.6

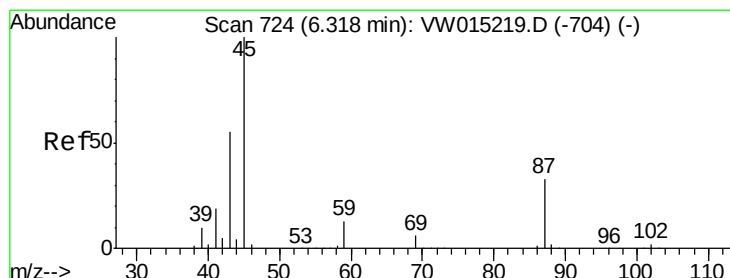
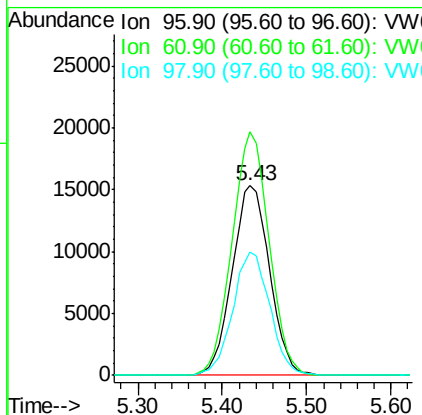
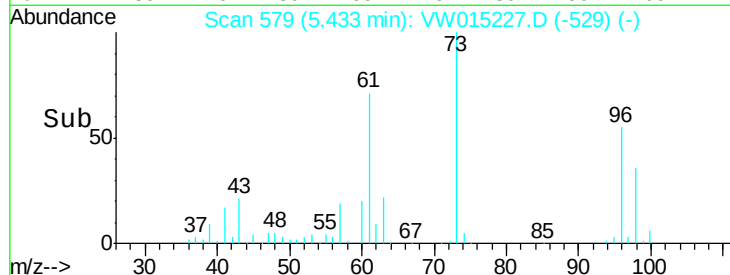
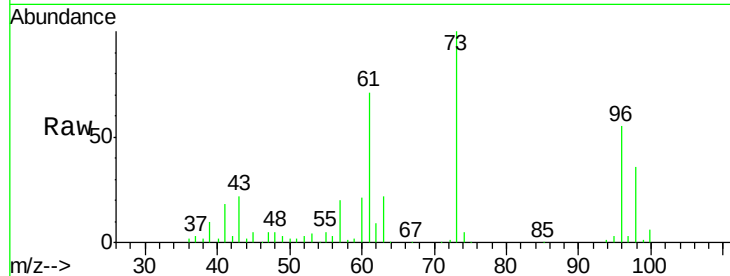
98 64.8 50.2 75.2

Manual Integrations

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MMDadoda

4/21/2020 10:00:50 AM



#22

Diisopropyl ether

Concen: 19.943 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Tgt Ion: 45 Resp: 103914

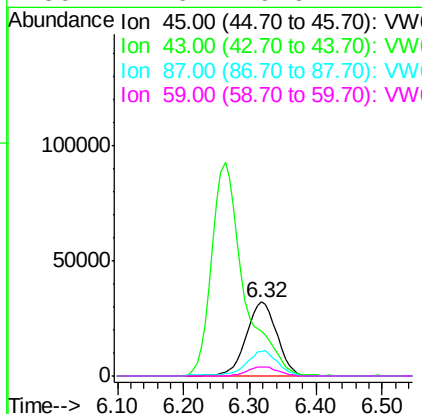
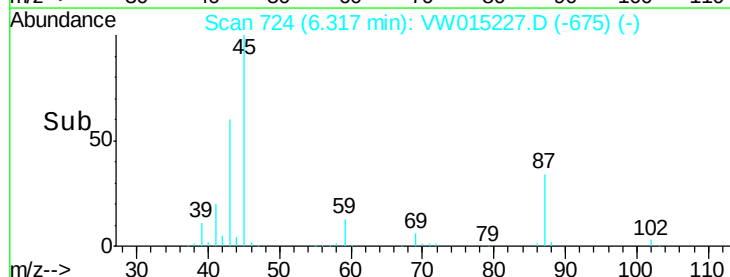
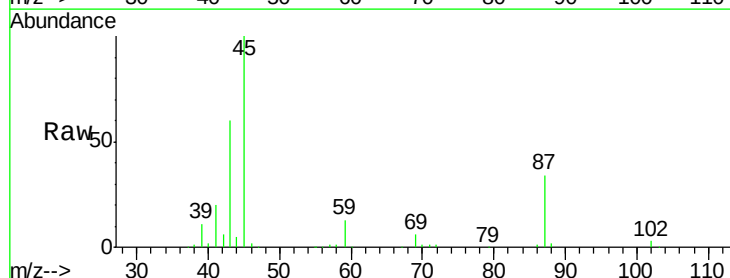
Ion Ratio Lower Upper

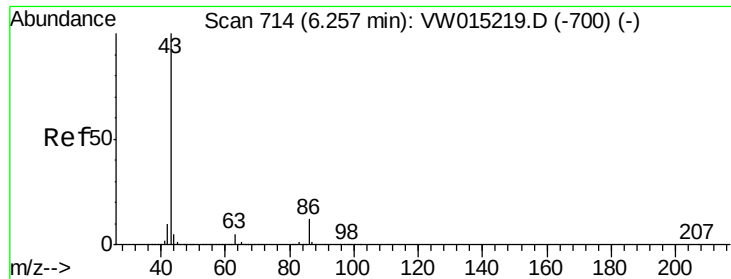
45 100

43 59.6 41.8 62.6

87 33.5 23.2 34.8

59 12.6 9.6 14.4





#23

Vinyl Acetate

Concen: 101.673 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampled :

VW0420SBS01

Tot Ion: 43 Resp: 310884

Ion Ratio Lower Upper

43 100

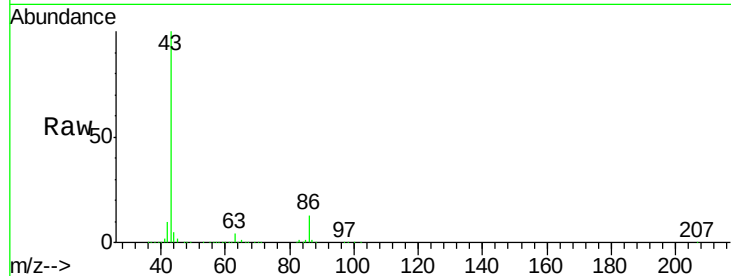
86 13.3 9.1 13.7

Manual Integrations

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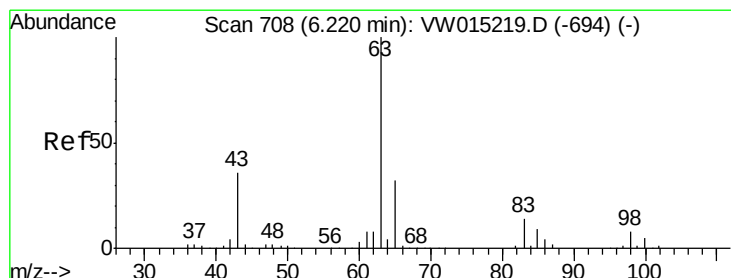
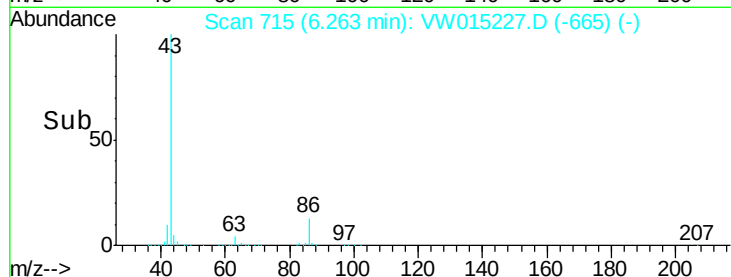
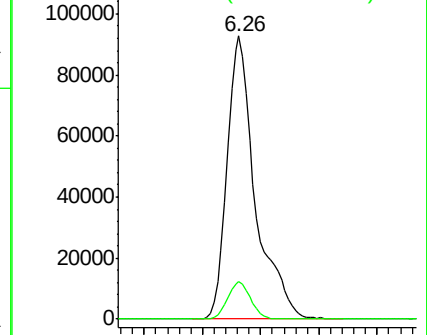
MMDadoda

4/21/2020 10:00:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.120 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

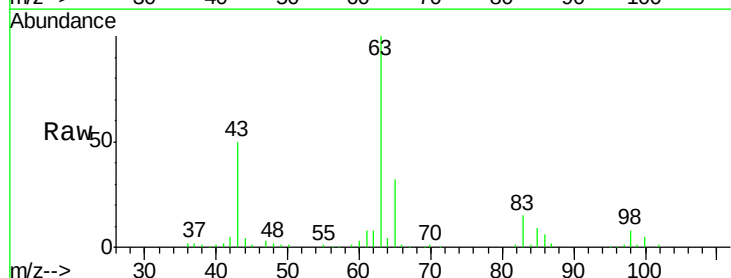
Tgt Ion: 63 Resp: 72658

Ion Ratio Lower Upper

63 100

98 8.4 3.6 10.9

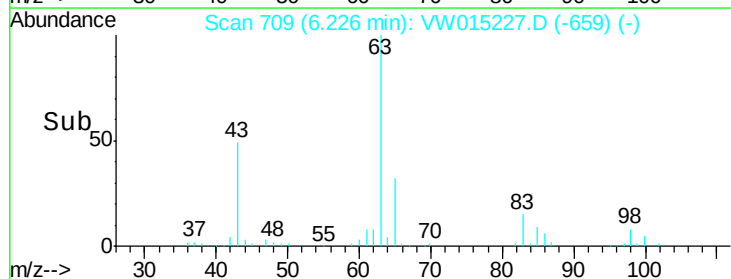
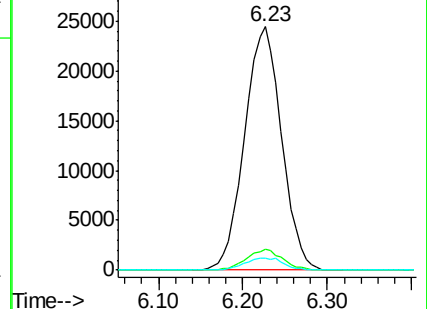
100 5.1 2.4 7.2

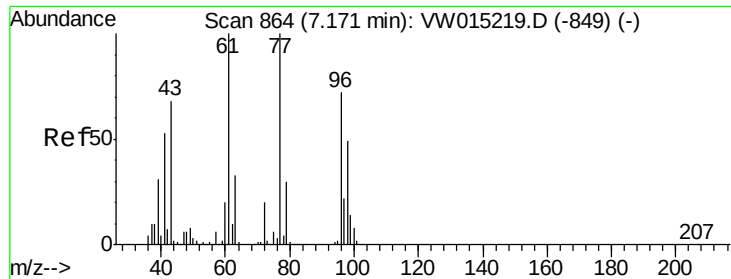


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





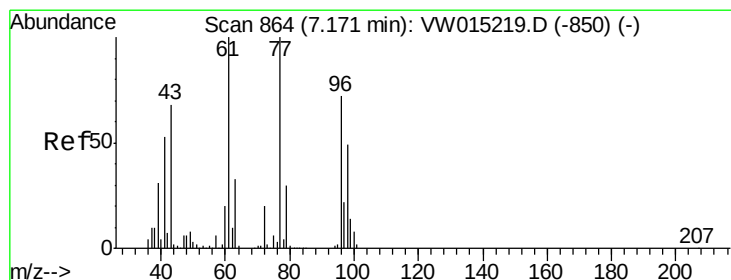
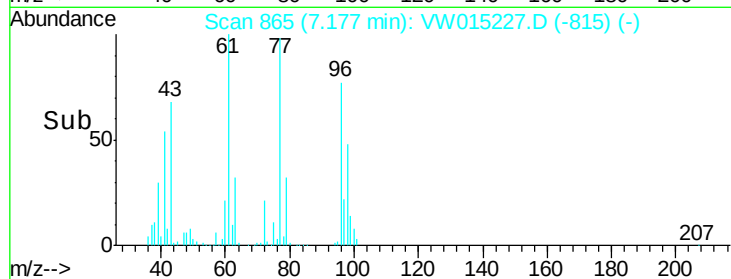
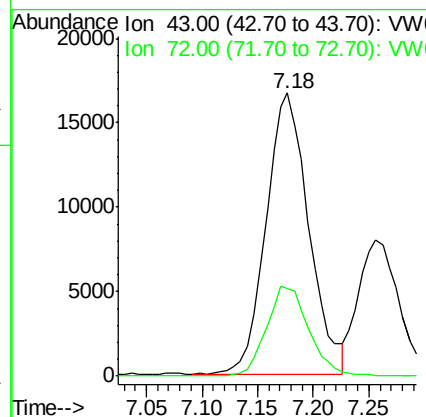
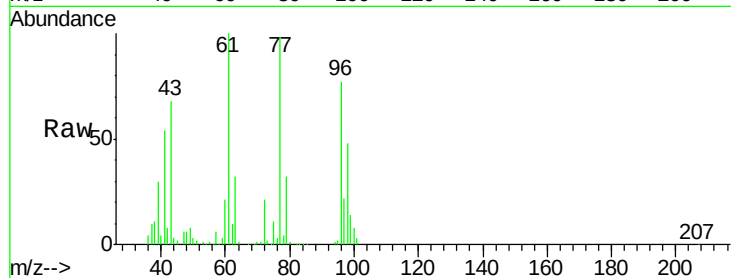
#25
2-Butanone
Concen: 97.335 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	43	Resp	44274
Ion Ratio	100	Lower	Upper
72	31.4	21.6	32.4

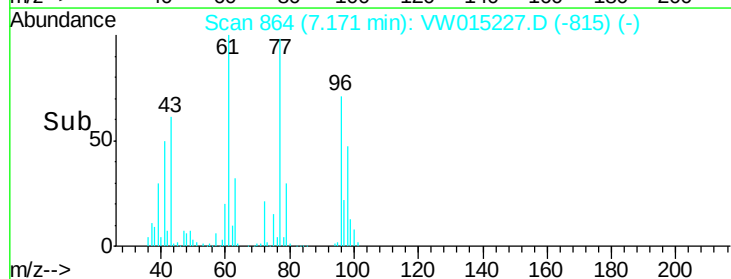
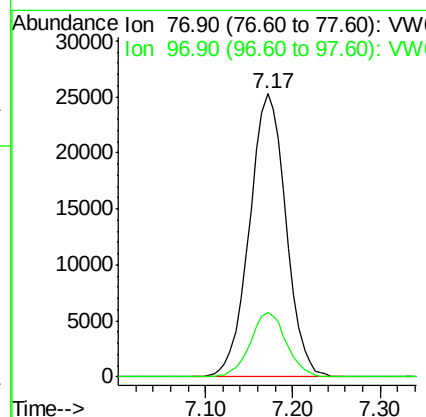
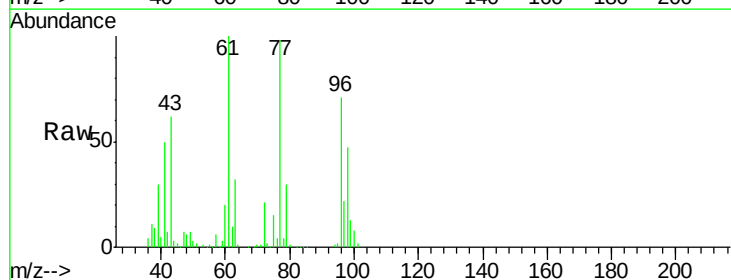
Manual Integrations
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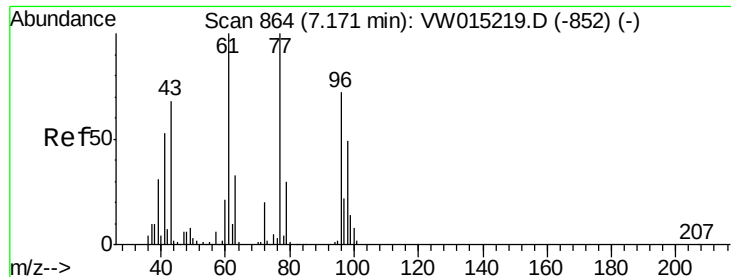
MMDadoda
4/21/2020 10:00:50 AM



#26
2,2-Dichloropropane
Concen: 19.330 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	77	Resp	73436
Ion Ratio	100	Lower	Upper
97	22.4	11.9	35.5





#27

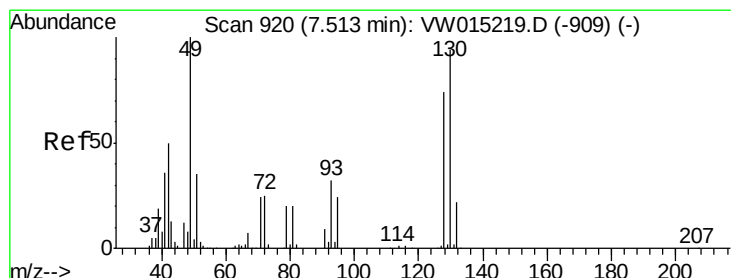
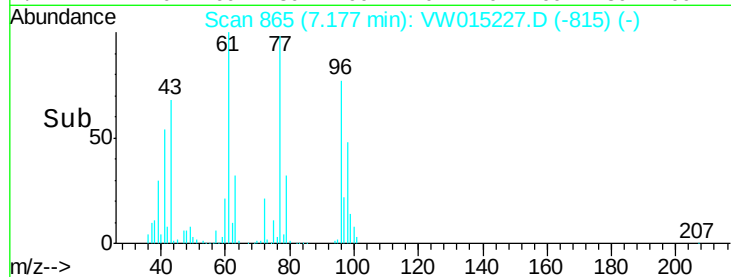
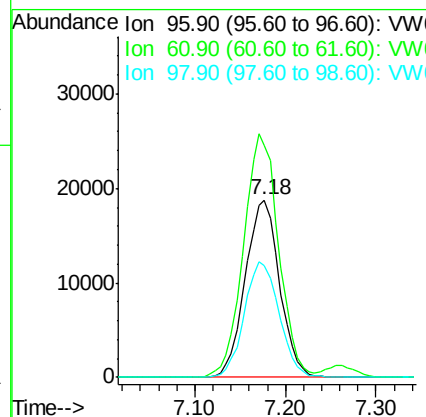
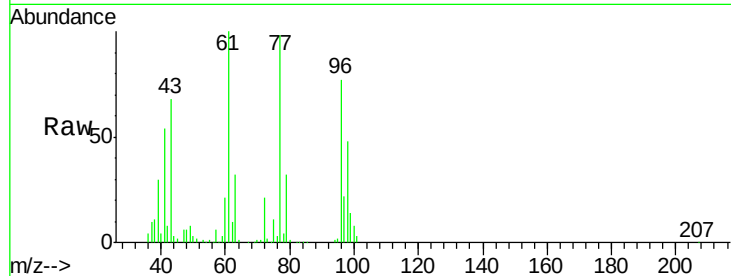
cis-1,2-Dichloroethene
Concen: 19.615 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampled :
VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.2	0.0	275.0	
98	66.1	0.0	130.8	

Manual Integrations
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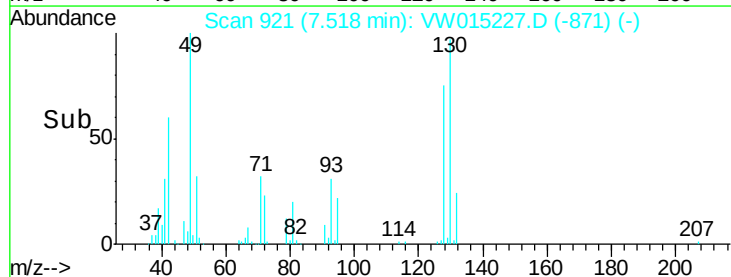
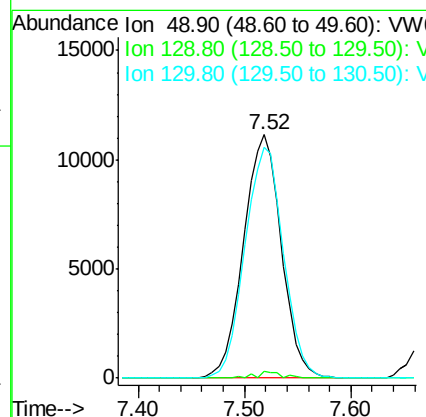
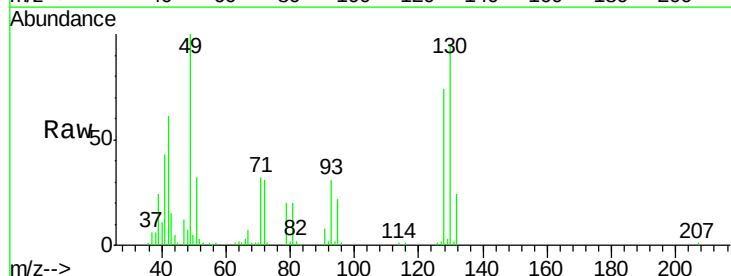
MMDadoda
4/21/2020 10:00:50 AM

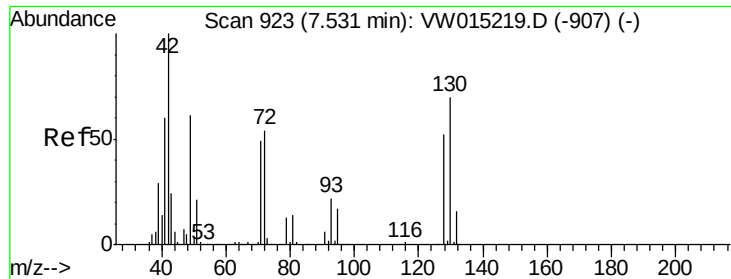


#28

Bromochloromethane
Concen: 21.183 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	4.6	
130	96.3	60.9	91.3#	





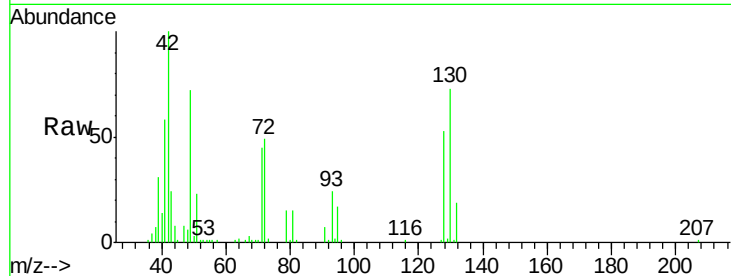
#29
Tetrahydrofuran
Concen: 102.927 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.4	36.2	54.2
71	50.7	34.2	51.4

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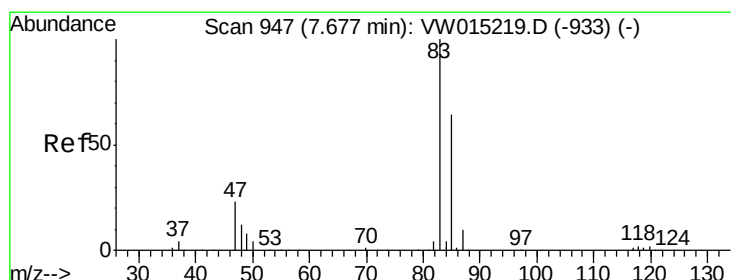
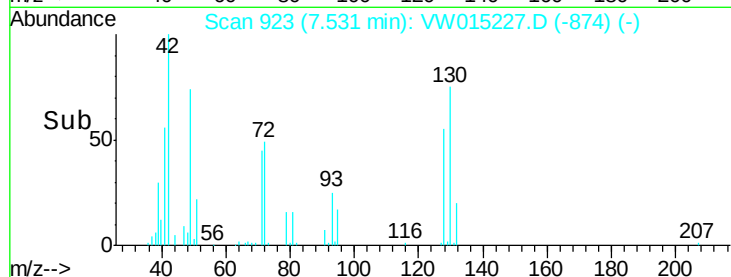
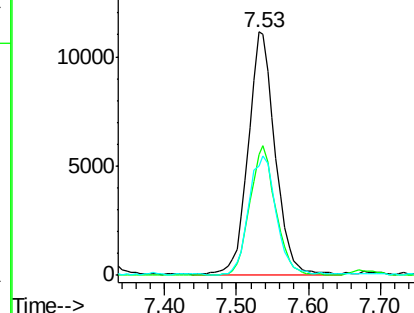


Abundance

Ion 42.00 (41.70 to 42.70): VW

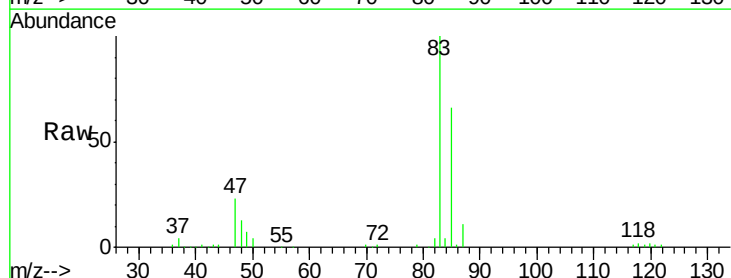
Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30
Chloroform
Concen: 19.843 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

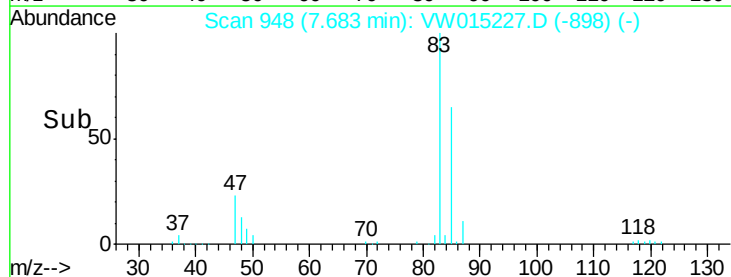
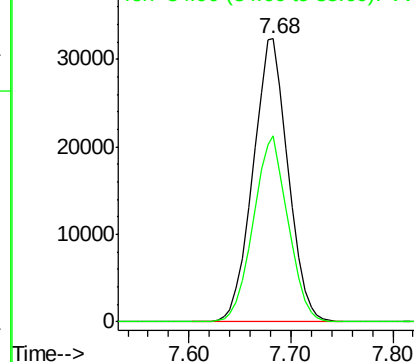
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.9	76.3

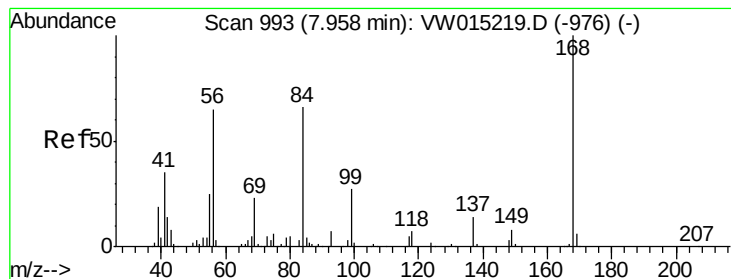


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 19.495 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

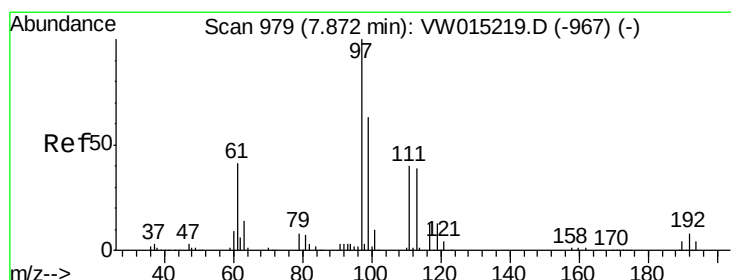
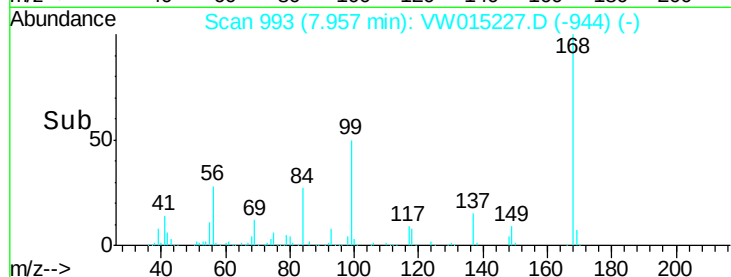
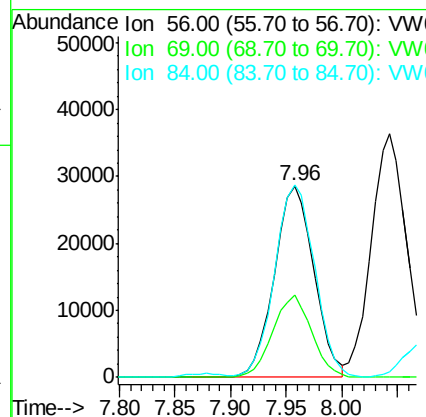
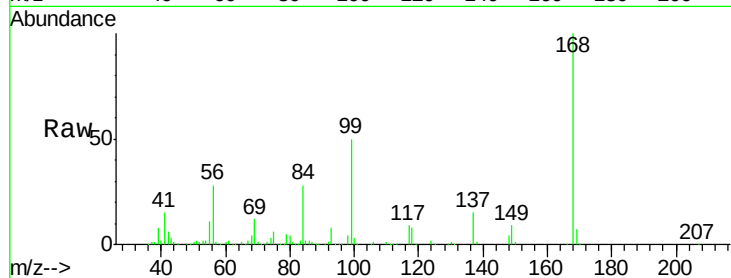
ClientSampleId :

VW0420SBS01

Tot Ion:	56	Resp:	70766
Ion Ratio	Lower	Upper	
56	100		
69	42.9	27.1	40.7#
84	98.9	71.9	107.9

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4/21/2020 10:00:50 AM



#32

1,1,1-Trichloroethane

Concen: 19.924 ug/l

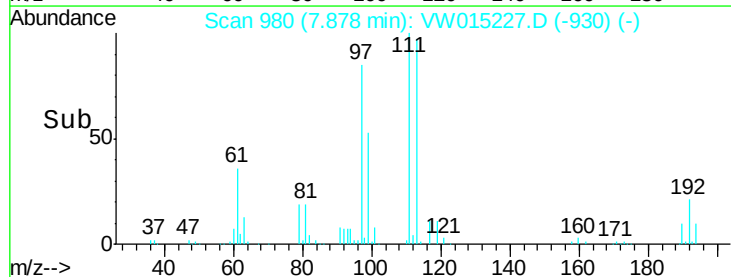
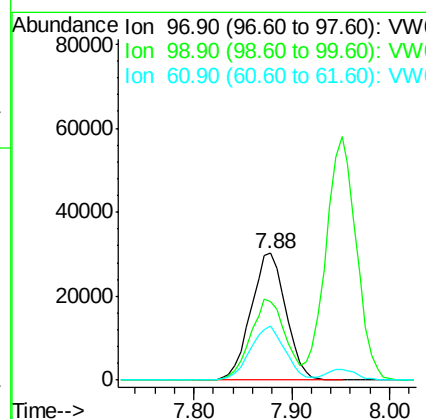
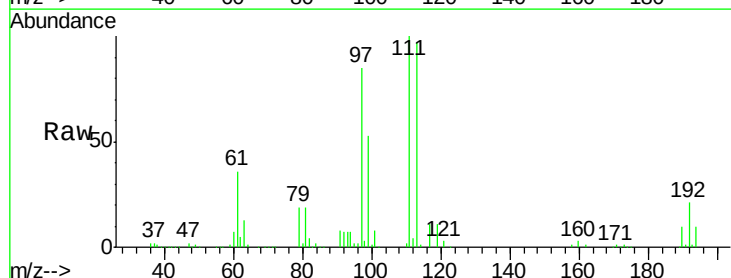
RT: 7.88 min Scan# 980

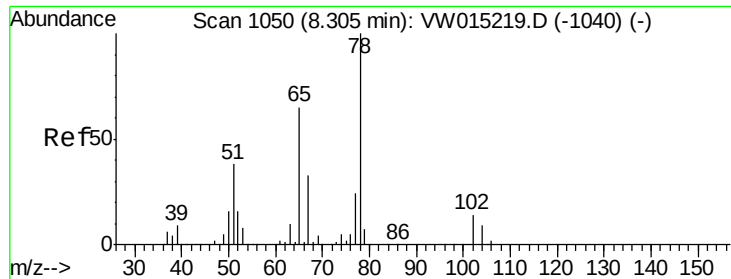
Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Tgt Ion:	97	Resp:	74946
Ion Ratio	Lower	Upper	
97	100		
99	63.1	52.2	78.2
61	42.2	34.2	51.2





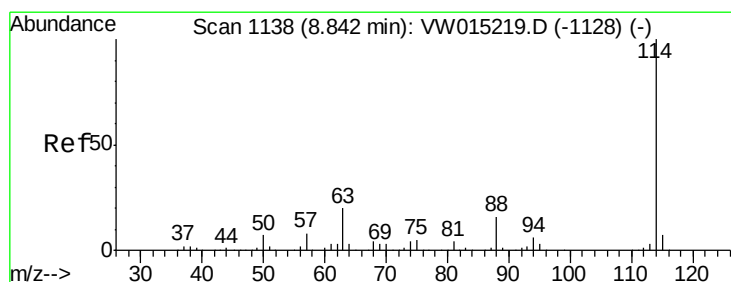
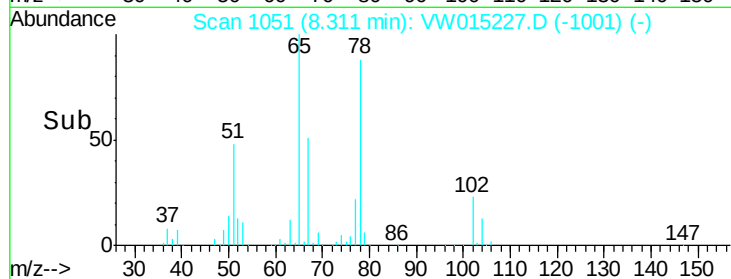
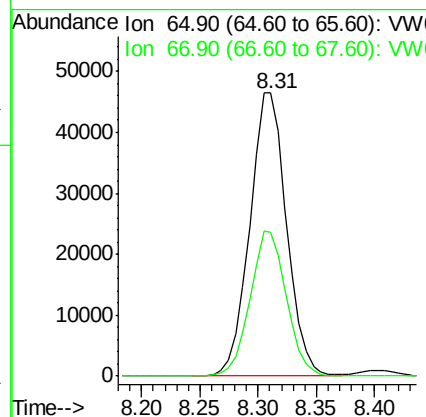
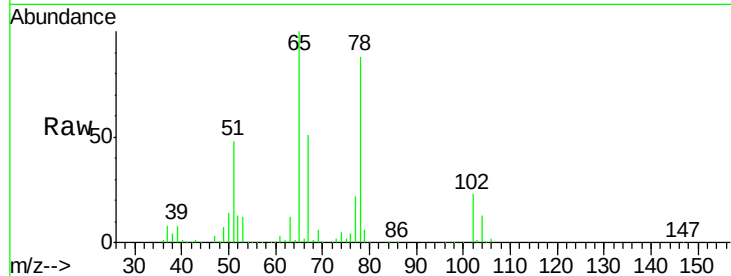
#33
 1,2-Dichloroethane-d4
 Concen: 52.101 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	102268		
67	50.8	0.0	107.0	

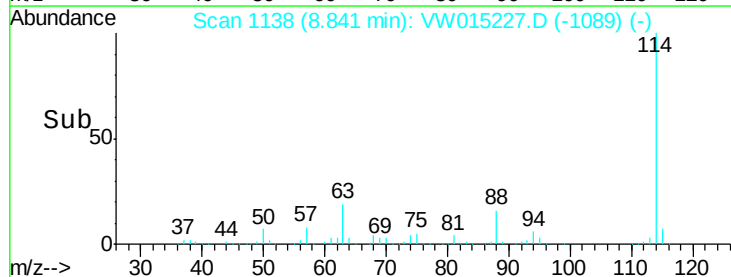
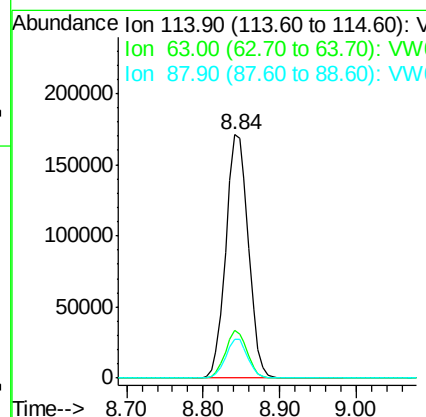
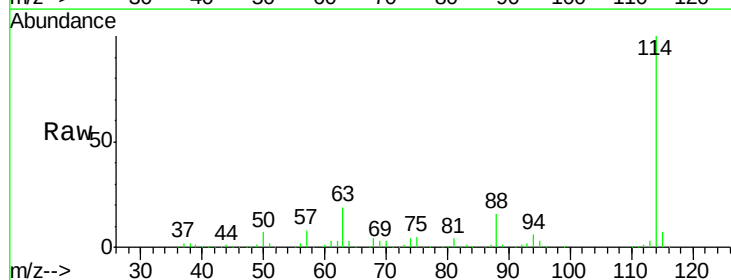
Manual Integrations
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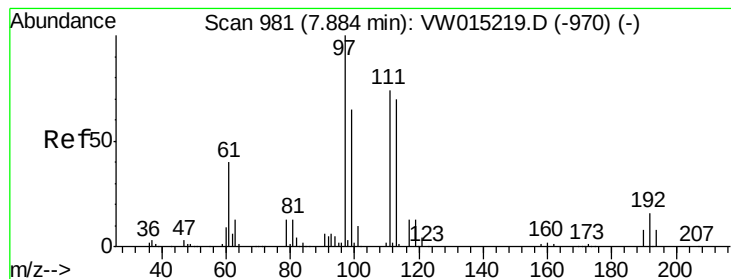
MMDadoda
 4/21/2020 10:00:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	347715		
63	19.4	0.0	39.8	
88	15.8	0.0	30.2	





#35

Dibromofluoromethane

Concen: 51.841 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

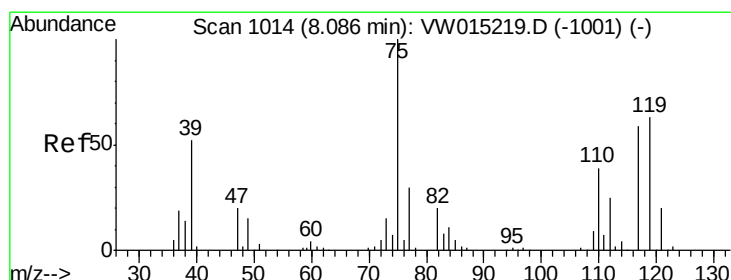
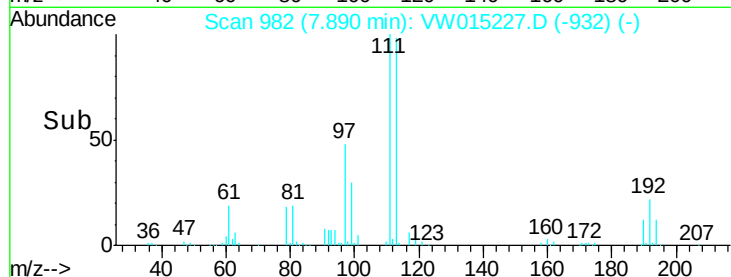
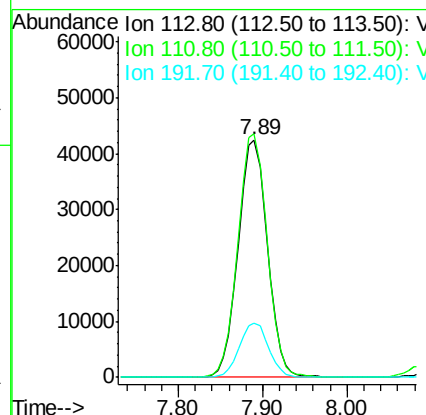
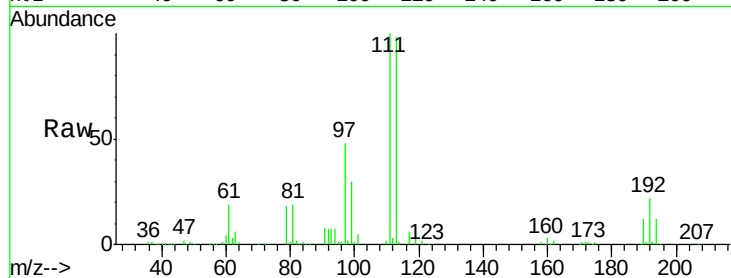
ClientSampleId :

VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	99849		
111	102.5	83.0	124.4	
192	22.8	15.1	22.7	

Manual Integrations
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4/21/2020 10:00:50 AM



#36

1,1-Dichloropropene

Concen: 20.103 ug/l

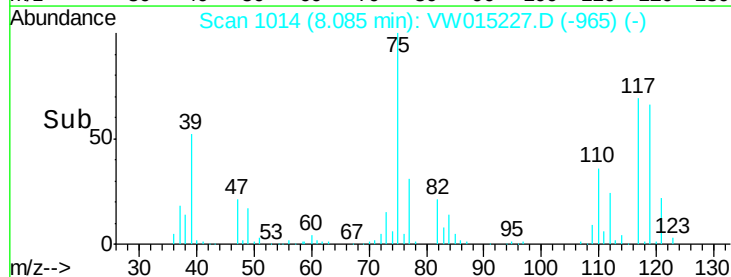
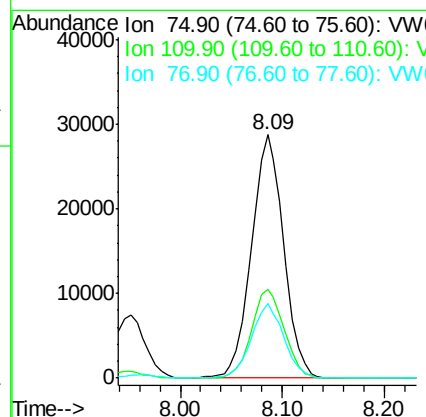
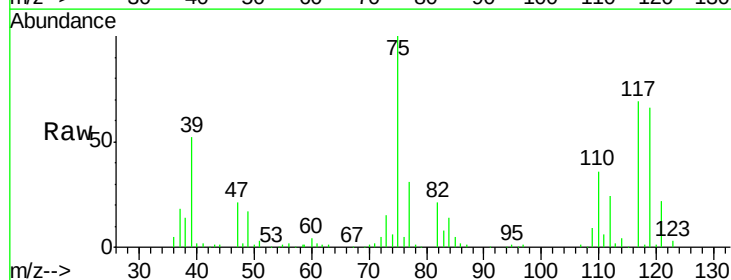
RT: 8.09 min Scan# 1014

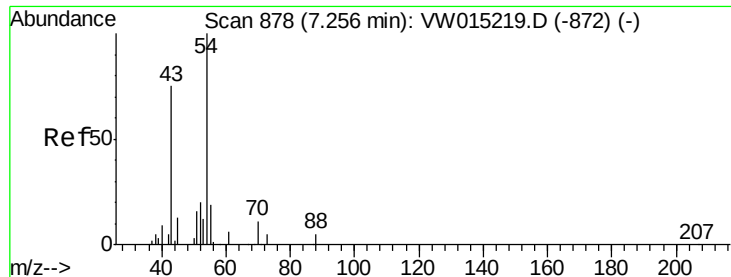
Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63089		
110	37.0	18.2	54.6	
77	31.1	24.5	36.7	





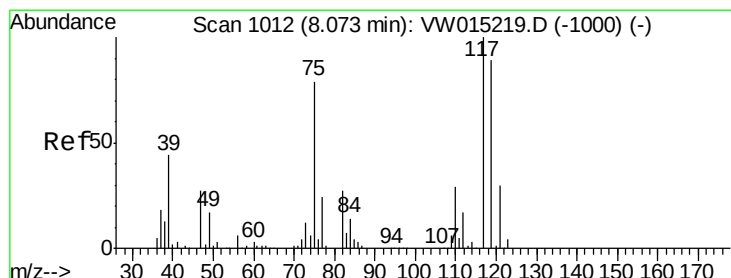
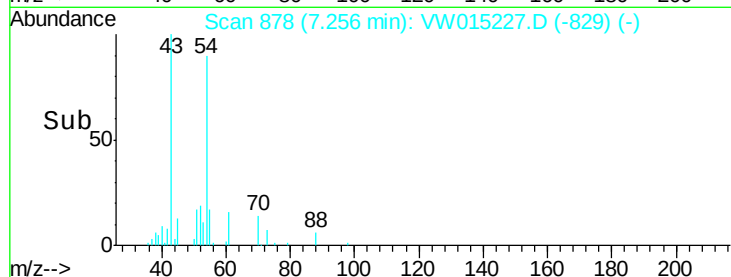
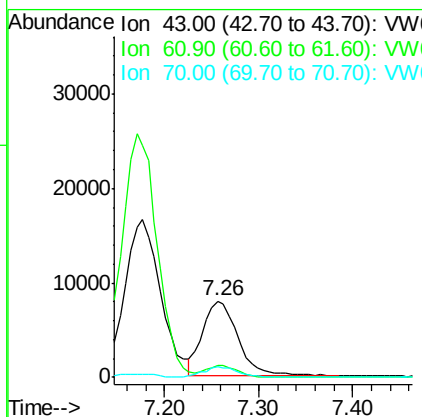
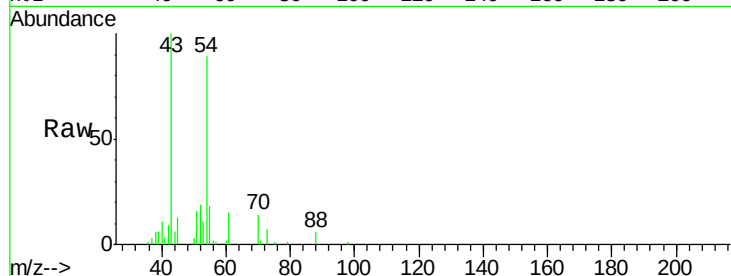
#37
Ethyl Acetate
Concen: 19.933 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.9	17.9
70	13.8	8.8	13.2

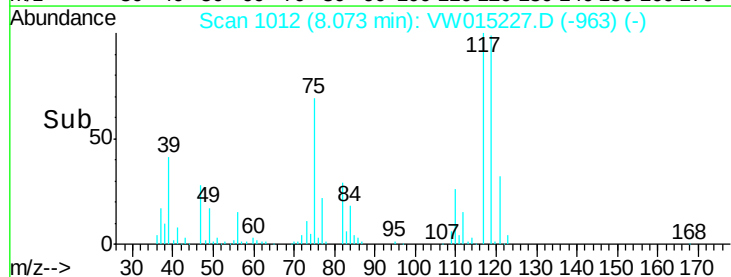
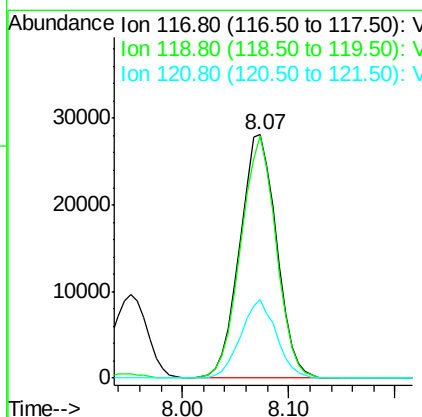
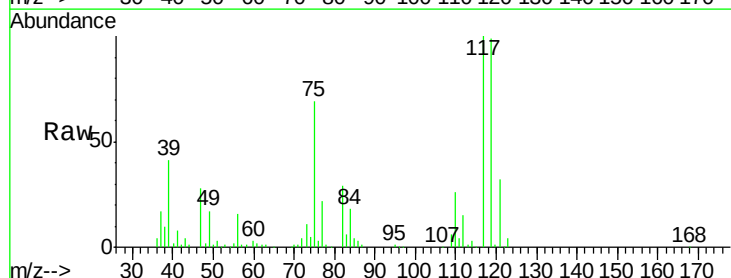
Manual Integrations
APPROVED

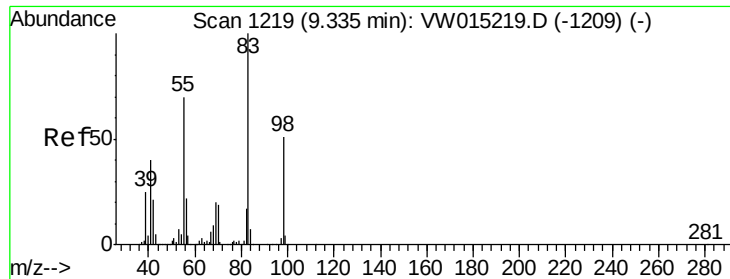
MMDadoda
4/21/2020 10:00:50 AM



#38
Carbon Tetrachloride
Concen: 19.965 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	72.3	108.5
121	32.2	23.7	35.5





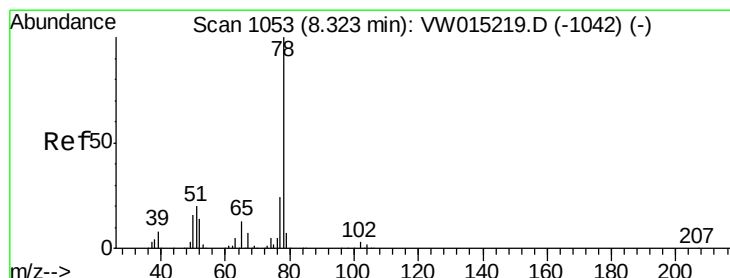
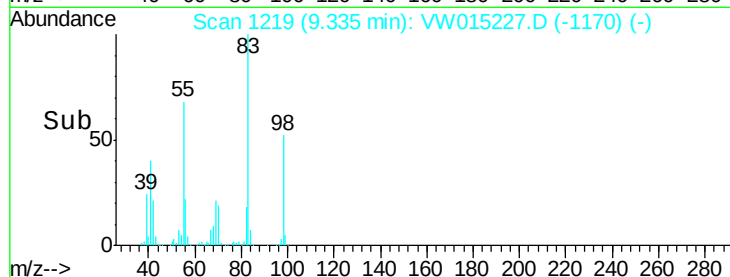
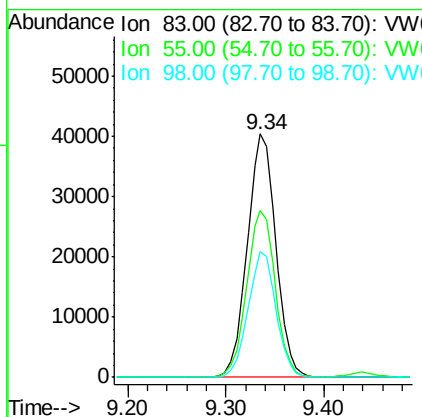
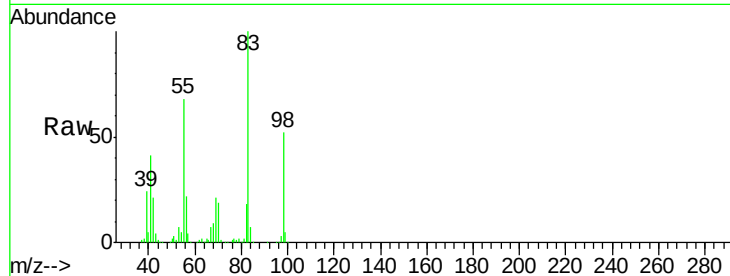
#39
Methylvlcyclohexane
Concen: 19.516 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.1	58.1	87.1
98	51.7	40.2	60.4

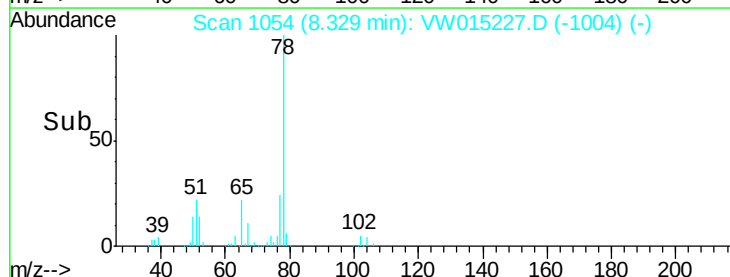
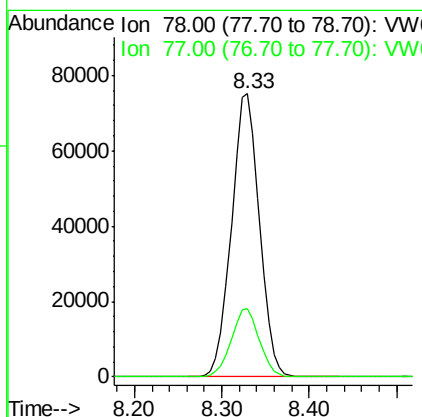
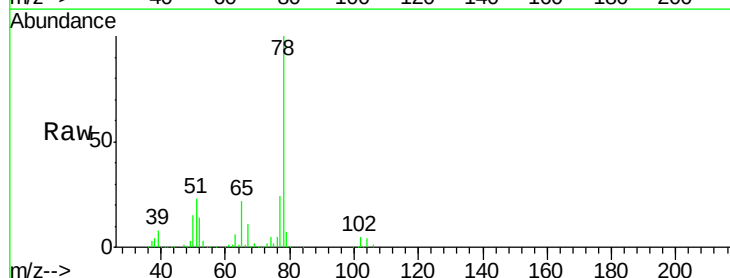
Manual Integrations
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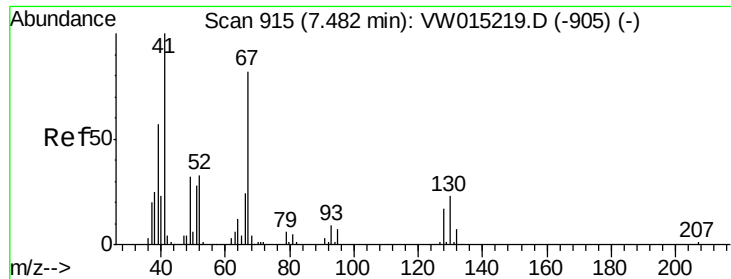
MMDadoda
4/21/2020 10:00:50 AM



#40
Benzene
Concen: 19.915 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.2	27.2





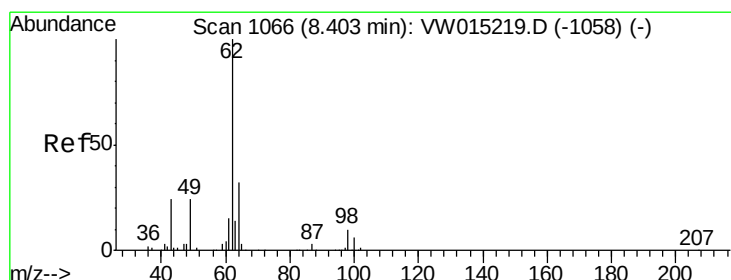
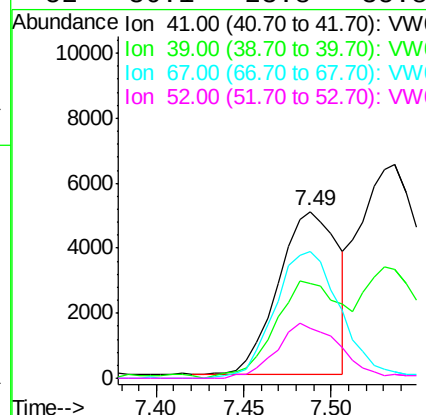
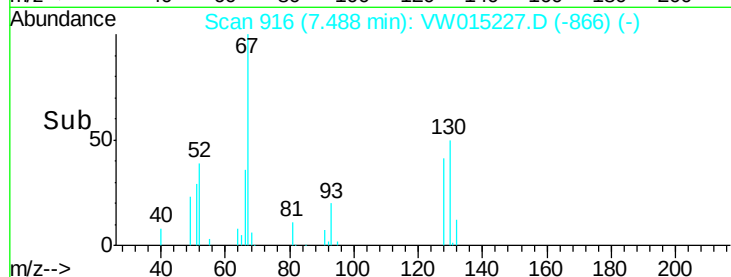
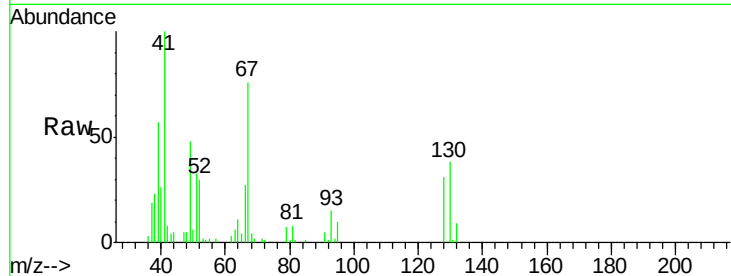
#41
Methacrylonitrile
Concen: 19.603 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.3	41.9	62.9#
67	87.2	60.6	91.0
52	36.1	23.8	35.8#

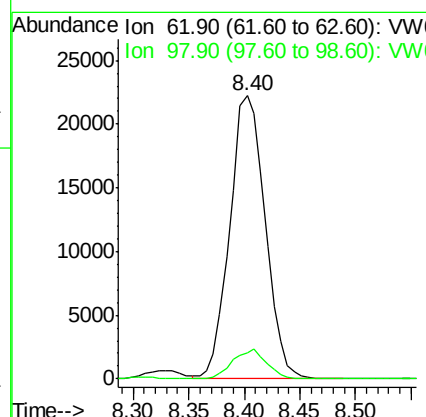
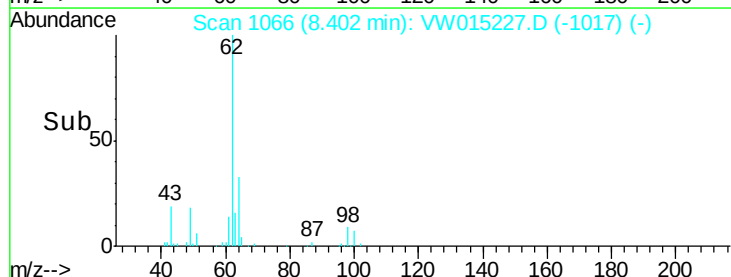
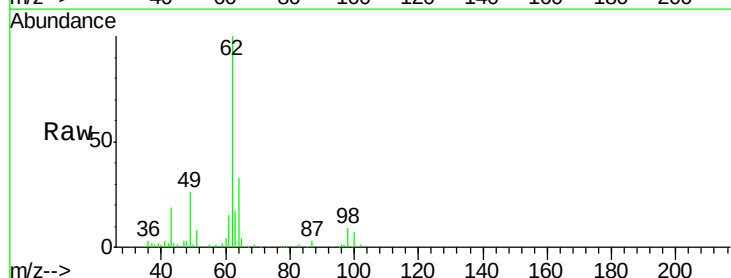
Manual Integrations
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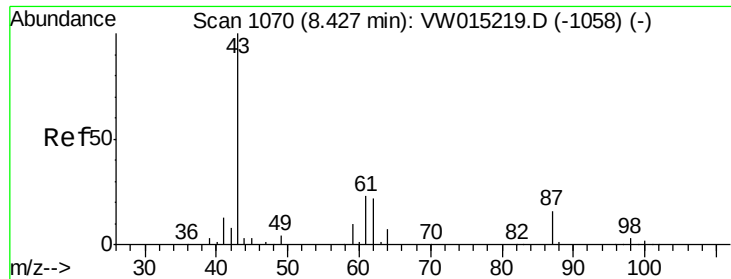
MMDadoda
4/21/2020 10:00:50 AM



#42
1,2-Dichloroethane
Concen: 19.912 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





#43

Isopropyl Acetate

Concen: 20.202 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

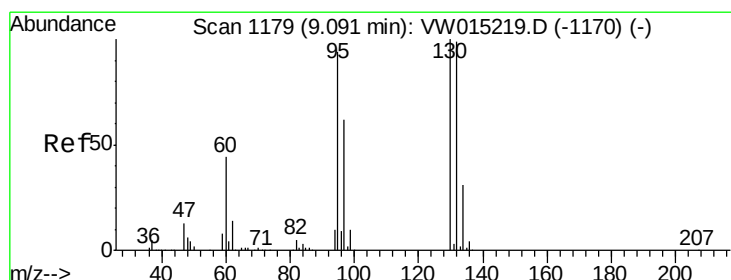
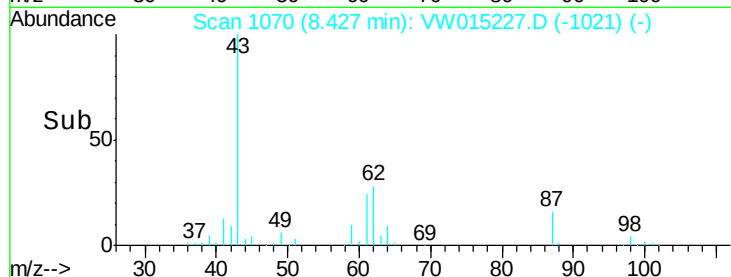
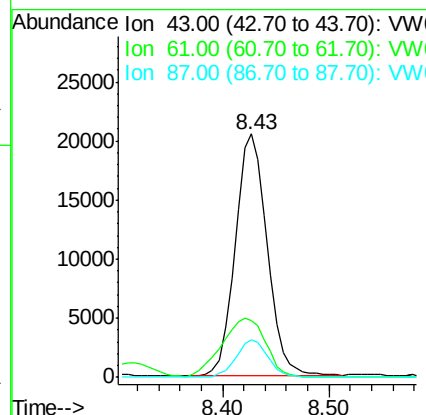
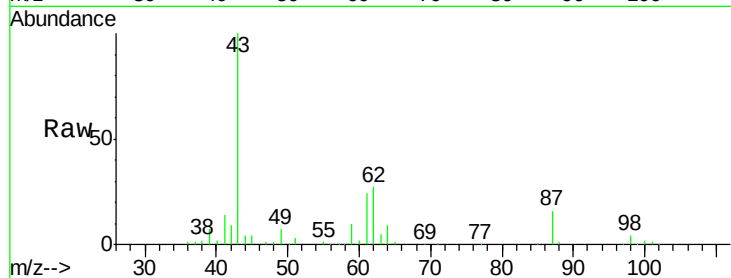
ClientSampleId :

VW0420SBS01

Tot Ion:	43	Resp:	43156
Ion	Ratio	Lower	Upper
43	100		
61	33.4	24.8	37.2
87	15.5	11.4	17.2

Manual Integrations
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MMDadoda
4/21/2020 10:00:50 AM



#44

Trichloroethene

Concen: 19.893 ug/l

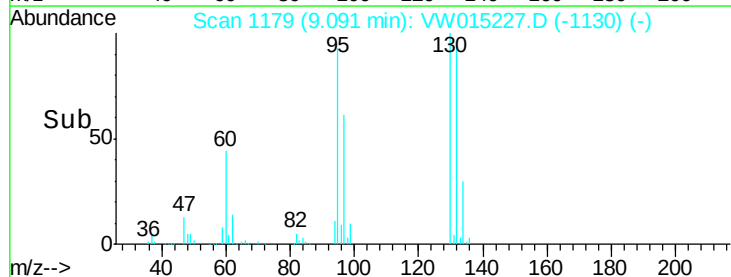
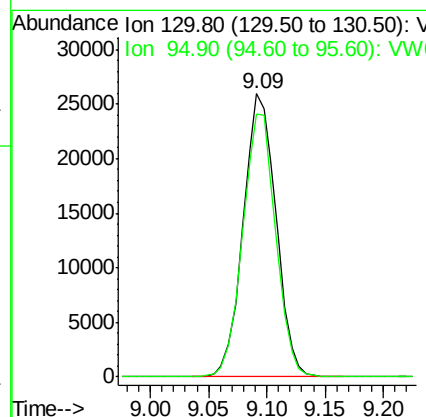
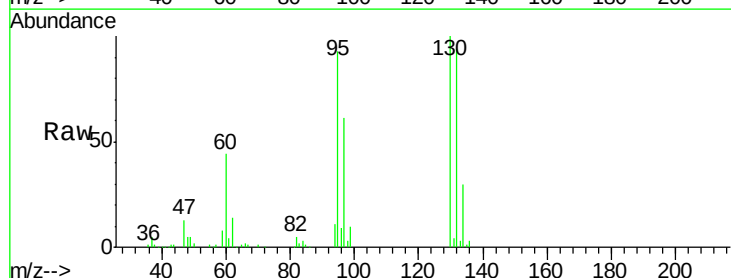
RT: 9.09 min Scan# 1179

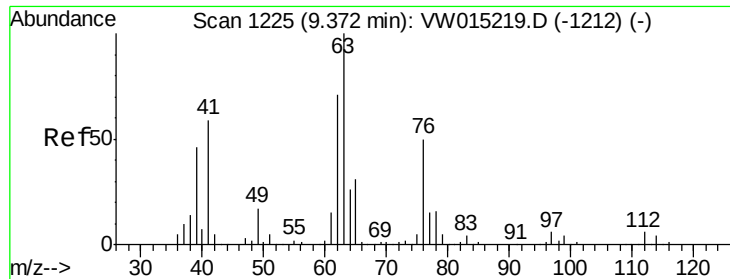
Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Tgt Ion:	130	Resp:	51012
Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	196.4





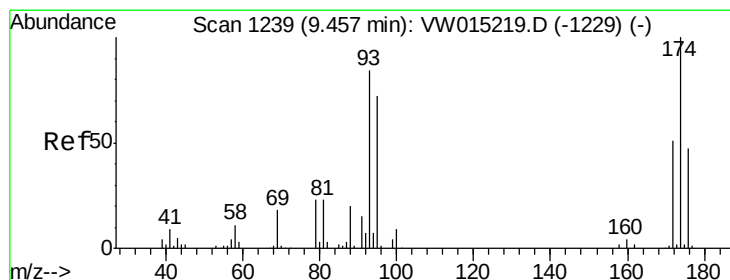
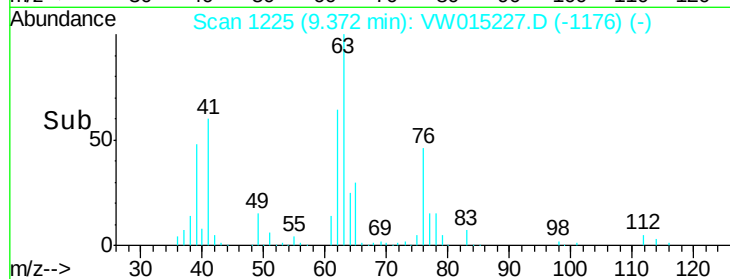
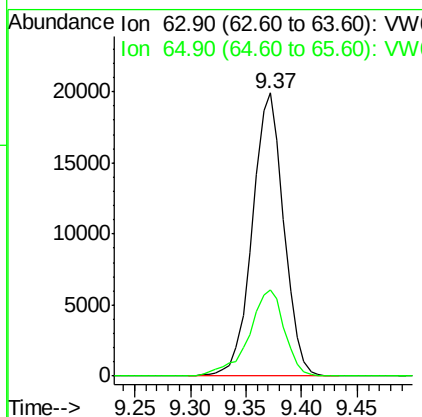
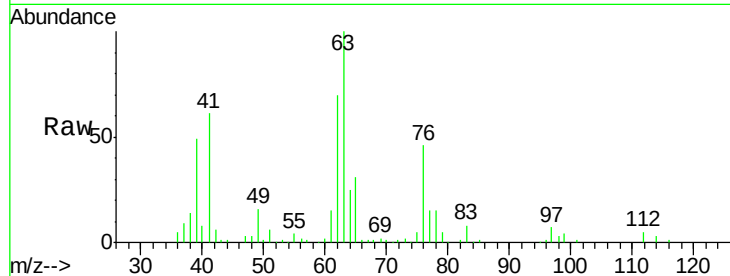
#45
 1,2-Dichloropropane
 Concen: 20.132 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.5	38.3

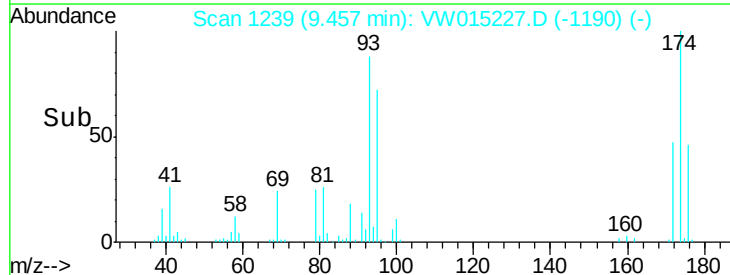
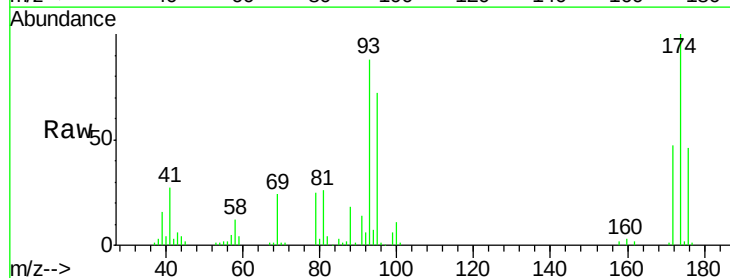
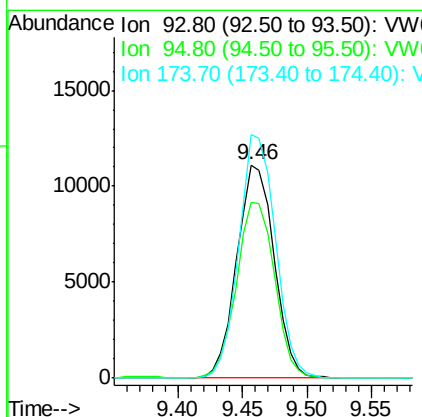
Manual Integrations
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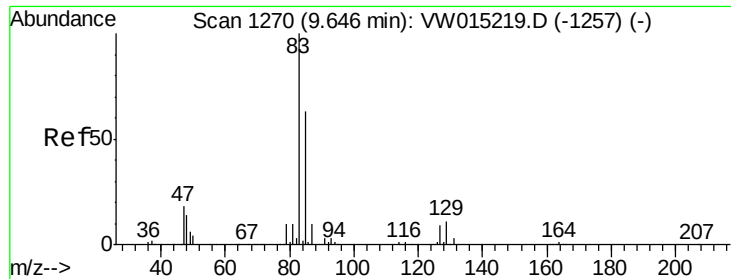
MMDadoda
 4/21/2020 10:00:50 AM



#46
 Dibromomethane
 Concen: 19.831 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	67.5	101.3
174	112.0	74.1	111.1#





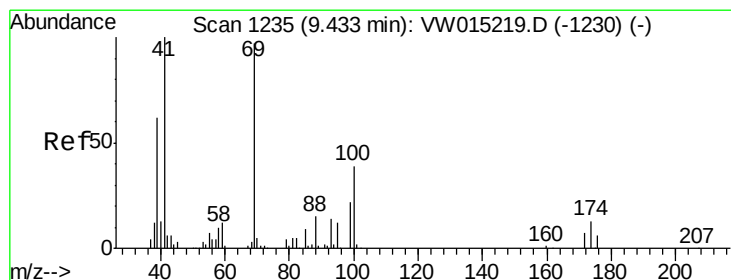
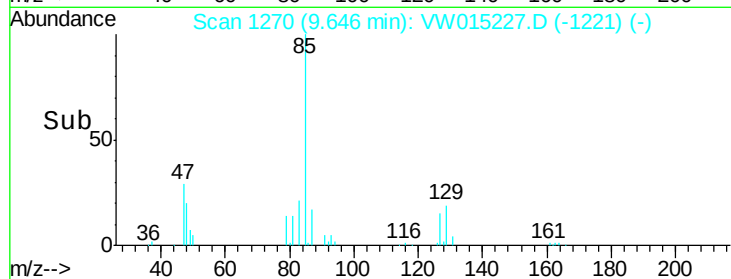
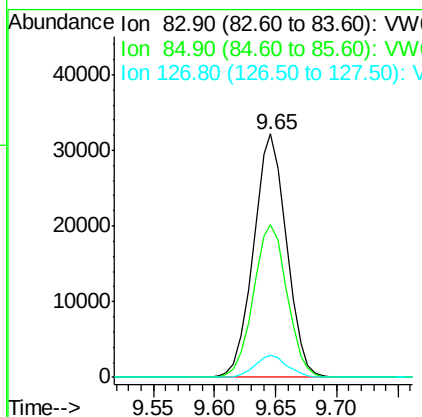
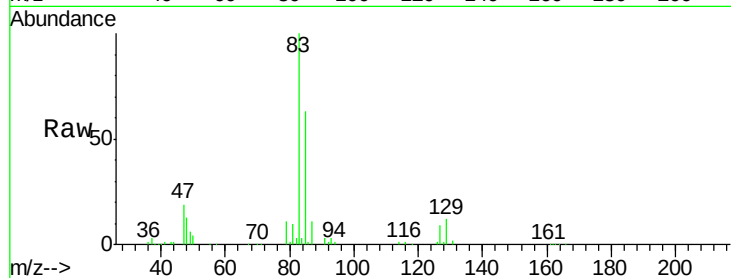
#47
Bromodichloromethane
Concen: 20.065 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	83	Resp	60491
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	50.6	76.0
127	9.3	6.7	10.1

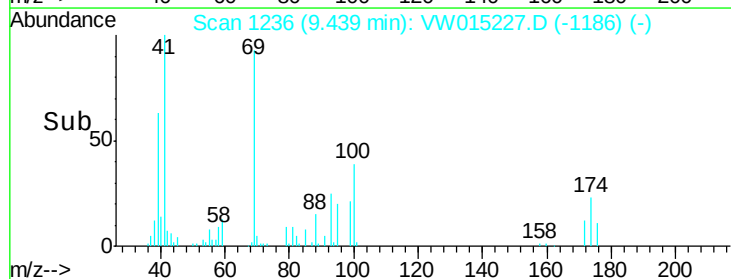
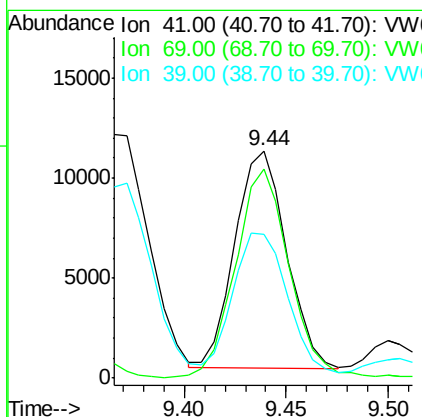
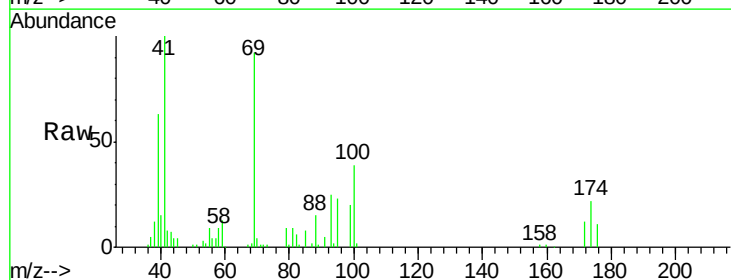
Manual Integrations
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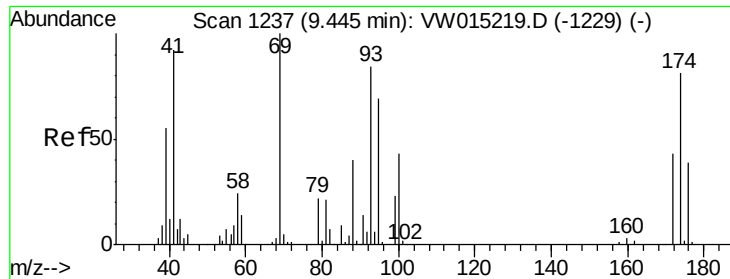
MMDadoda
4/21/2020 10:00:50 AM



#48
Methyl methacrylate
Concen: 18.951 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	41	Resp	19138
Ion Ratio	100	Lower	Upper
41	100		
69	101.2	70.6	105.8
39	66.7	42.6	64.0#





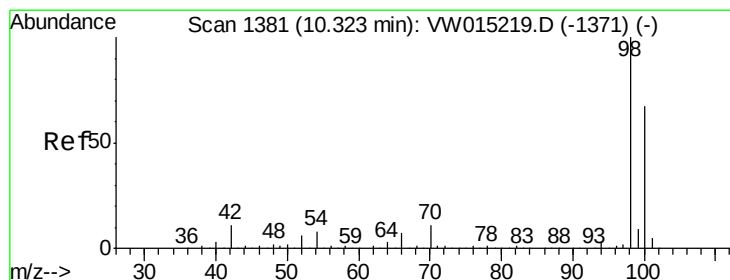
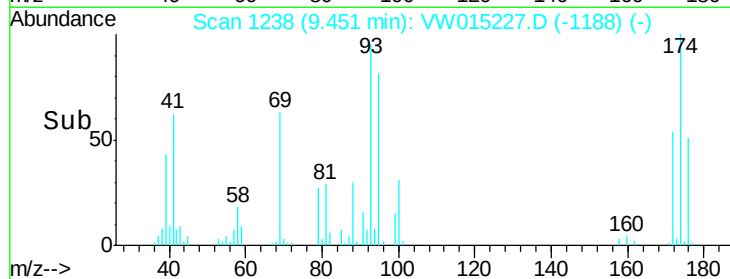
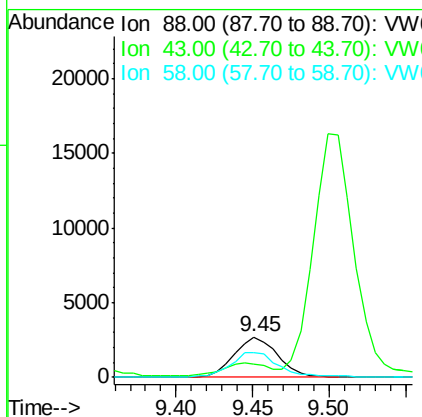
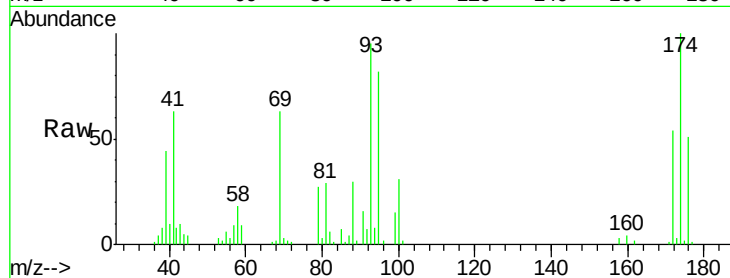
#49
1,4-Dioxane
Concen: 354.928 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	88	Resp	5336
Ion	Ratio	Lower	Upper
88	100		
43	31.9	23.5	35.3
58	65.4	55.4	83.2

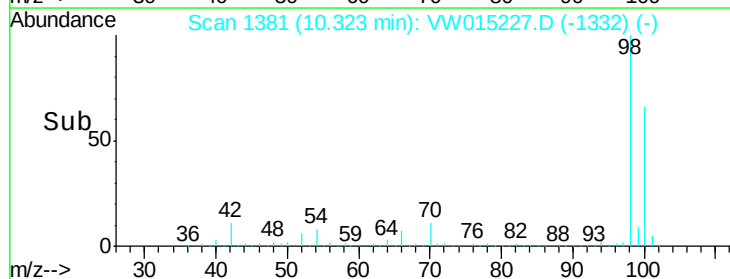
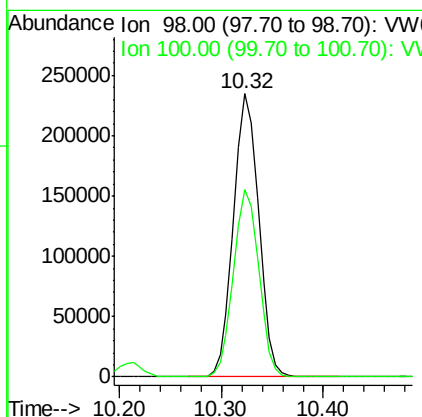
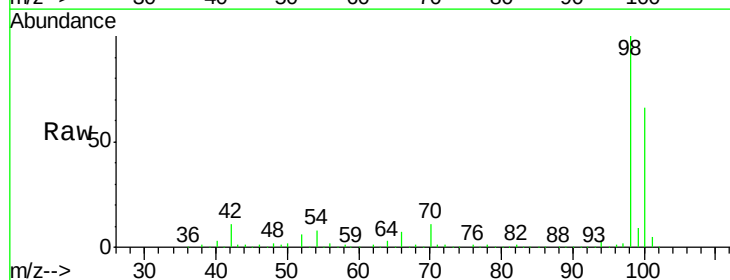
Manual Integrations
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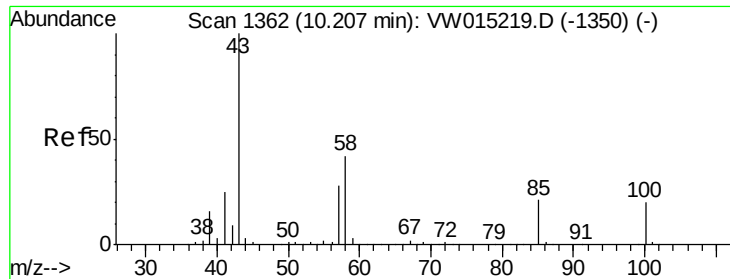
MMDadoda
4/21/2020 10:00:50 AM



#50
Toluene-d8
Concen: 49.659 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	98	Resp	402352
Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3





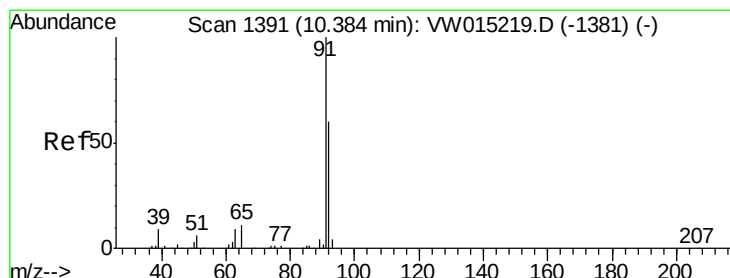
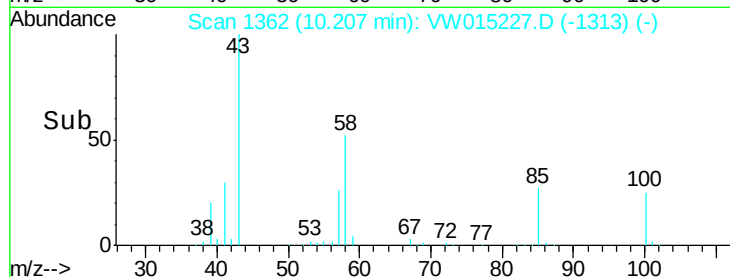
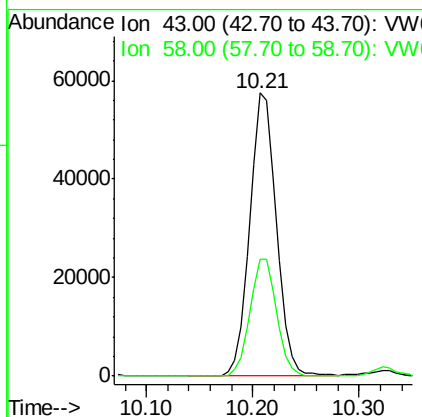
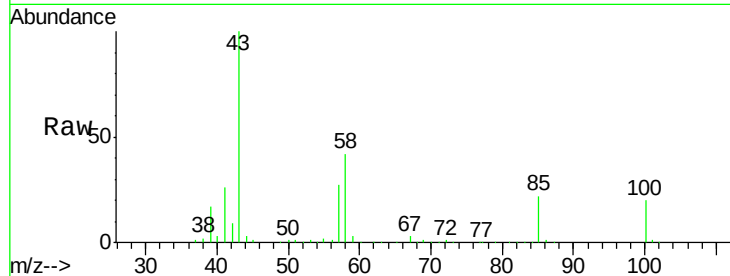
#51
 4-Methyl-2-Pentanone
 Concen: 100.108 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.0	32.3	48.5

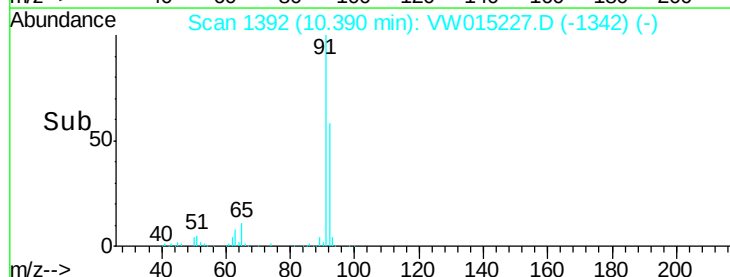
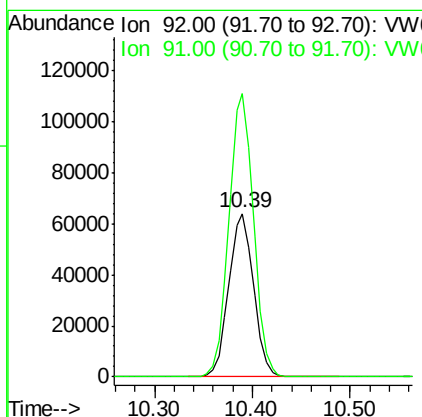
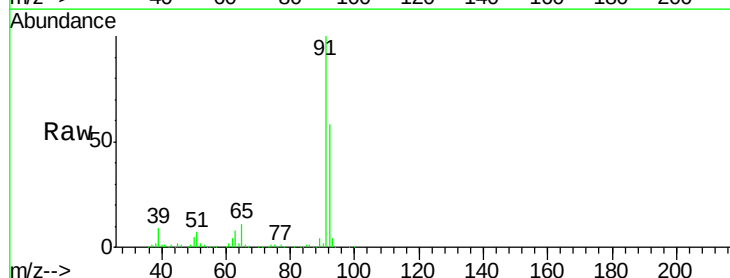
Manual Integrations
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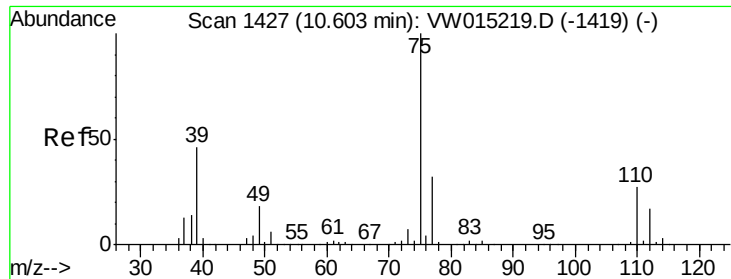
MMDadoda
 4/21/2020 10:00:50 AM



#52
 Toluene
 Concen: 19.104 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.1	205.7





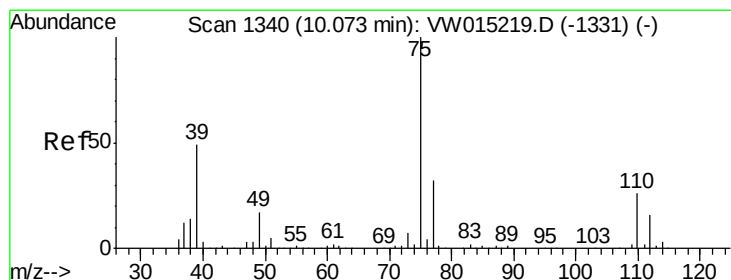
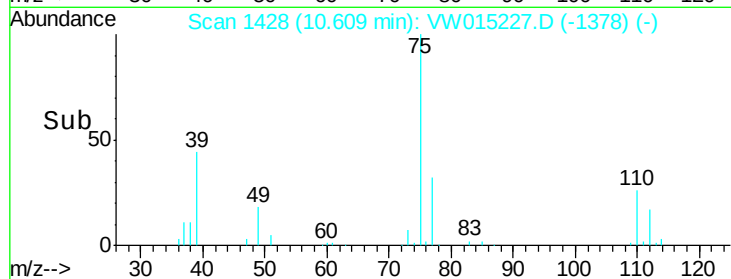
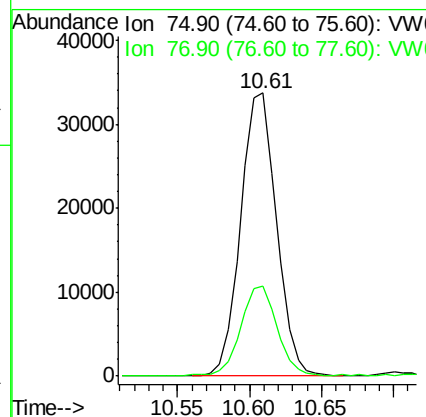
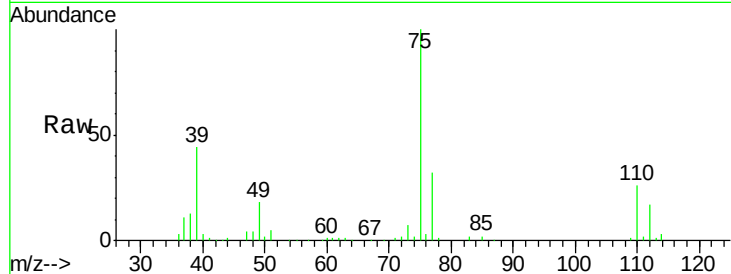
#53
 t-1,3-Dichloropropene
 Concen: 19.610 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3

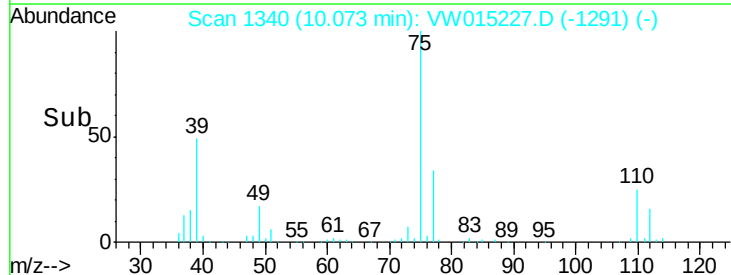
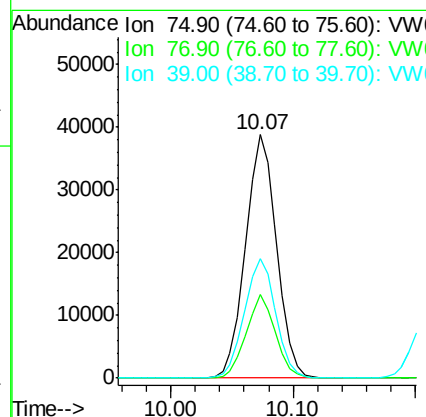
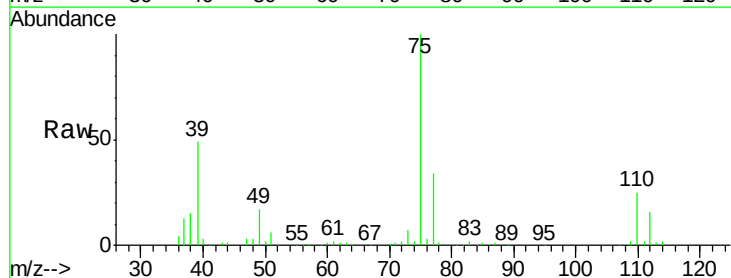
Manual Integrations
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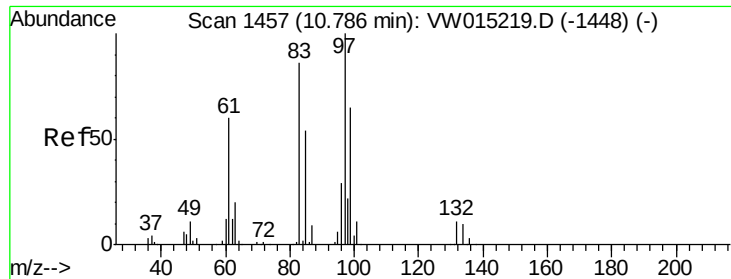
MMDadoda
 4/21/2020 10:00:50 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.778 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.5	26.6	39.8
39	48.9	37.8	56.6





#55

1,1,2-Trichloroethane

Concen: 19.561 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion: 97 Resp: 30890

Ion Ratio Lower Upper

97 100

83 84.2 67.3 100.9

85 54.0 43.8 65.8

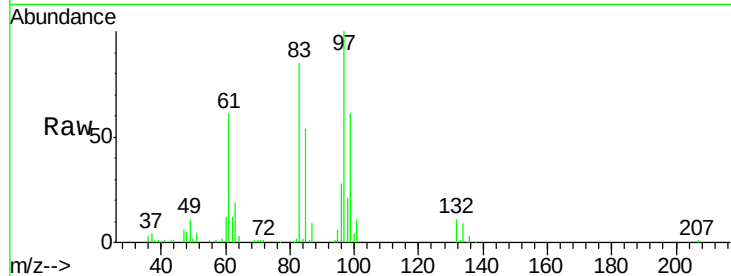
99 61.1 51.4 77.0

Manual Integrations

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MMDadoda

4/21/2020 10:00:50 AM

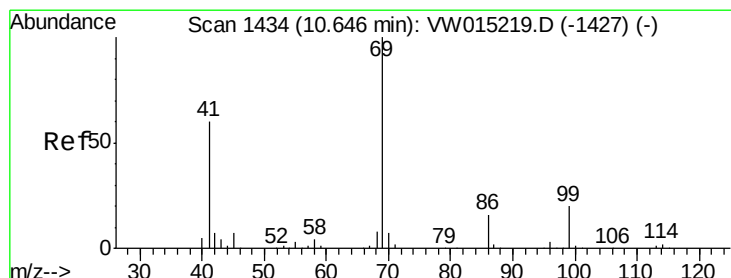
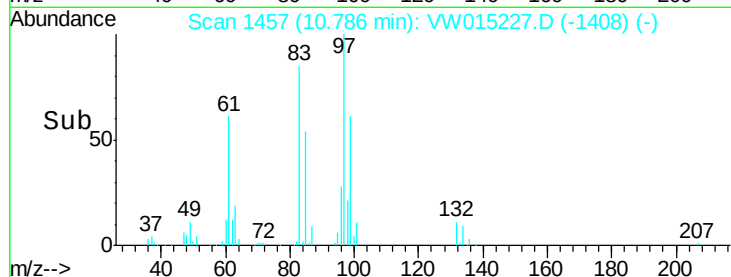
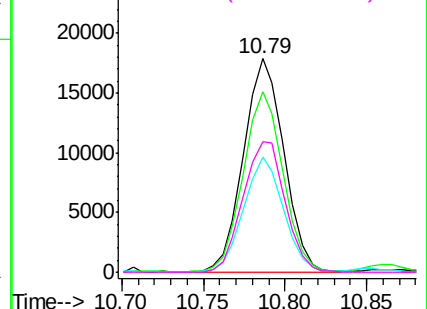


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 19.512 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

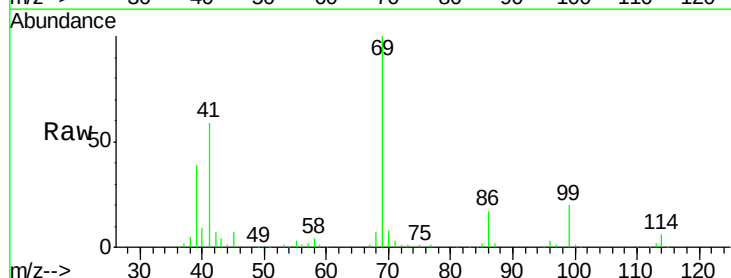
Tgt Ion: 69 Resp: 39694

Ion Ratio Lower Upper

69 100

41 59.5 51.3 76.9

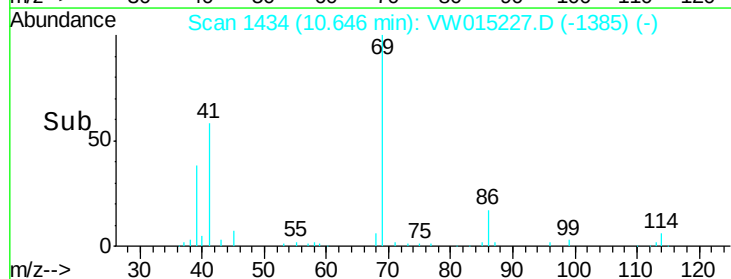
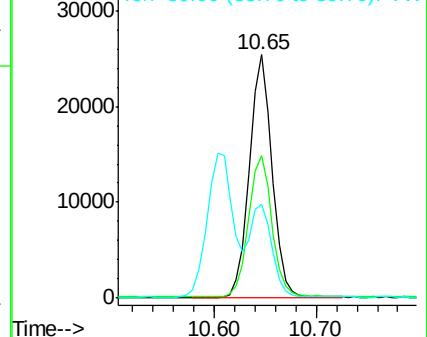
39 36.6 24.6 37.0

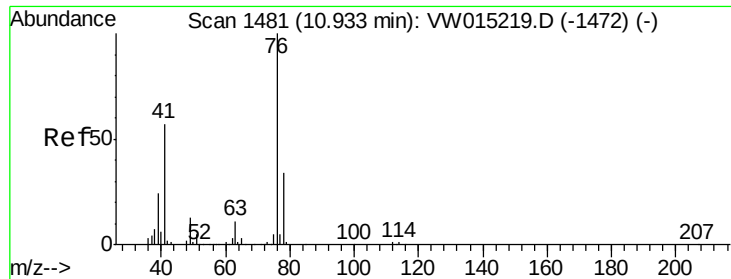


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





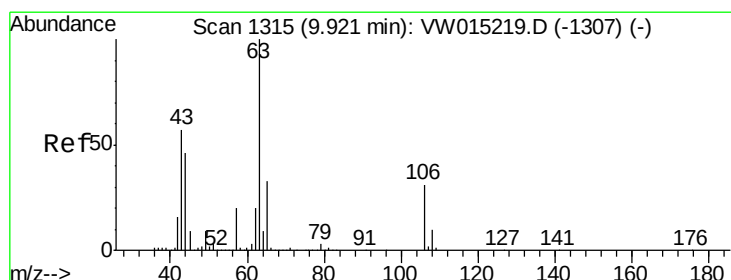
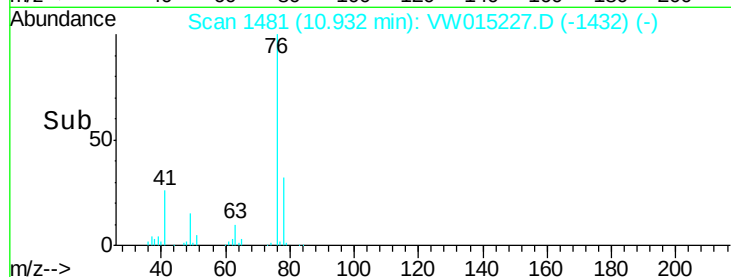
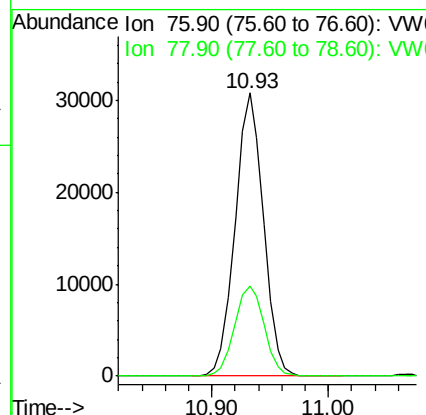
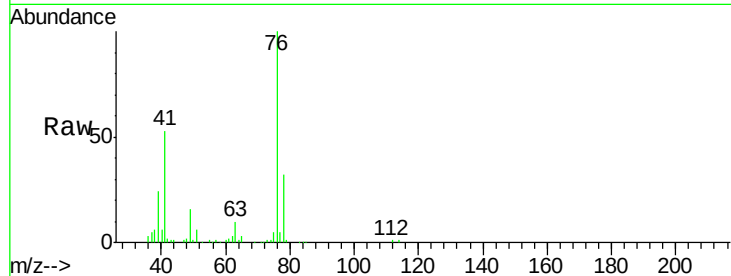
#57
 1,3-Dichloropropane
 Concen: 19.872 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Instrument :
 MSVOA_W
 ClientSampled :
 VW0420SBS01

Tot Ion: 76 Resp: 51982
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.2 39.4

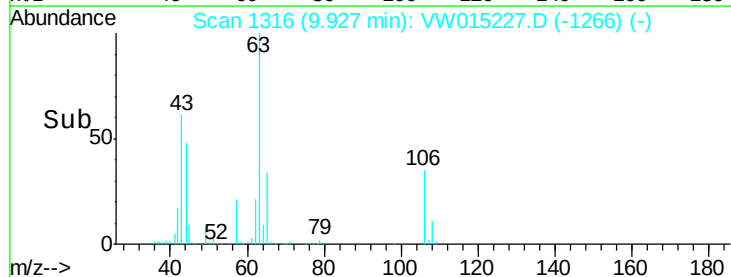
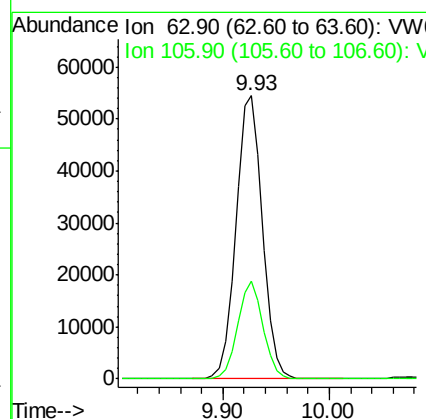
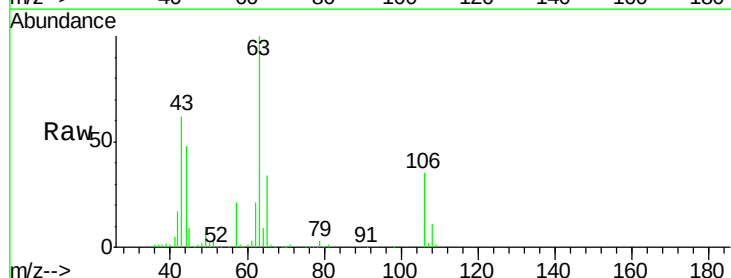
Manual Integrations
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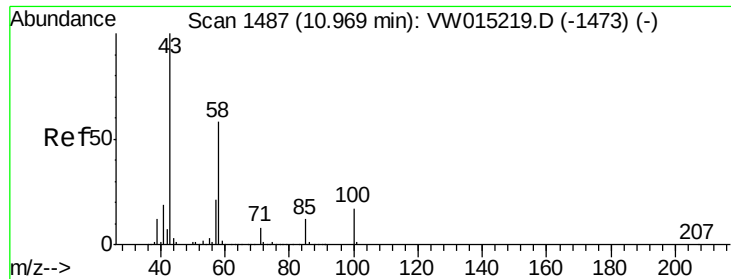
MMDadoda
 4/21/2020 10:00:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.426 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion: 63 Resp: 94716
 Ion Ratio Lower Upper
 63 100
 106 33.1 22.6 33.8





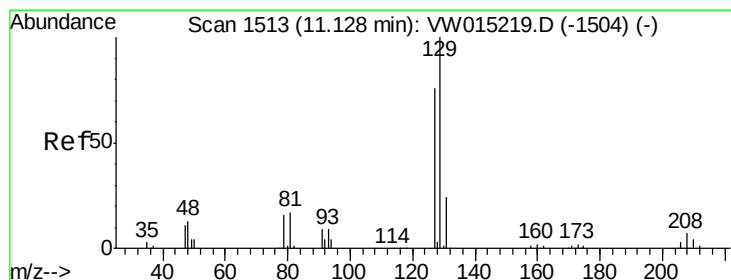
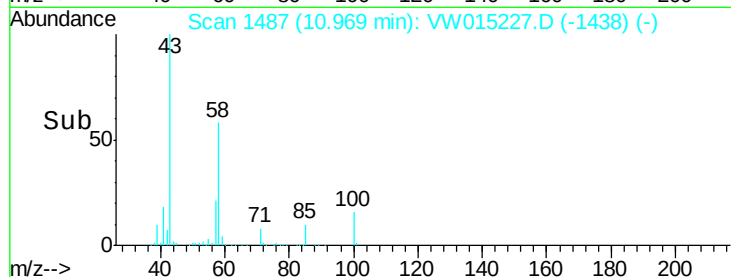
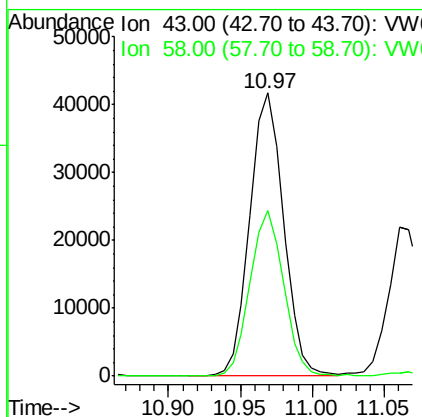
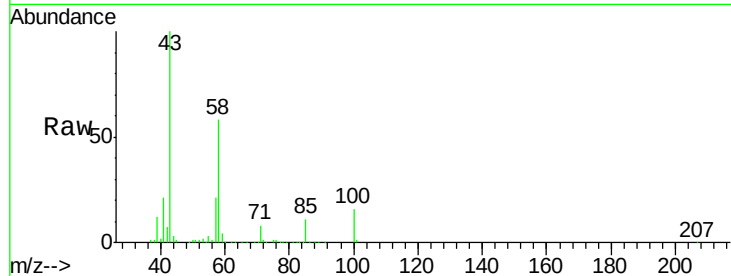
#59
2-Hexanone
Concen: 94.537 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion: 43 Resp: 67672
Ion Ratio Lower Upper
43 100
58 58.4 28.1 84.3

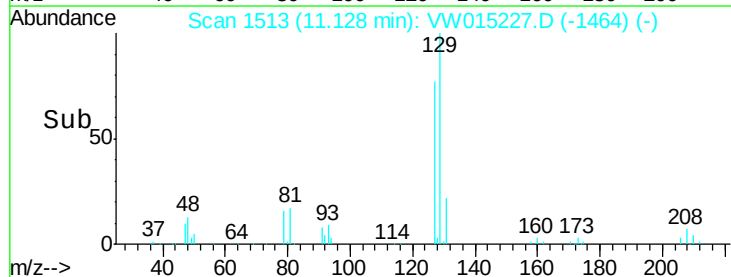
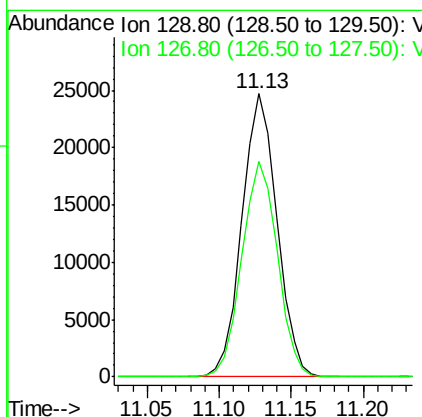
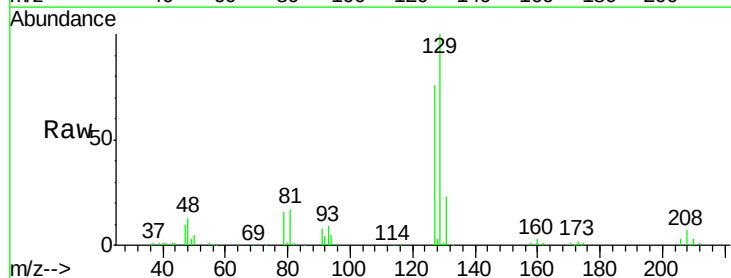
Manual Integrations
APPROVED

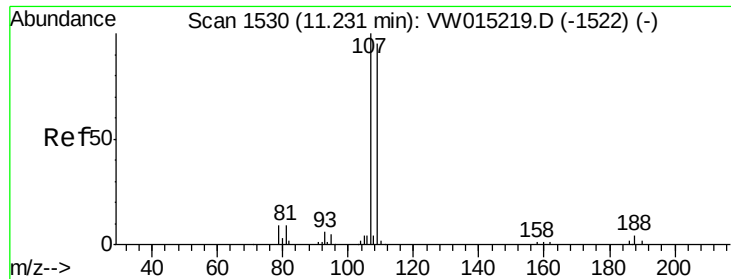
MMDadoda
4/21/2020 10:00:50 AM



#60
Dibromochloromethane
Concen: 19.976 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion: 129 Resp: 41649
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





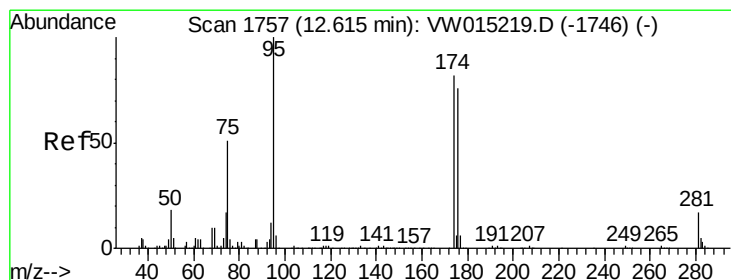
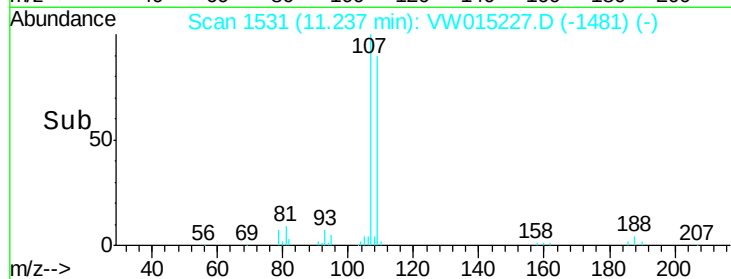
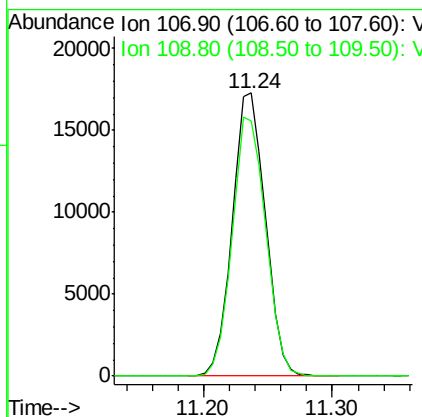
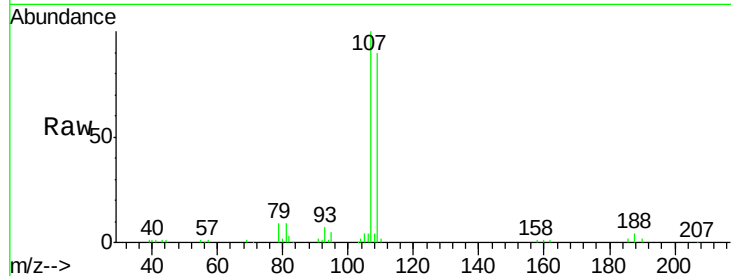
#61
 1,2-Dibromoethane
 Concen: 19.956 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.3	111.5

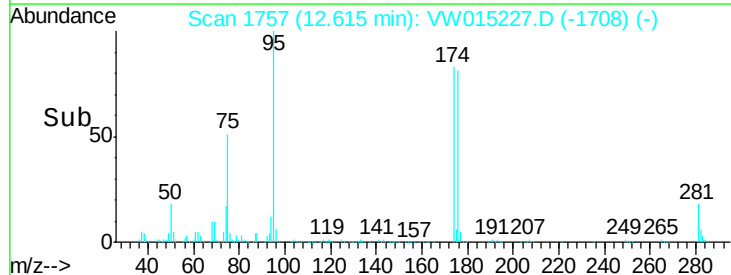
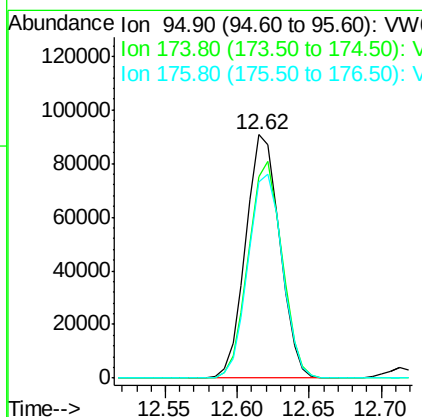
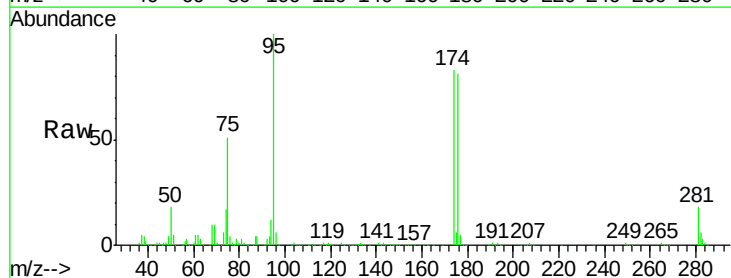
Manual Integrations
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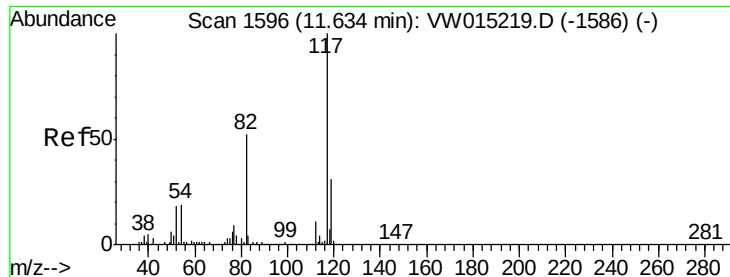
MMDadoda
 4/21/2020 10:00:50 AM



#62
 4-Bromofluorobenzene
 Concen: 48.041 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	144.4
176	84.6	0.0	140.6





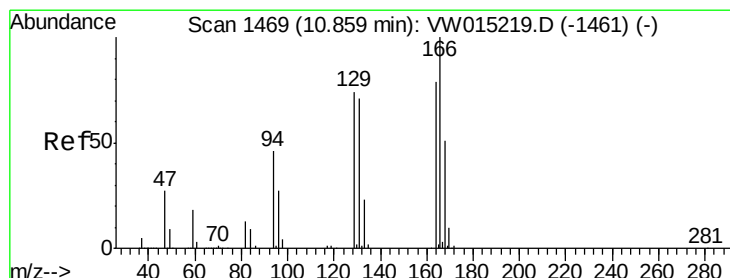
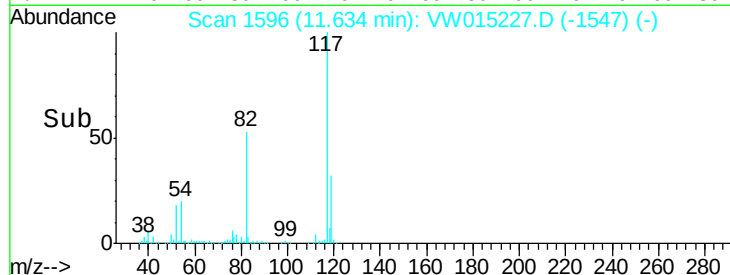
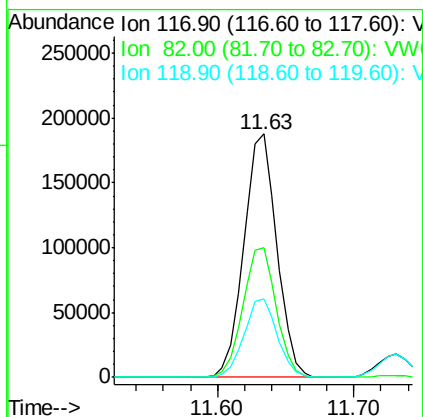
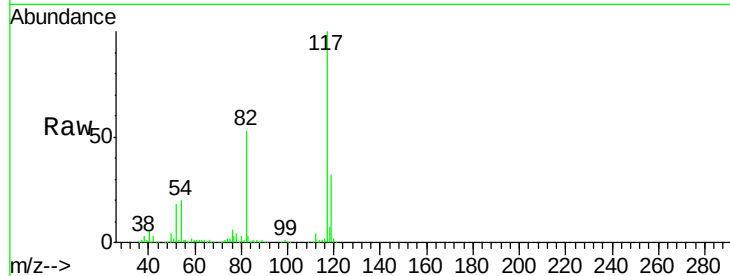
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	318382		
82	53.1		44.1	66.1
119	32.3		24.9	37.3

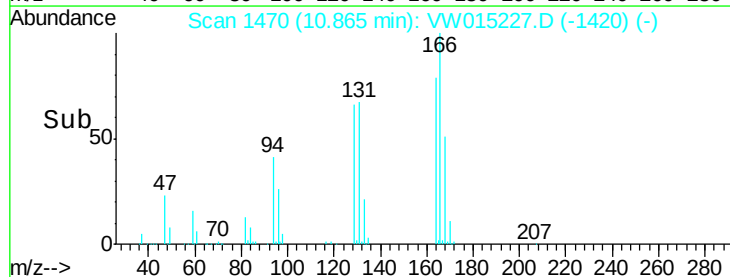
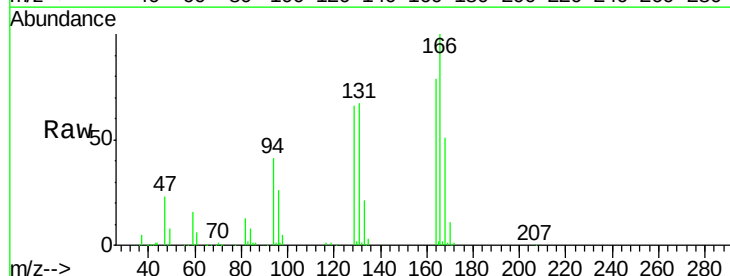
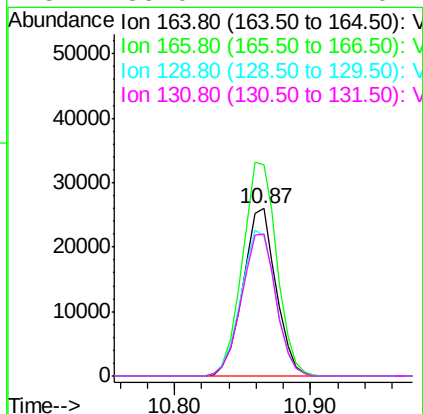
Manual Integrations
APPROVED

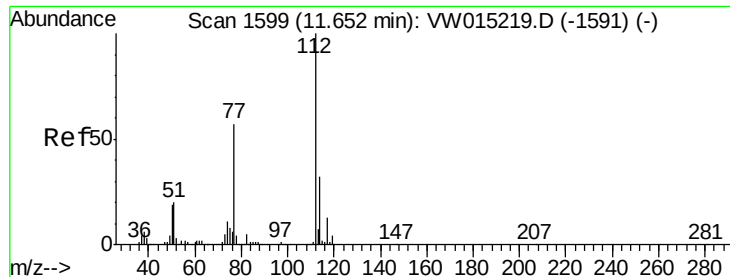
MMDadoda
4/21/2020 10:00:50 AM



#64
Tetrachloroethene
Concen: 19.402 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44087		
166	126.2		102.6	154.0
129	83.6		80.2	120.2
131	85.0		77.4	116.2





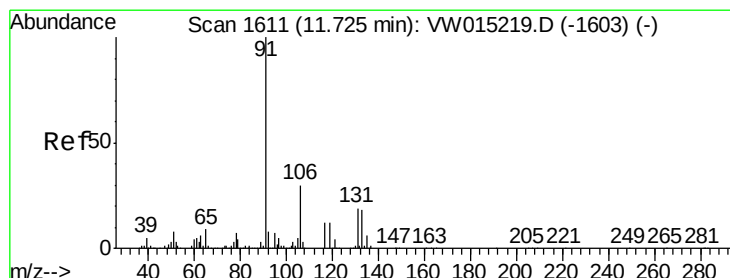
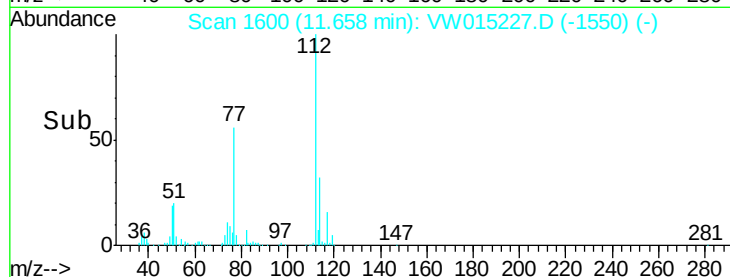
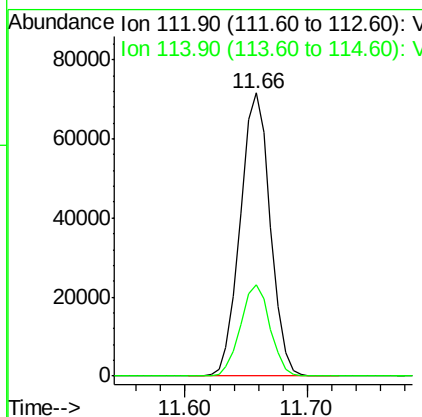
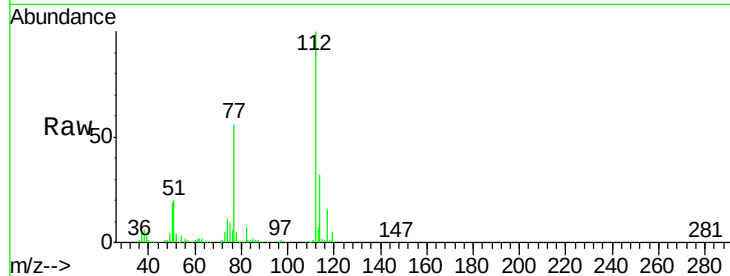
#65
Chlorobenzene
Concen: 19.410 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	121265		
114	32.2	25.8	38.6	

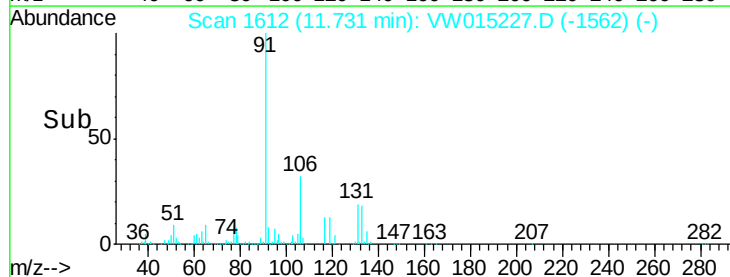
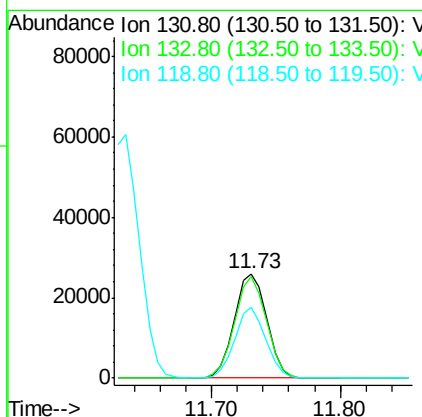
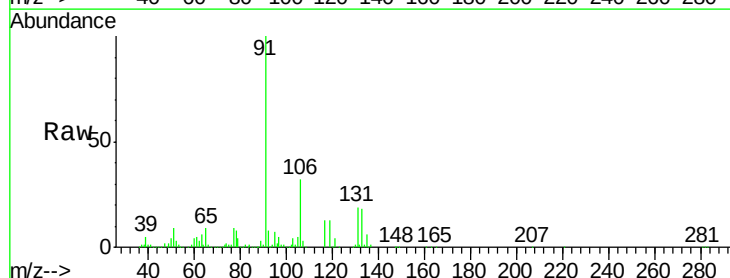
Manual Integrations
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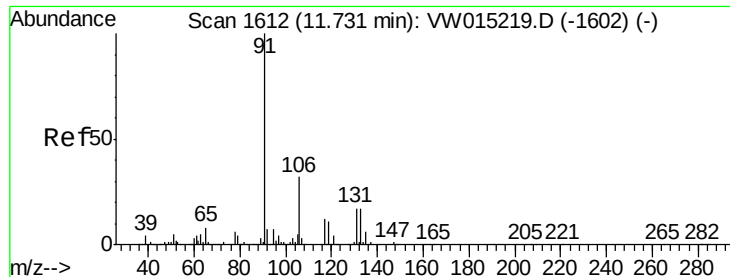
MMDadoda
4/21/2020 10:00:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.197 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	45352		
133	95.4	47.7	143.1	
119	64.8	34.0	101.8	





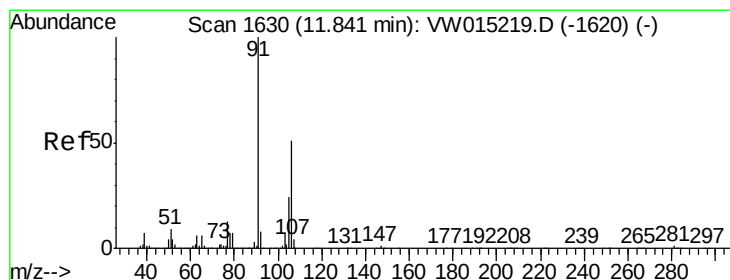
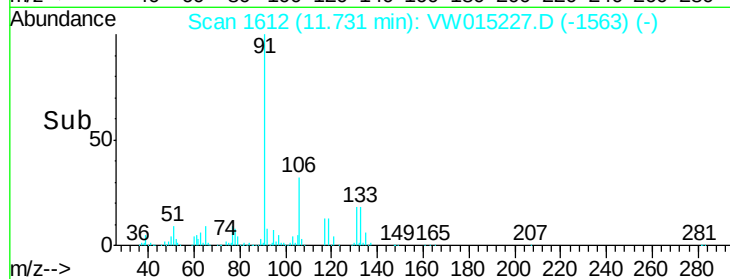
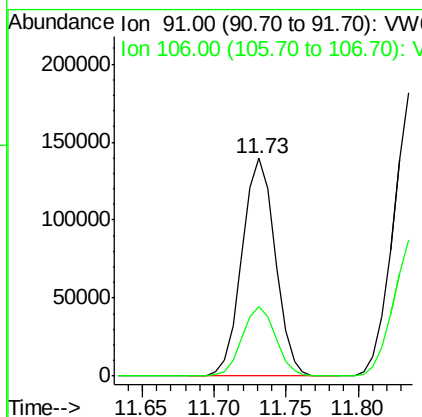
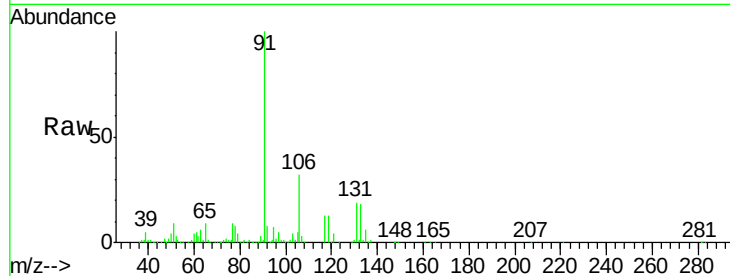
#67
Ethyl Benzene
Concen: 19.179 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.7	38.5

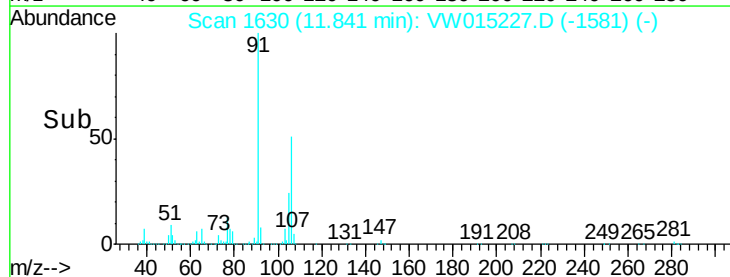
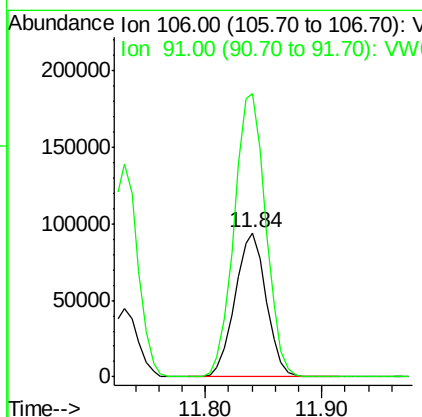
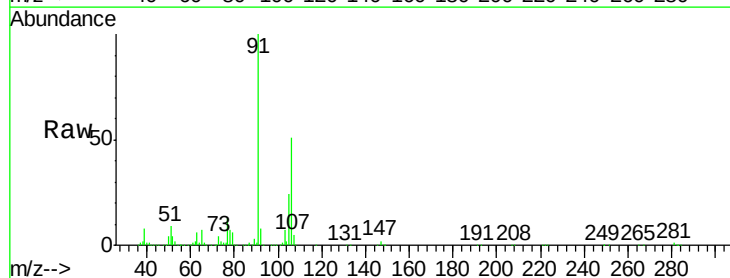
Manual Integrations
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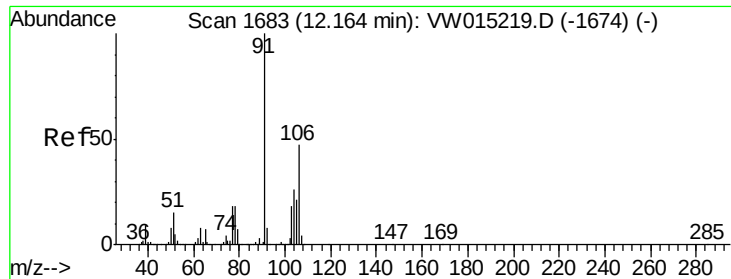
MMDadoda
4/21/2020 10:00:50 AM



#68
m/p-Xylenes
Concen: 38.198 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.7	160.0	240.0





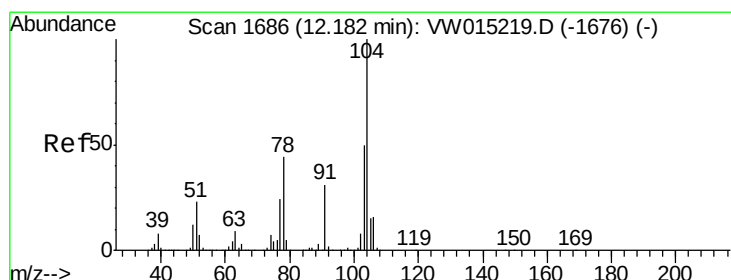
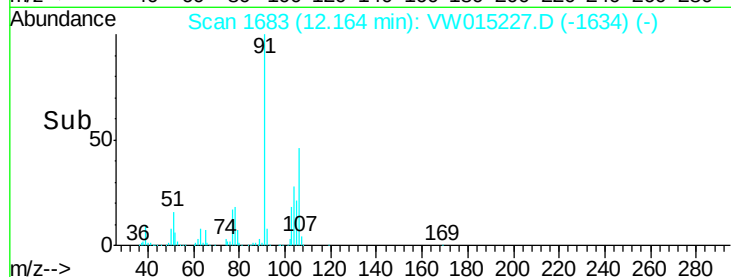
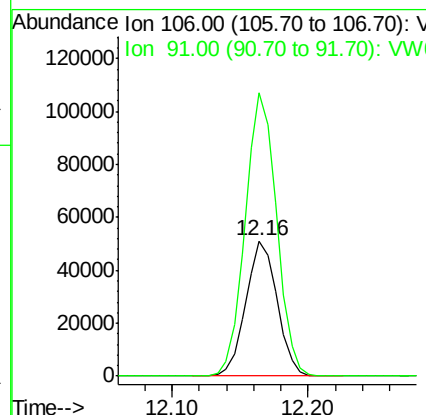
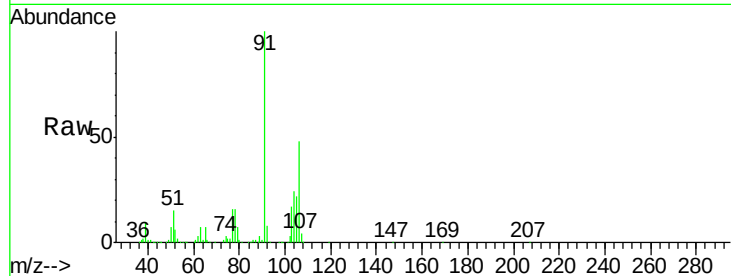
#69
o-Xylene
Concen: 19.235 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion:106 Resp: 81993
Ion Ratio Lower Upper
106 100
91 211.4 105.7 317.1

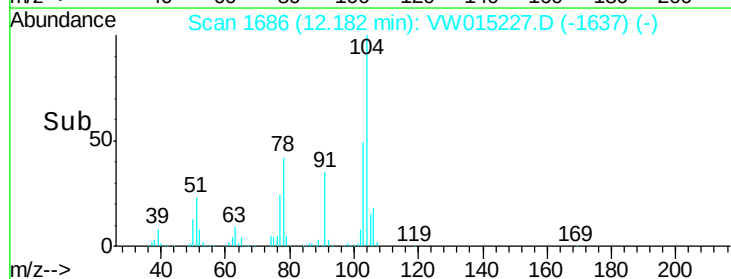
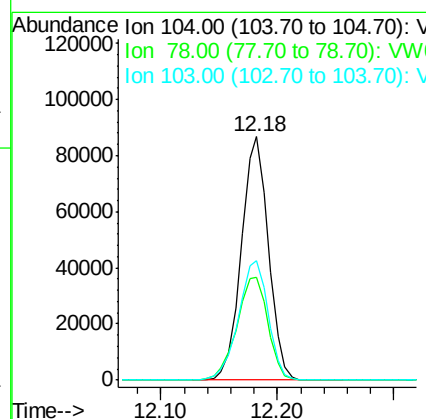
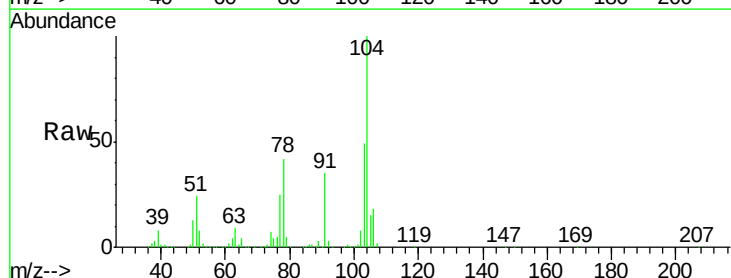
Manual Integrations
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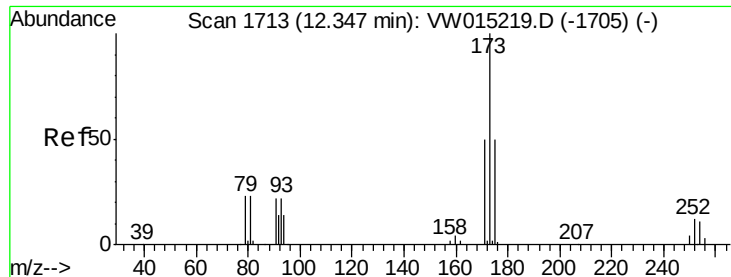
MMDadoda
4/21/2020 10:00:50 AM



#70
Styrene
Concen: 19.346 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion:104 Resp: 140571
Ion Ratio Lower Upper
104 100
78 48.3 39.8 59.6
103 53.7 43.8 65.6





#71

Bromoform

Concen: 19.606 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion:173 Resp: 24806

Ion Ratio Lower Upper

173 100

175 49.3 25.1 75.4

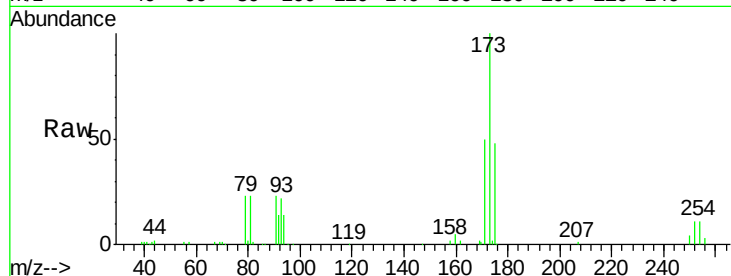
254 0.0 0.1 0.1#

Manual Integrations

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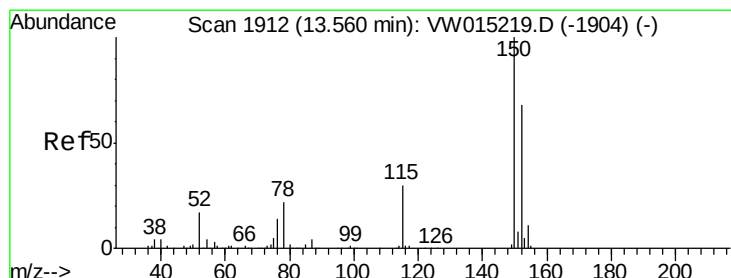
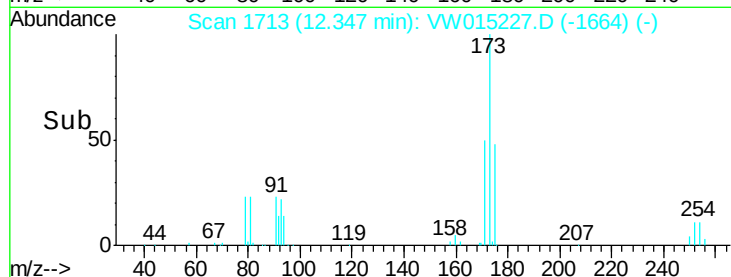
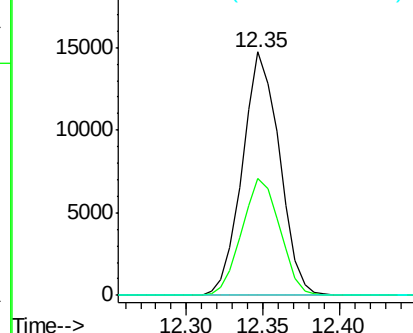
4/21/2020 10:00:50 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

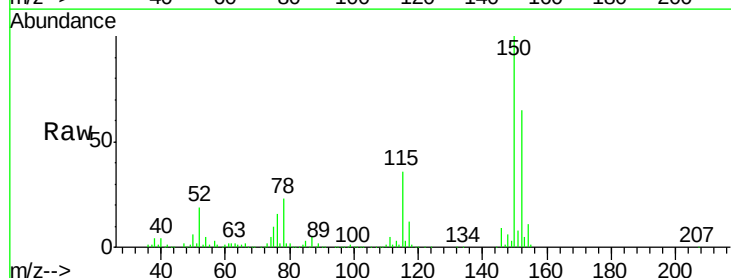
Tgt Ion:152 Resp: 165002

Ion Ratio Lower Upper

152 100

115 57.8 31.3 93.9

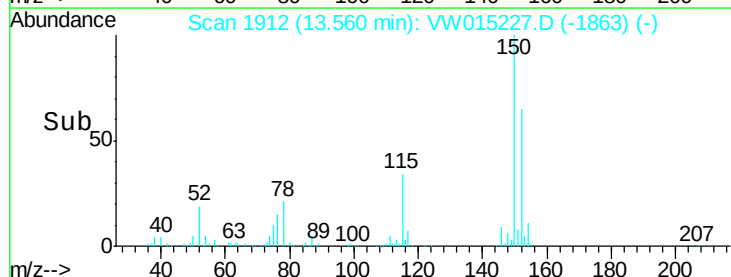
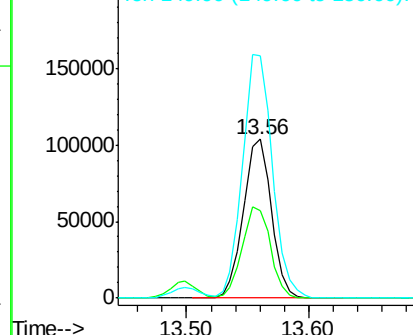
150 163.2 0.0 343.4

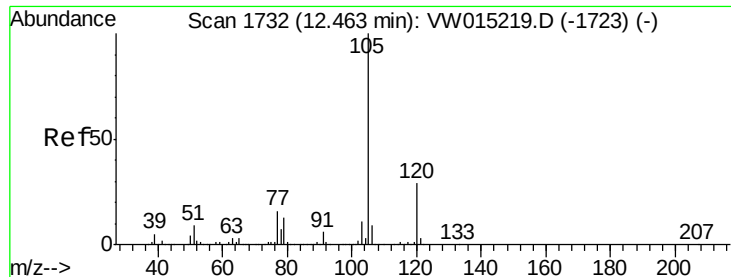


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.109 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion:105 Resp: 230052

Ion Ratio Lower Upper

105 100

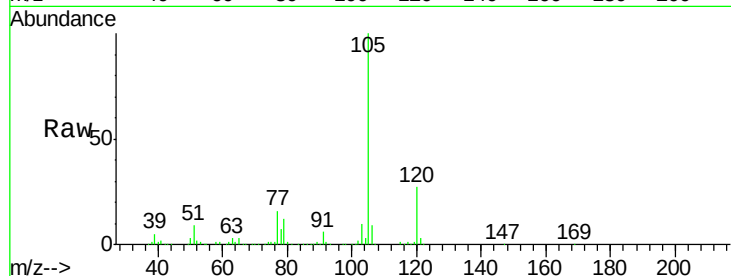
120 26.7 13.7 41.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

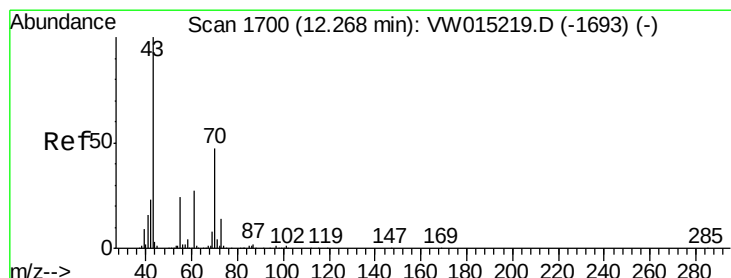
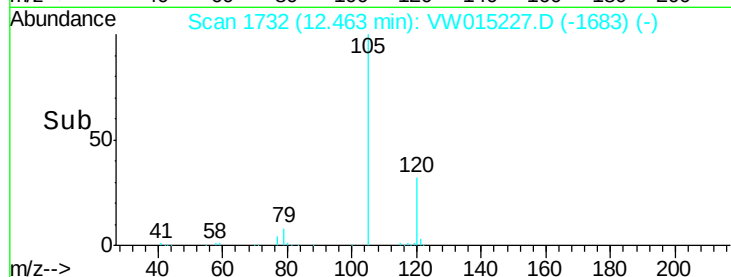
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 20.608 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Tgt Ion: 43 Resp: 41017

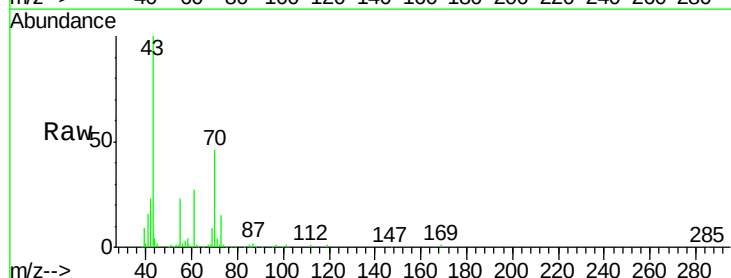
Ion Ratio Lower Upper

43 100

70 46.9 35.4 53.2

55 24.4 18.5 27.7

61 25.6 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

30000

20000

10000

0

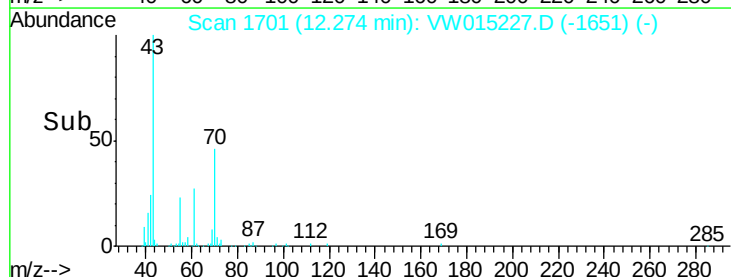
12.27

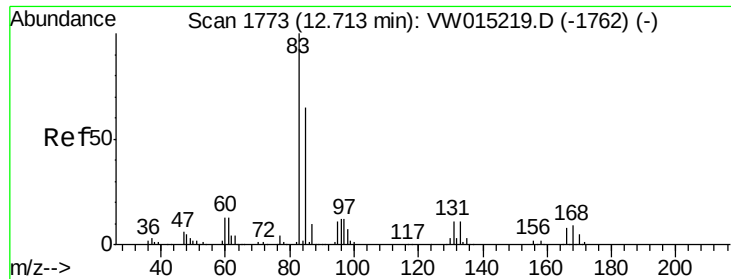
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.125 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

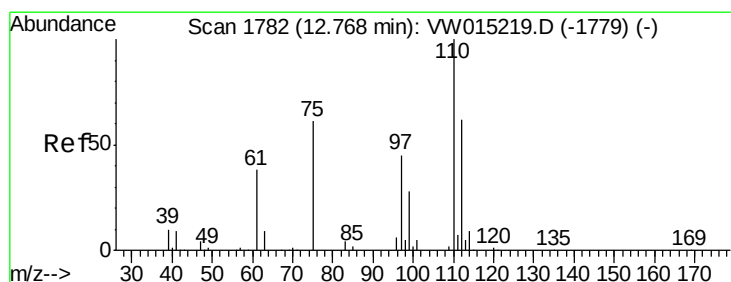
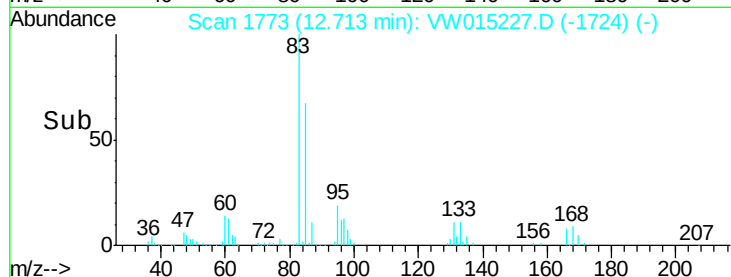
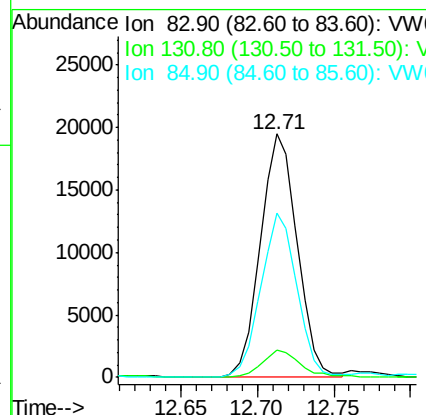
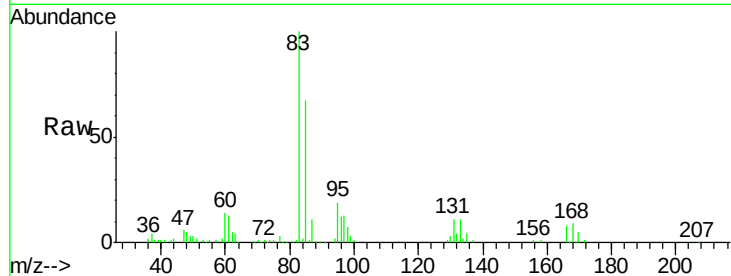
ClientSampleId :

VW0420SBS01

Tot Ion:	83	Resp:	32689
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.1	15.2
85	66.4	32.3	96.8

Manual Integrations
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MMDadoda
4/21/2020 10:00:50 AM



#76

1,2,3-Trichloropropane

Concen: 21.436 ug/l m

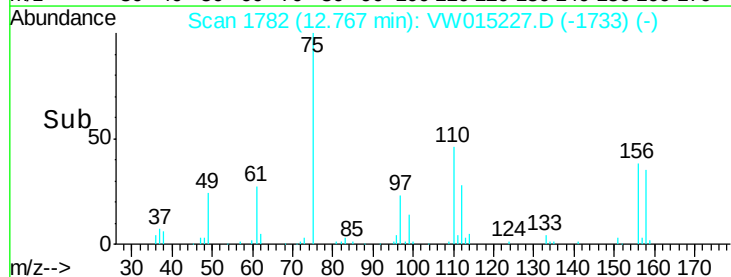
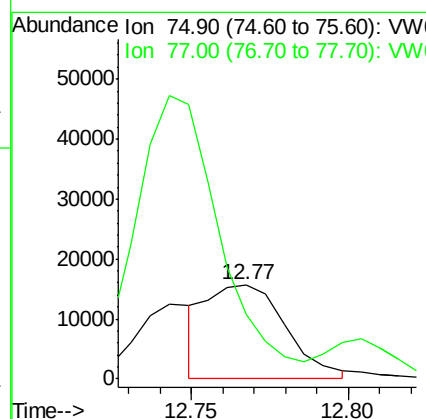
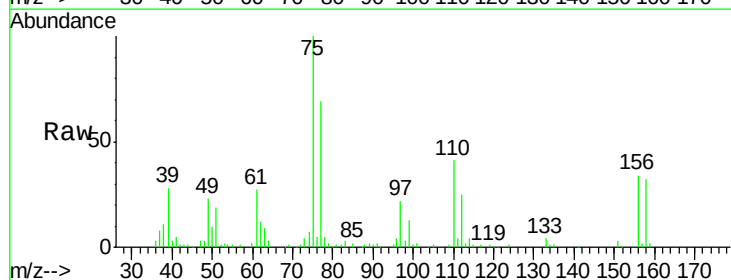
RT: 12.77 min Scan# 1782

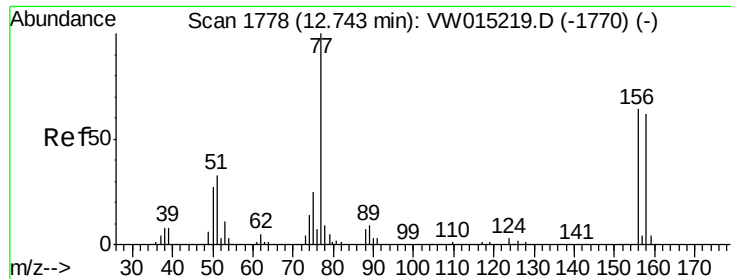
Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Tgt Ion:	75	Resp:	27362
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





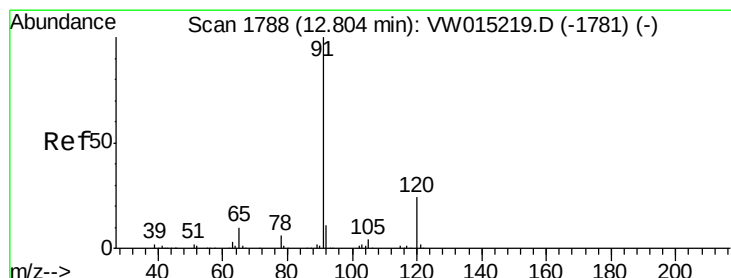
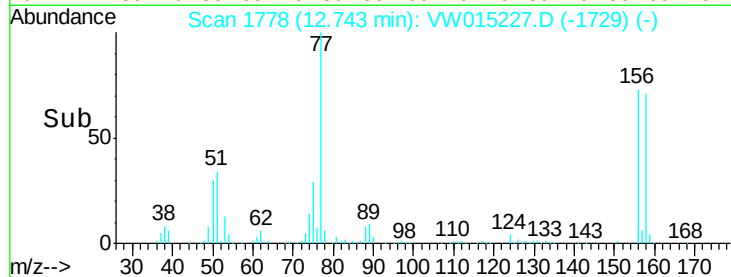
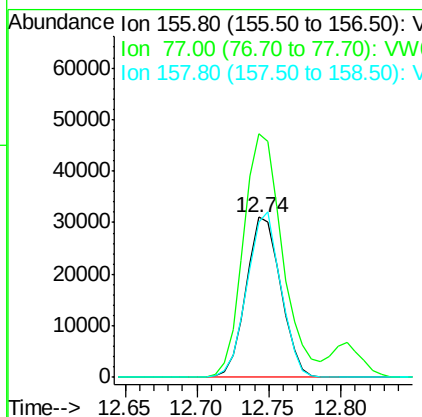
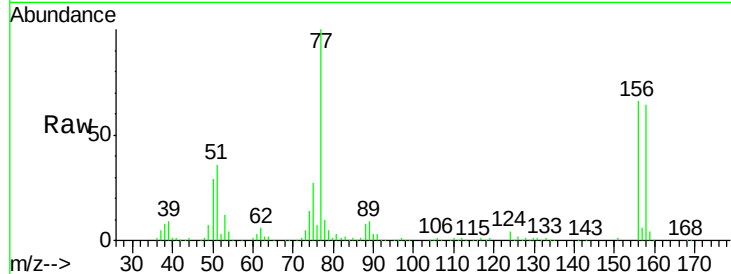
#77
Bromobenzene
Concen: 19.753 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	171.2	100.5	301.5	
158	100.2	47.9	143.8	

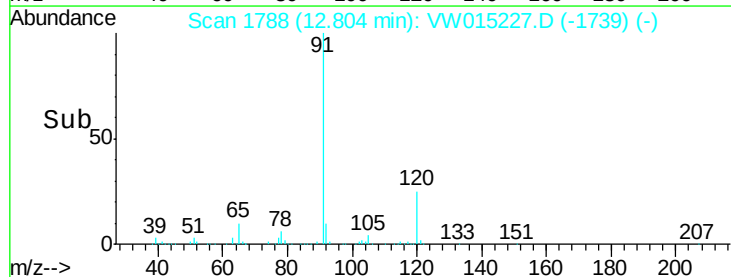
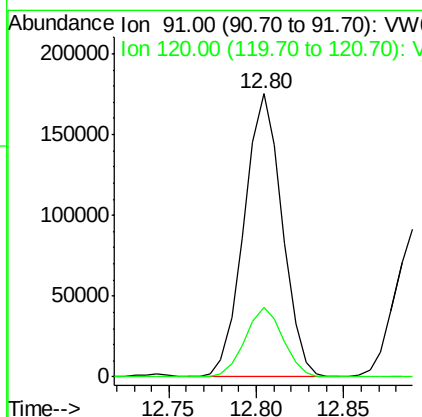
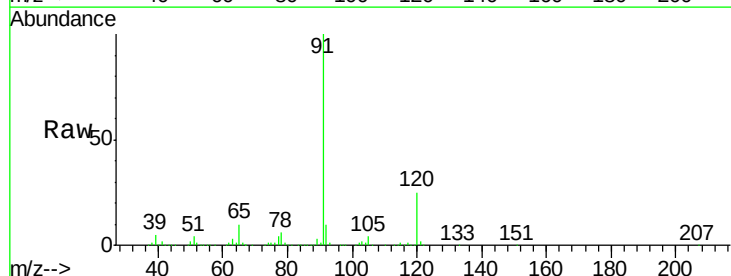
Manual Integrations
APPROVED

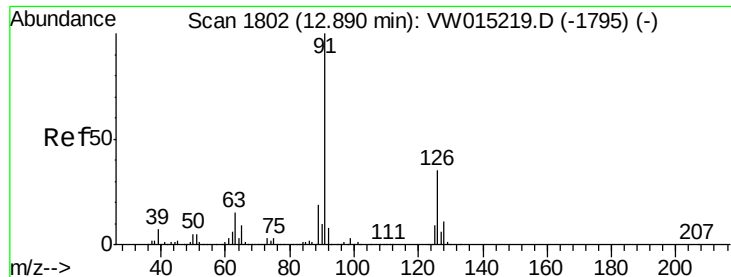
MMDadoda
4/21/2020 10:00:50 AM



#78
n-propylbenzene
Concen: 19.871 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.4	11.4	34.1	





#79

2-Chlorotoluene

Concen: 19.984 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion: 91 Resp: 150016

Ion Ratio Lower Upper

91 100

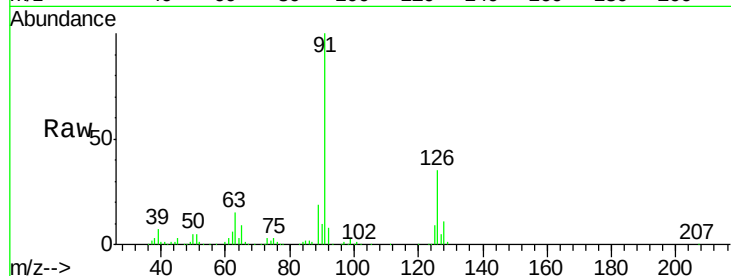
126 35.2 16.8 50.4

Manual Integrations

APPROVED

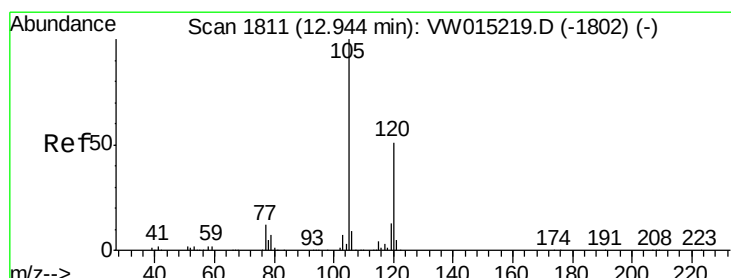
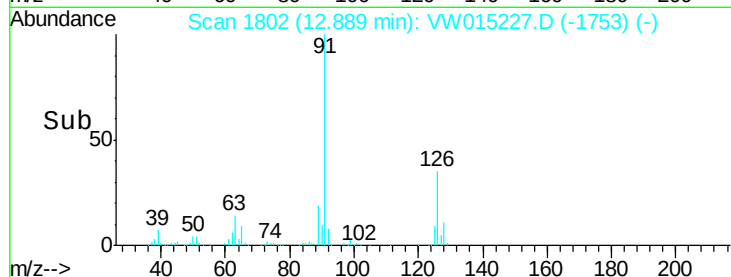
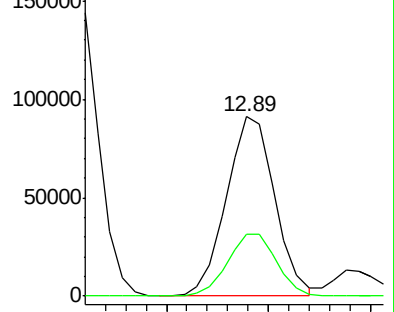
MMDadoda

4/21/2020 10:00:50 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.771 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015227.D

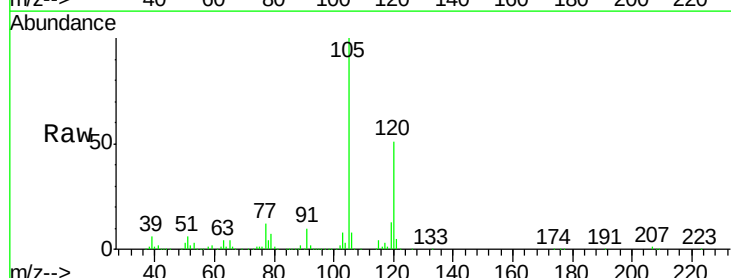
Acq: 20 Apr 2020 17:10

Tgt Ion:105 Resp: 194843

Ion Ratio Lower Upper

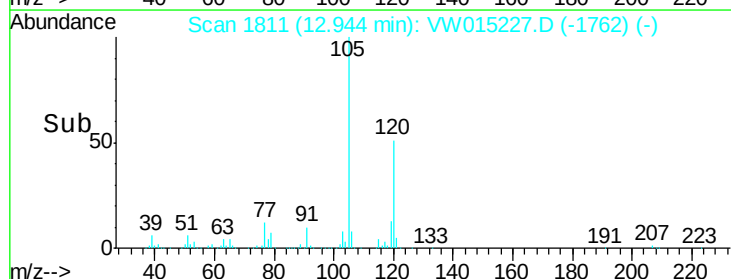
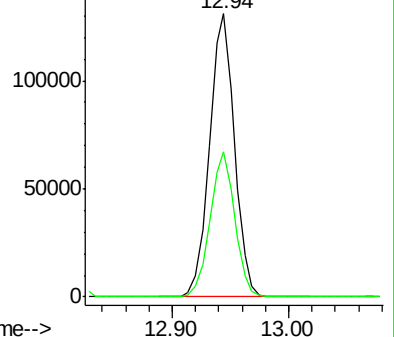
105 100

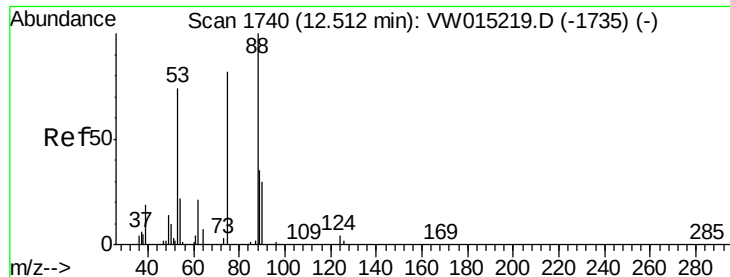
120 50.8 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





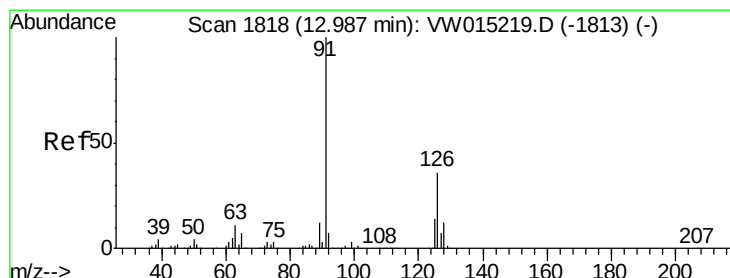
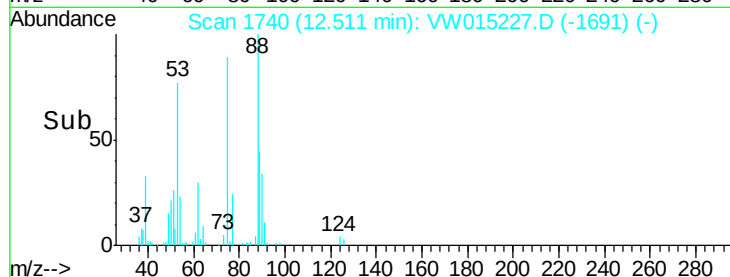
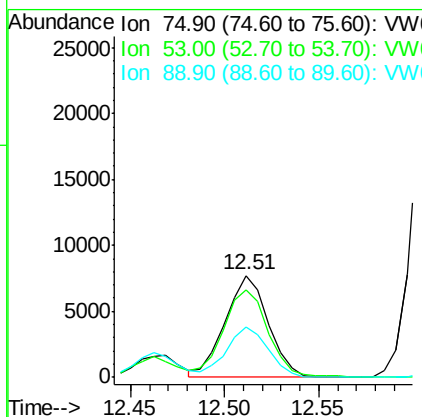
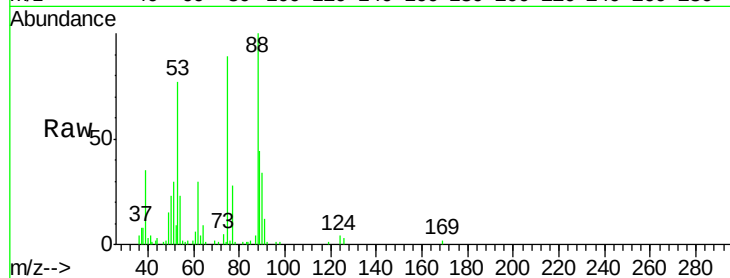
#81
trans-1,4-Dichloro-2-butene
Concen: 20.871 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.2	69.4	104.2
89	47.9	34.8	52.2

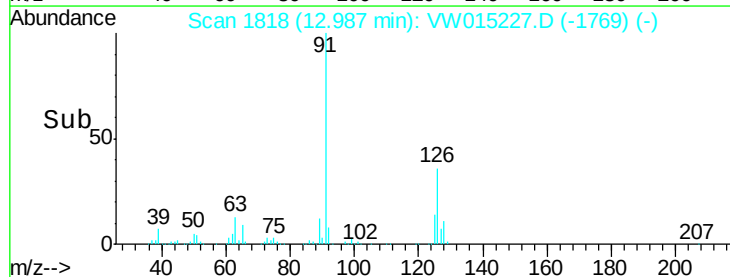
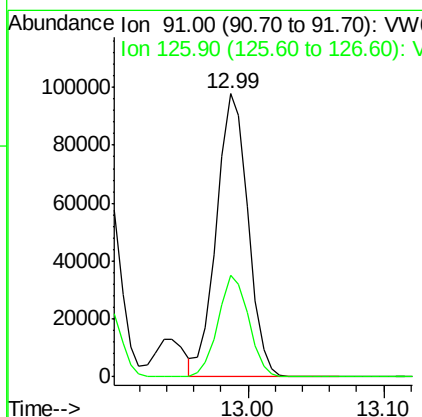
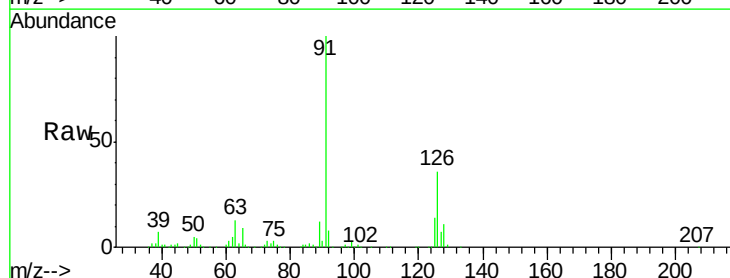
Manual Integrations
APPROVED

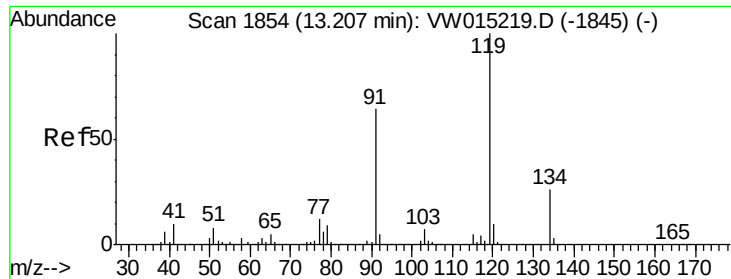
MMDadoda
4/21/2020 10:00:50 AM



#82
4-Chlorotoluene
Concen: 19.624 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.8	50.3





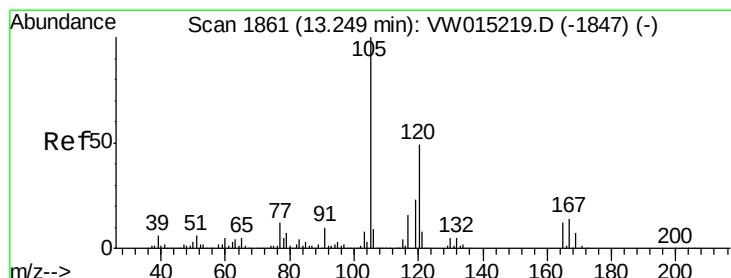
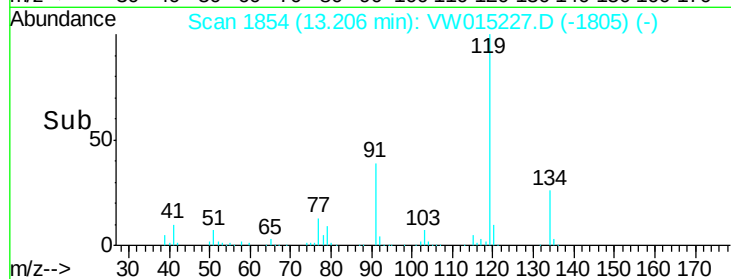
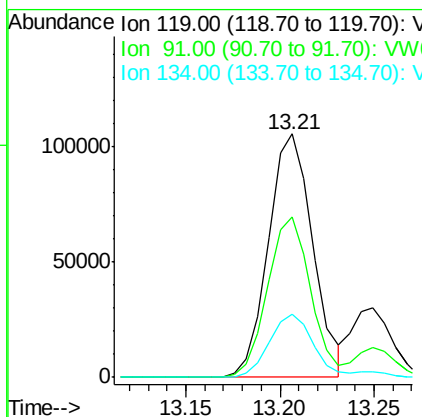
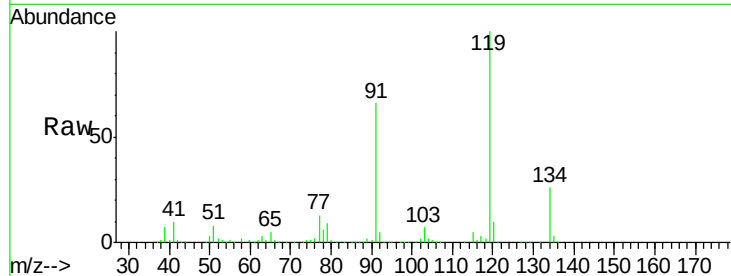
#83
tert-Butylbenzene
Concen: 20.050 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	172701		
91	63.5	32.8	98.3	
134	25.4	13.3	39.9	

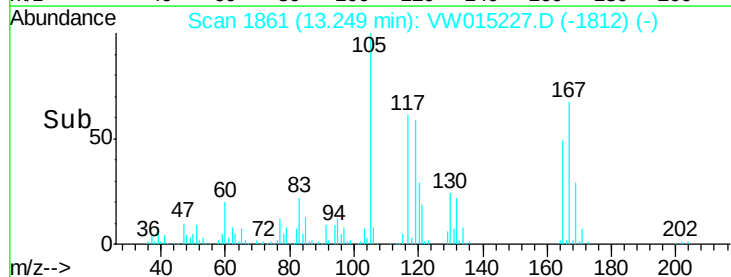
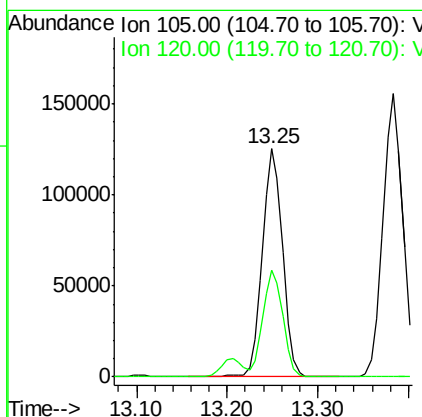
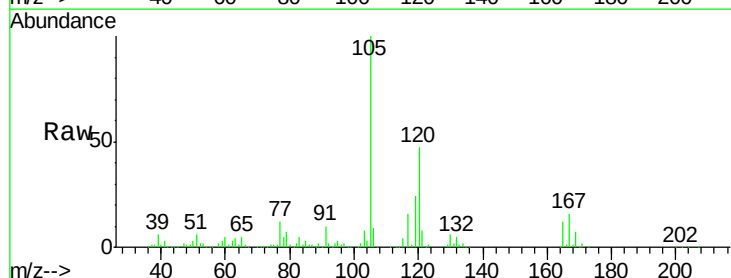
Manual Integrations
APPROVED

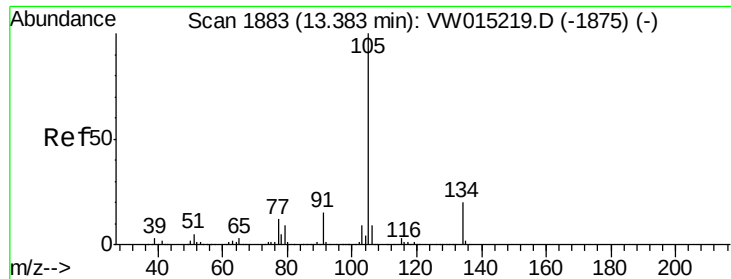
MMDadoda
4/21/2020 10:00:50 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.940 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193824		
120	46.2	23.0	69.0	





#85

sec-Butylbenzene

Concen: 19.719 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Instrument :

MSVOA_W

ClientSampleId :

VW0420SBS01

Tot Ion:105 Resp: 234565

Ion Ratio Lower Upper

105 100

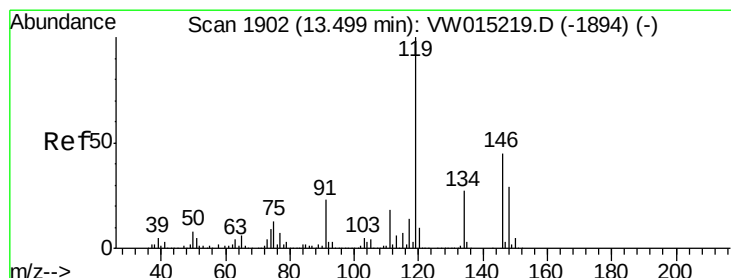
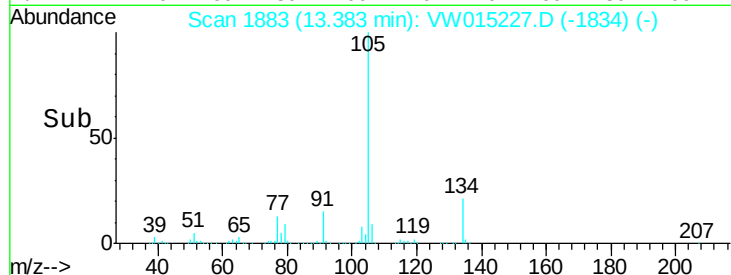
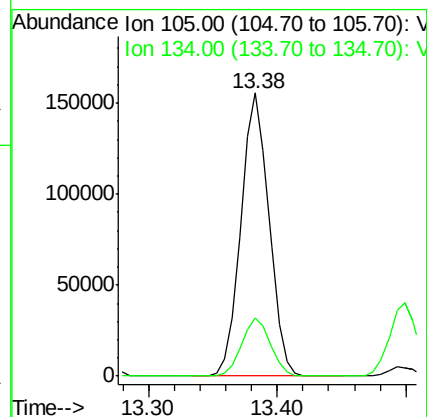
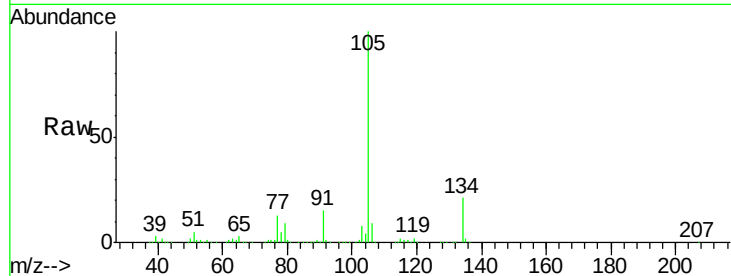
134 20.9 10.1 30.1

Manual Integrations

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MMDadoda

4/21/2020 10:00:50 AM



#86

p-Isopropyltoluene

Concen: 19.772 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

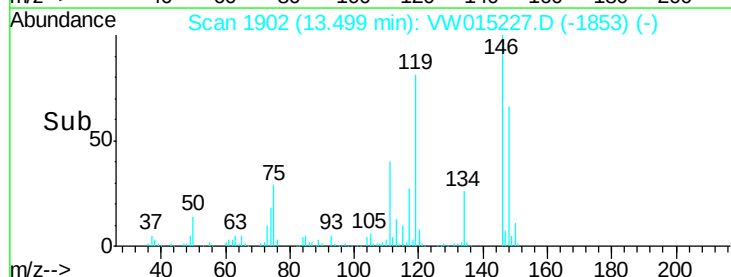
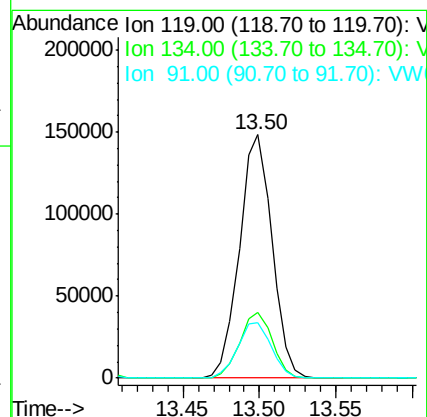
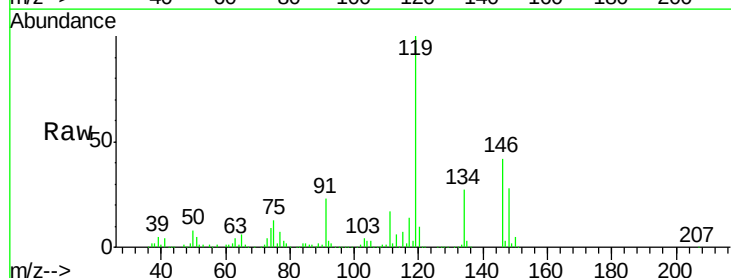
Tgt Ion:119 Resp: 218543

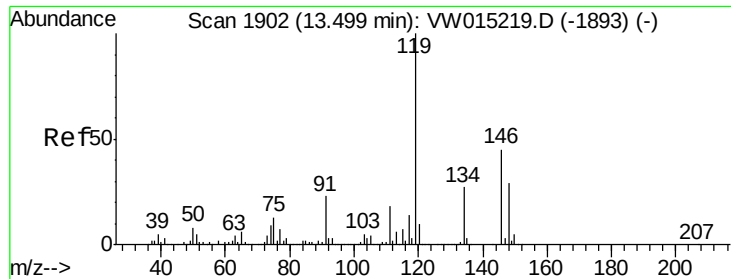
Ion Ratio Lower Upper

119 100

134 27.4 13.3 39.9

91 23.3 12.0 36.1





#87

1,3-Dichlorobenzene

Concen: 19.906 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

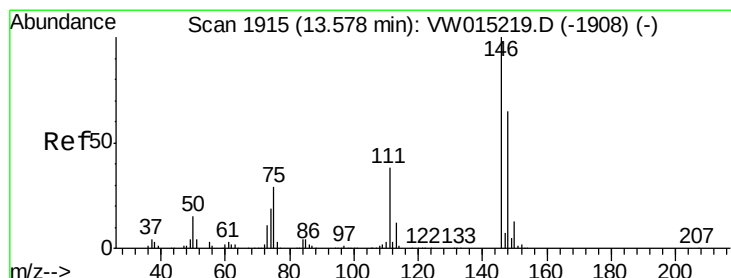
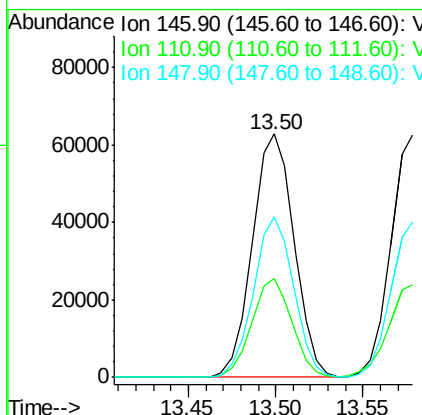
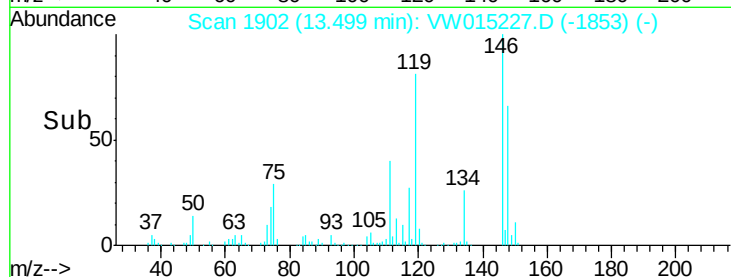
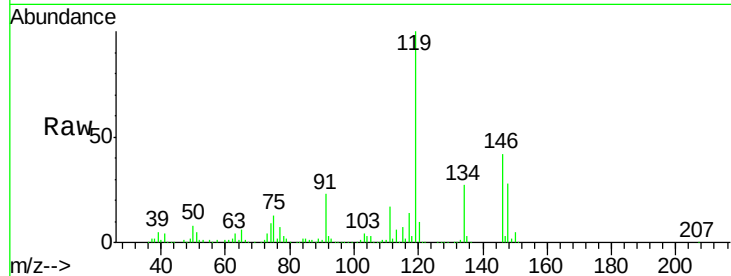
Instrument :
MSVOA_W

ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	103958		
111	39.0		21.1	63.4
148	63.5		31.8	95.3

Manual Integrations
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4/21/2020 10:00:50 AM



#88

1,4-Dichlorobenzene

Concen: 20.168 ug/l

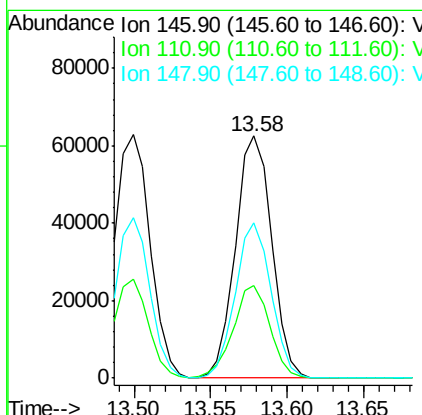
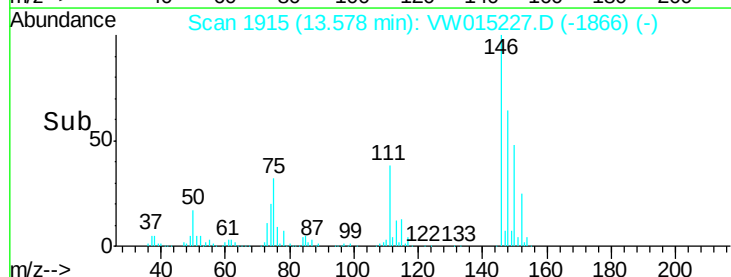
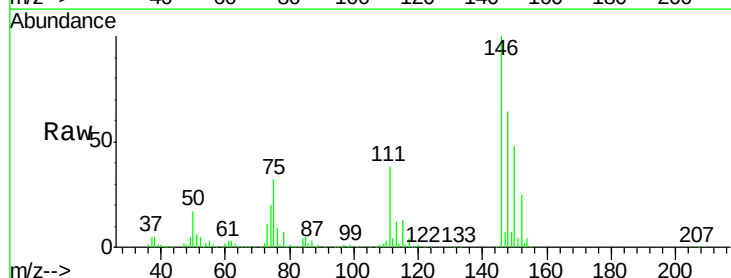
RT: 13.58 min Scan# 1915

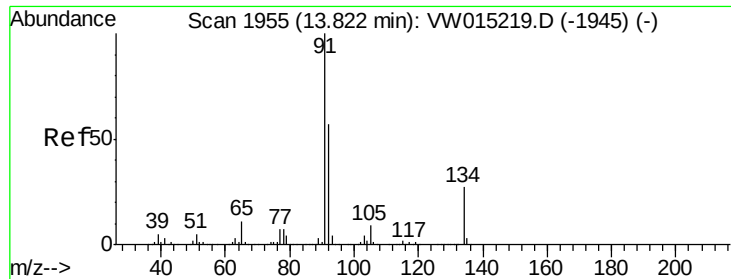
Delta R.T. -0.00 min

Lab File: VW015227.D

Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	103246		
111	38.9		20.4	61.3
148	63.0		31.5	94.5





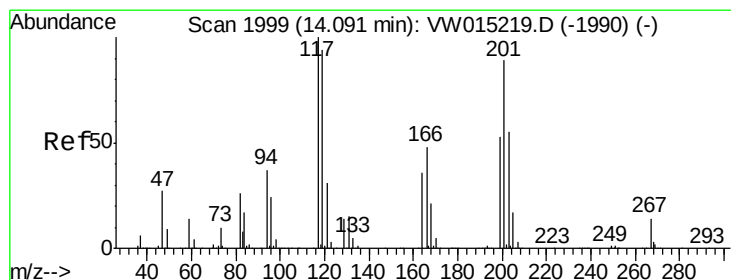
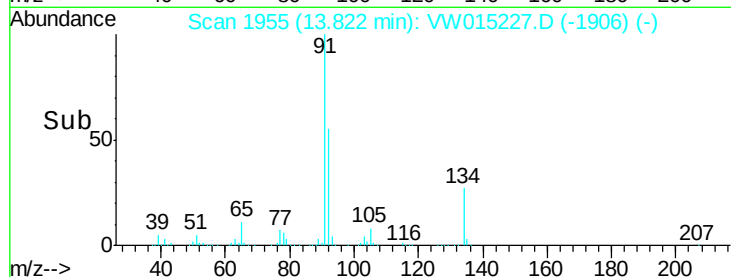
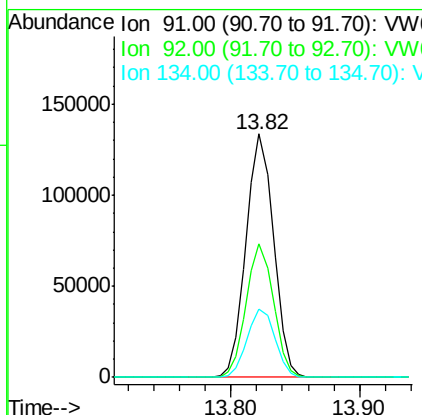
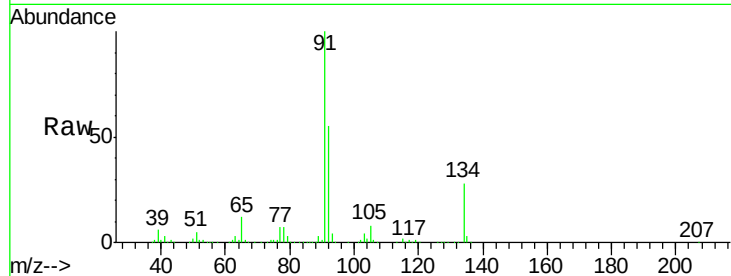
#89
n-Butylbenzene
Concen: 19.556 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	197578		
92	54.5		27.6	82.7
134	28.3		12.8	38.3

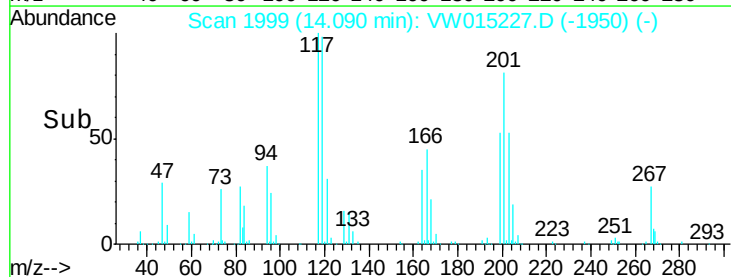
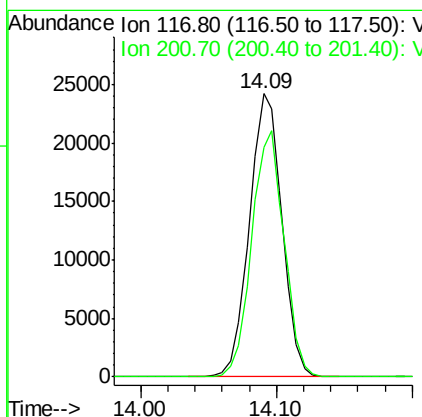
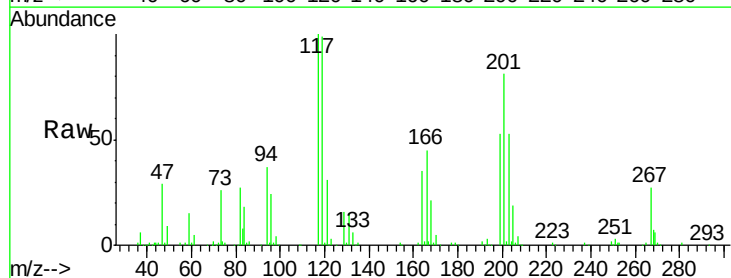
Manual Integrations
APPROVED

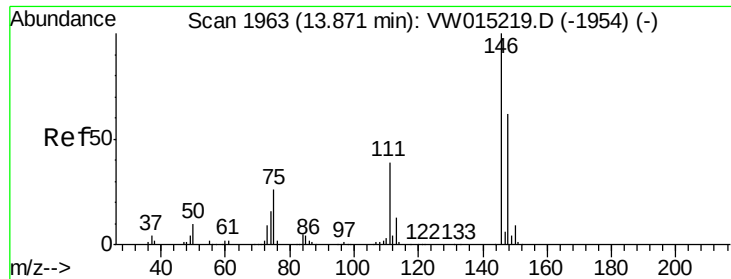
MMDadoda
4/21/2020 10:00:50 AM



#90
Hexachloroethane
Concen: 20.025 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40593		
201	86.3		33.6	100.6





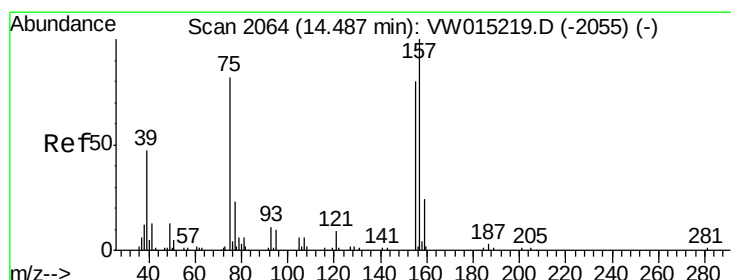
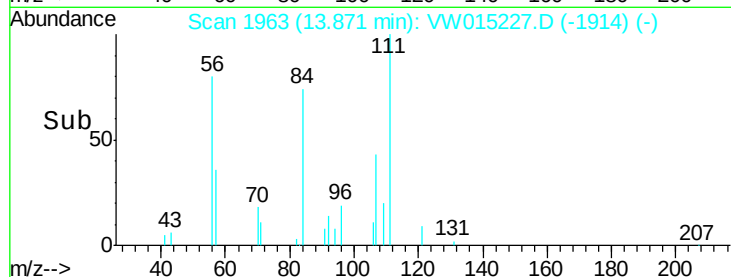
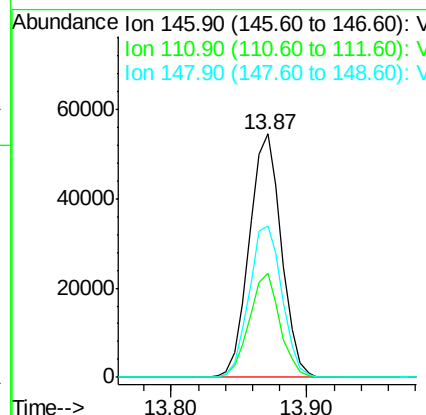
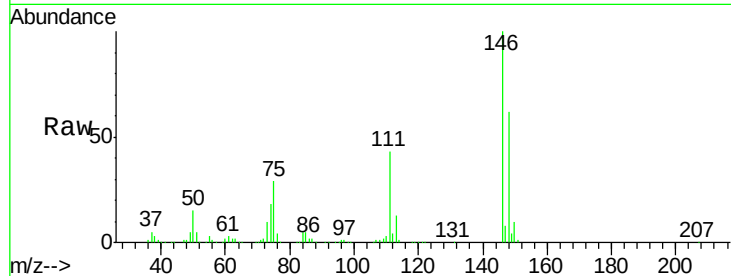
#91
 1,2-Dichlorobenzene
 Concen: 19.859 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.6	65.0
148	63.8	31.0	93.0

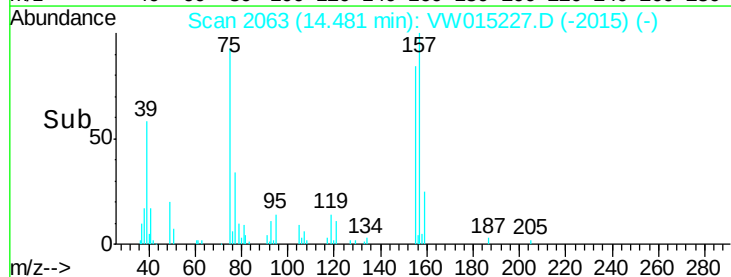
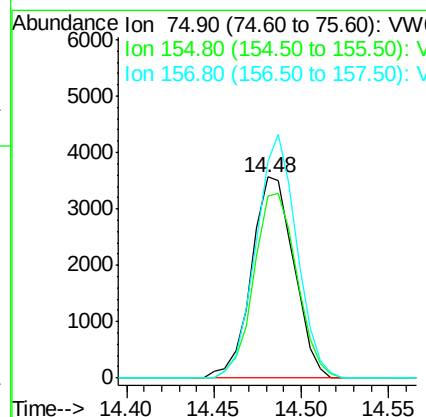
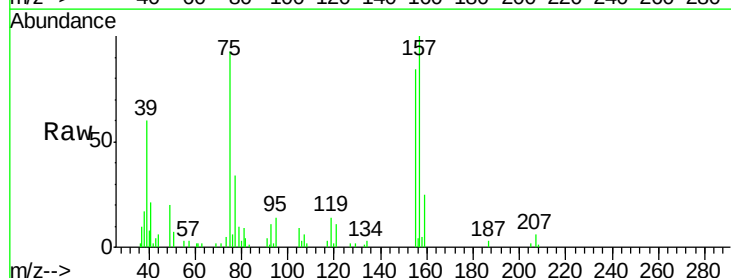
Manual Integrations
 APPROVED

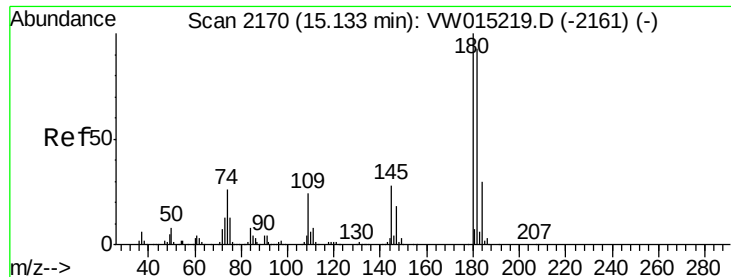
MMDadoda
 4/21/2020 10:00:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.361 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	41.6	124.9
157	116.6	53.8	161.2





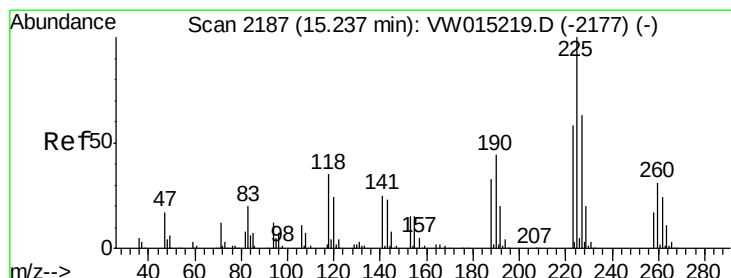
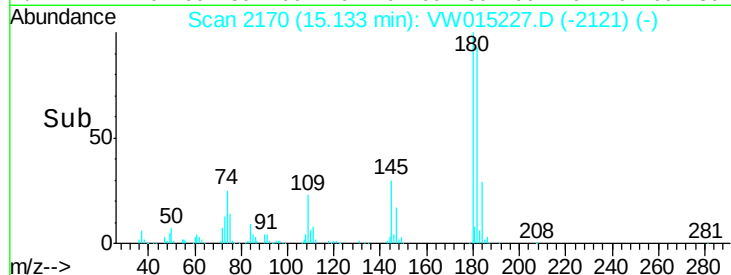
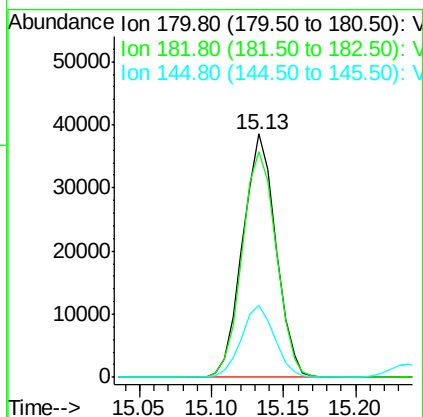
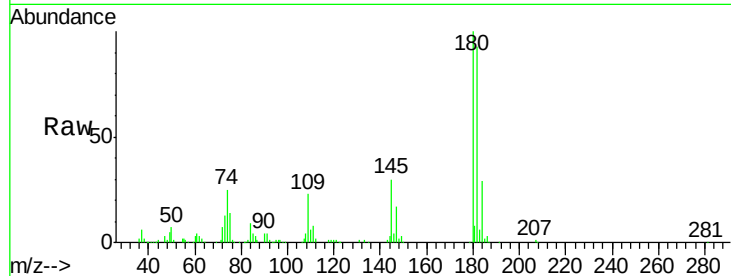
#93
 1,2,4-Trichlorobenzene
 Concen: 19.562 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0420SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	61707		
182	95.3	47.1	141.4	
145	29.7	16.2	48.6	

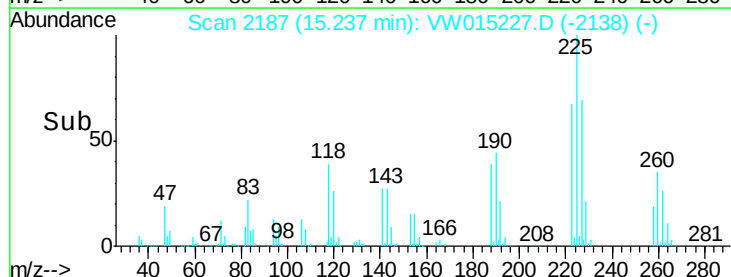
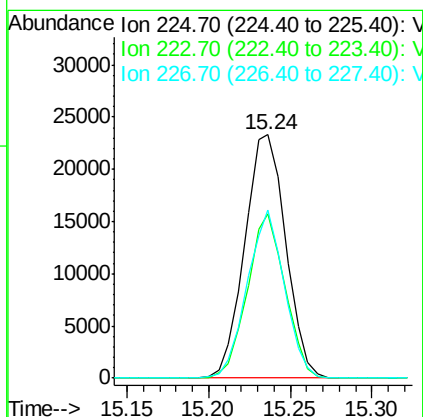
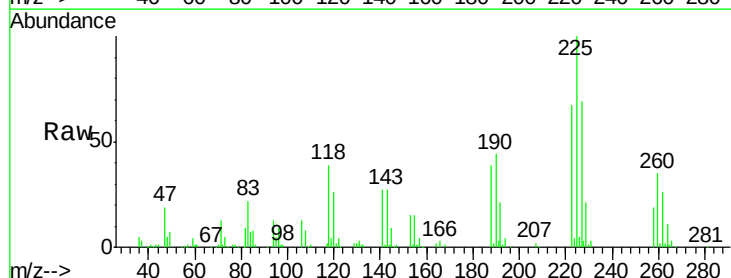
Manual Integrations
 APPROVED

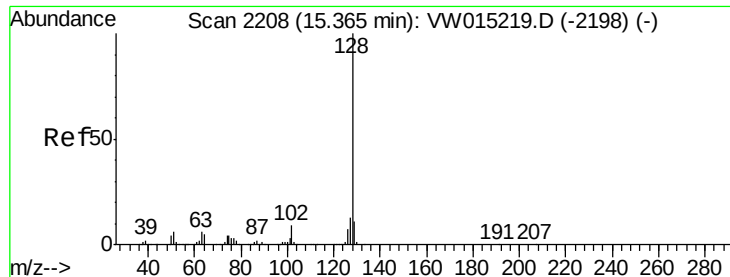
MMDadoda
 4/21/2020 10:00:50 AM



#94
 Hexachlorobutadiene
 Concen: 19.415 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015227.D
 Acq: 20 Apr 2020 17:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	40830		
223	62.1	31.0	93.0	
227	62.6	30.8	92.3	





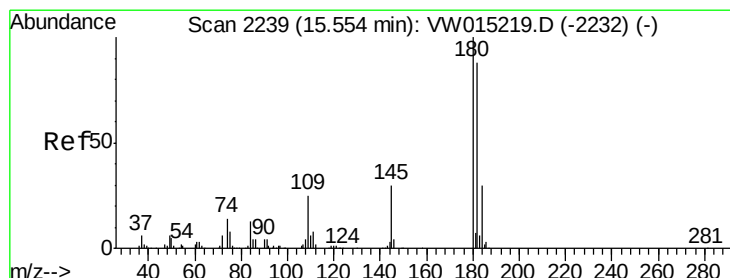
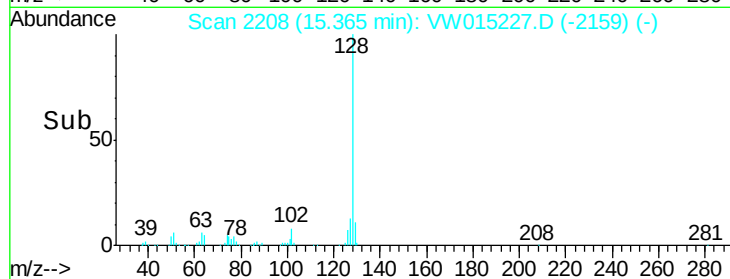
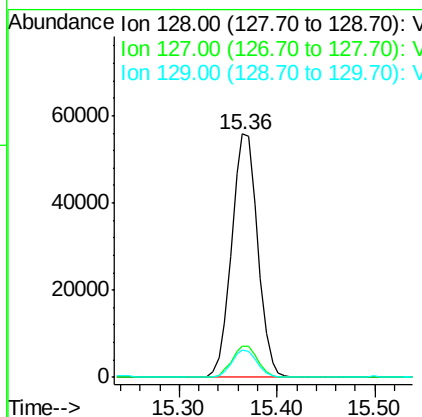
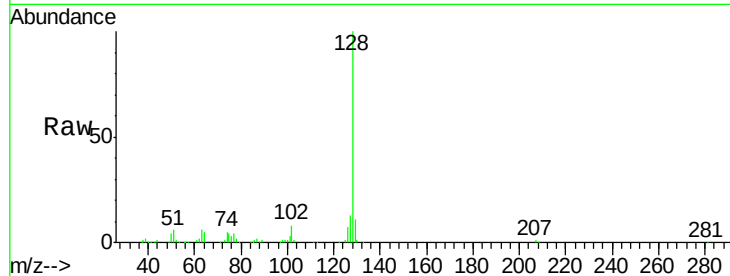
#95
Naphthalene
Concen: 20.309 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Instrument :
MSVOA_W
ClientSampleId :
VW0420SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		103051		
127	12.8		10.3	15.5	
129	10.9		8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:00:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.595 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW015227.D
Acq: 20 Apr 2020 17:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		50289		
182	95.6		48.8	146.3	
145	31.4		17.2	51.6	

