

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015297.D
 Acq On : 22 Apr 2020 06:55
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:41:31 AM

Quant Time: Apr 22 07:56:44 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	207236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	312530	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	177119	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	91040	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	
35) Dibromofluoromethane	7.88	113	92722	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
50) Toluene-d8	10.32	98	361708	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.62	95	145994	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	70633	43.160	ug/l	97
3) Chloromethane	2.22	50	84391	47.354	ug/l	100
4) Vinyl Chloride	2.36	62	97406	46.285	ug/l	100
5) Bromomethane	2.76	94	85996	57.472	ug/l	92
6) Chloroethane	2.91	64	62211	47.657	ug/l	100
7) Trichlorofluoromethane	3.26	101	129941	43.635	ug/l	98
8) Diethyl Ether	3.69	74	43794	52.393	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.06	101	80154	43.647	ug/l	91
10) Methyl Iodide	4.28	142	87541	45.385	ug/l	99
11) Tert butyl alcohol	5.17	59	33868	245.166	ug/l	99
12) 1,1-Dichloroethene	4.04	96	80979	45.813	ug/l	94
13) Acrolein	3.90	56	22690	313.815	ug/l	99
14) Allyl chloride	4.67	41	106412	45.379	ug/l #	86
15) Acrylonitrile	5.37	53	82072	258.010	ug/l	98
16) Acetone	4.13	43	60706	205.092	ug/l	98
17) Carbon Disulfide	4.38	76	238317	45.369	ug/l	99
18) Methyl Acetate	4.67	43	40756	52.018	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	214863	52.952	ug/l	94
20) Methylene Chloride	4.92	84	96869	49.935	ug/l	91
21) trans-1,2-Dichloroethene	5.43	96	97525	48.648	ug/l	94
22) Diisopropyl ether	6.31	45	231881	51.546	ug/l	92
23) Vinyl Acetate	6.26	43	668174	253.111	ug/l	95
24) 1,1-Dichloroethane	6.22	63	156182	50.095	ug/l	98
25) 2-Butanone	7.17	43	95840	244.051	ug/l	91
26) 2,2-Dichloropropane	7.17	77	129617	39.518	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	113270	52.337	ug/l	94
28) Bromochloromethane	7.51	49	57135	50.404	ug/l #	72
29) Tetrahydrofuran	7.53	42	64379	263.135	ug/l	87
30) Chloroform	7.68	83	175363	52.116	ug/l	98
31) Cyclohexane	7.95	56	121420	38.744	ug/l	86
32) 1,1,1-Trichloroethane	7.87	97	154509	47.577	ug/l	99
36) 1,1-Dichloropropene	8.09	75	124996	44.312	ug/l	99
37) Ethyl Acetate	7.25	43	44790	48.926	ug/l #	97
38) Carbon Tetrachloride	8.07	117	135240	43.873	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	151561	40.369	ug/l	96
40) Benzene	8.32	78	363627	48.258	ug/l	97
41) Methacrylonitrile	7.49	41	25821	47.008	ug/l	89
42) 1,2-Dichloroethane	8.40	62	112752	50.830	ug/l	99
43) Isopropyl Acetate	8.42	43	95532	49.755	ug/l	96
44) Trichloroethene	9.09	130	113543	49.263	ug/l	93
45) 1,2-Dichloropropane	9.37	63	87378	49.866	ug/l	100
46) Dibromomethane	9.46	93	52714	52.006	ug/l #	87
47) Bromodichloromethane	9.65	83	135165	49.882	ug/l	97
48) Methyl methacrylate	9.43	41	43651	48.092	ug/l #	81
49) 1,4-Dioxane	9.45	88	15504	1147.359	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	232567	258.031	ug/l	96
52) Toluene	10.39	92	255777	48.503	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	129416	48.437	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	149480	48.133	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	73322	51.659	ug/l	97
56) Ethyl methacrylate	10.65	69	93510	51.141	ug/l	93
57) 1,3-Dichloropropane	10.93	76	122095	51.930	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	203149	239.645	ug/l #	89
59) 2-Hexanone	10.97	43	160053	248.764	ug/l	97
60) Dibromochloromethane	11.13	129	99551	53.122	ug/l	99
61) 1,2-Dibromoethane	11.24	107	72320	52.219	ug/l	98
64) Tetrachloroethene	10.86	164	104984	48.042	ug/l	93
65) Chlorobenzene	11.66	112	291338	48.490	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	108009	50.017	ug/l	98
67) Ethyl Benzene	11.73	91	520426	46.447	ug/l	99
68) m/p-Xylenes	11.83	106	419423	95.498	ug/l	99
69) o-Xylene	12.16	106	202212	49.327	ug/l	98
70) Styrene	12.18	104	352246	50.409	ug/l	98
71) Bromoform	12.35	173	63037	51.807	ug/l #	97
73) Isopropylbenzene	12.46	105	538582	43.857	ug/l	99
74) N-amyl acetate	12.27	43	100608	47.091	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	81683	46.847	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	63983m	46.696	ug/l	
77) Bromobenzene	12.74	156	138045	48.927	ug/l	82
78) n-propylbenzene	12.80	91	620337	43.385	ug/l	96
79) 2-Chlorotoluene	12.89	91	374936	46.530	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	478068	45.192	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	25670	40.954	ug/l	94
82) 4-Chlorotoluene	12.99	91	392647	45.894	ug/l	97
83) tert-Butylbenzene	13.21	119	419391	45.360	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	478847	45.893	ug/l	99
85) sec-Butylbenzene	13.38	105	563402	44.123	ug/l	97
86) p-Isopropyltoluene	13.50	119	521452	43.949	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	265939	47.439	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	264234	48.084	ug/l	97
89) n-Butylbenzene	13.82	91	456275	42.073	ug/l	97
90) Hexachloroethane	14.09	117	97822	44.956	ug/l	72
91) 1,2-Dichlorobenzene	13.87	146	241338	49.541	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	15444	48.945	ug/l	86

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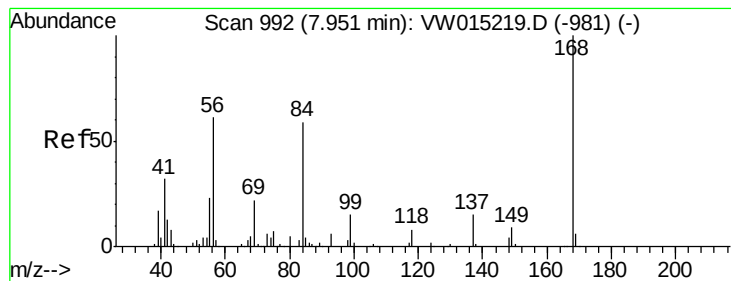
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	169040	49.923	ug/l	98
94) Hexachlorobutadiene	15.23	225	104720	46.388	ug/l	97
95) Naphthalene	15.36	128	274003	50.305	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	143355	52.035	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 207236

Ion Ratio Lower Upper

168 100

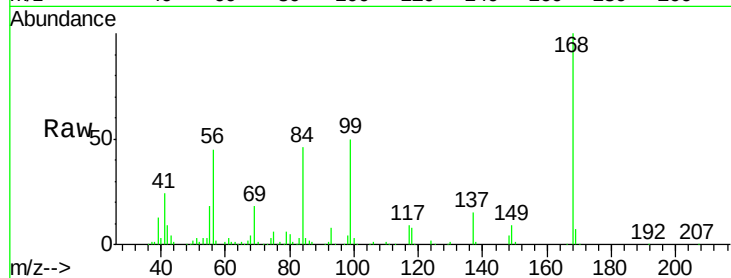
99 49.8 48.5 72.7

Manual Integrations

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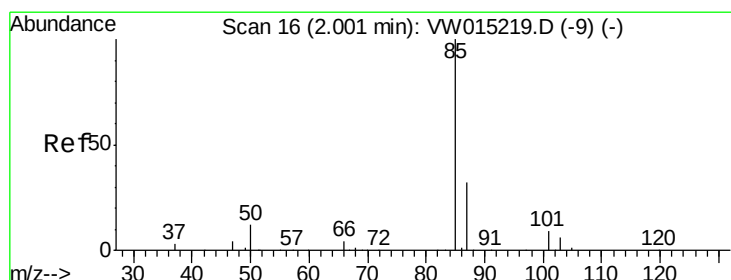
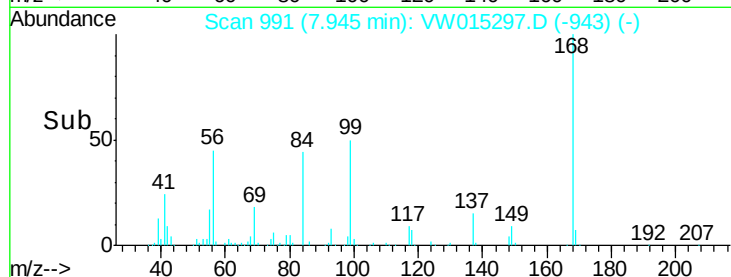
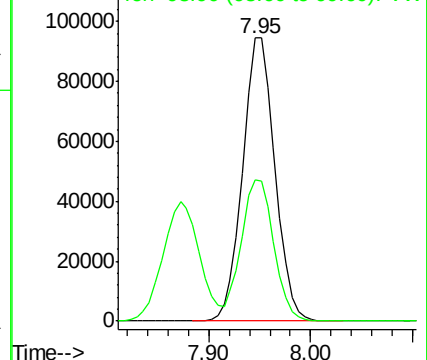
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 43.160 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015297.D

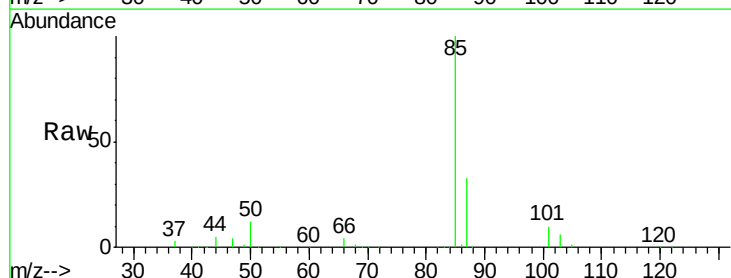
Acq: 22 Apr 2020 06:55

Tgt Ion: 85 Resp: 70633

Ion Ratio Lower Upper

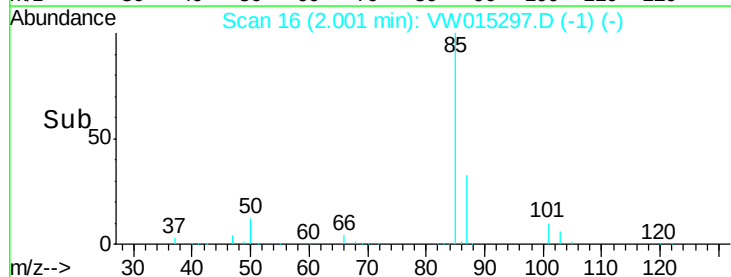
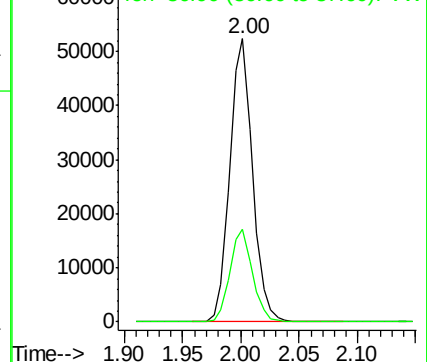
85 100

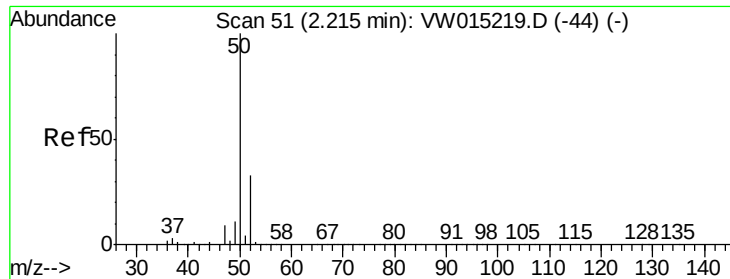
87 32.8 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.354 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 84391

Ion Ratio Lower Upper

50 100

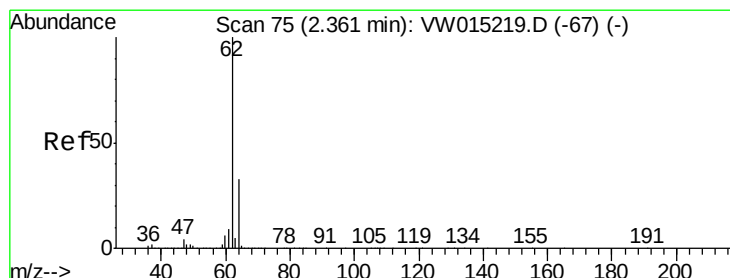
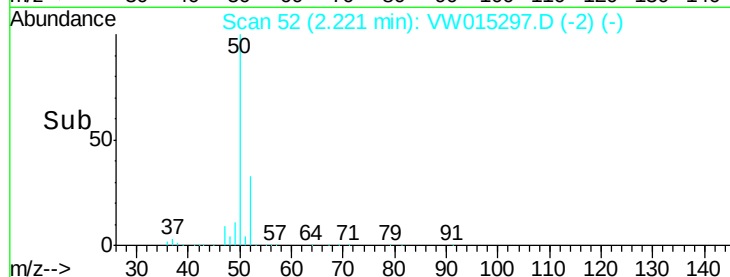
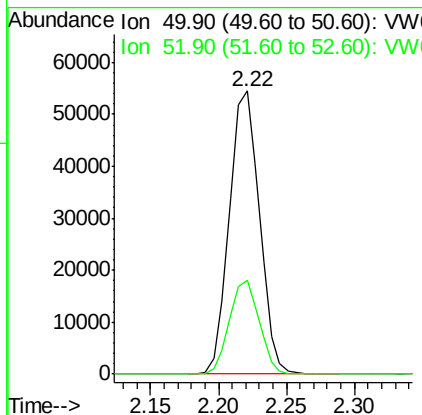
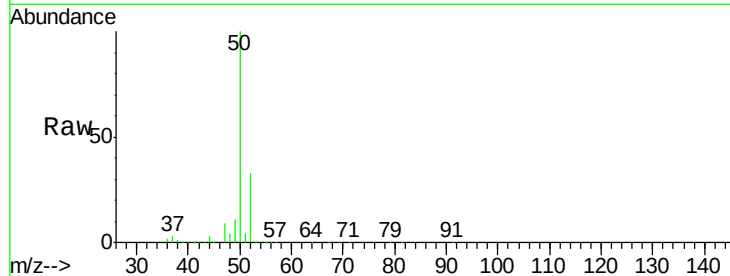
52 33.4 26.5 39.7

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#4

Vinyl Chloride

Concen: 46.285 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015297.D

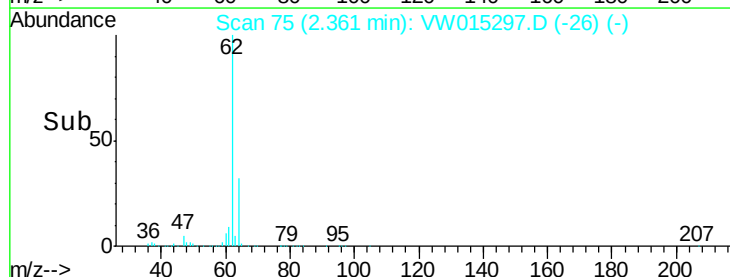
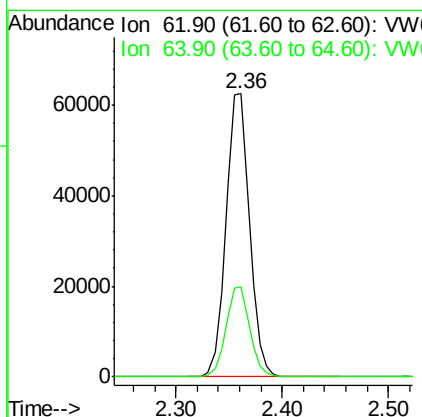
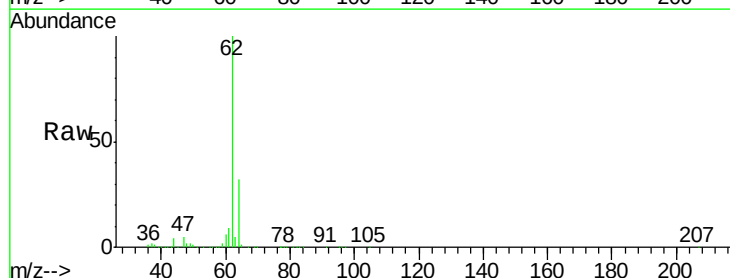
Acq: 22 Apr 2020 06:55

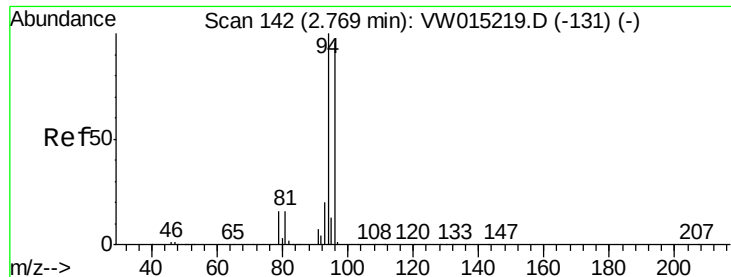
Tgt Ion: 62 Resp: 97406

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 57.472 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 85996

Ion Ratio Lower Upper

94 100

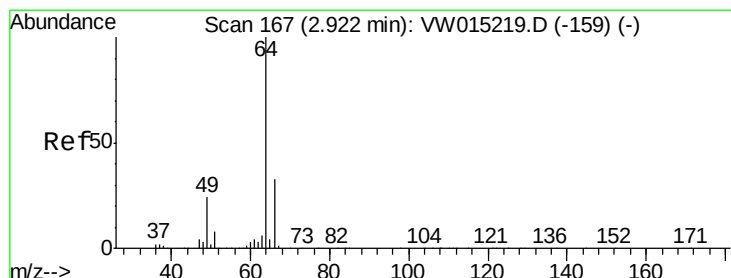
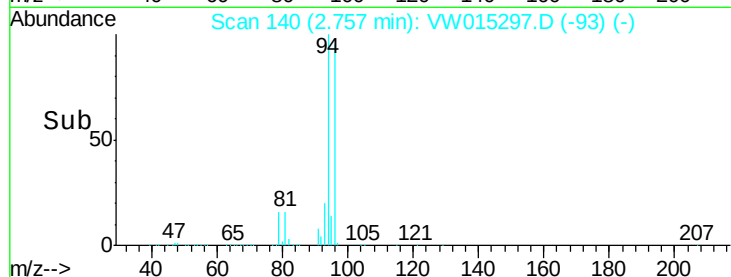
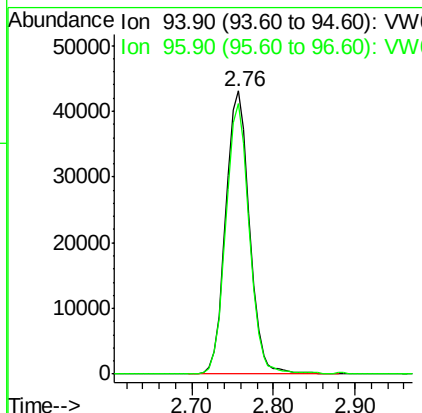
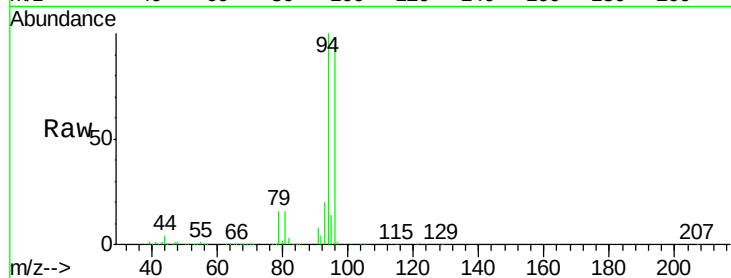
96 95.4 70.4 105.6

Manual Integrations

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#6

Chloroethane

Concen: 47.657 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW015297.D

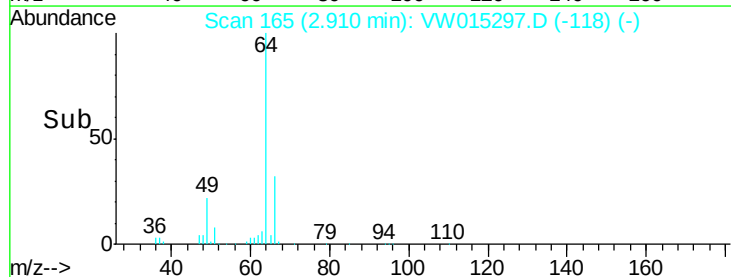
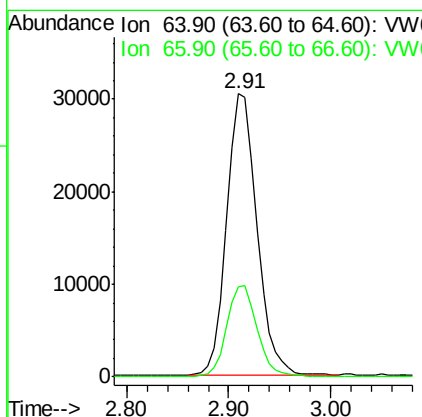
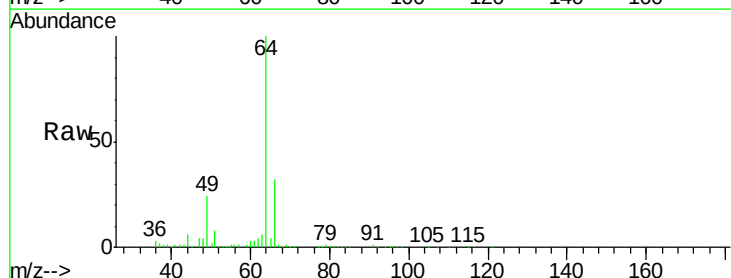
Acq: 22 Apr 2020 06:55

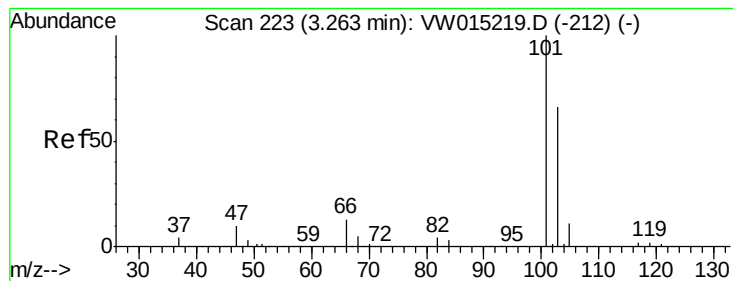
Tgt Ion: 64 Resp: 62211

Ion Ratio Lower Upper

64 100

66 32.1 25.8 38.6





#7

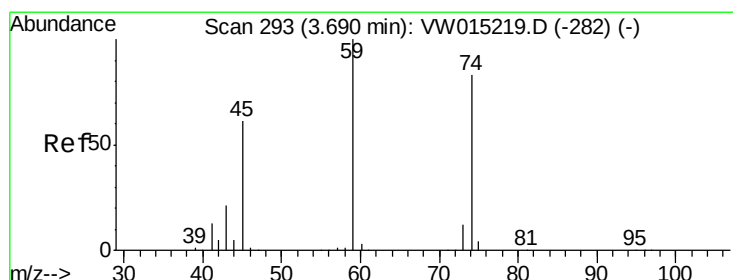
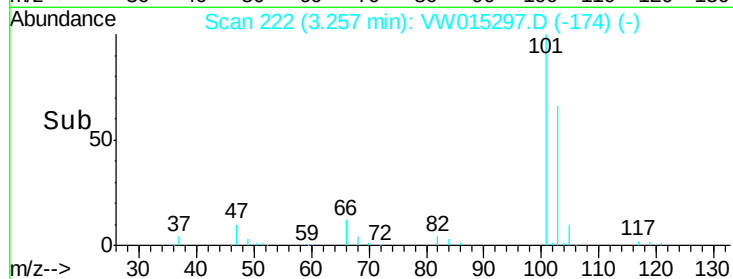
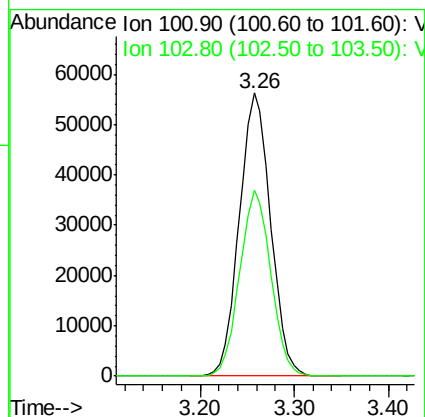
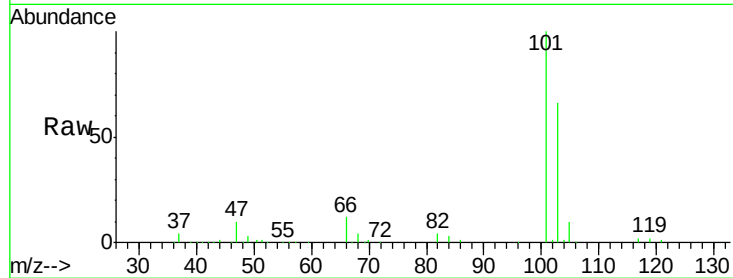
Trichlorofluoromethane
Concen: 43.635 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015297.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		129941		
103	65.8	51.3	76.9		

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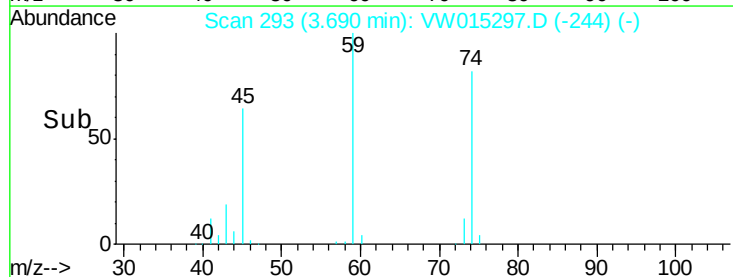
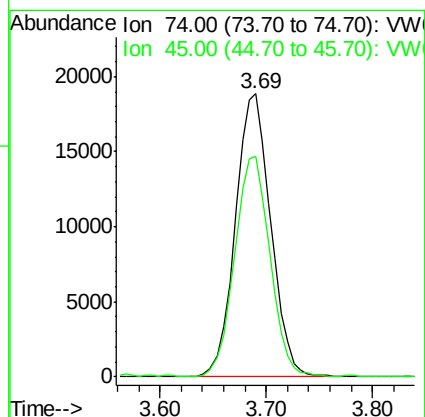
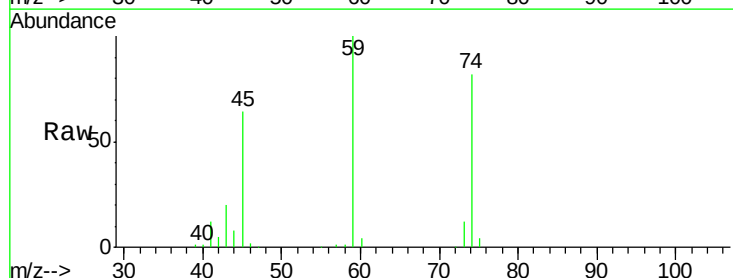
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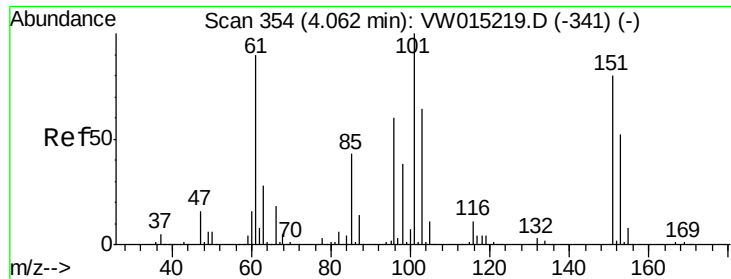


#8

Diethyl Ether
Concen: 52.393 ug/l
RT: 3.69 min Scan# 293
Delta R.T. -0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		43794		
45	78.5	45.5	136.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.647 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015297.D

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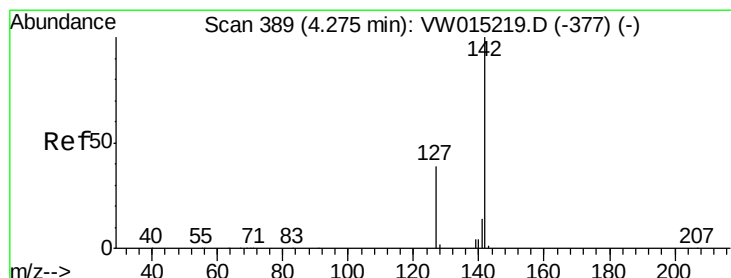
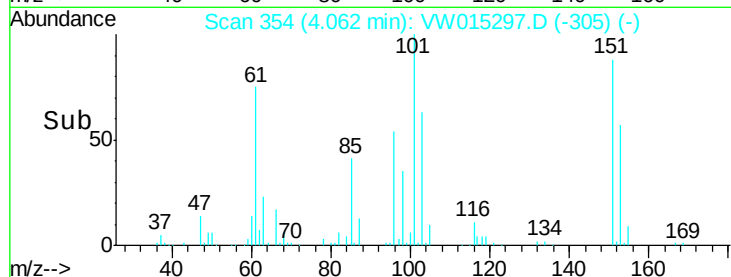
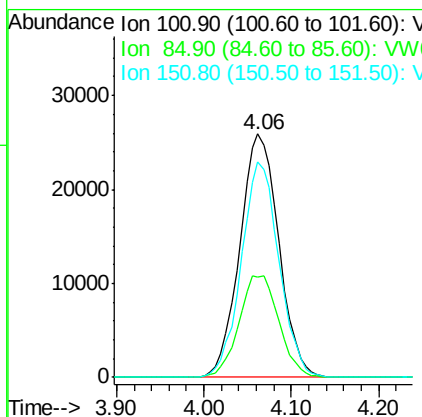
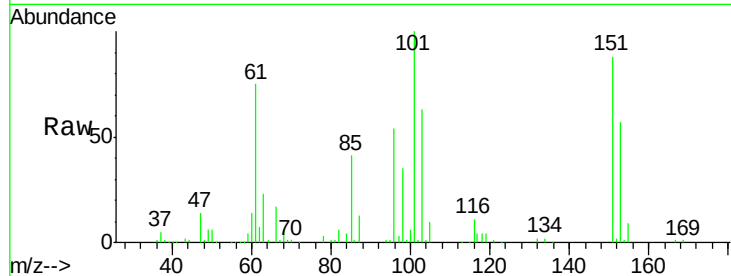
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	80154
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.3	52.9
151	85.5	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 45.385 ug/l

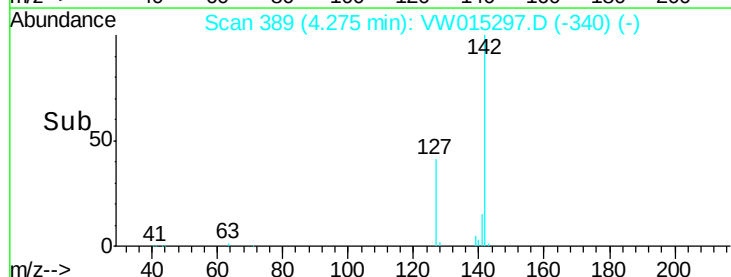
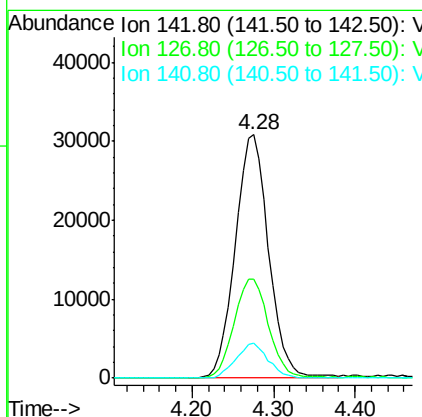
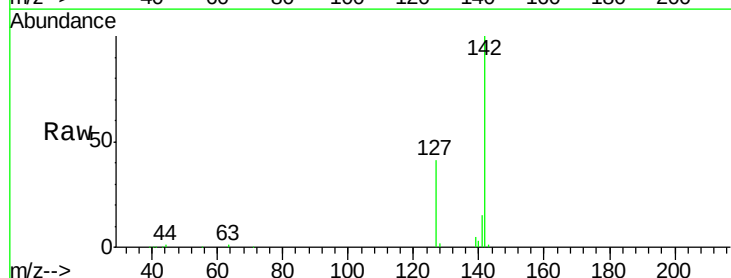
RT: 4.28 min Scan# 389

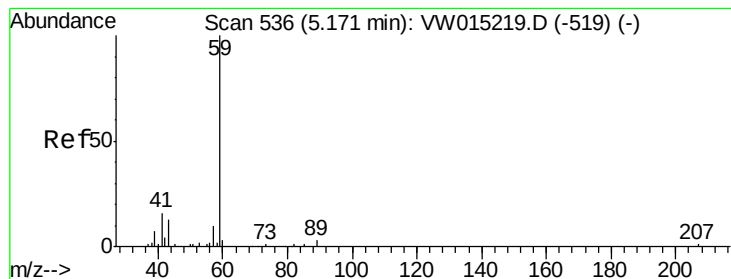
Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Tgt Ion:	142	Resp:	87541
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.9	50.9
141	13.8	11.4	17.2





#11

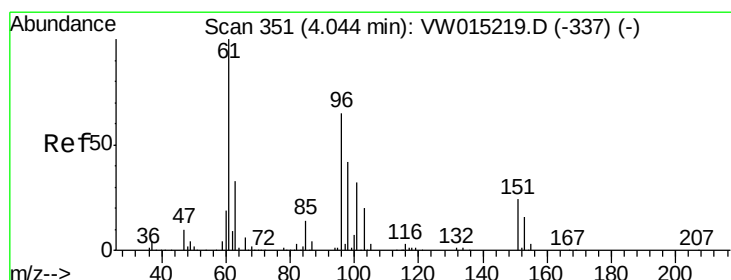
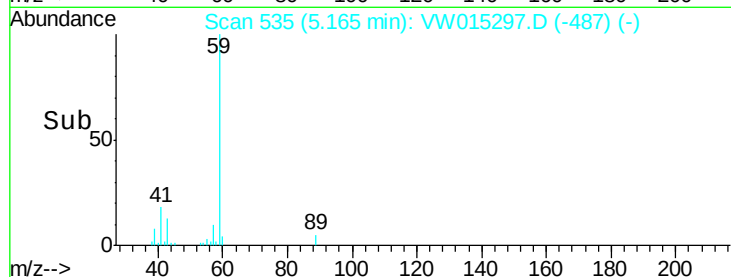
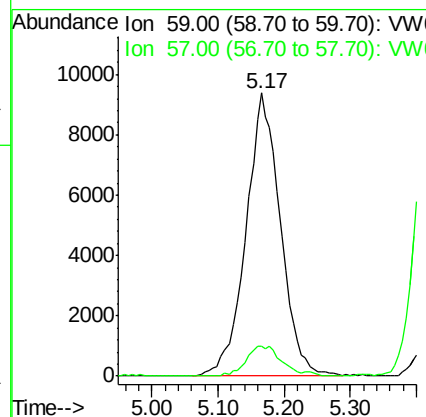
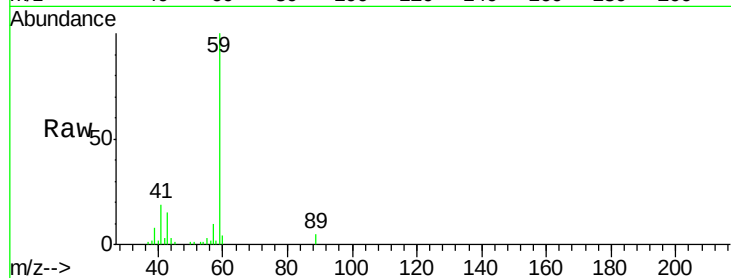
Tert butyl alcohol
 Concen: 245.166 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	33868
Ion Ratio	100	Lower	Upper
57	10.7	8.4	12.6

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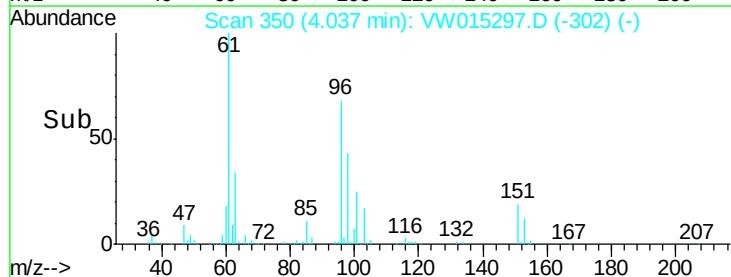
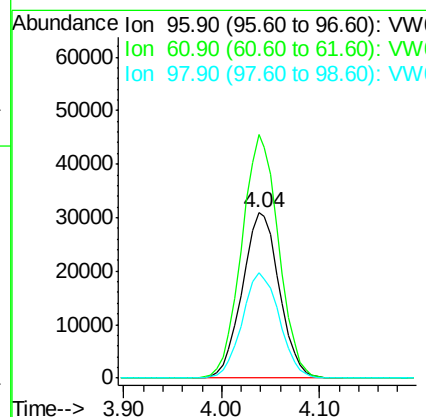
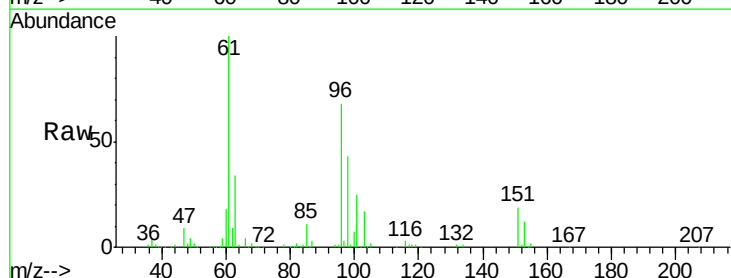
MMDadoda
 4/22/2020 11:41:31 AM

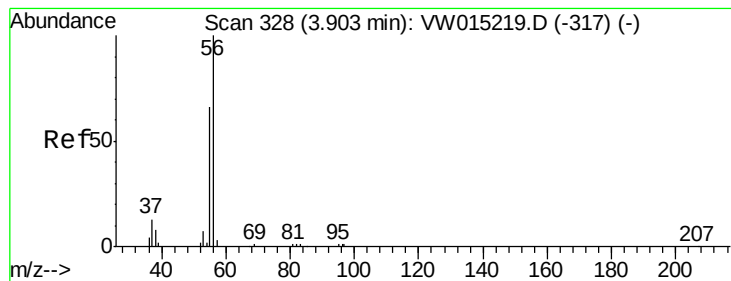


#12

1,1-Dichloroethene
 Concen: 45.813 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Tgt Ion	96	Resp	80979
Ion Ratio	100	Lower	Upper
61	147.2	127.0	190.4
98	63.6	51.0	76.4





#13

Acrolein

Concen: 313.815 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 22690

Ion Ratio Lower Upper

56 100

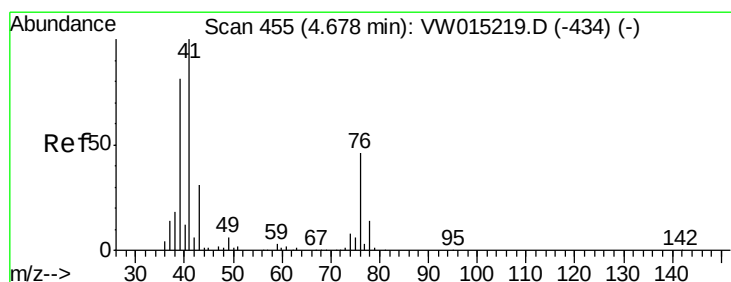
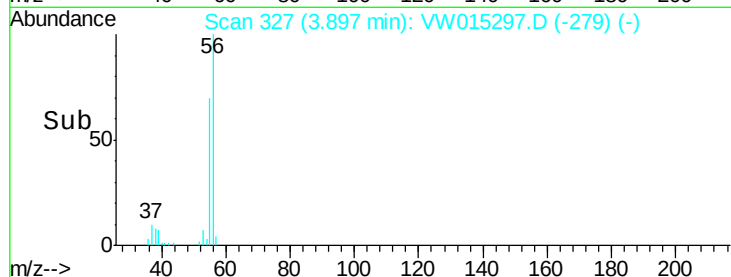
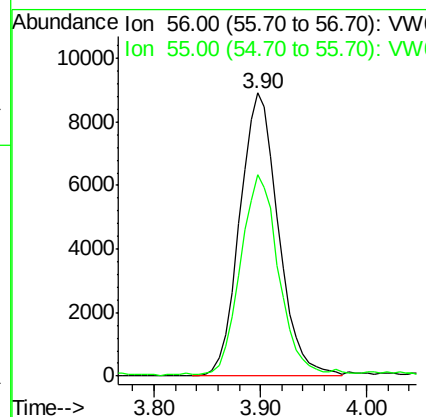
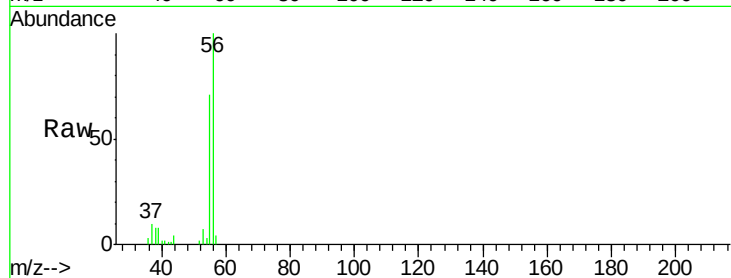
55 69.1 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 45.379 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

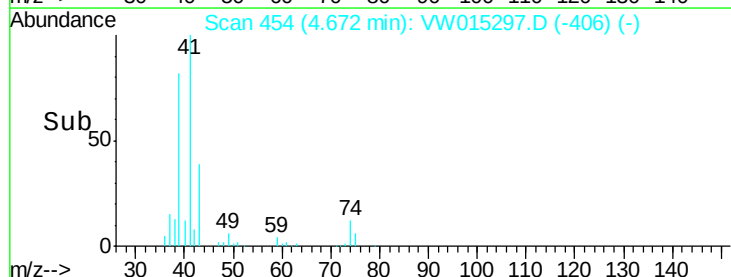
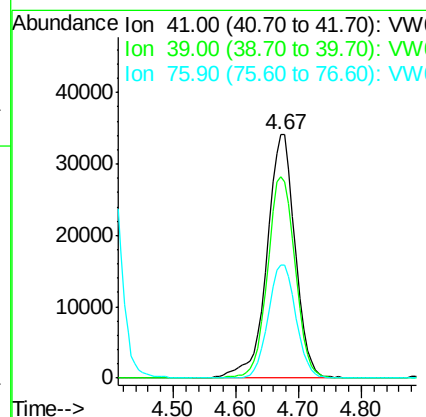
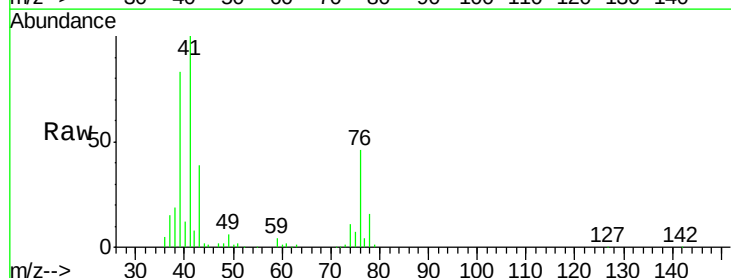
Tgt Ion: 41 Resp: 106412

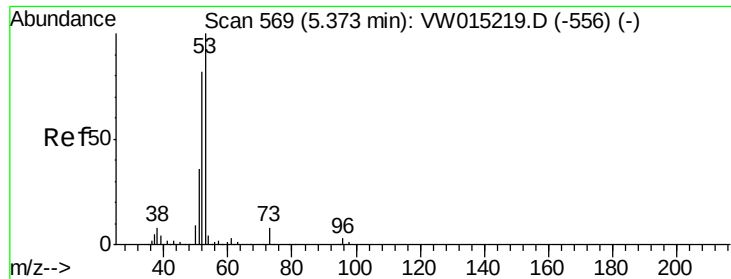
Ion Ratio Lower Upper

41 100

39 81.0 54.0 81.0#

76 45.5 31.8 47.6





#15

Acrylonitrile

Concen: 258.010 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

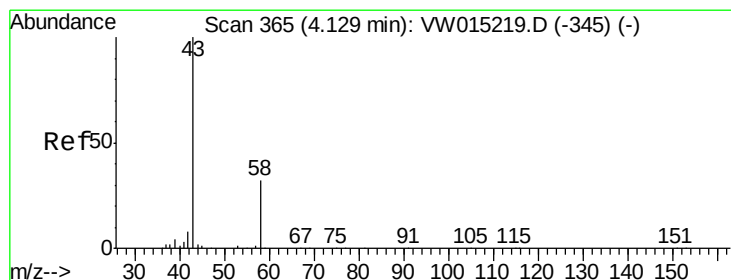
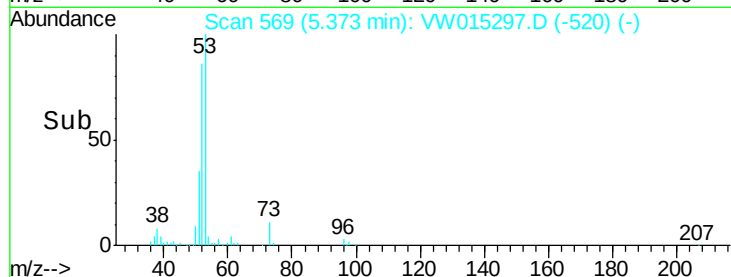
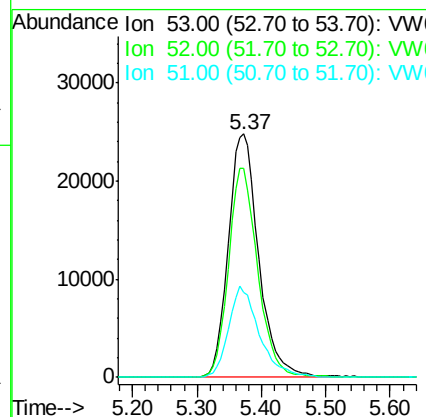
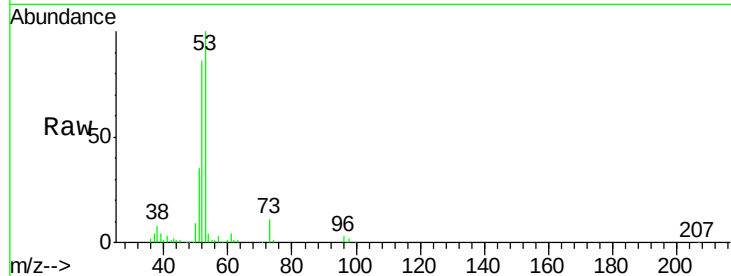
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	82072
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.2	97.8
51	37.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 205.092 ug/l

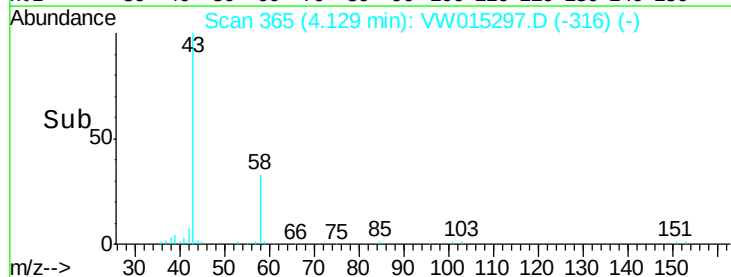
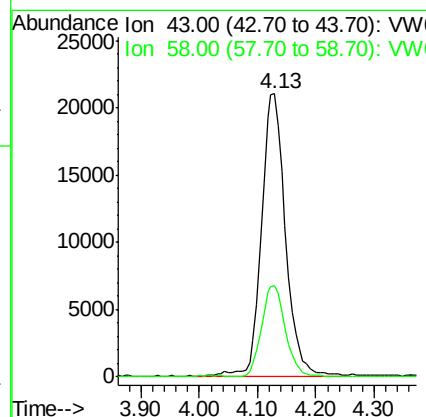
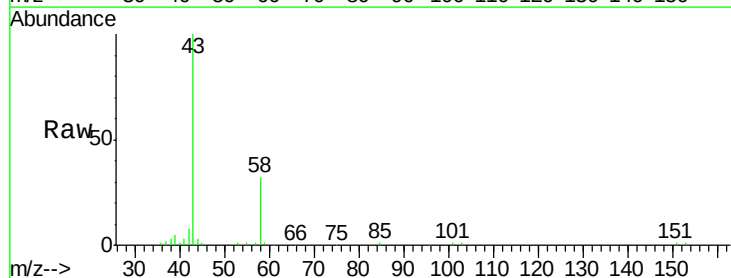
RT: 4.13 min Scan# 365

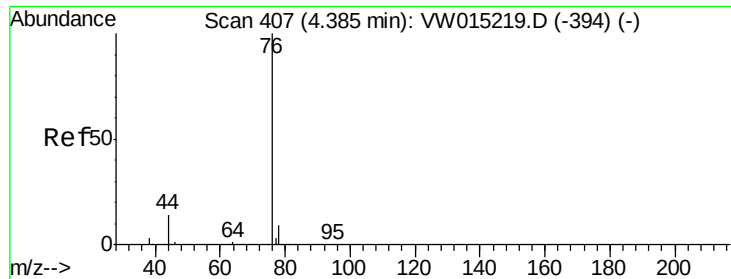
Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Tgt Ion:	43	Resp:	60706
Ion	Ratio	Lower	Upper
43	100		
58	32.4	27.0	40.4





#17

Carbon Disulfide

Concen: 45.369 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 238317

Ion Ratio Lower Upper

76 100

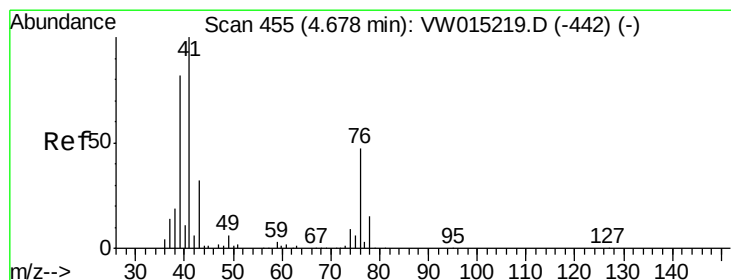
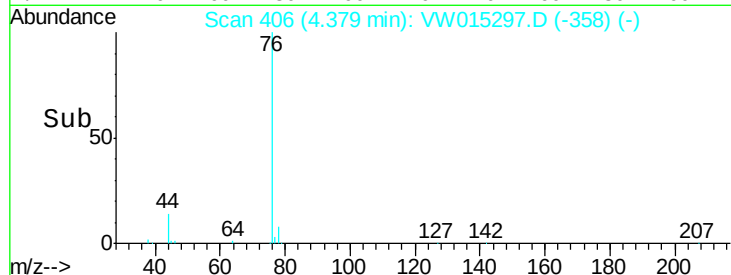
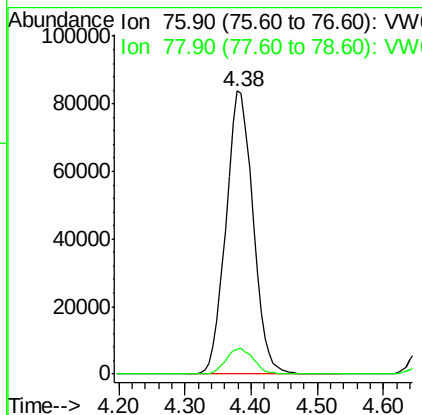
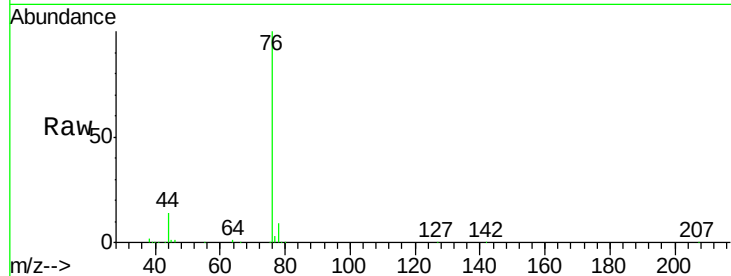
78 9.0 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 52.018 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015297.D

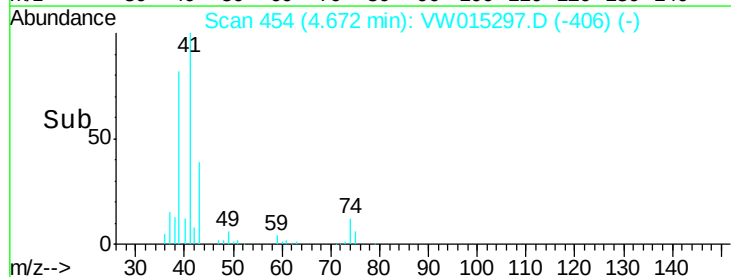
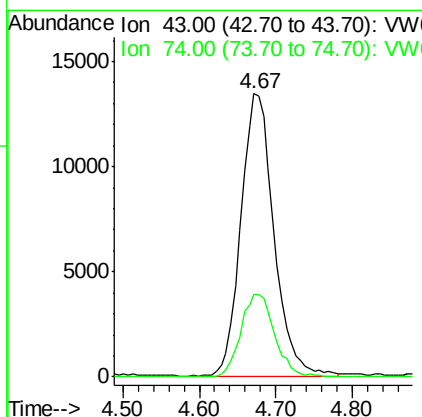
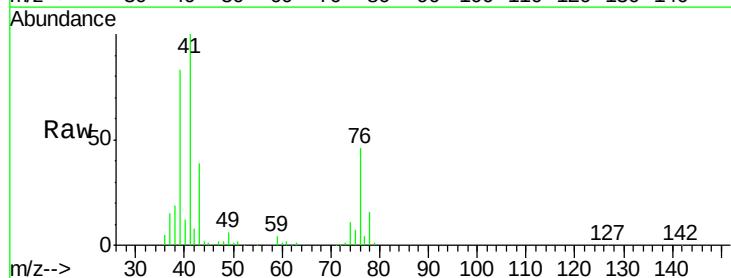
Acq: 22 Apr 2020 06:55

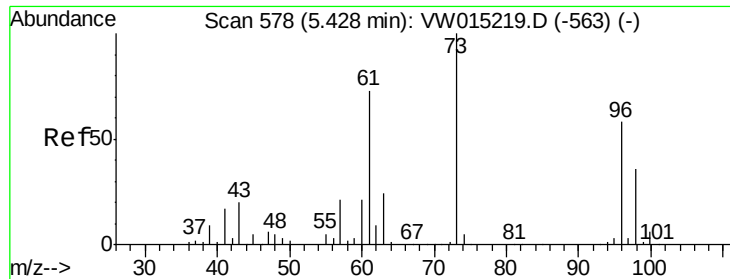
Tgt Ion: 43 Resp: 40756

Ion Ratio Lower Upper

43 100

74 29.5 20.6 31.0





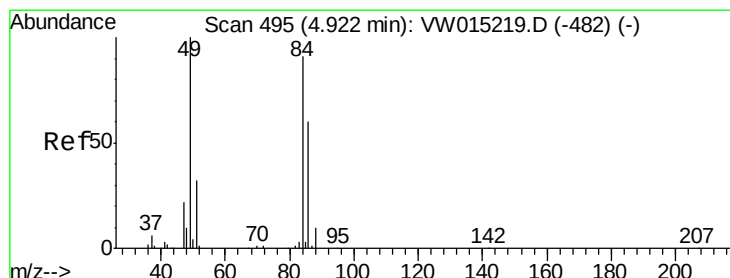
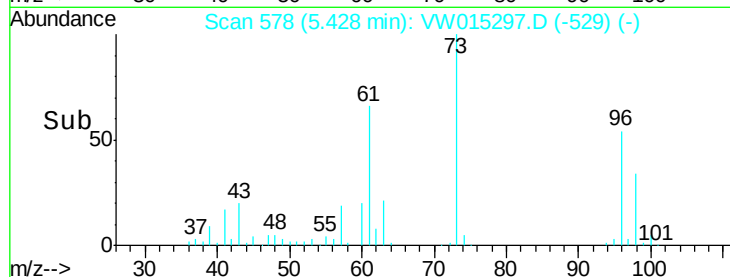
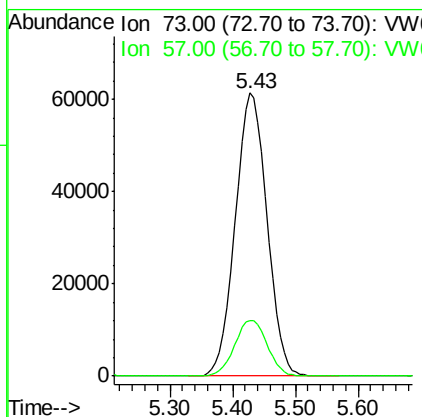
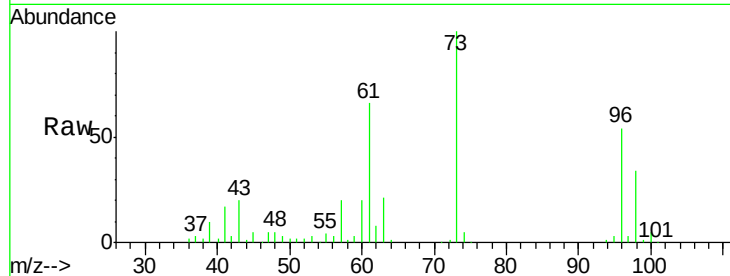
#19
Methyl tert-butyl Ether
Concen: 52.952 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050EC

Tot Ion: 73 Resp: 214863
Ion Ratio Lower Upper
73 100
57 19.5 17.8 26.6

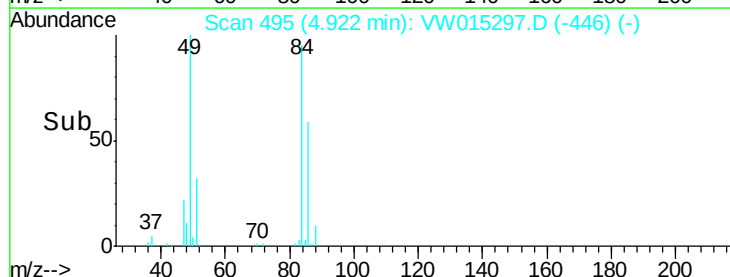
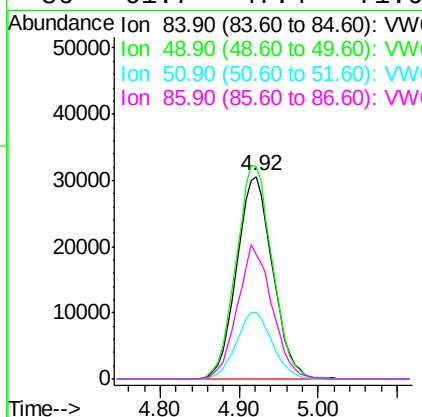
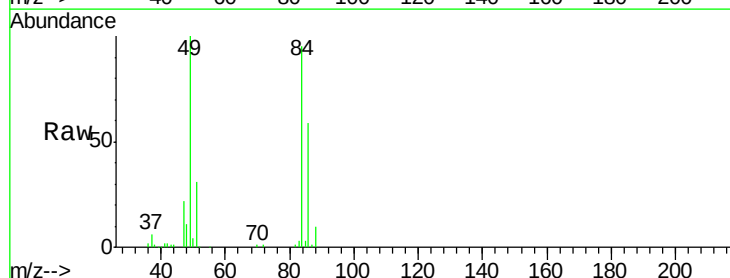
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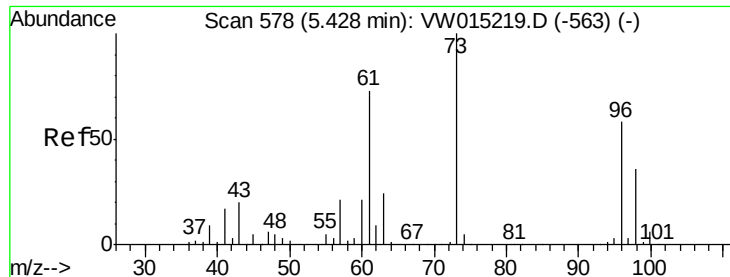
MMDadoda
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#20
Methylene Chloride
Concen: 49.935 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion: 84 Resp: 96869
Ion Ratio Lower Upper
84 100
49 105.2 95.4 143.0
51 33.1 29.8 44.8
86 61.7 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 48.648 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 97525

Ion Ratio Lower Upper

96 100

61 123.5 107.8 161.6

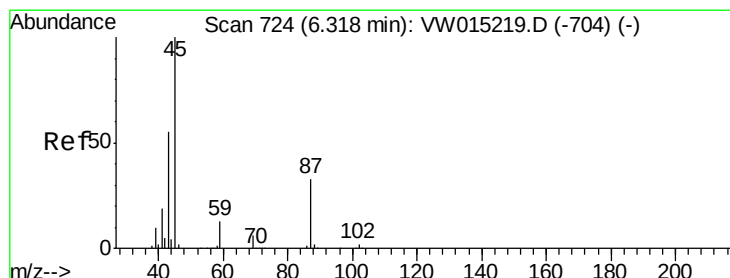
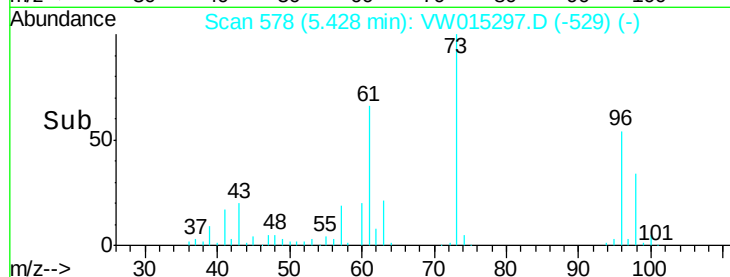
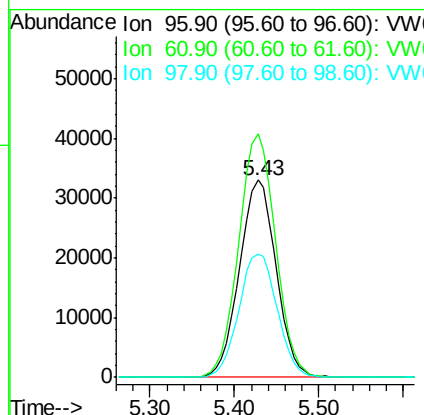
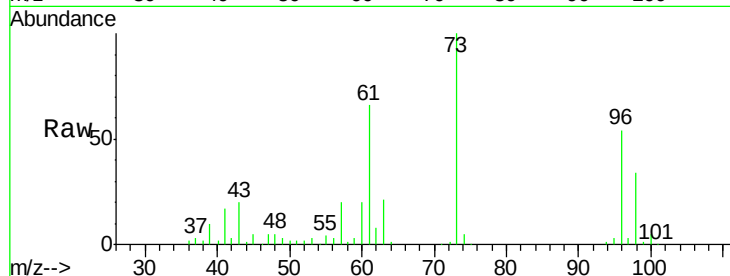
98 62.6 50.2 75.2

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#22

Diisopropyl ether

Concen: 51.546 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Tgt Ion: 45 Resp: 231881

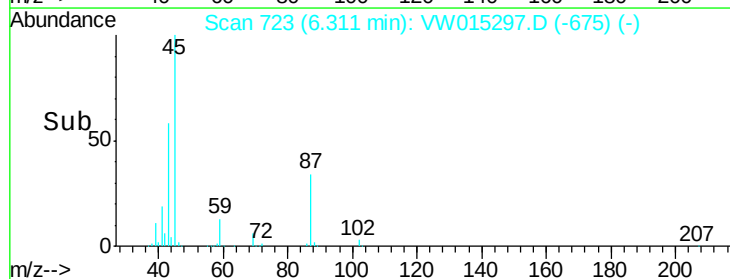
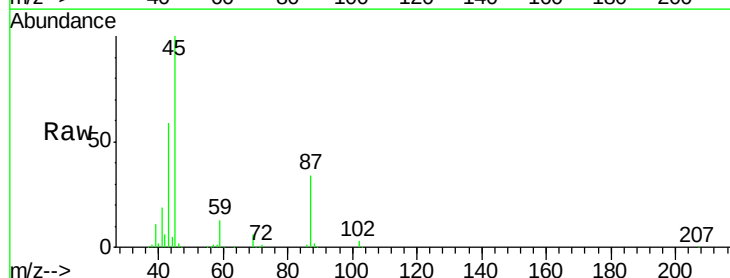
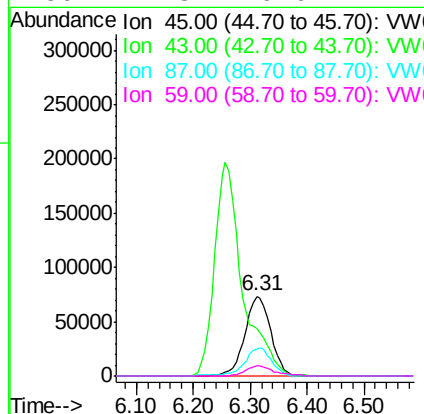
Ion Ratio Lower Upper

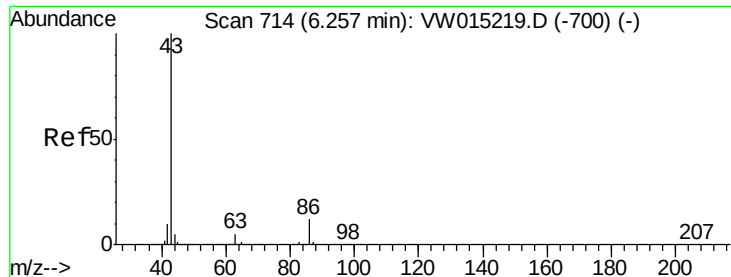
45 100

43 58.4 41.8 62.6

87 34.4 23.2 34.8

59 12.8 9.6 14.4





#23

Vinyl Acetate

Concen: 253.111 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 668174

Ion Ratio Lower Upper

43 100

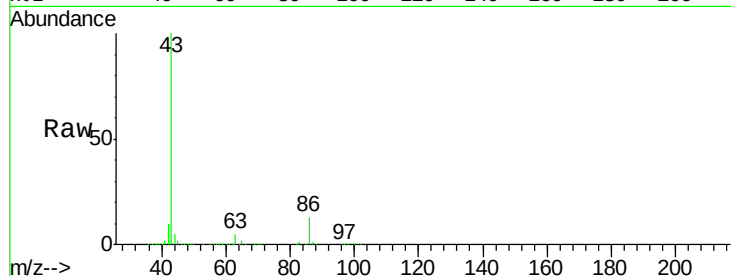
86 13.2 9.1 13.7

Manual Integrations

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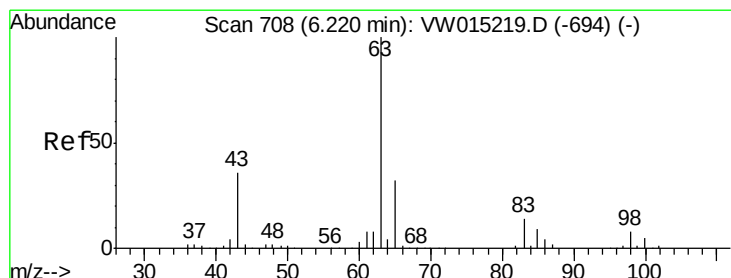
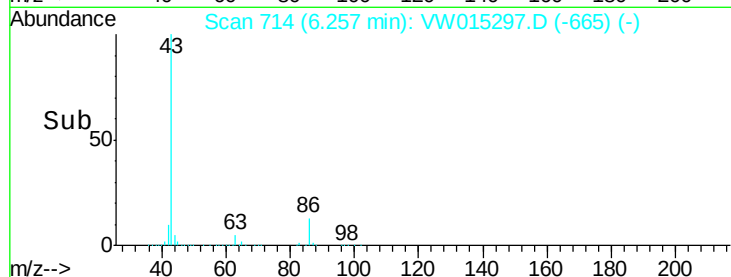
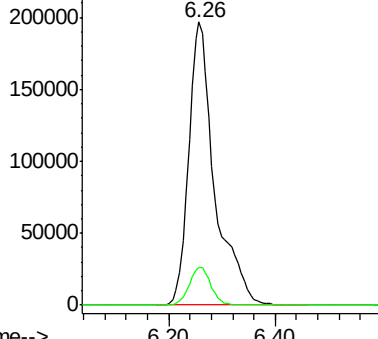
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 50.095 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

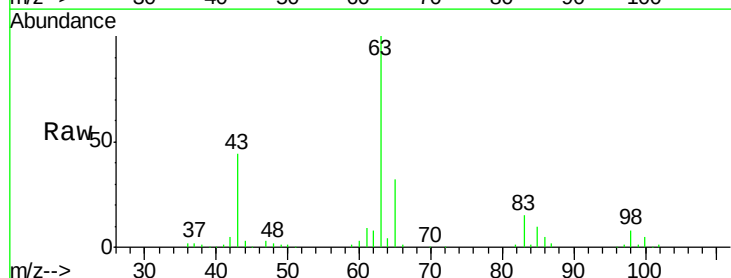
Tgt Ion: 63 Resp: 156182

Ion Ratio Lower Upper

63 100

98 8.3 3.6 10.9

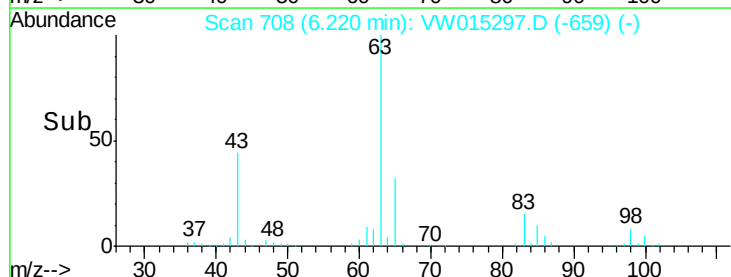
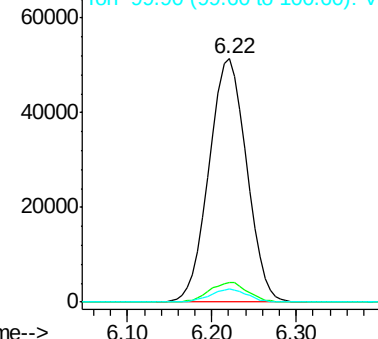
100 5.2 2.4 7.2

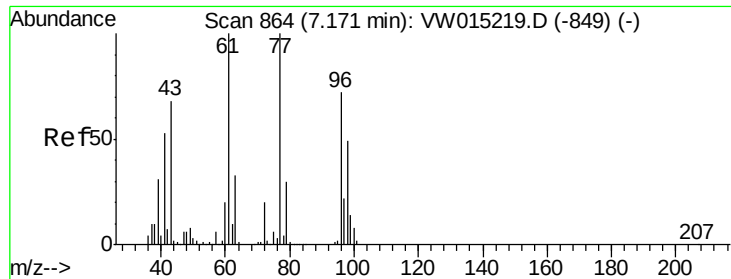


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





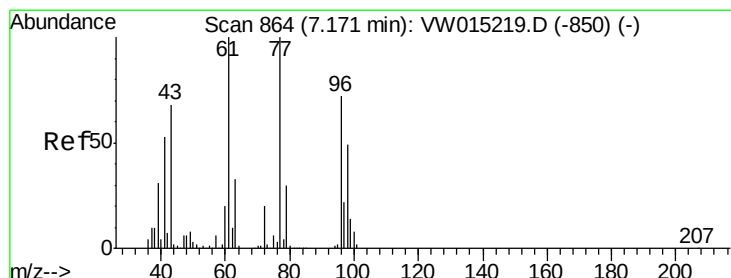
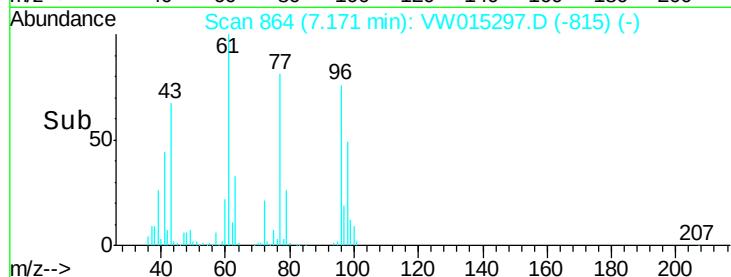
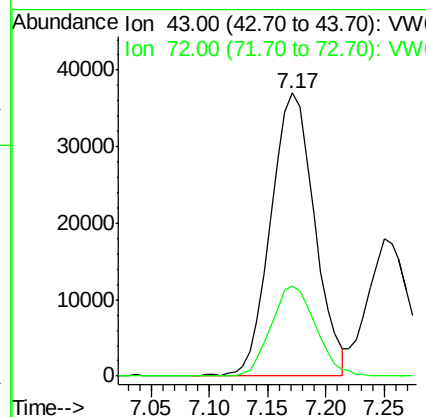
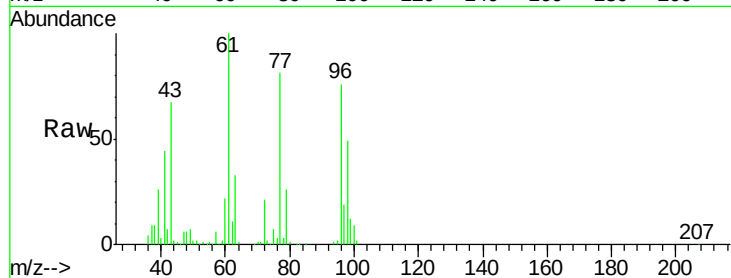
#25
2-Butanone
Concen: 244.051 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 95840
Ion Ratio Lower Upper
43 100
72 31.9 21.6 32.4

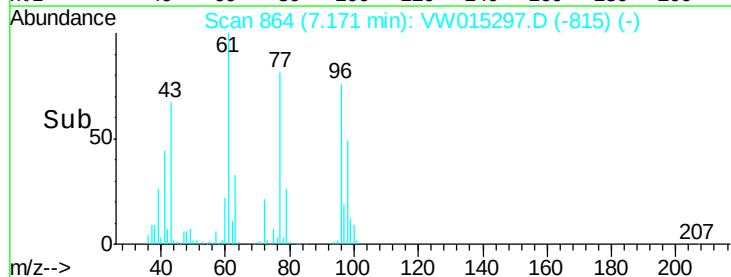
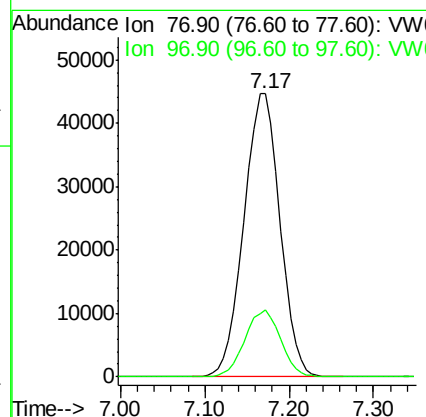
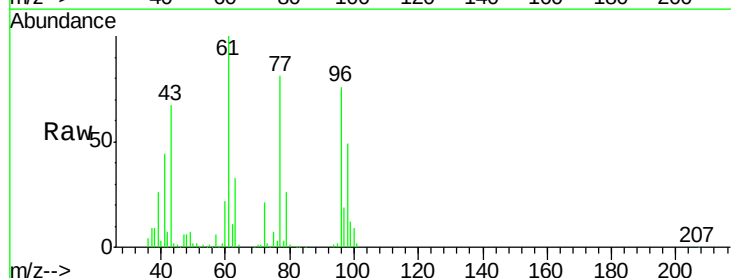
Manual Integrations
APPROVED

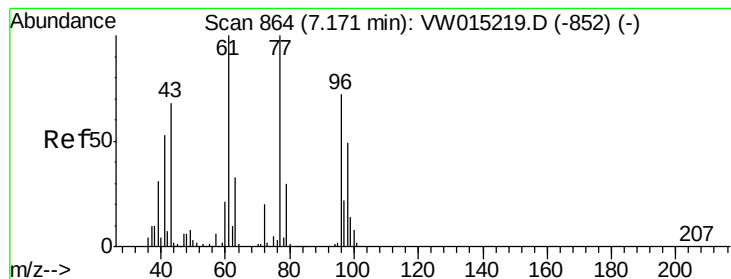
MMDadoda
4/22/2020 11:41:31 AM



#26
2,2-Dichloropropane
Concen: 39.518 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion: 77 Resp: 129617
Ion Ratio Lower Upper
77 100
97 23.3 11.9 35.5





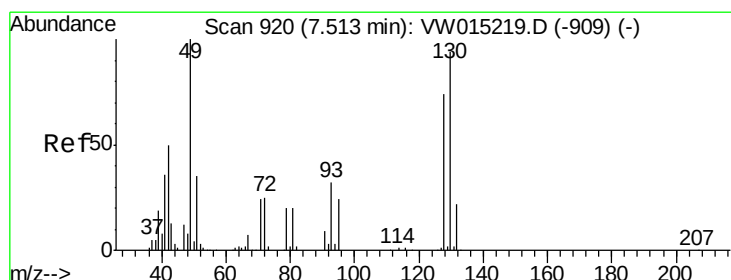
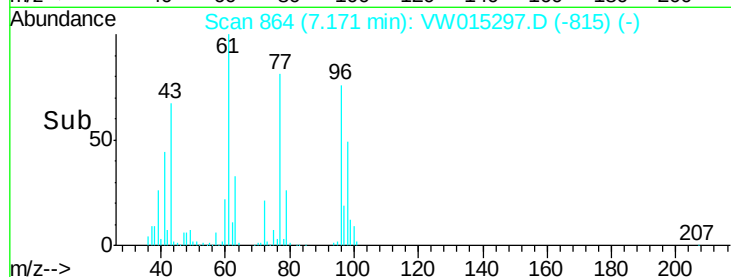
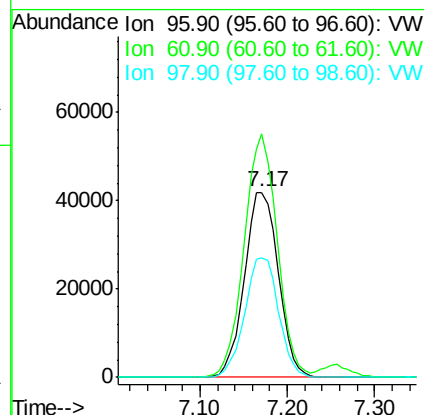
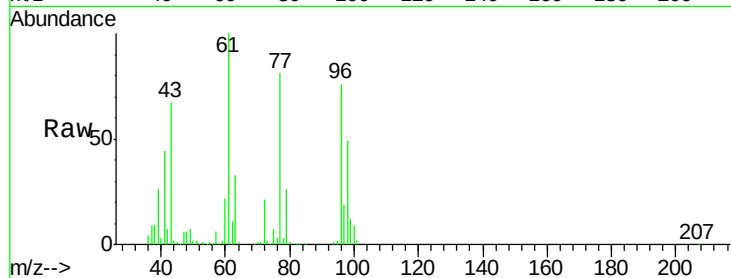
#27
 cis-1,2-Dichloroethene
 Concen: 52.337 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	128.2	0.0	275.0	
98	64.6	0.0	130.8	

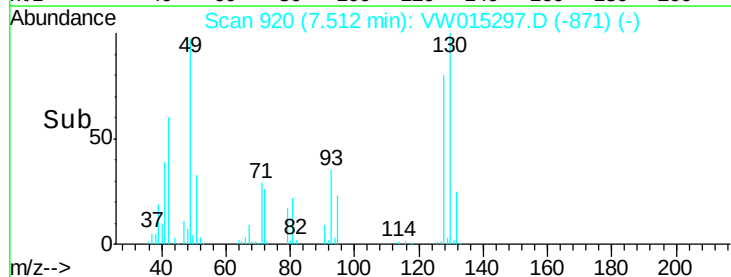
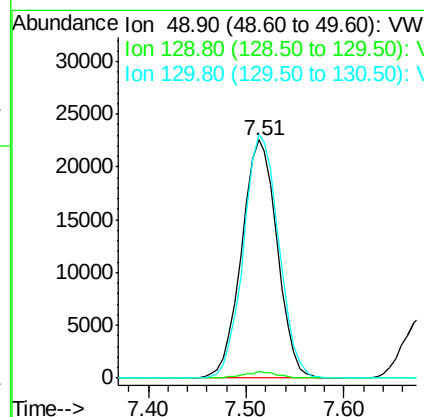
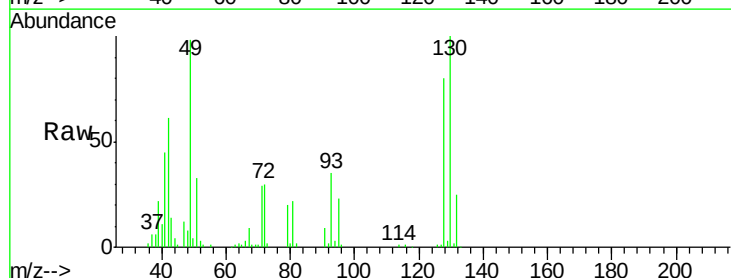
Manual Integrations
 APPROVED

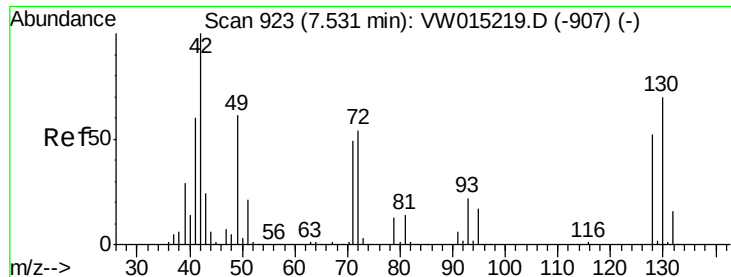
MMDadoda
 4/22/2020 11:41:31 AM



#28
 Bromochloromethane
 Concen: 50.404 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	4.6	
130	101.1	60.9	91.3#	





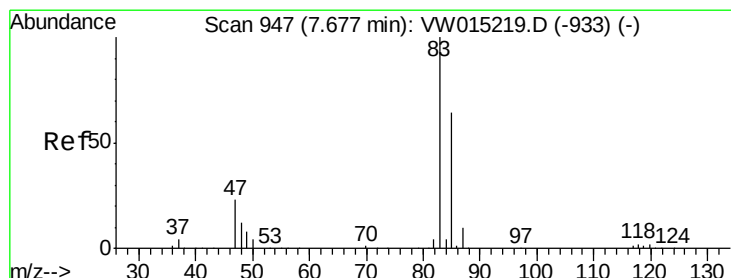
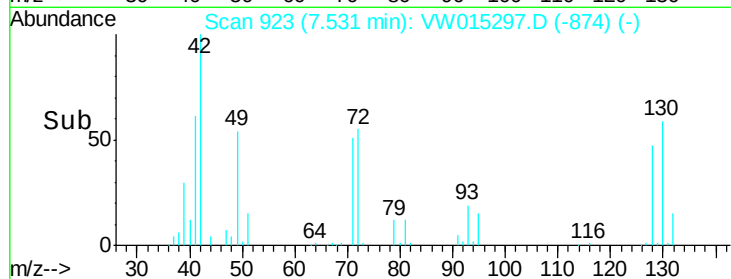
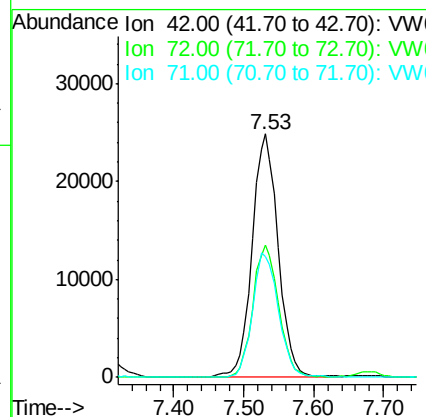
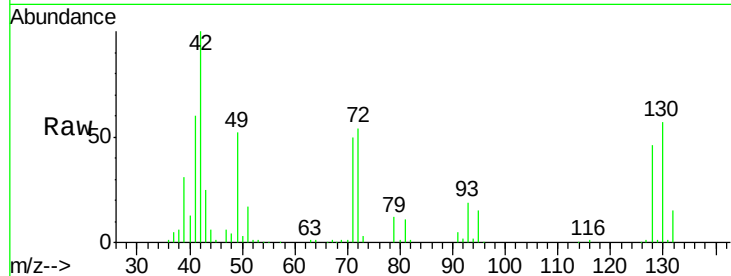
#29
Tetrahydrofuran
Concen: 263.135 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.6	36.2	54.2
71	50.9	34.2	51.4

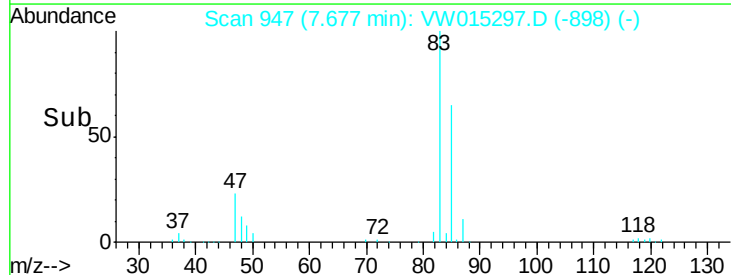
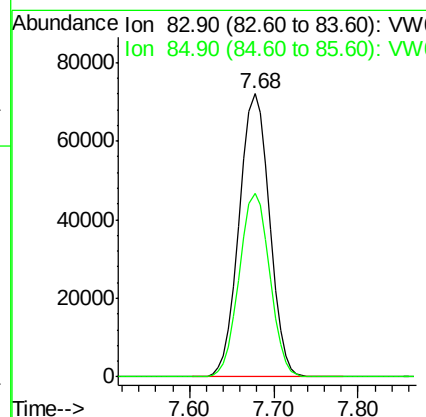
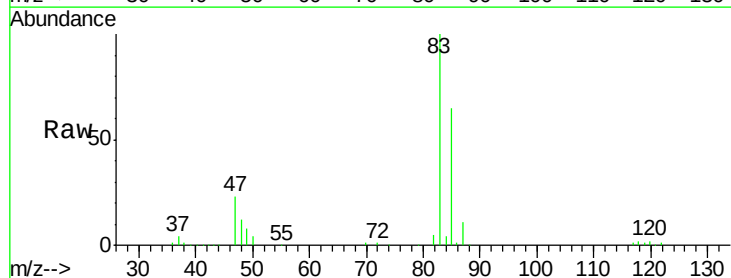
Manual Integrations
APPROVED

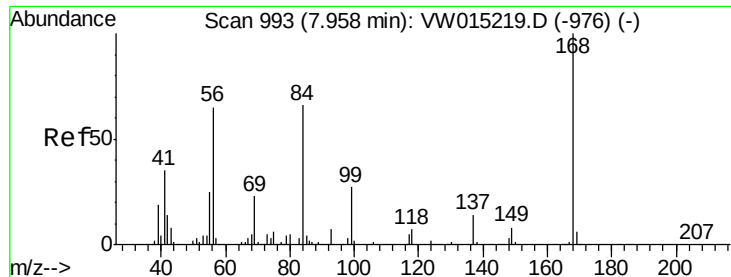
MMDadoda
4/22/2020 11:41:31 AM



#30
Chloroform
Concen: 52.116 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.9	76.3





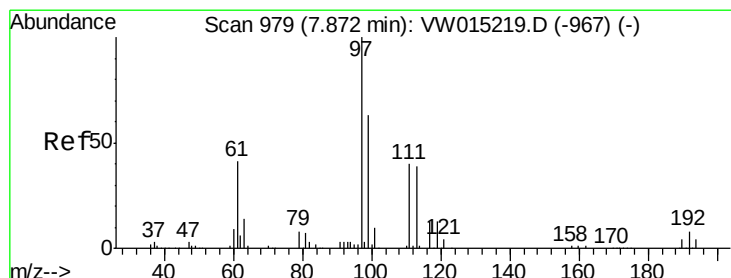
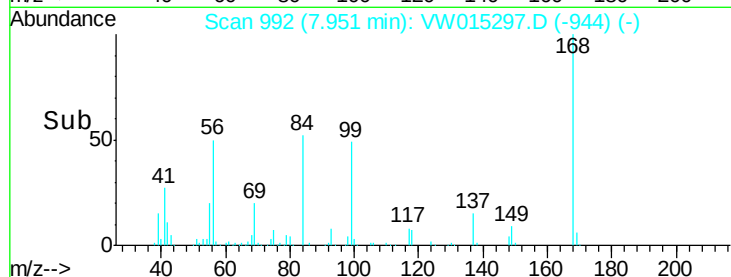
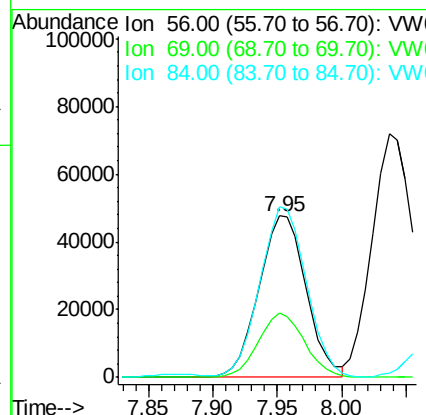
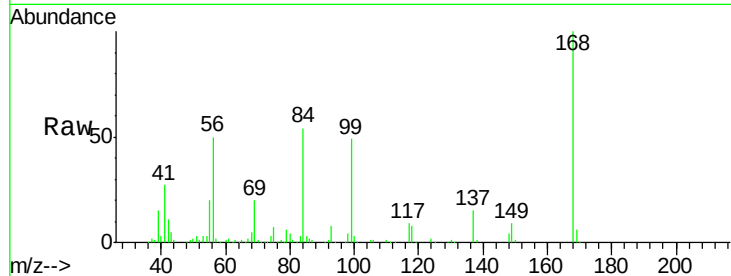
#31
Cyclohexane
Concen: 38.744 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.7	27.1	40.7
84	104.6	71.9	107.9

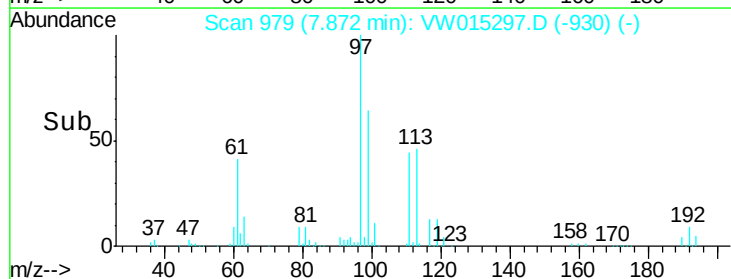
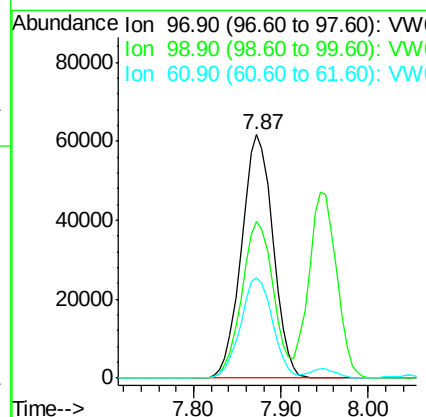
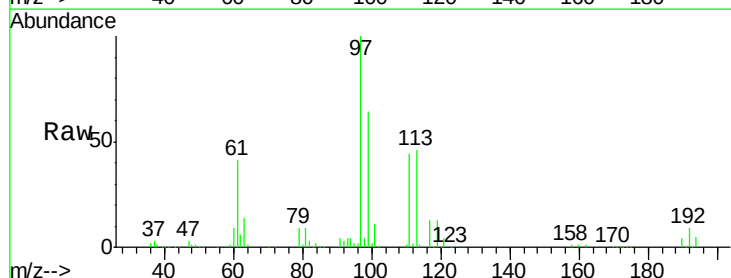
Manual Integrations
APPROVED

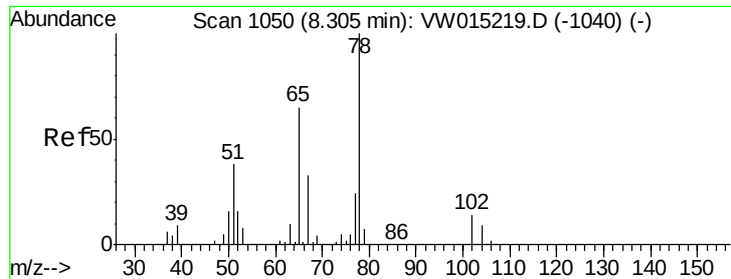
MMDadoda
4/22/2020 11:41:31 AM



#32
1,1,1-Trichloroethane
Concen: 47.577 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	41.7	34.2	51.2





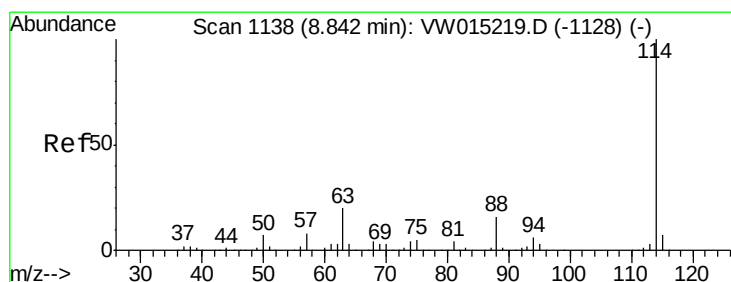
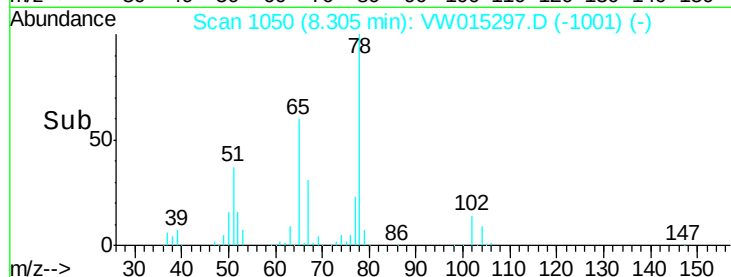
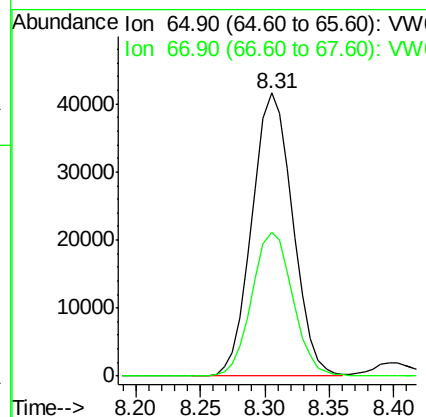
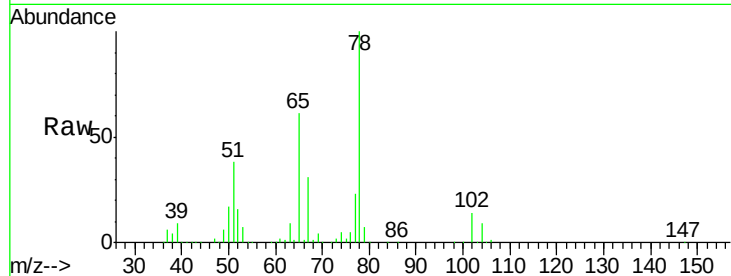
#33
 1,2-Dichloroethane-d4
 Concen: 53.721 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	107.0

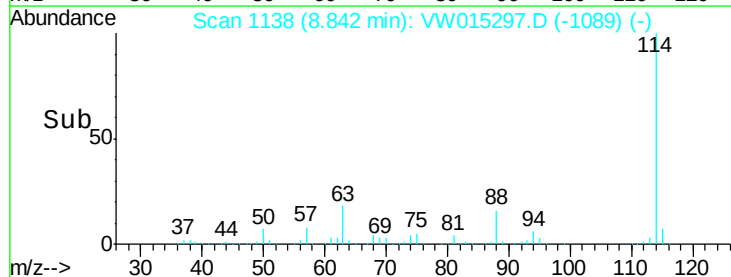
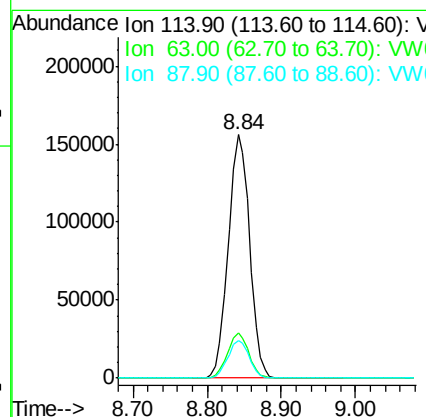
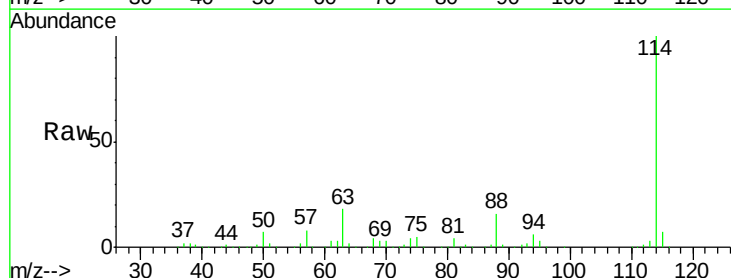
Manual Integrations
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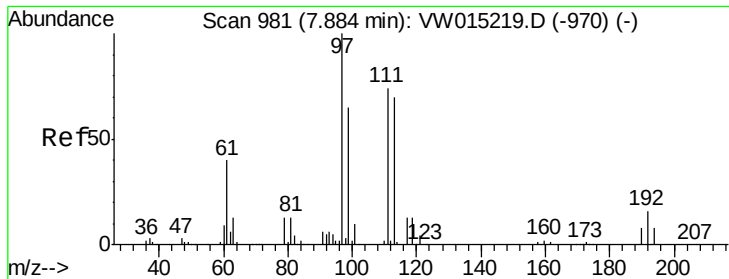
MMDadoda
 4/22/2020 11:41:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	39.8
88	15.7	0.0	30.2





#35

Dibromofluoromethane

Concen: 53.561 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 92722

Ion Ratio Lower Upper

113 100

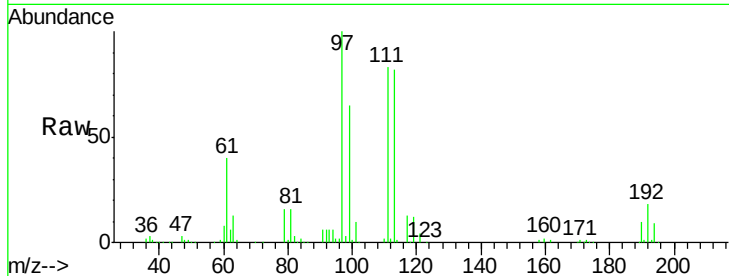
111 101.5 83.0 124.4

192 23.0 15.1 22.7#

Manual Integrations
APPROVED

MMDadoda

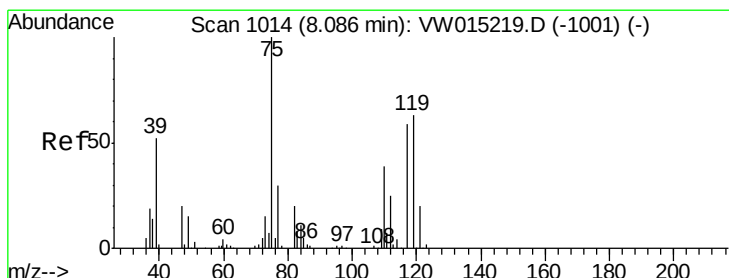
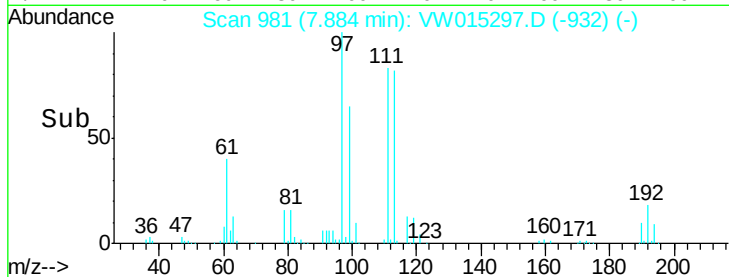
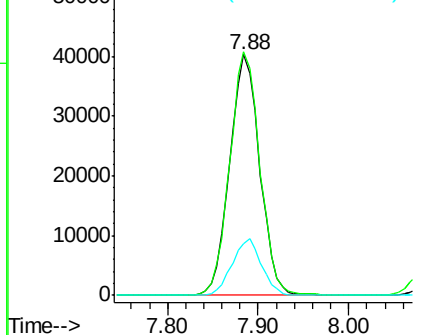
4/22/2020 11:41:31 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 44.312 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

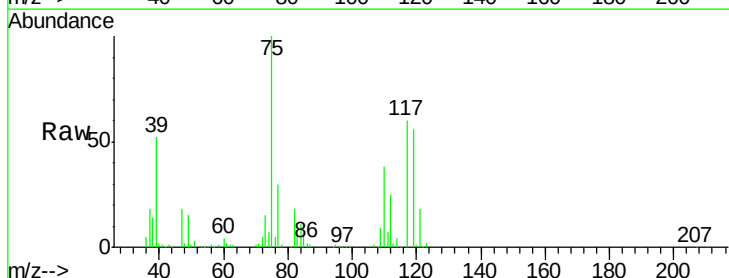
Tgt Ion: 75 Resp: 124996

Ion Ratio Lower Upper

75 100

110 37.7 18.2 54.6

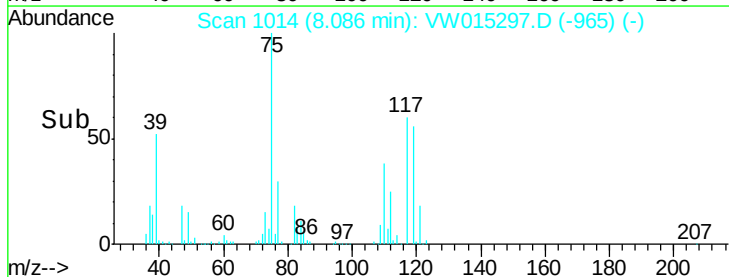
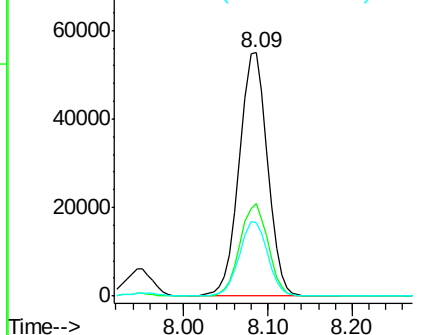
77 30.8 24.5 36.7

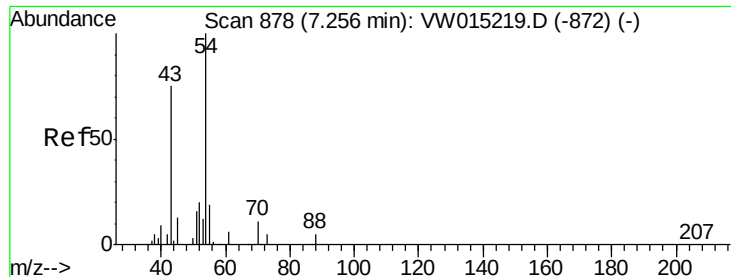


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





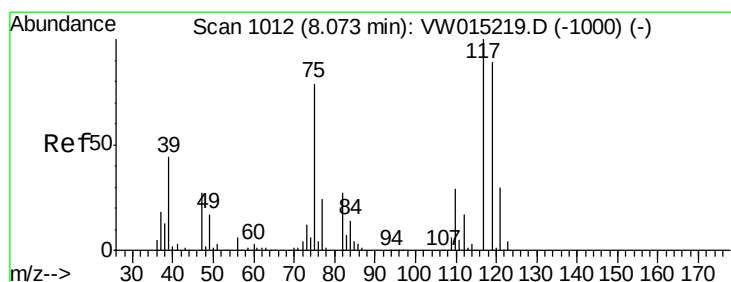
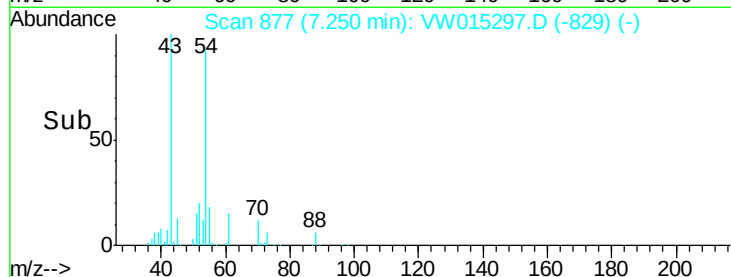
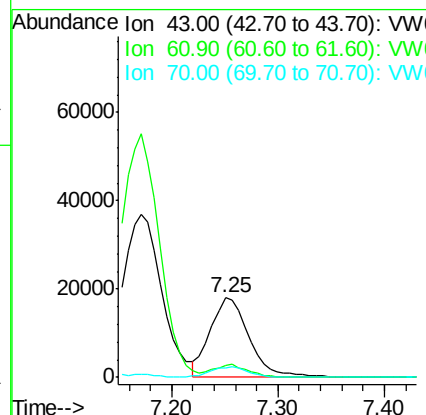
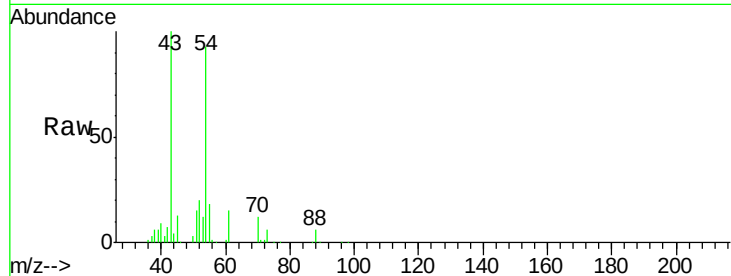
#37
Ethyl Acetate
Concen: 48.926 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.9	17.9
70	13.2	8.8	13.2

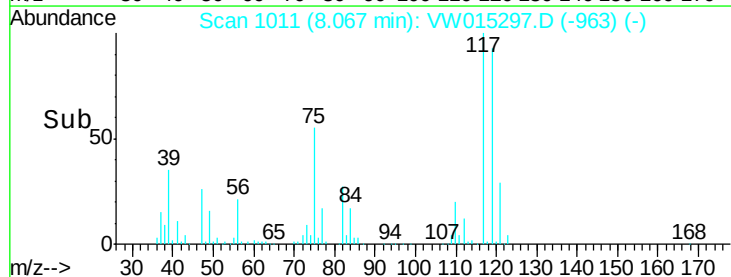
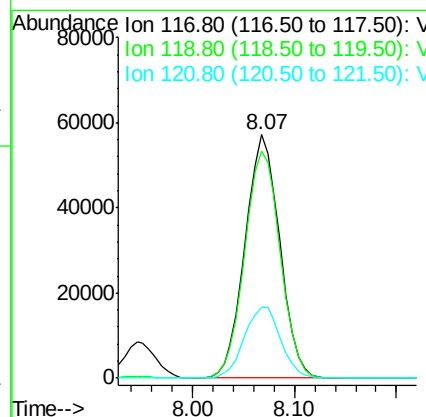
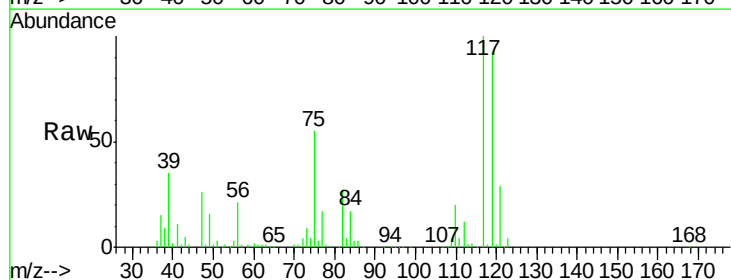
Manual Integrations
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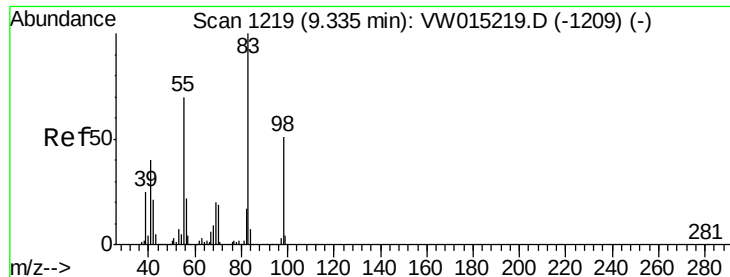
MMDadoda
4/22/2020 11:41:31 AM



#38
Carbon Tetrachloride
Concen: 43.873 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	72.3	108.5
121	29.2	23.7	35.5





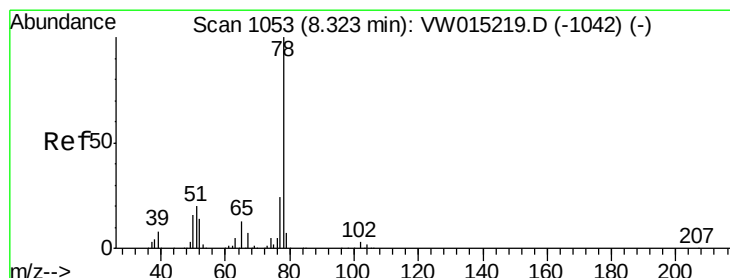
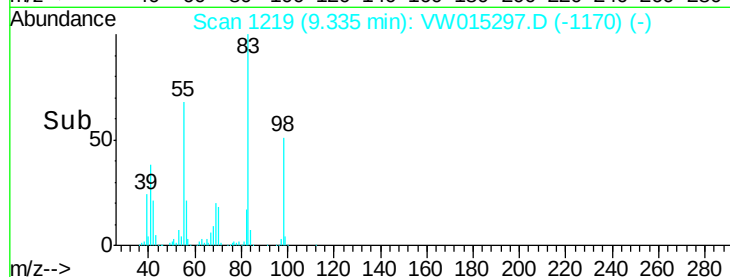
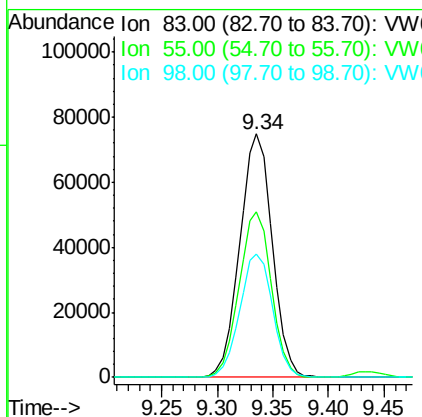
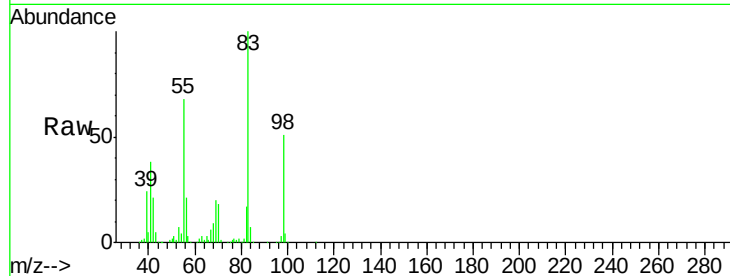
#39
Methylvlcyclohexane
Concen: 40.369 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.9	58.1	87.1
98	50.8	40.2	60.4

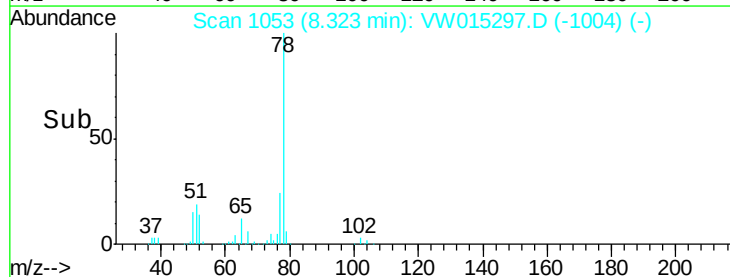
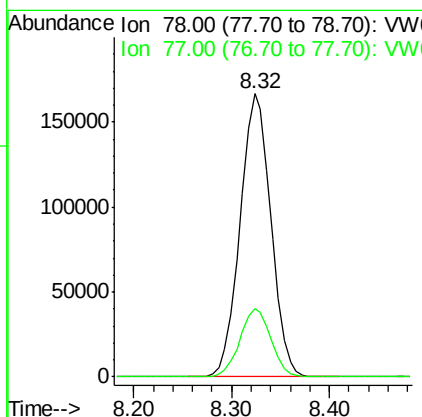
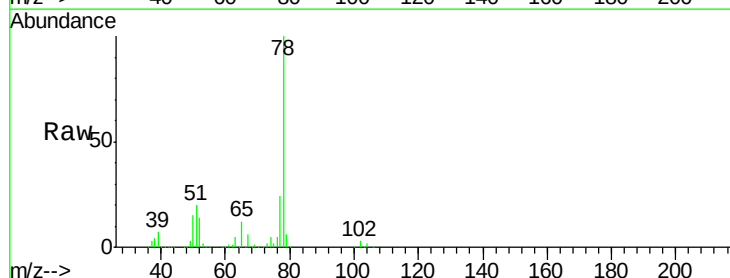
Manual Integrations
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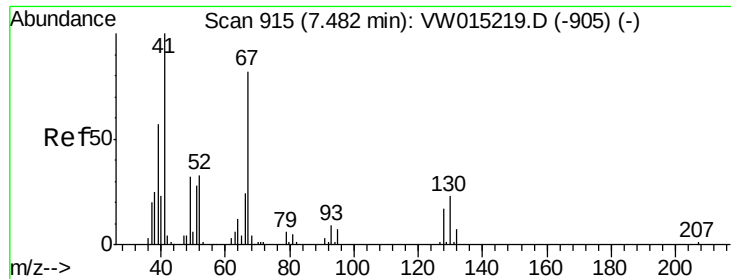
MMDadoda
4/22/2020 11:41:31 AM



#40
Benzene
Concen: 48.258 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.2	27.2





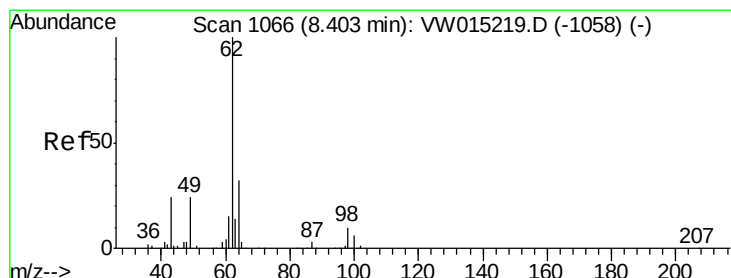
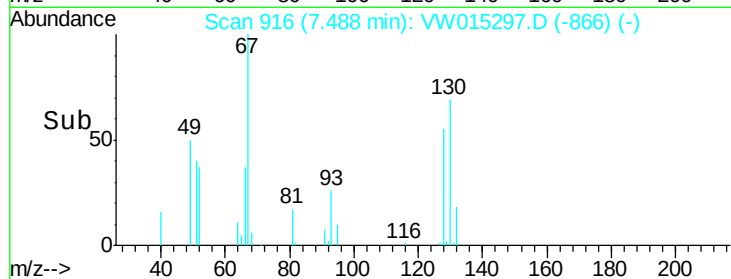
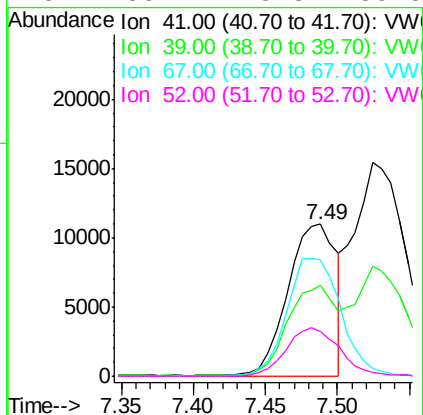
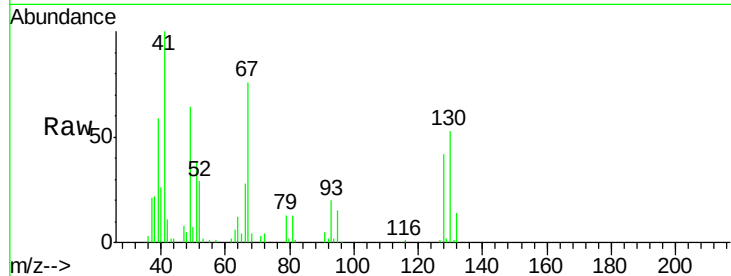
#41
Methacrylonitrile
Concen: 47.008 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	25821
Ion	Ratio	Lower	Upper
41	100		
39	58.8	41.9	62.9
67	86.8	60.6	91.0
52	35.1	23.8	35.8

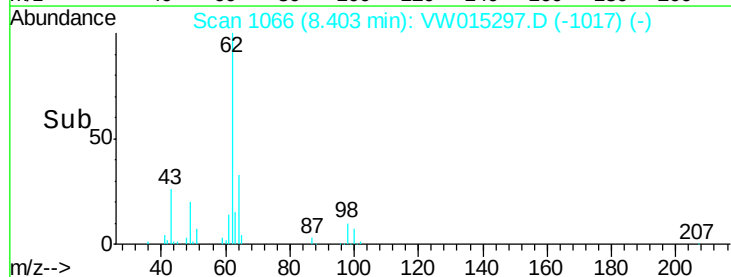
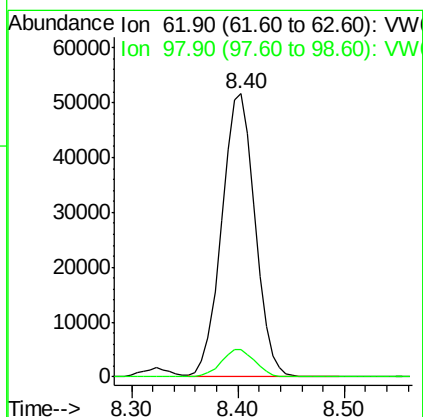
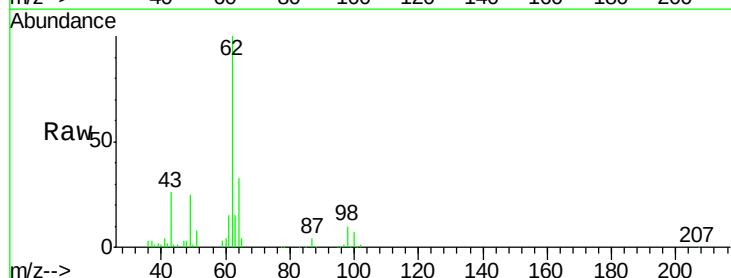
Manual Integrations
APPROVED

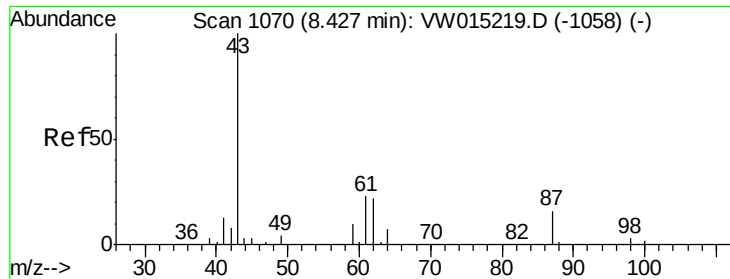
MMDadoda
4/22/2020 11:41:31 AM



#42
1,2-Dichloroethane
Concen: 50.830 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	62	Resp	112752
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4





#43

Isopropyl Acetate

Concen: 49.755 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

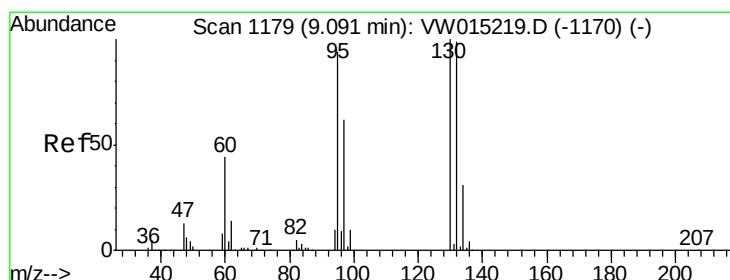
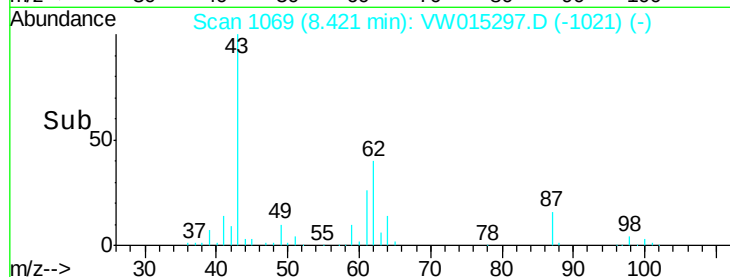
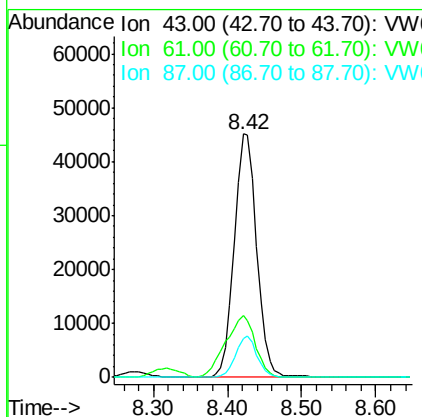
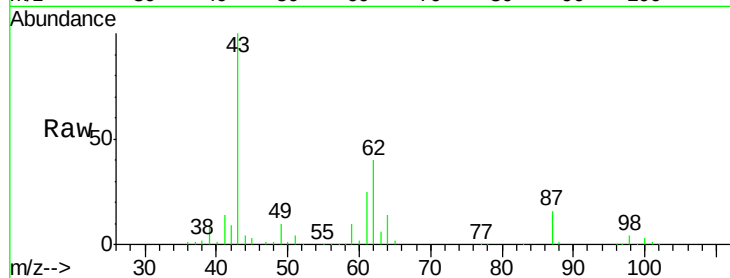
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	95532
Ion	Ratio	Lower	Upper
43	100		
61	33.3	24.8	37.2
87	16.2	11.4	17.2

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#44

Trichloroethene

Concen: 49.263 ug/l

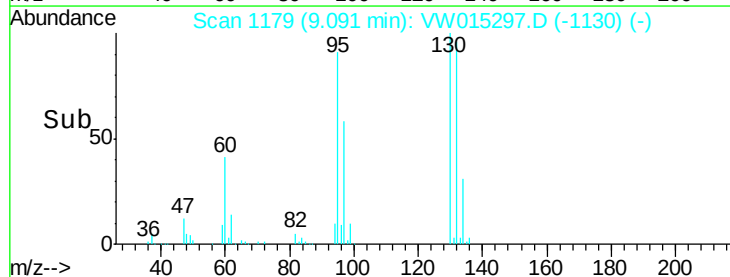
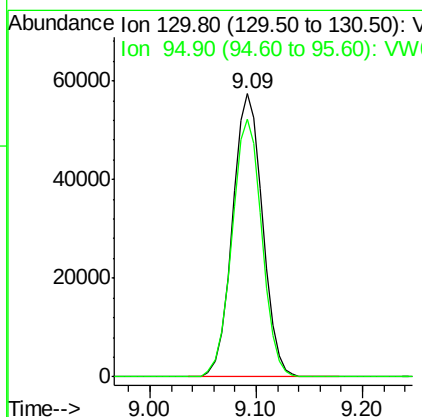
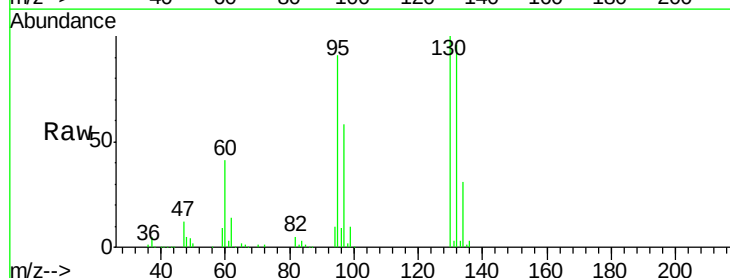
RT: 9.09 min Scan# 1179

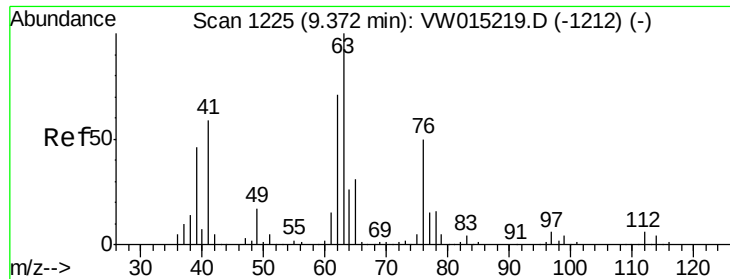
Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Tgt Ion:	130	Resp:	113543
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	196.4





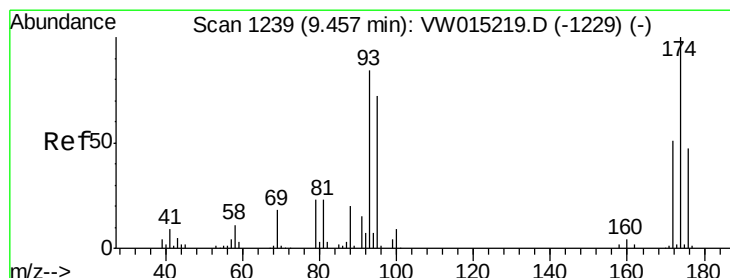
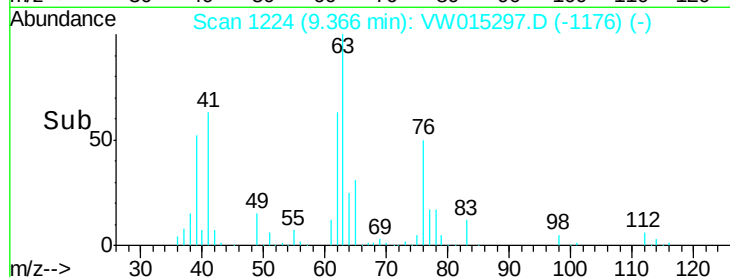
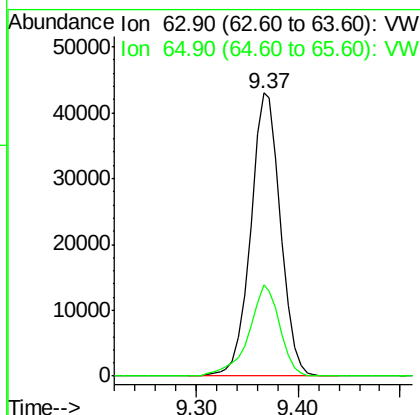
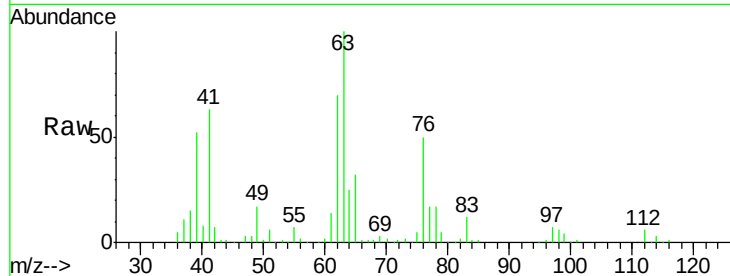
#45
 1,2-Dichloropropane
 Concen: 49.866 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 87378
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.5 38.3

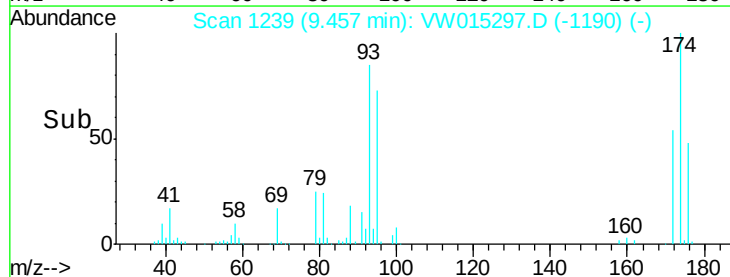
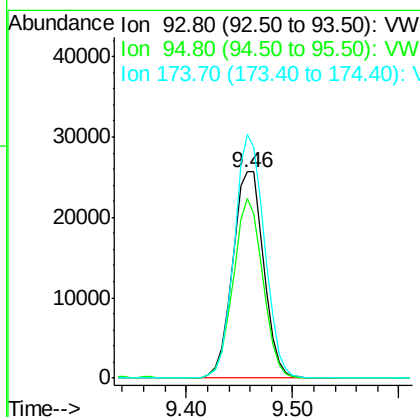
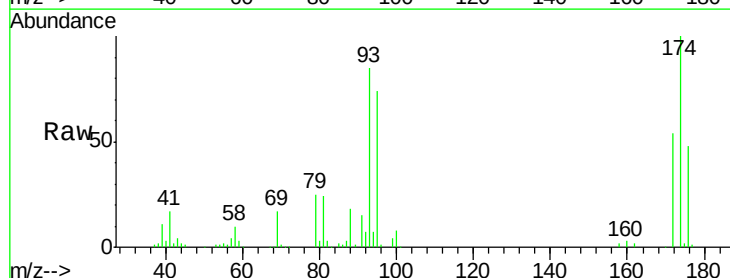
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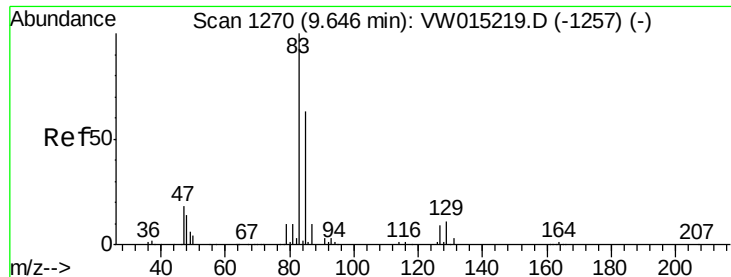
MMDadoda
 4/22/2020 11:41:31 AM



#46
 Dibromomethane
 Concen: 52.006 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Tgt Ion: 93 Resp: 52714
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.5 101.3
 174 114.5 74.1 111.1#





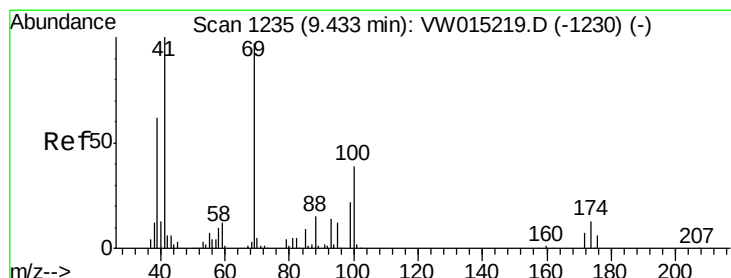
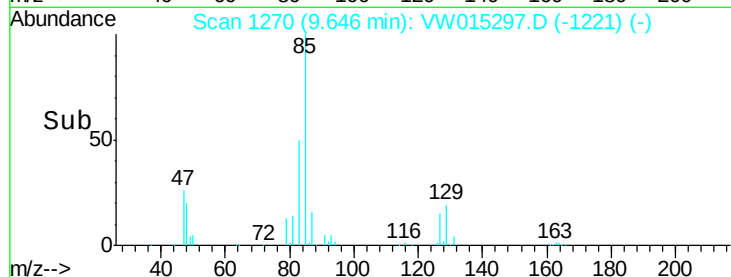
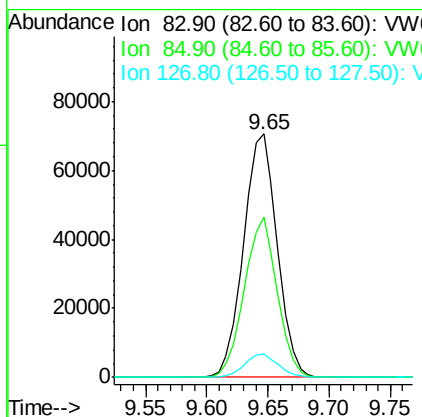
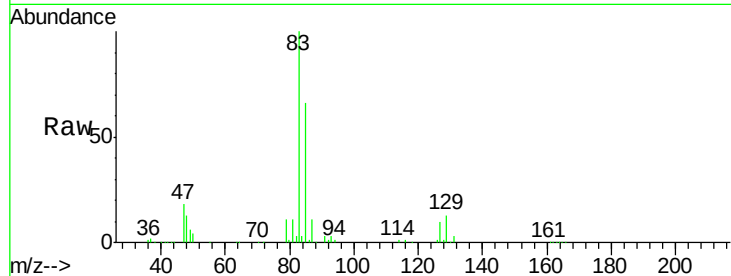
#47
 Bromodichloromethane
 Concen: 49.882 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	135165		
85	65.8	50.6	76.0	
127	9.7	6.7	10.1	

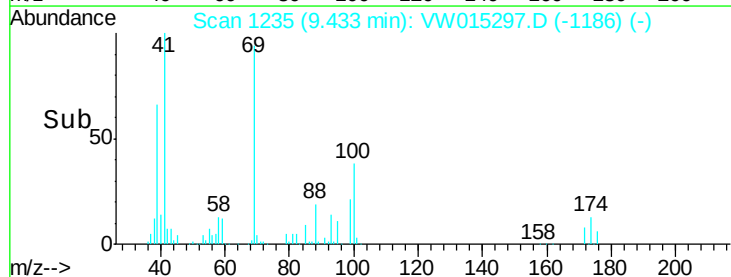
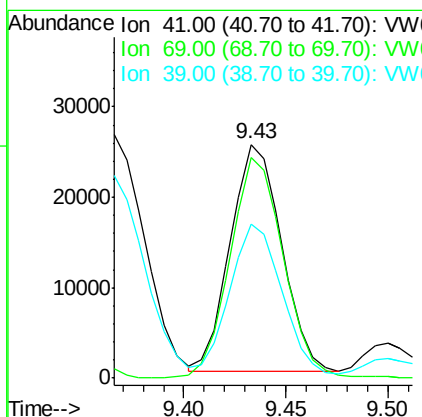
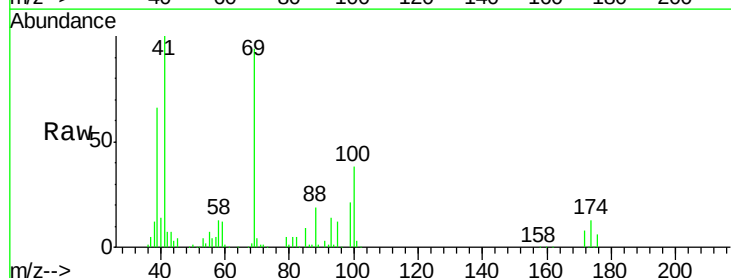
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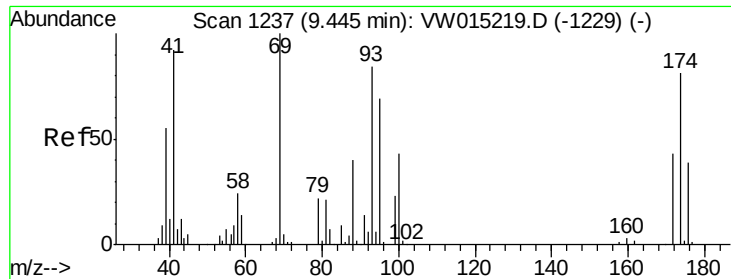
MMDadoda
 4/22/2020 11:41:31 AM



#48
 Methyl methacrylate
 Concen: 48.092 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	43651		
69	102.1	70.6	105.8	
39	71.2	42.6	64.0	





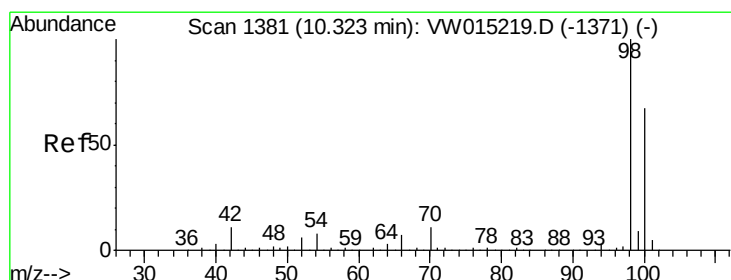
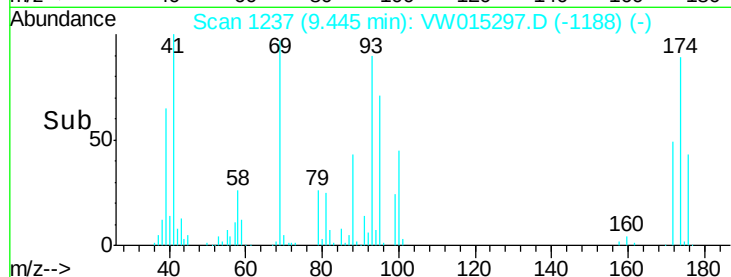
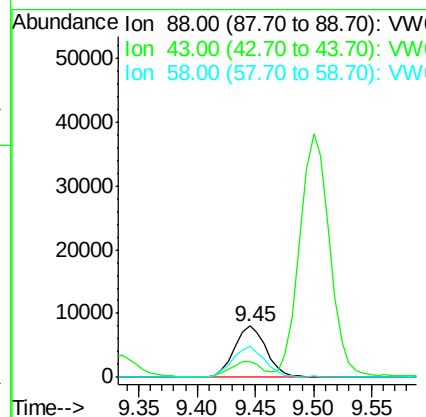
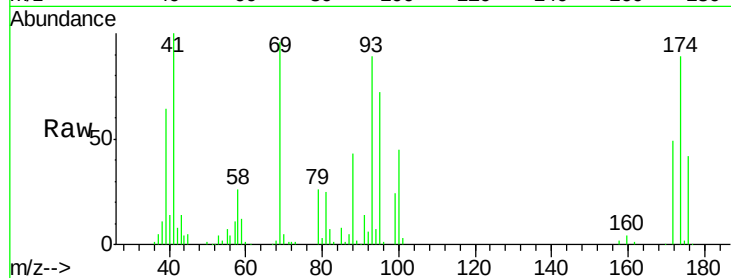
#49
1,4-Dioxane
Concen: 1147.359 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	15504
Ion	Ratio	Lower	Upper
88	100		
43	29.3	23.5	35.3
58	61.4	55.4	83.2

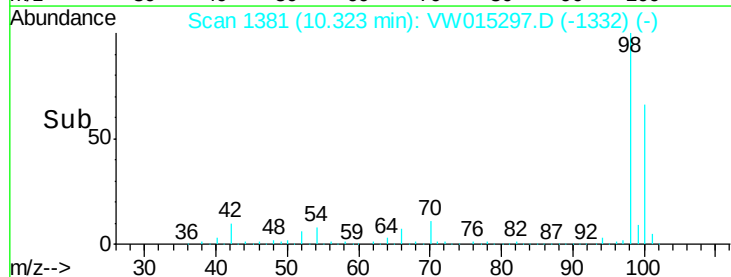
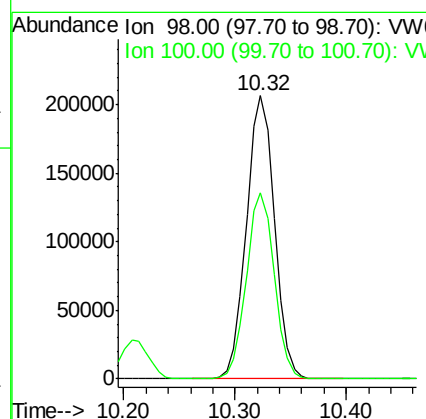
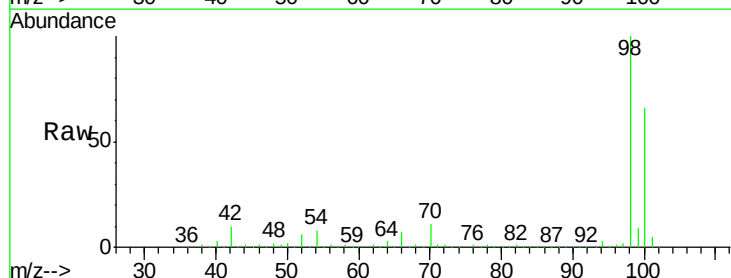
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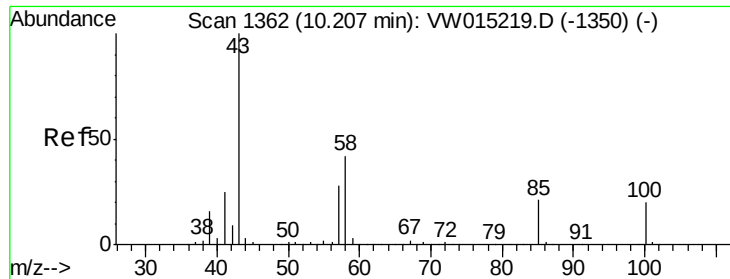
MMDadoda
4/22/2020 11:41:31 AM



#50
Toluene-d8
Concen: 49.668 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	98	Resp	361708
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 258.031 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 232567

Ion Ratio Lower Upper

43 100

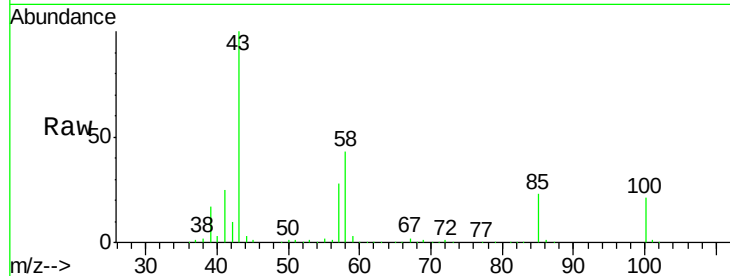
58 42.9 32.3 48.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

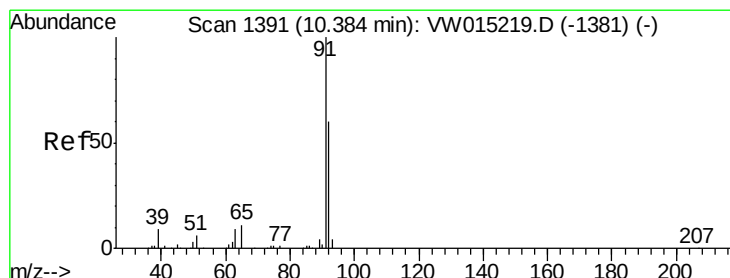
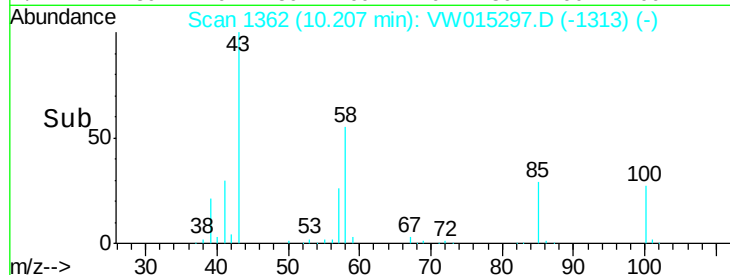
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 48.503 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015297.D

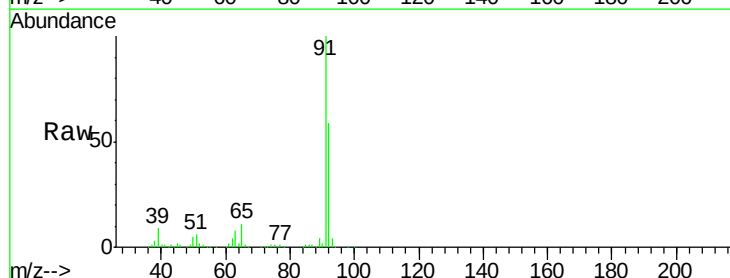
Acq: 22 Apr 2020 06:55

Tgt Ion: 92 Resp: 255777

Ion Ratio Lower Upper

92 100

91 171.4 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

250000

200000

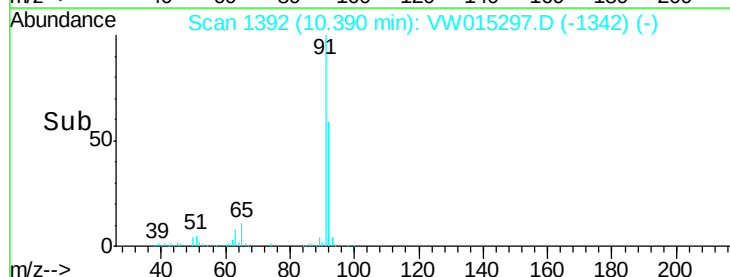
150000

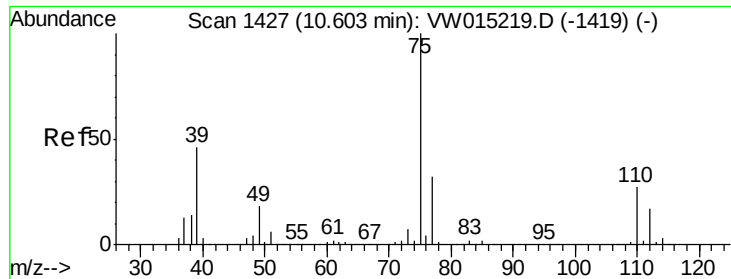
100000

50000

0

Time-->





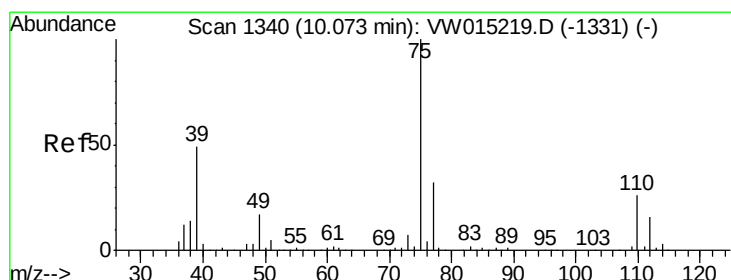
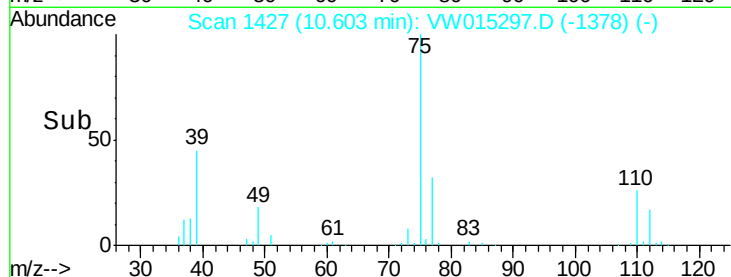
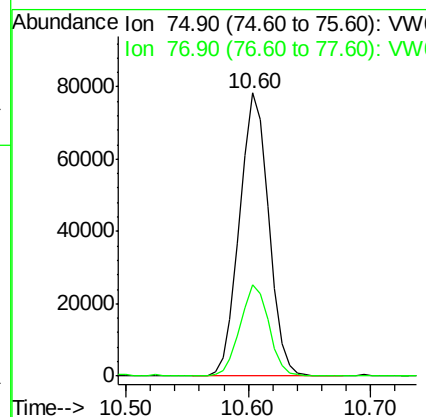
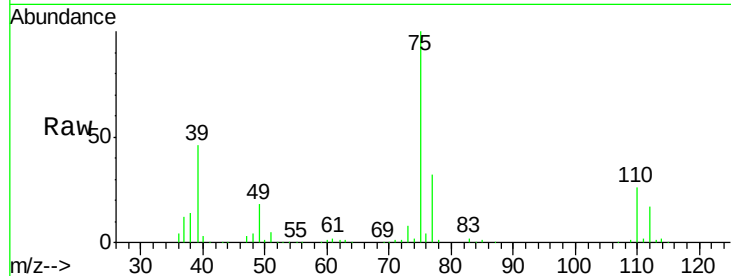
#53
t-1,3-Dichloropropene
Concen: 48.437 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.5	38.3

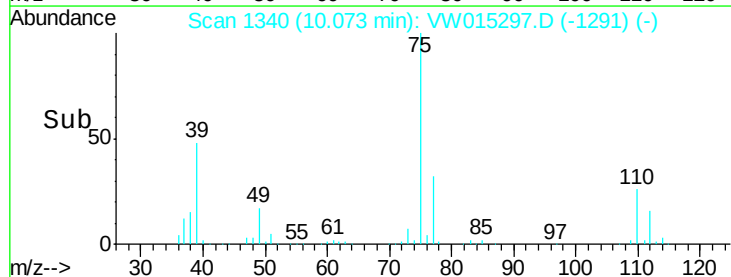
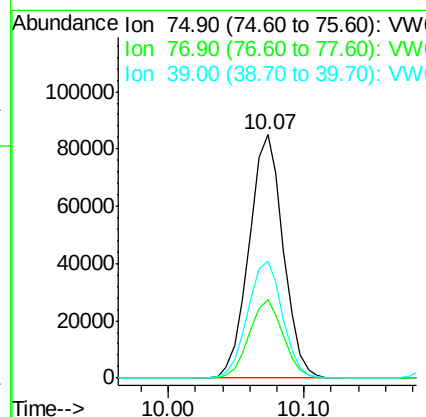
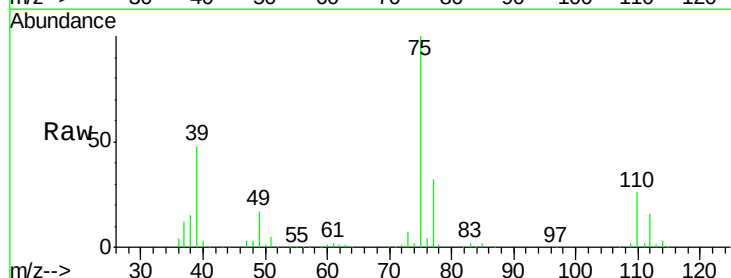
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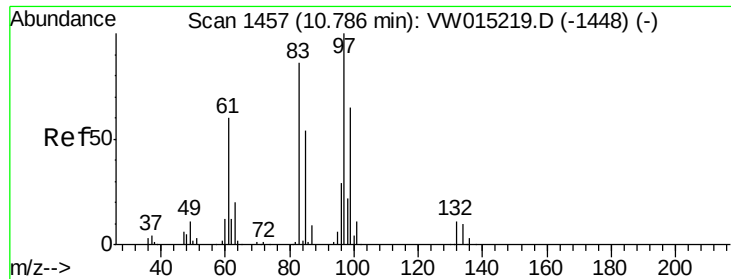
MMDadoda
4/22/2020 11:41:31 AM



#54
cis-1,3-Dichloropropene
Concen: 48.133 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	26.6	39.8
39	48.1	37.8	56.6





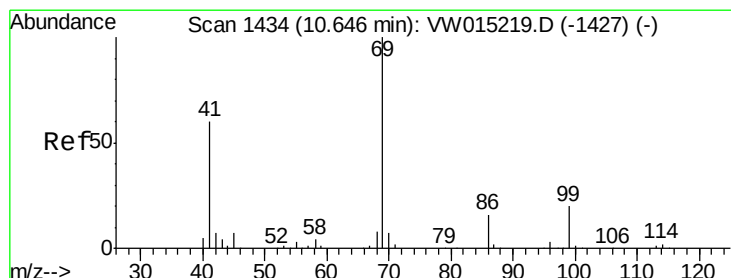
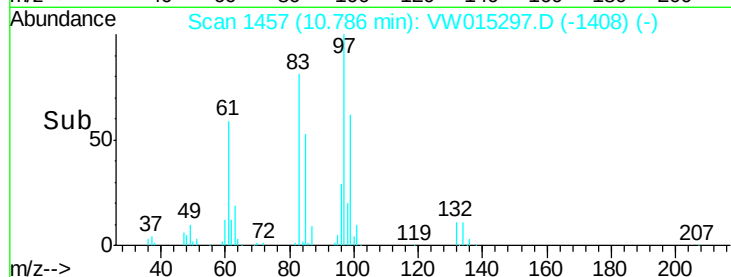
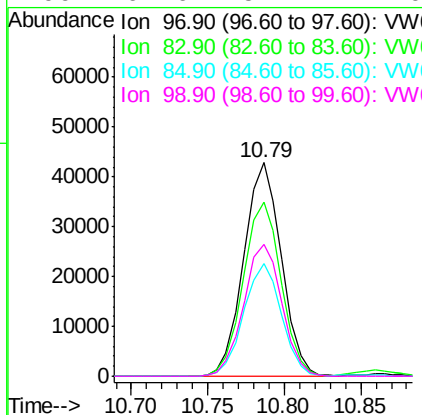
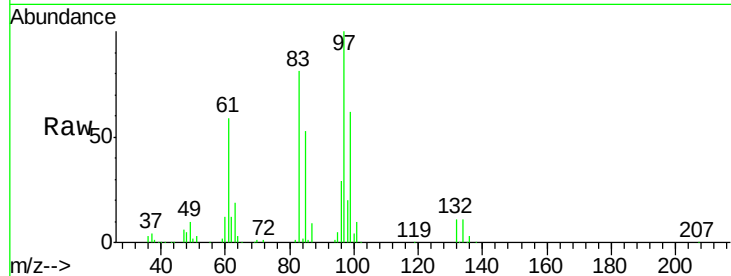
#55
 1,1,2-Trichloroethane
 Concen: 51.659 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	73322
Ion	Ratio	Lower	Upper
97	100		
83	81.3	67.3	100.9
85	52.8	43.8	65.8
99	61.6	51.4	77.0

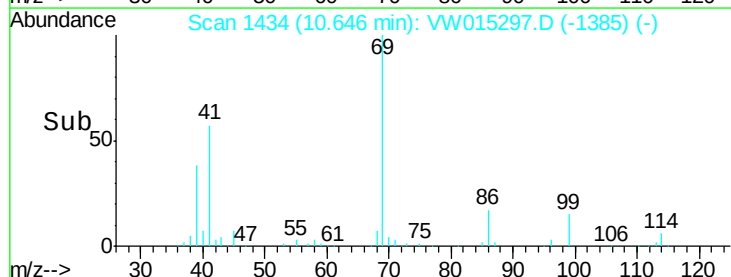
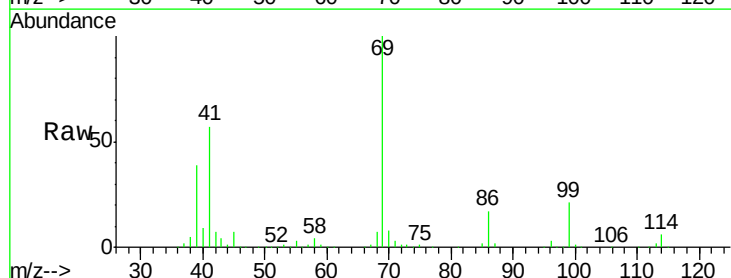
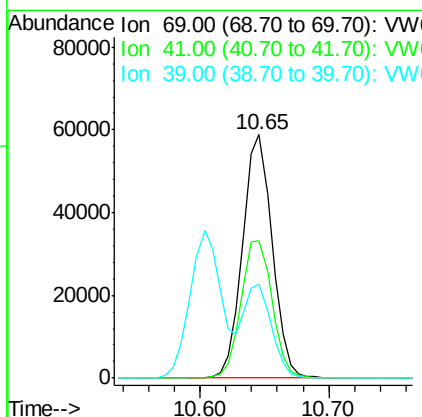
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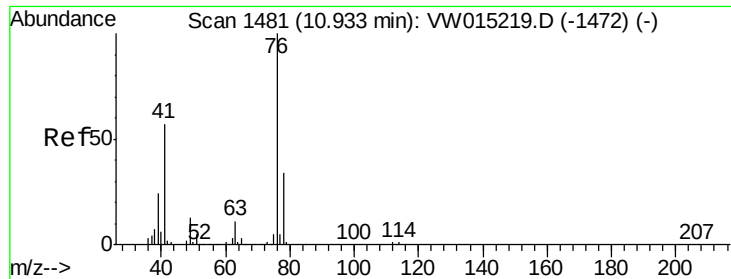
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#56
 Ethyl methacrylate
 Concen: 51.141 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Tgt Ion:	69	Resp:	93510
Ion	Ratio	Lower	Upper
69	100		
41	58.7	51.3	76.9
39	35.4	24.6	37.0





#57

1,3-Dichloropropane

Concen: 51.930 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 122095

Ion Ratio Lower Upper

76 100

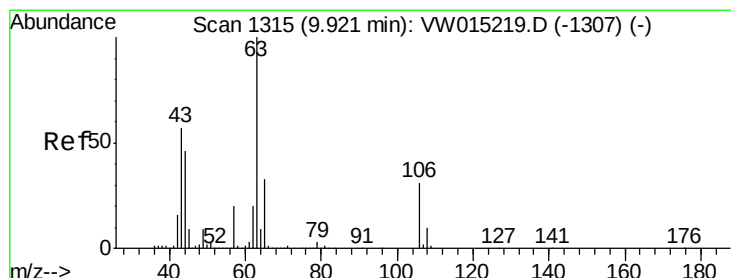
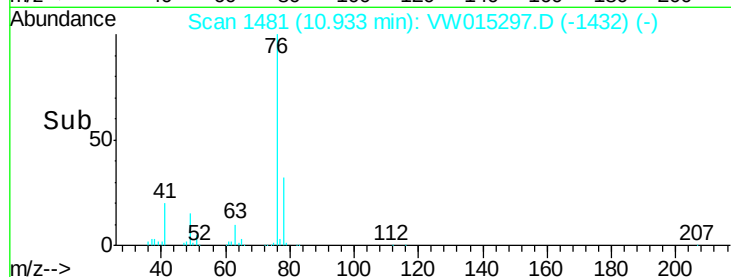
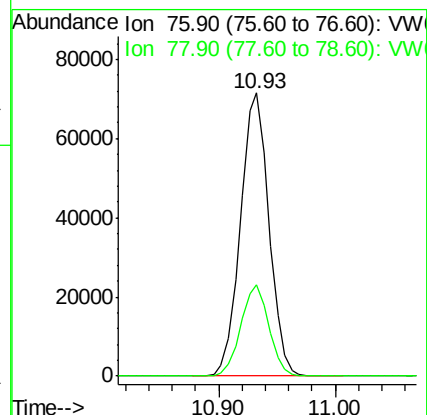
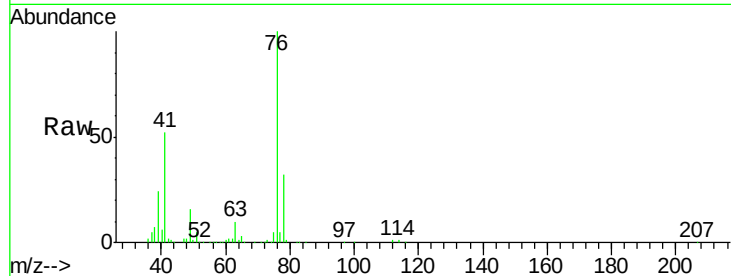
78 31.9 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 239.645 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW015297.D

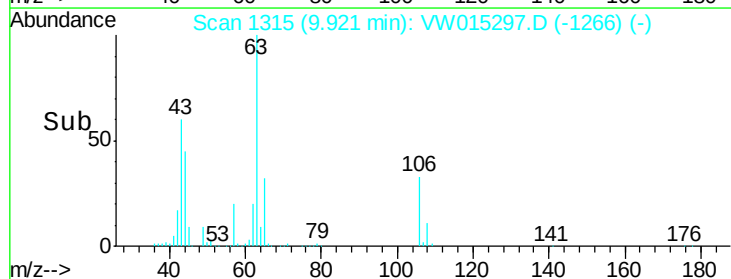
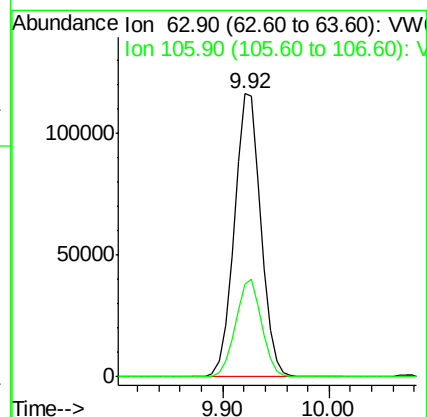
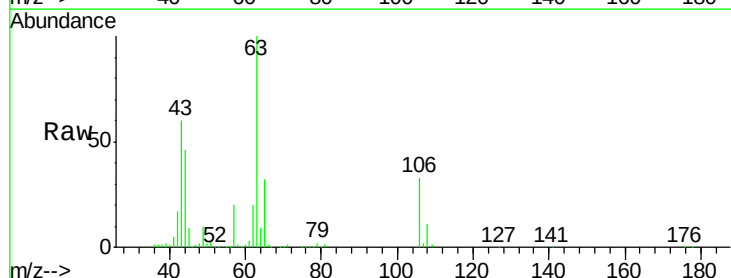
Acq: 22 Apr 2020 06:55

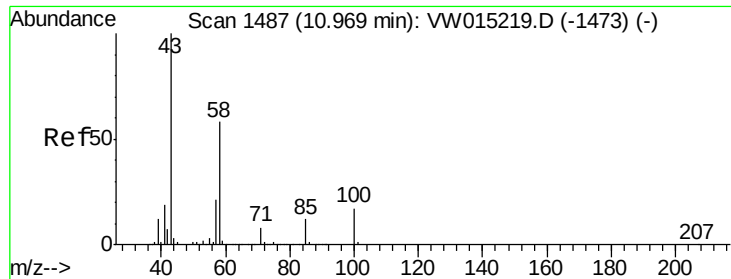
Tgt Ion: 63 Resp: 203149

Ion Ratio Lower Upper

63 100

106 34.0 22.6 33.8#





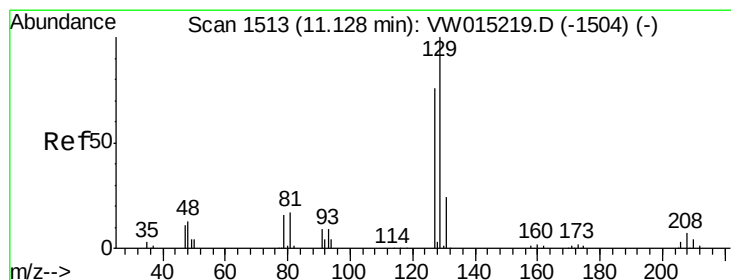
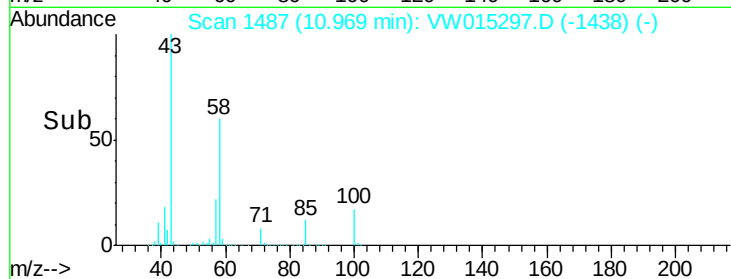
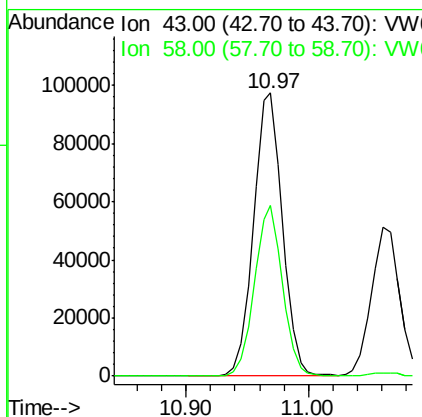
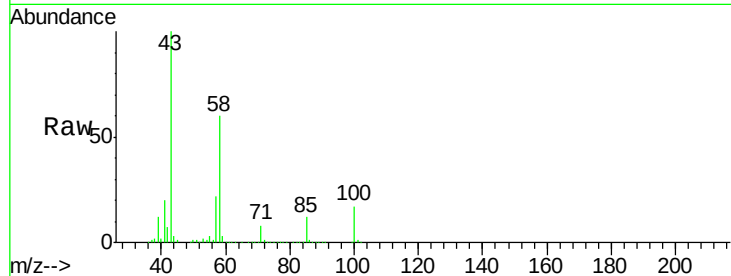
#59
2-Hexanone
Concen: 248.764 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 160053
Ion Ratio Lower Upper
43 100
58 58.6 28.1 84.3

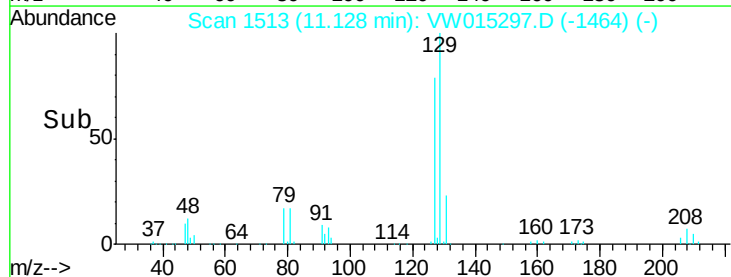
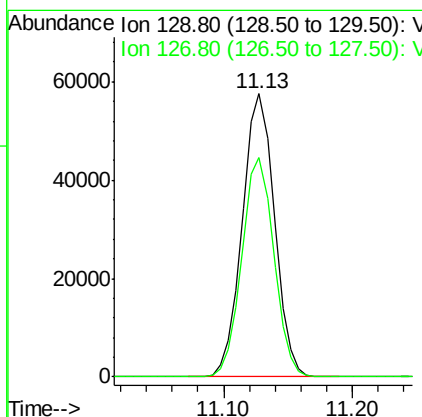
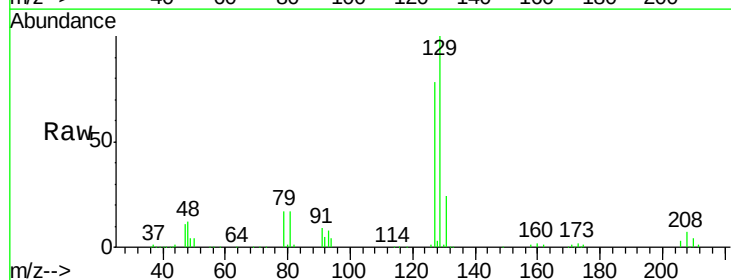
Manual Integrations
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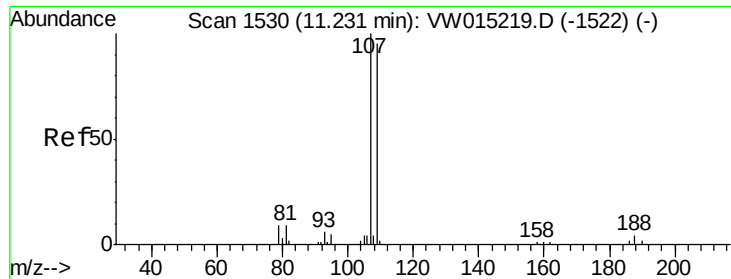
MMDadoda
4/22/2020 11:41:31 AM



#60
Dibromochloromethane
Concen: 53.122 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion: 129 Resp: 99551
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.8





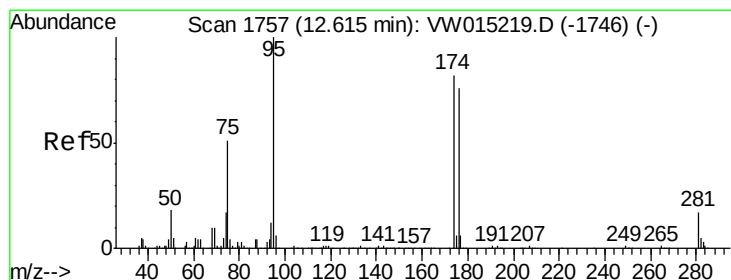
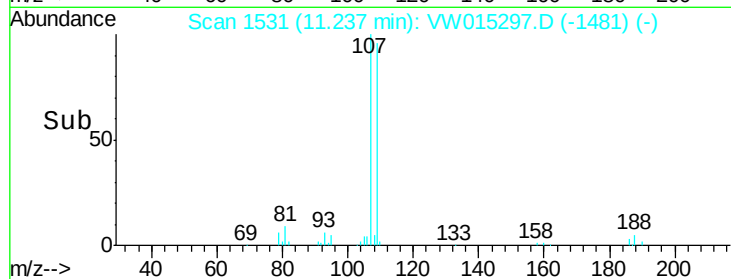
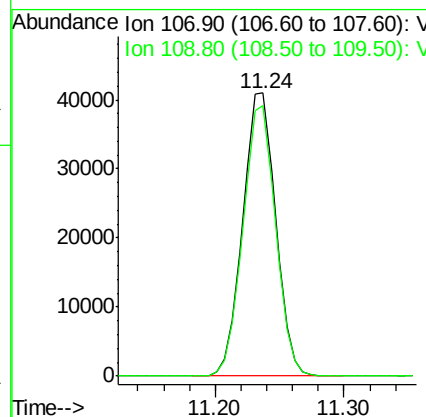
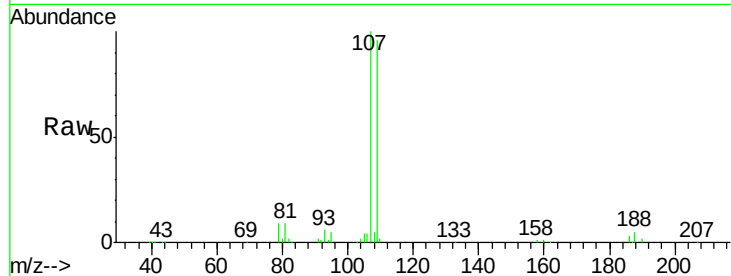
#61
 1,2-Dibromoethane
 Concen: 52.219 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.3	111.5

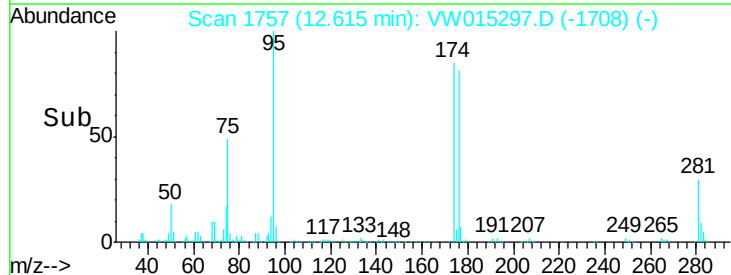
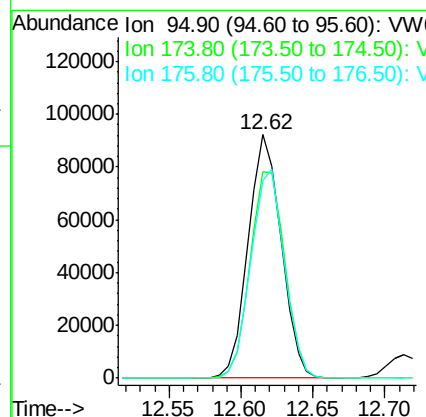
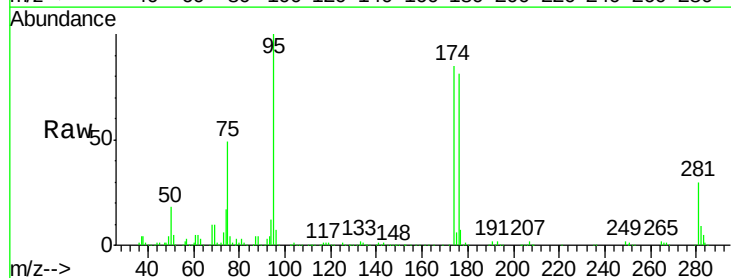
Manual Integrations
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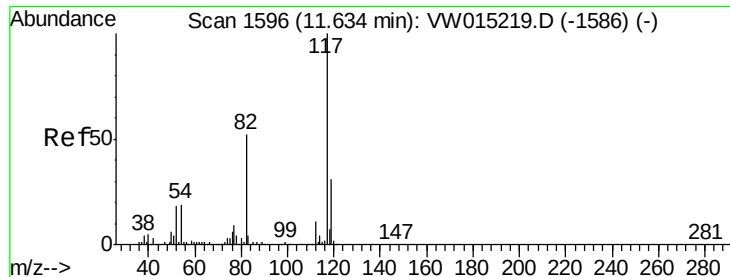
MMDadoda
 4/22/2020 11:41:31 AM



#62
 4-Bromofluorobenzene
 Concen: 52.542 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	144.4
176	87.0	0.0	140.6





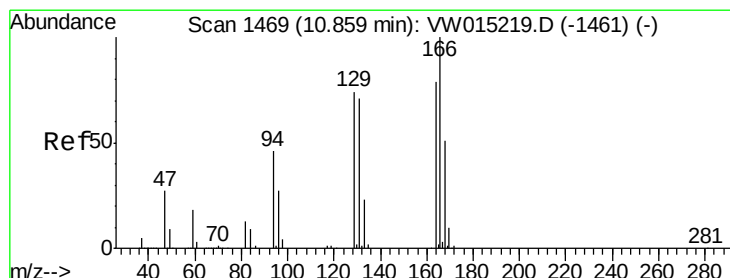
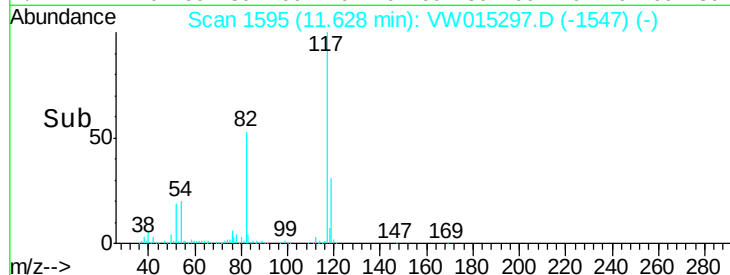
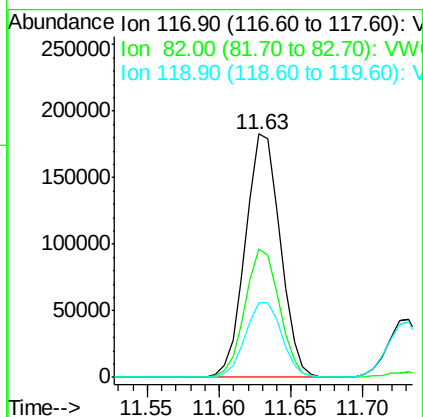
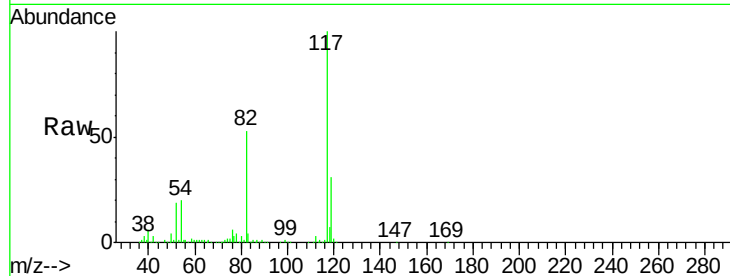
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	44.1	66.1
119	30.6	24.9	37.3

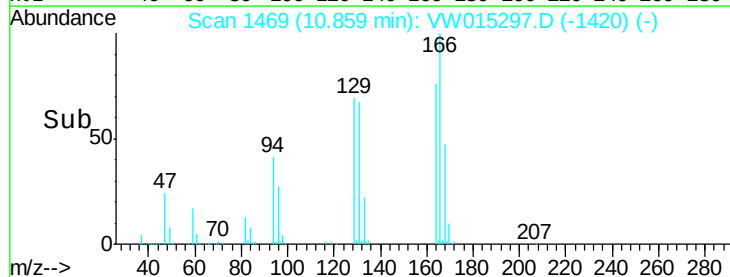
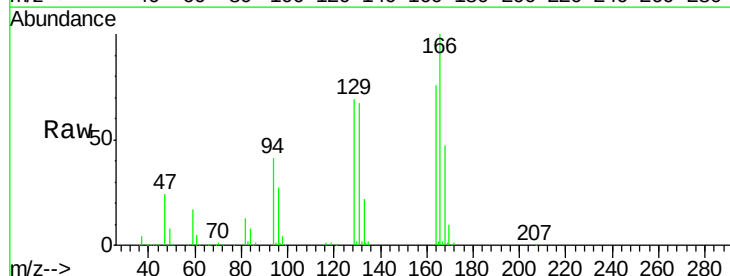
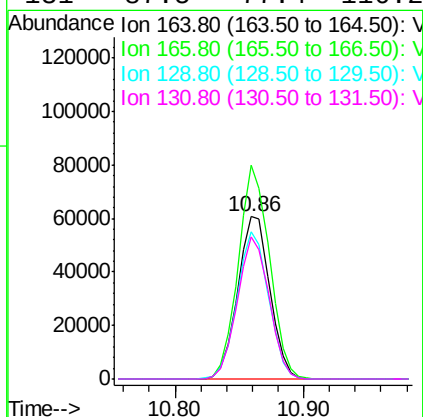
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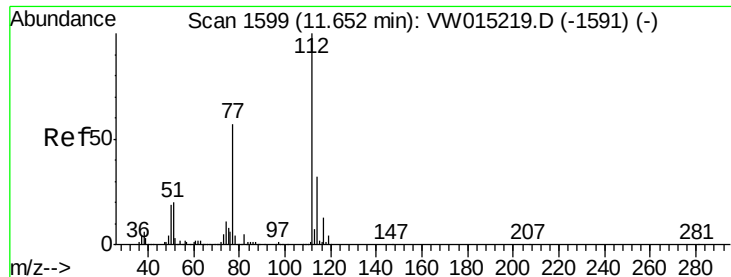
MMDadoda
4/22/2020 11:41:31 AM



#64
Tetrachloroethene
Concen: 48.042 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	102.6	154.0
129	90.3	80.2	120.2
131	87.5	77.4	116.2





#65

Chlorobenzene

Concen: 48.490 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 291338

Ion Ratio Lower Upper

112 100

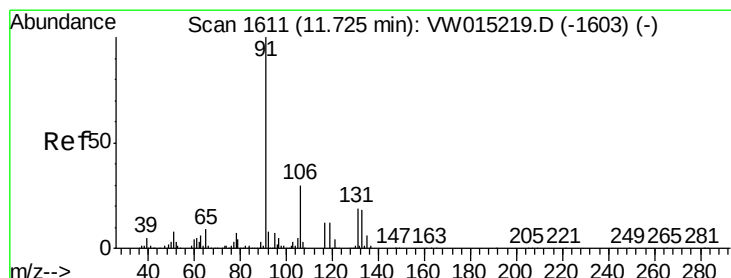
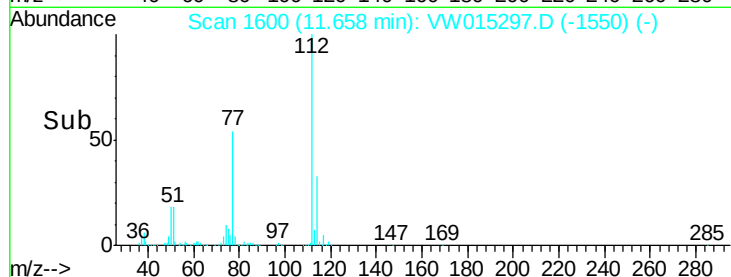
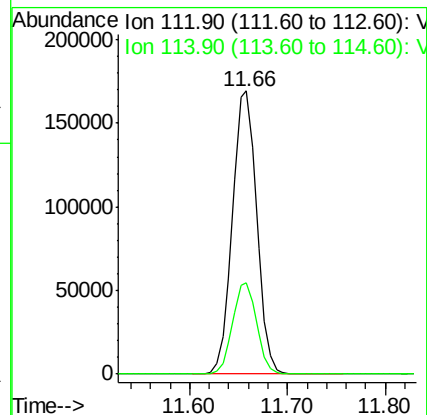
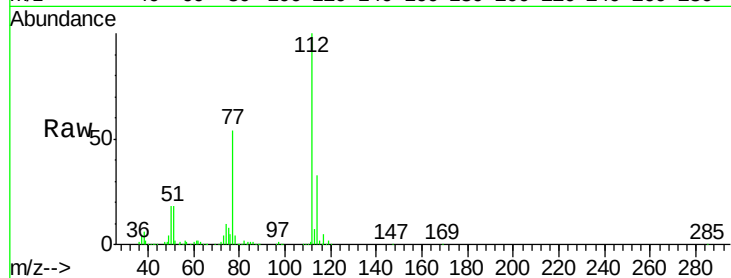
114 32.5 25.8 38.6

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 50.017 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

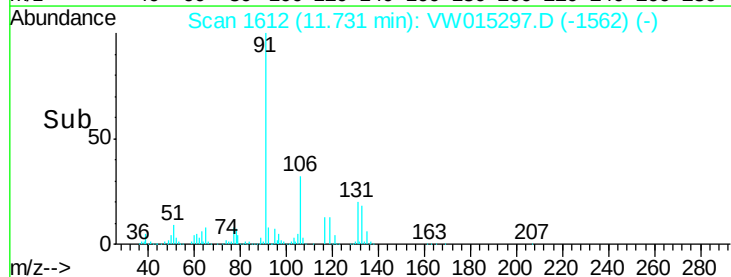
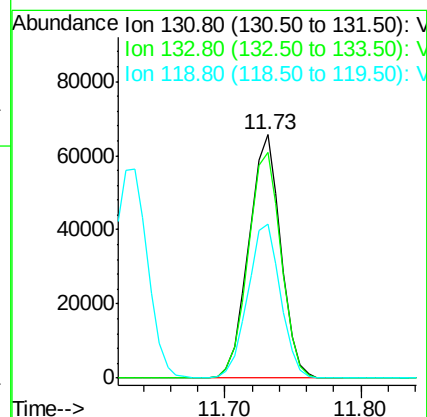
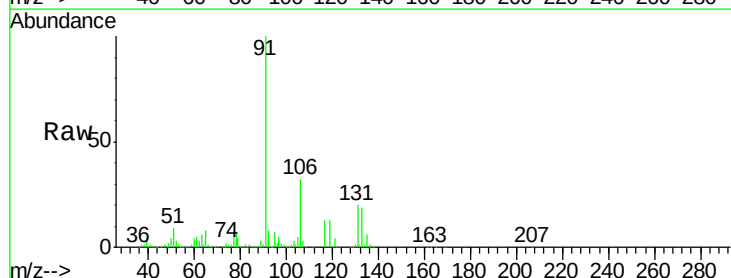
Tgt Ion:131 Resp: 108009

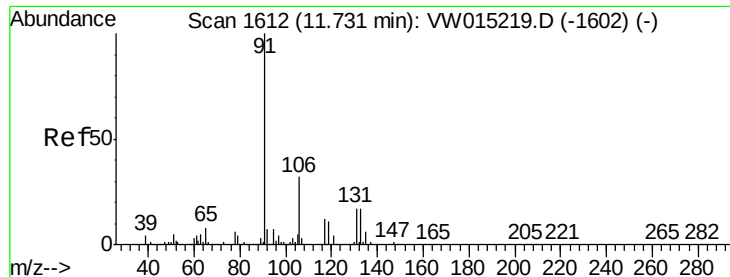
Ion Ratio Lower Upper

131 100

133 95.5 47.7 143.1

119 65.1 34.0 101.8





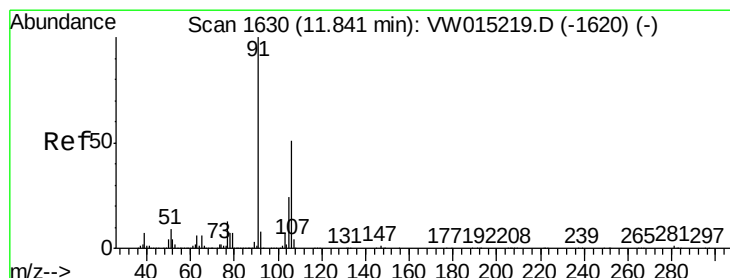
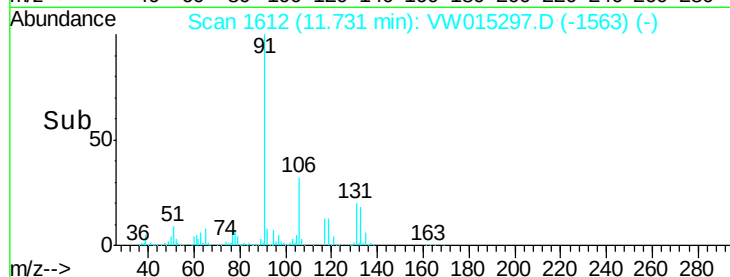
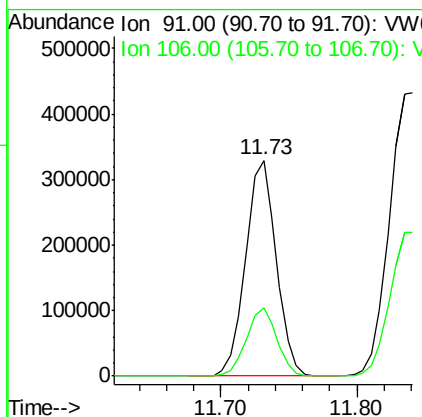
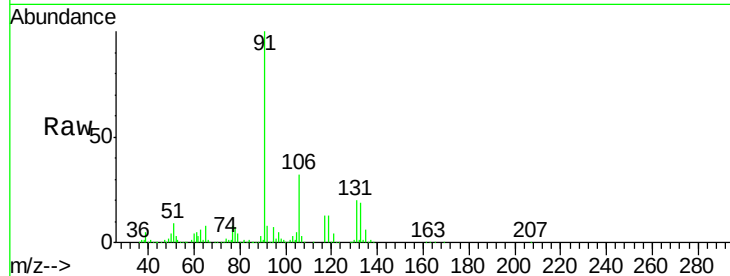
#67
Ethyl Benzene
Concen: 46.447 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.7	38.5

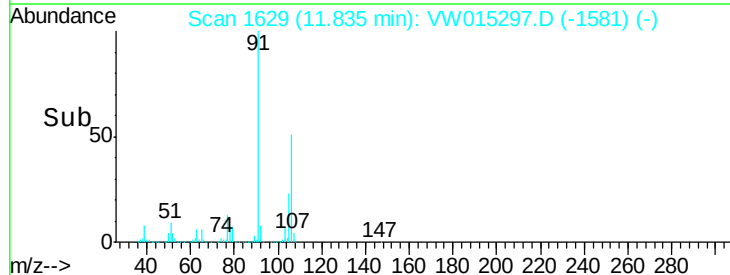
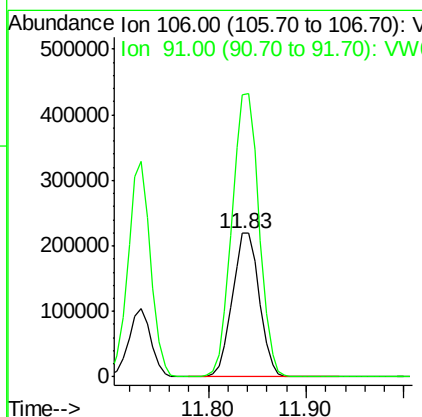
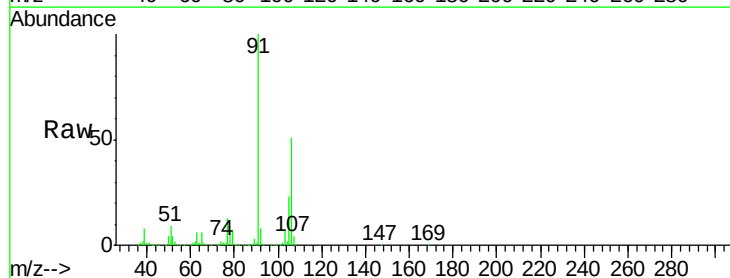
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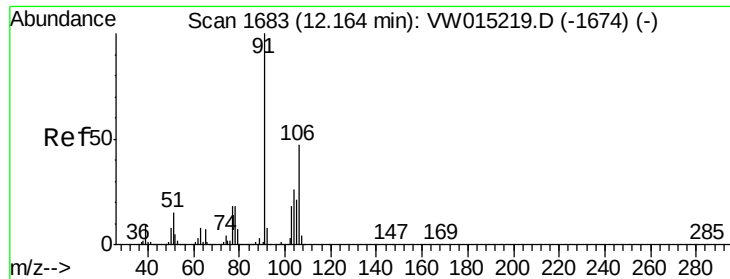
MMDadoda
4/22/2020 11:41:31 AM



#68
m/p-Xylenes
Concen: 95.498 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.1	160.0	240.0





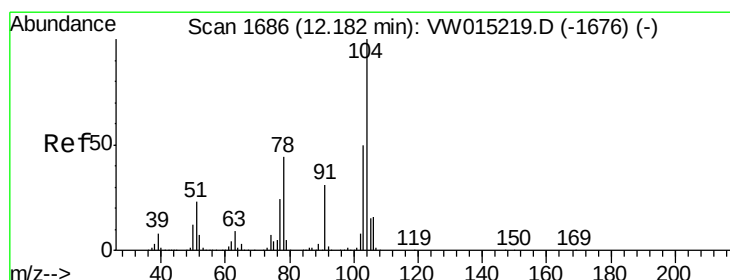
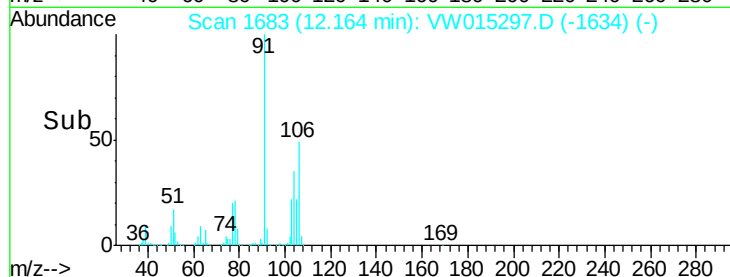
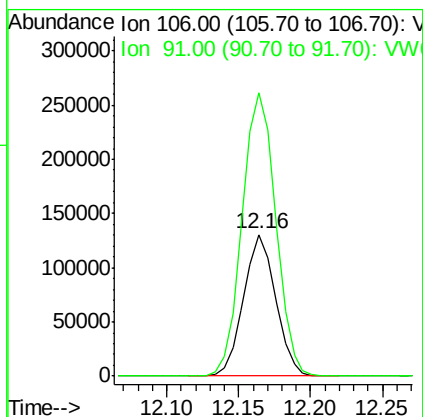
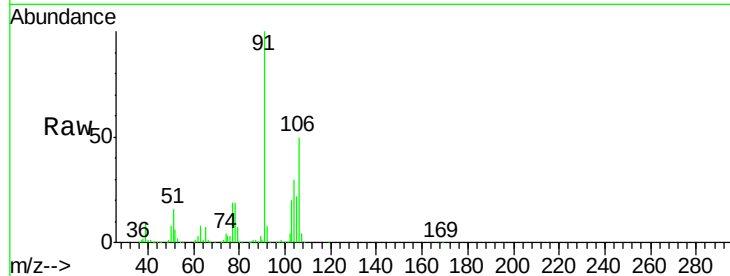
#69
o-Xylene
Concen: 49.327 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.5	105.7	317.1

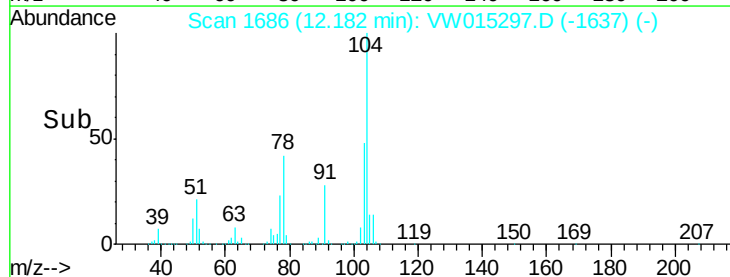
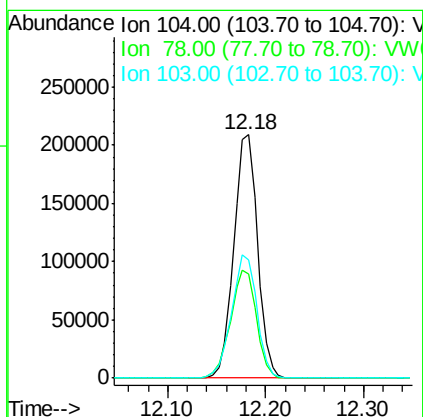
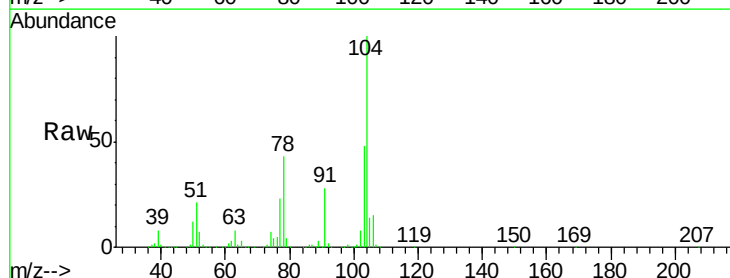
Manual Integrations
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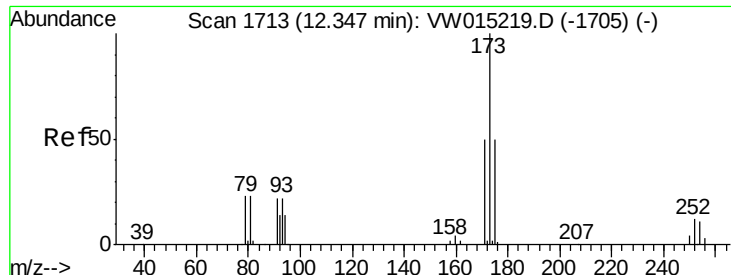
MMDadoda
4/22/2020 11:41:31 AM



#70
Styrene
Concen: 50.409 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.2	39.8	59.6
103	53.8	43.8	65.6





#71

Bromoform

Concen: 51.807 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 63037

Ion Ratio Lower Upper

173 100

175 47.9 25.1 75.4

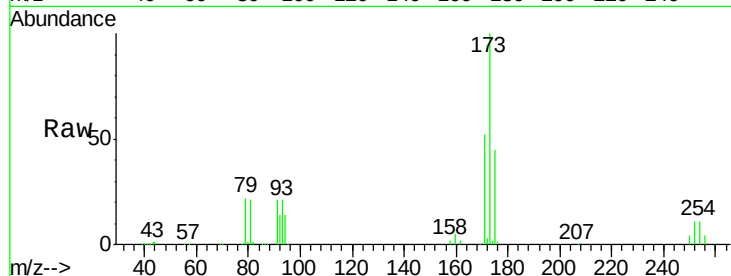
254 0.0 0.1 0.1#

Manual Integrations

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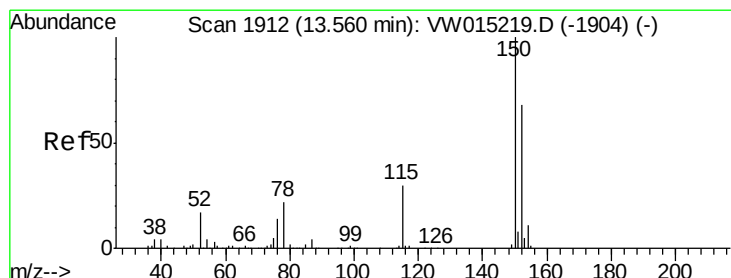
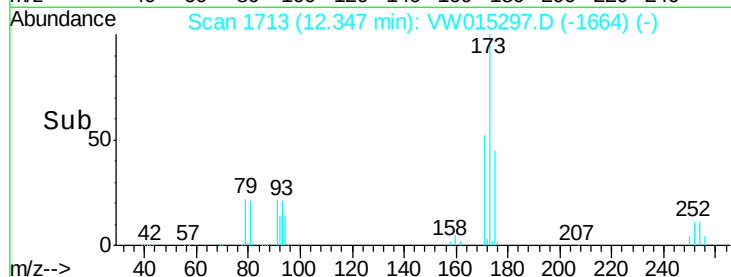
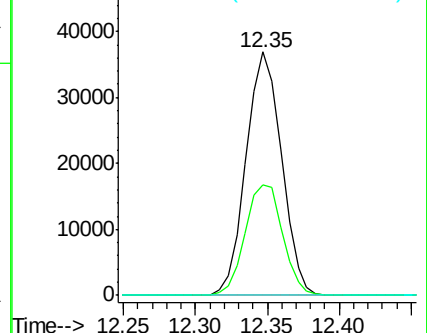
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

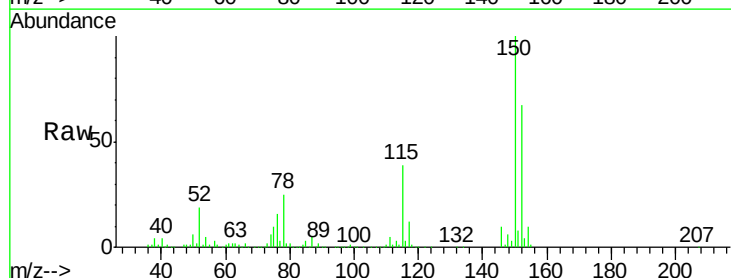
Tgt Ion:152 Resp: 177119

Ion Ratio Lower Upper

152 100

115 56.6 31.3 93.9

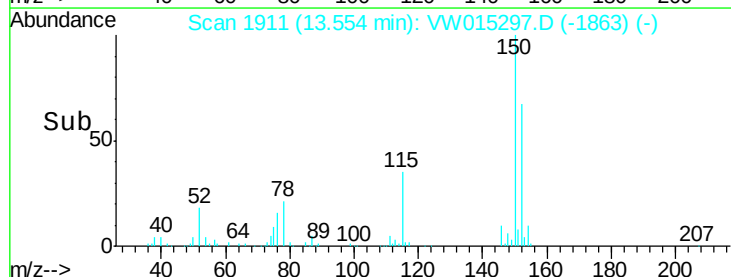
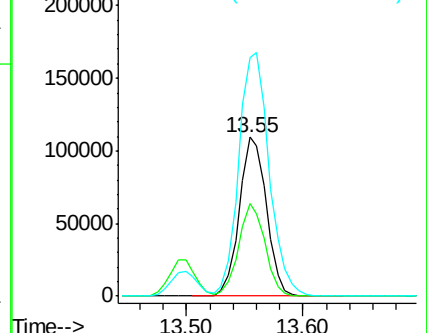
150 172.3 0.0 343.4

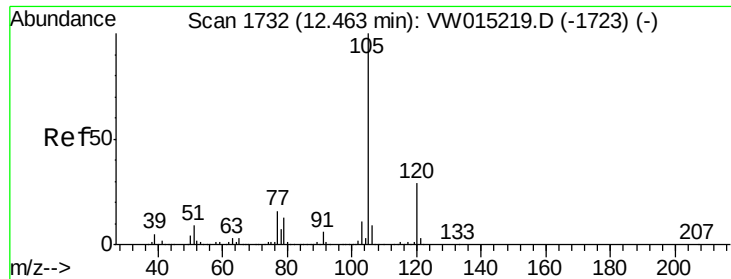


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





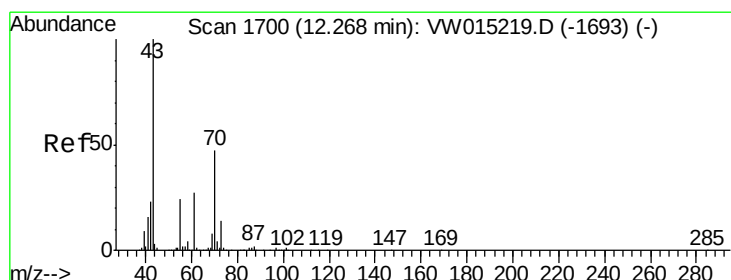
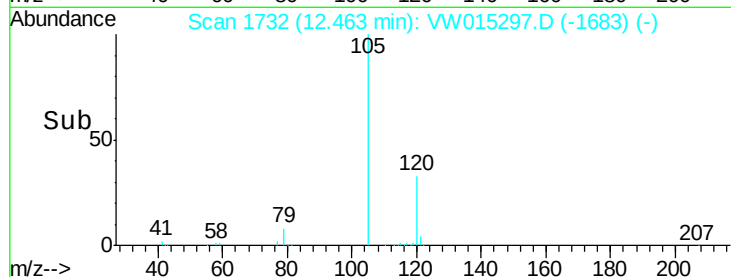
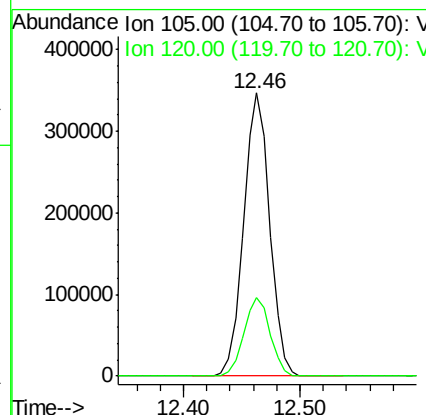
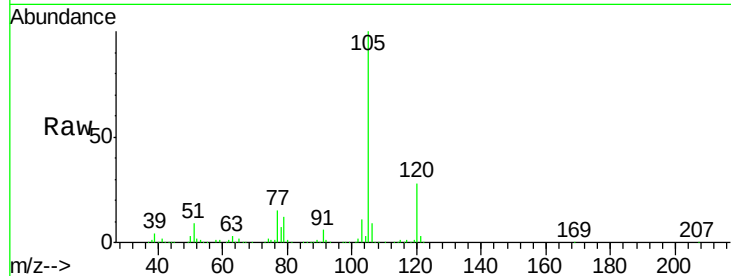
#73
Isopropylbenzene
Concen: 43.857 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.7	41.1

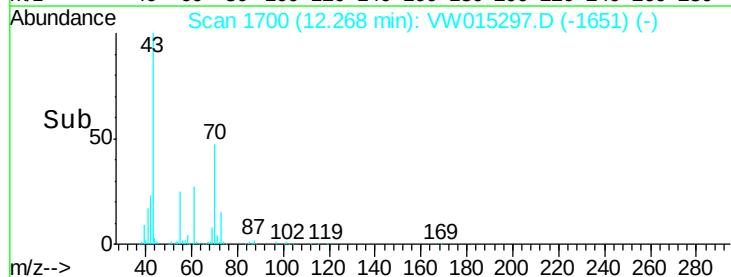
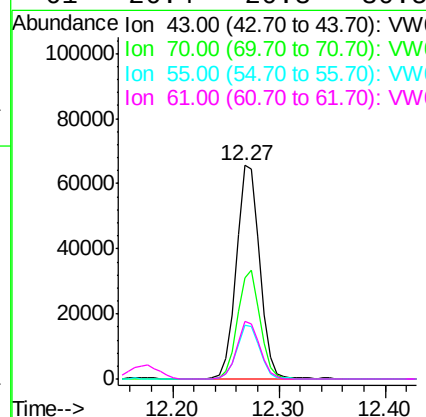
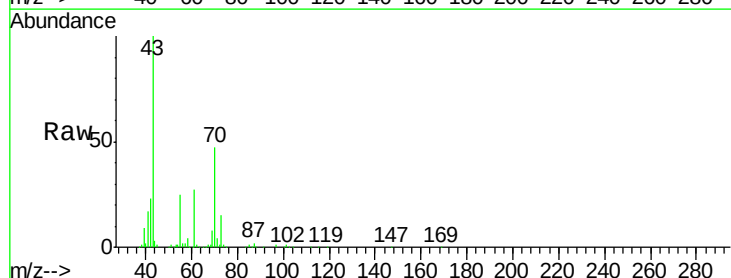
Manual Integrations
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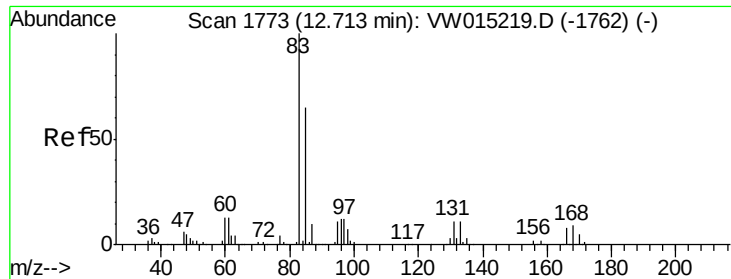
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#74
N-ethyl acetate
Concen: 47.091 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.4	35.4	53.2
55	25.2	18.5	27.7
61	26.4	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.847 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

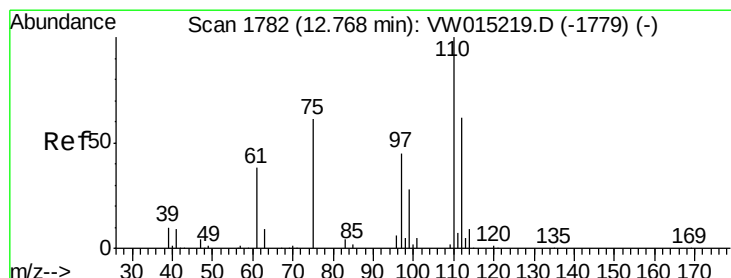
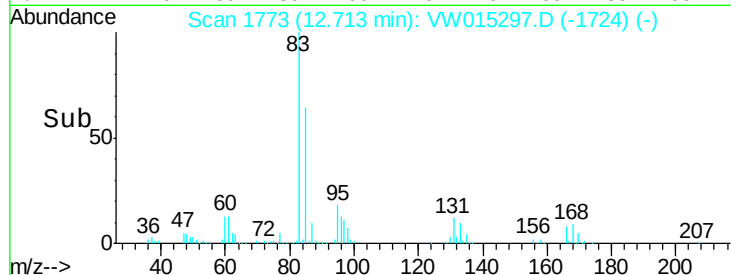
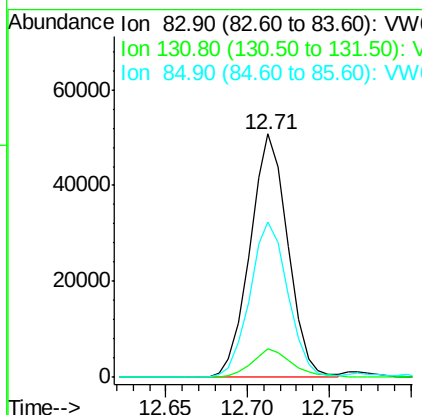
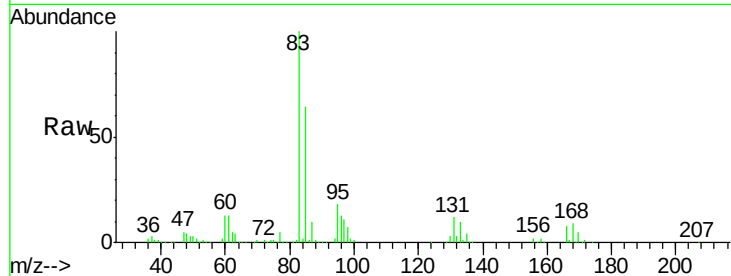
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	81683
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.1	15.2
85	64.2	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 46.696 ug/l m

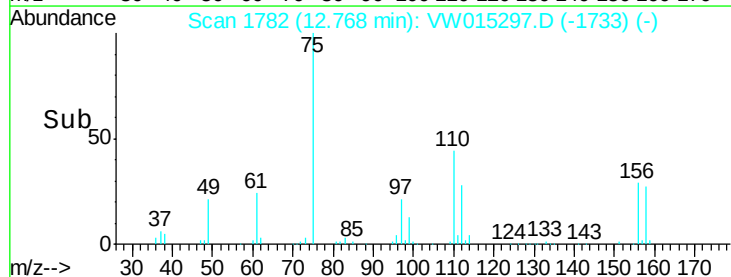
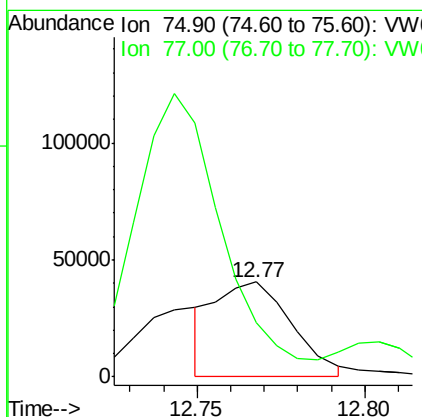
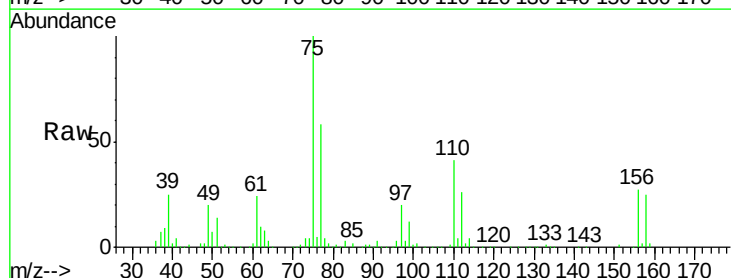
RT: 12.77 min Scan# 1782

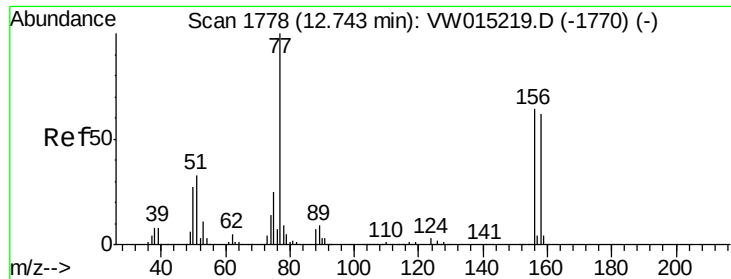
Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Tgt Ion:	75	Resp:	63983
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.927 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 138045

Ion Ratio Lower Upper

156 100

77 160.3 100.5 301.5

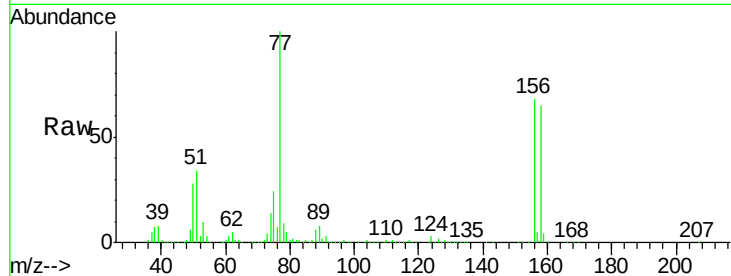
158 96.1 47.9 143.8

Manual Integrations

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MMDadoda

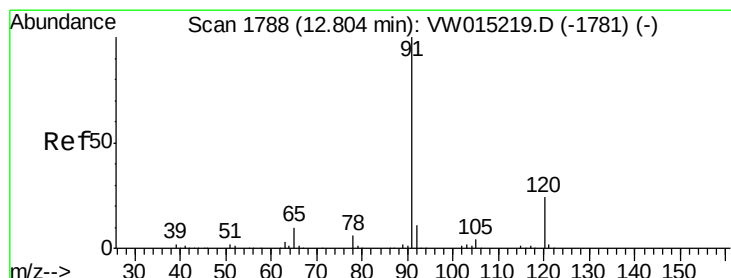
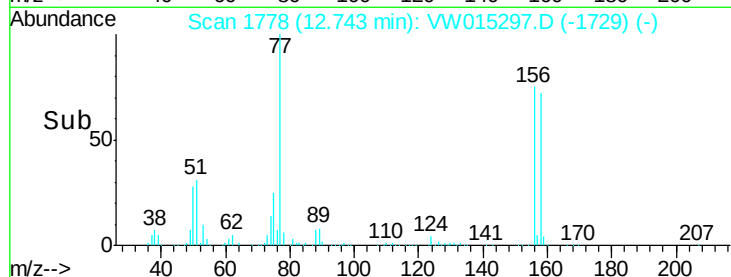
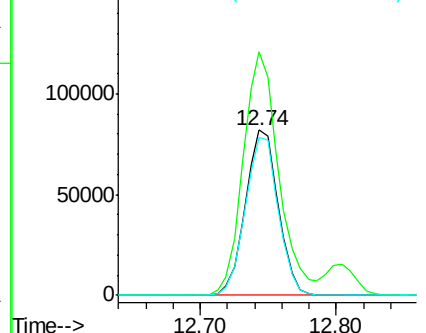
4/22/2020 11:41:31 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 43.385 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015297.D

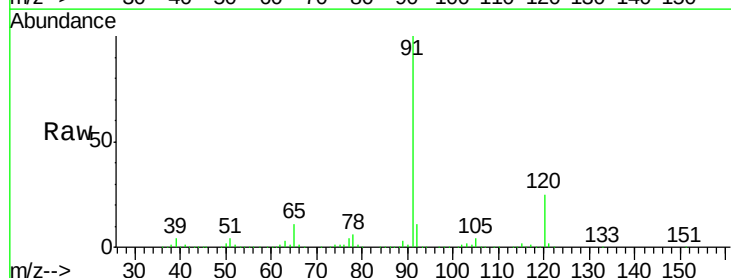
Acq: 22 Apr 2020 06:55

Tgt Ion: 91 Resp: 620337

Ion Ratio Lower Upper

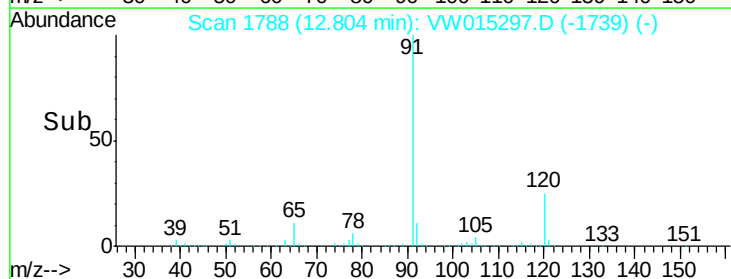
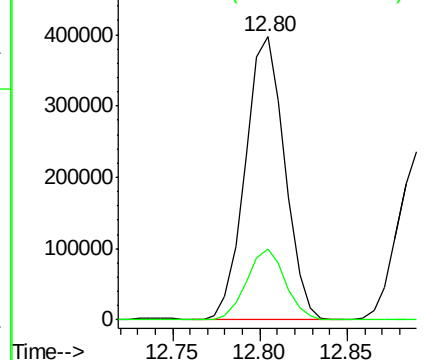
91 100

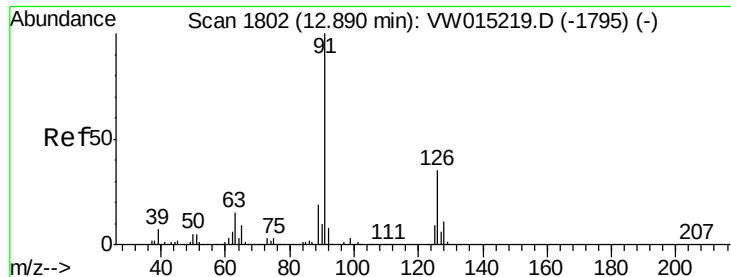
120 24.5 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





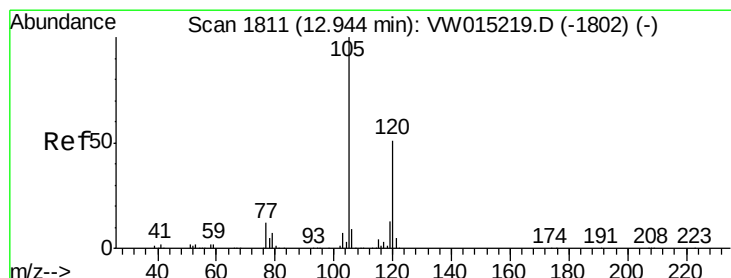
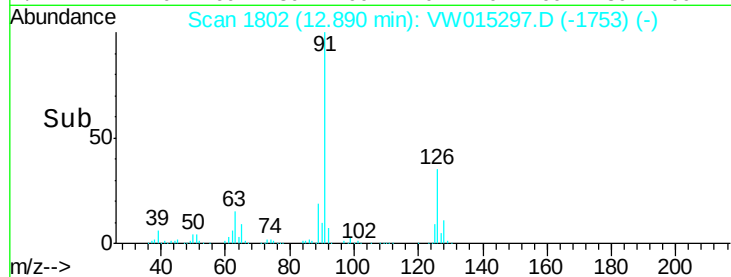
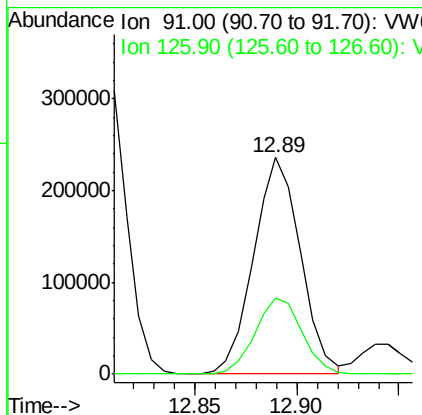
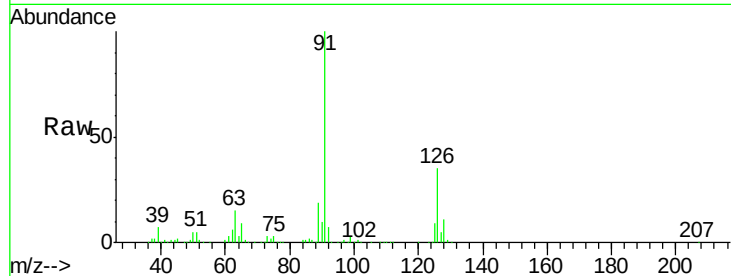
#79
 2-Chlorotoluene
 Concen: 46.530 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 91 Resp: 374936
 Ion Ratio Lower Upper
 91 100
 126 35.5 16.8 50.4

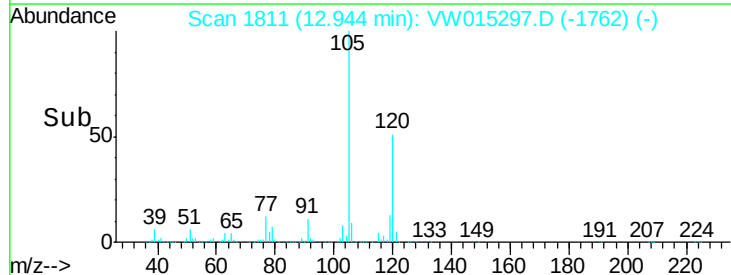
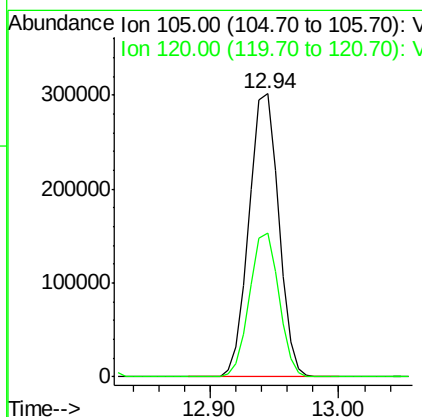
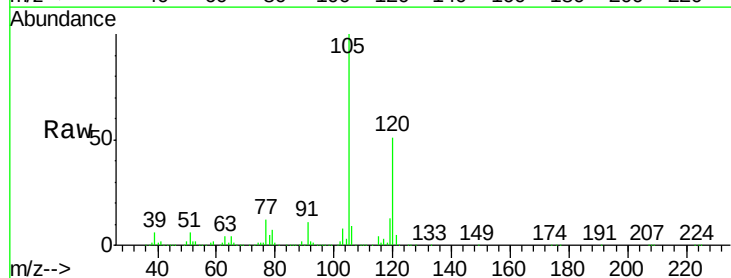
Manual Integrations
 APPROVED

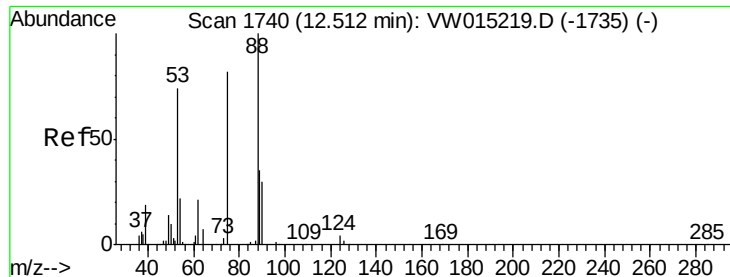
MMDadoda
 4/22/2020 11:41:31 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 45.192 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Tgt Ion: 105 Resp: 478068
 Ion Ratio Lower Upper
 105 100
 120 50.4 24.9 74.8





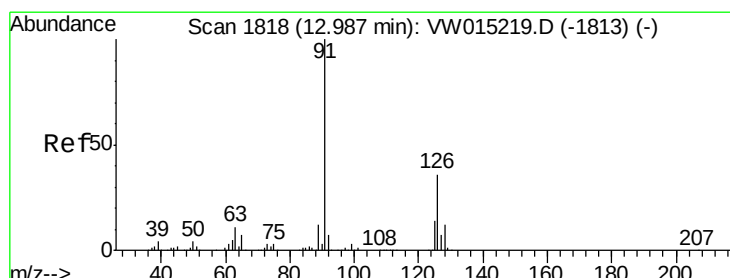
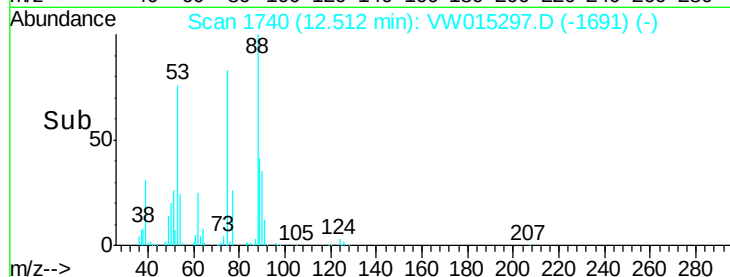
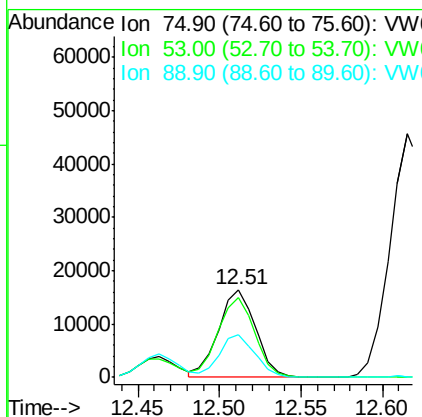
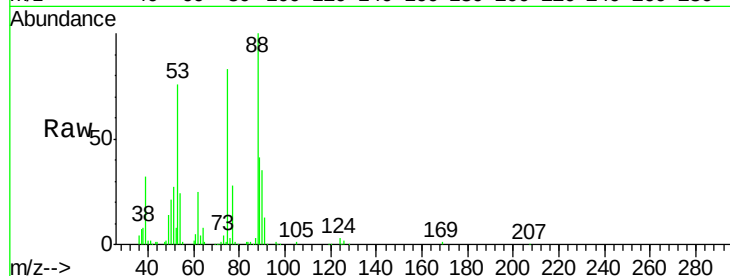
#81
trans-1,4-Dichloro-2-butene
Concen: 40.954 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	69.4	104.2
89	47.5	34.8	52.2

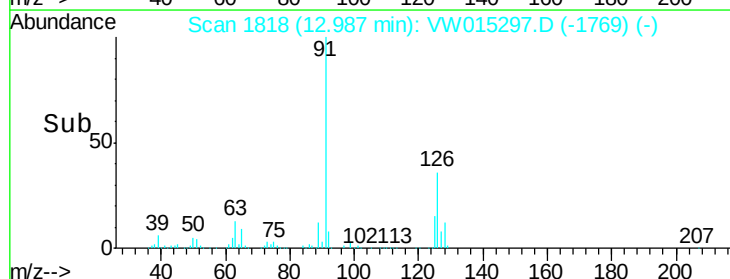
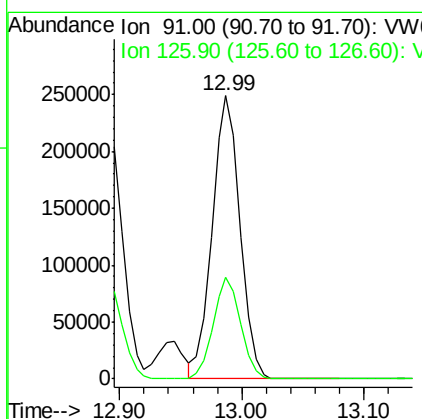
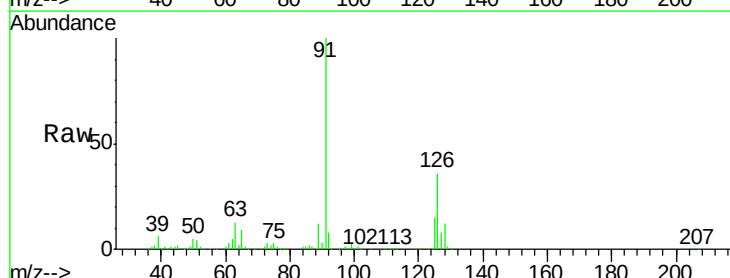
Manual Integrations
APPROVED

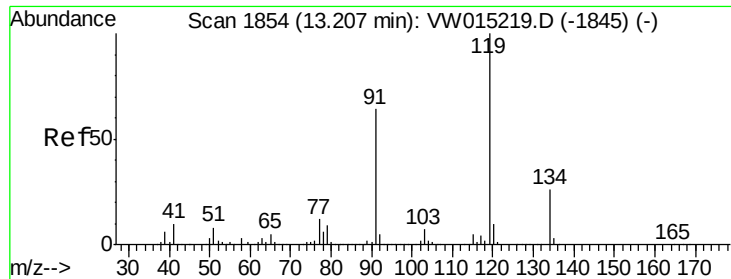
MMDadoda
4/22/2020 11:41:31 AM



#82
4-Chlorotoluene
Concen: 45.894 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.8	50.3





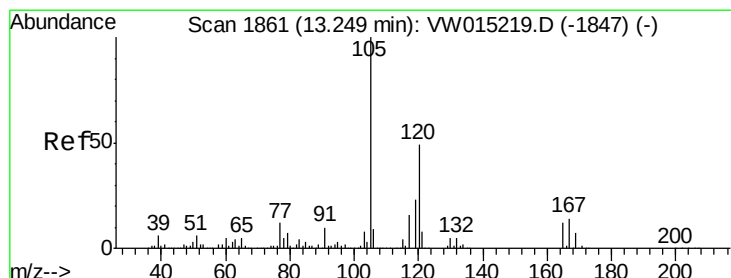
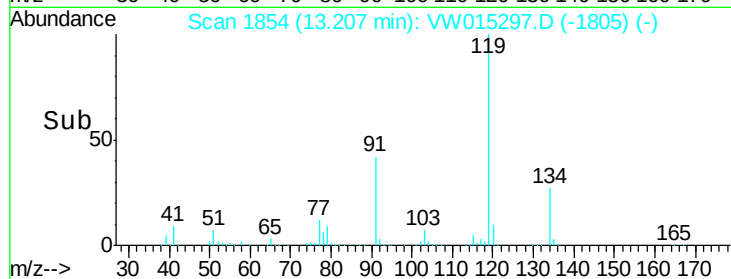
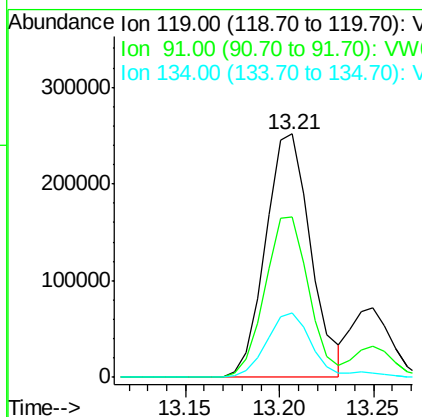
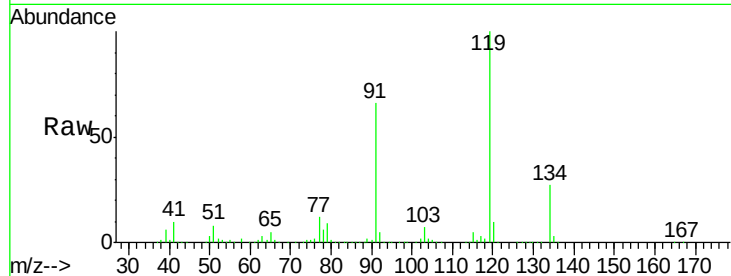
#83
tert-Butylbenzene
Concen: 45.360 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.8	98.3
134	27.4	13.3	39.9

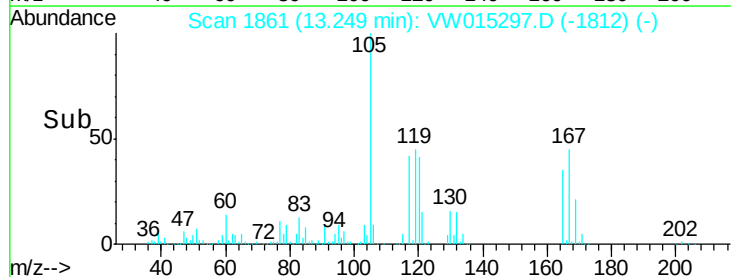
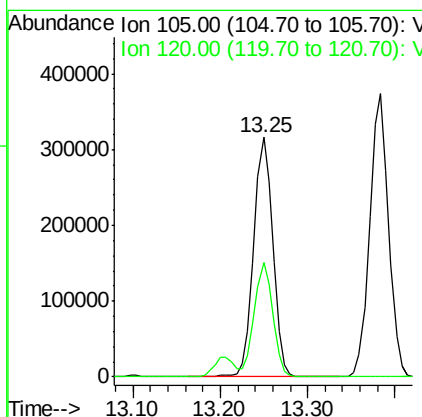
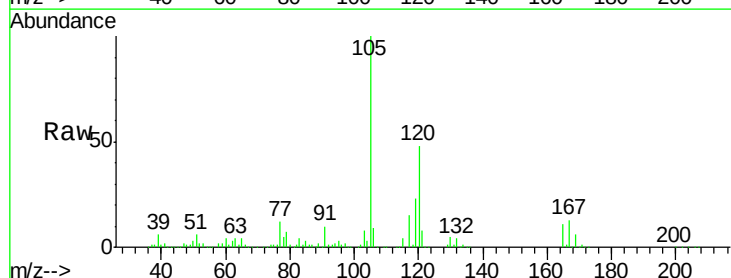
Manual Integrations
APPROVED

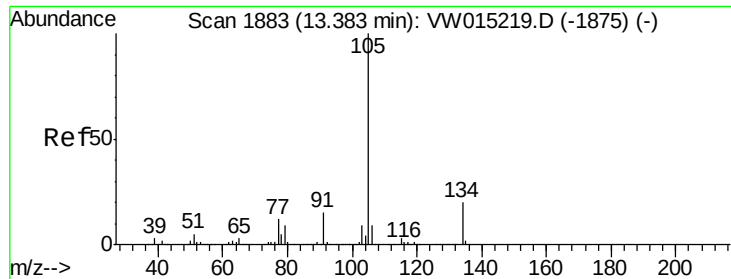
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#84
1,2,4-Trimethylbenzene
Concen: 45.893 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.0	69.0





#85

sec-Butylbenzene

Concen: 44.123 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 563402

Ion Ratio Lower Upper

105 100

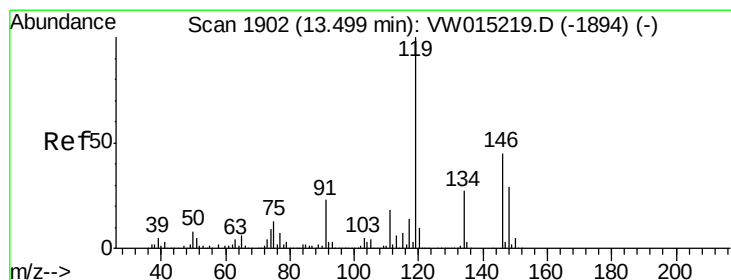
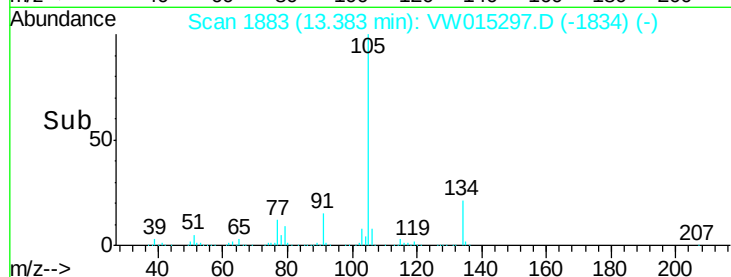
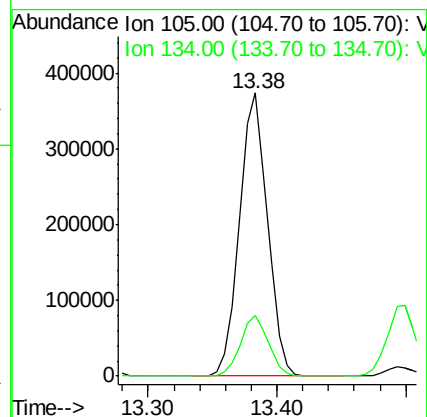
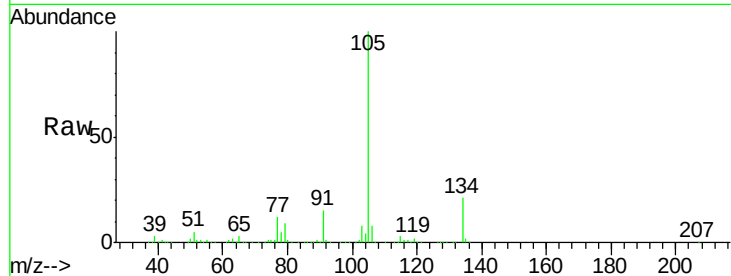
134 21.3 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 43.949 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015297.D

Acq: 22 Apr 2020 06:55

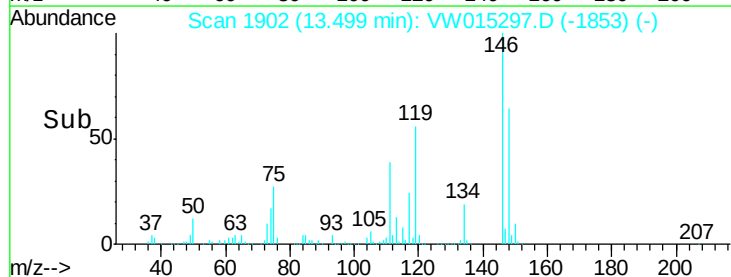
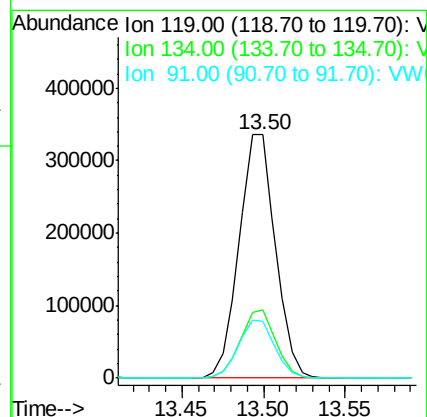
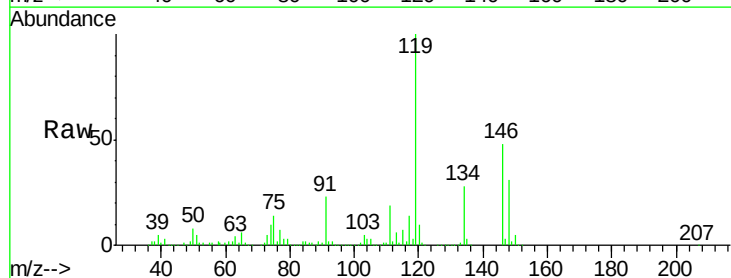
Tgt Ion:119 Resp: 521452

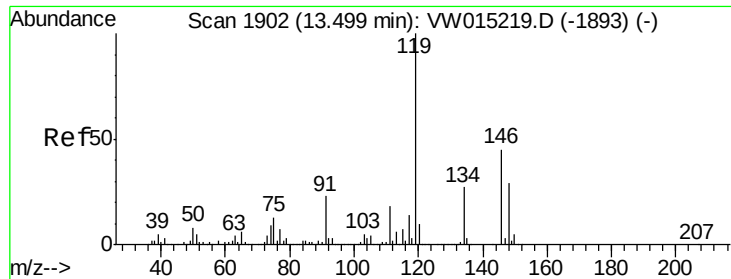
Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

91 23.7 12.0 36.1





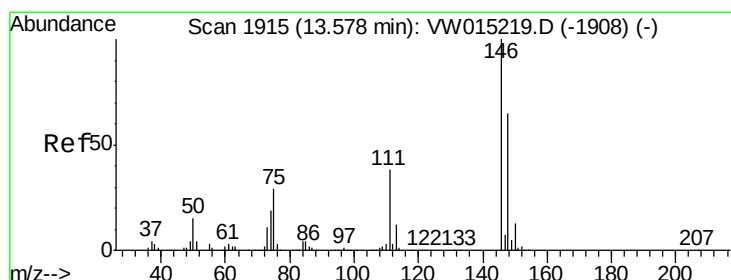
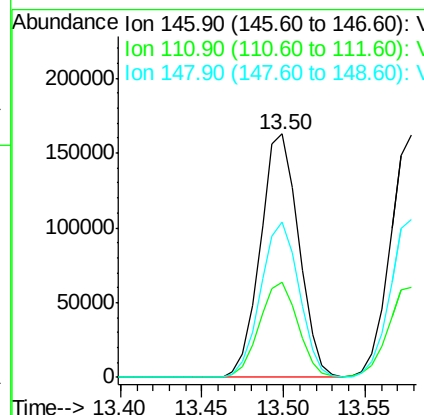
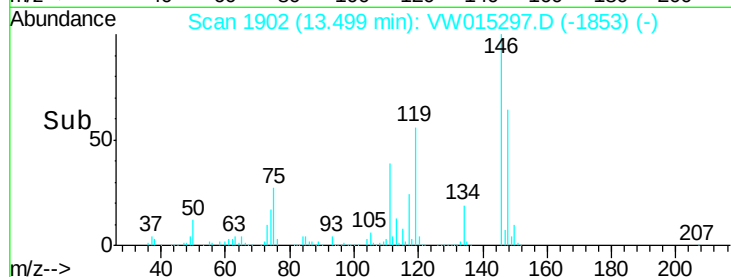
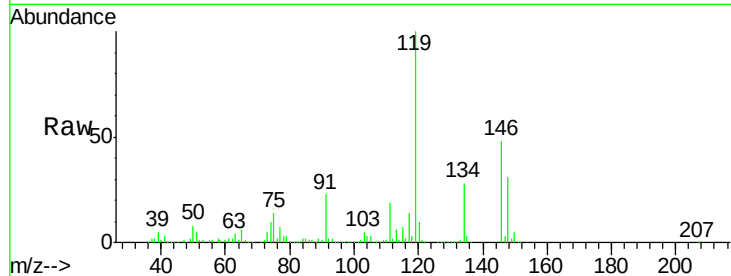
#87
 1,3-Dichlorobenzene
 Concen: 47.439 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.1	63.4
148	63.8	31.8	95.3

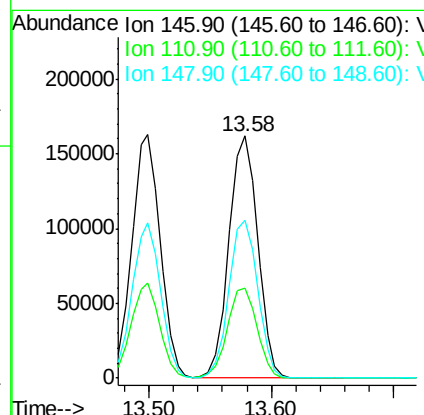
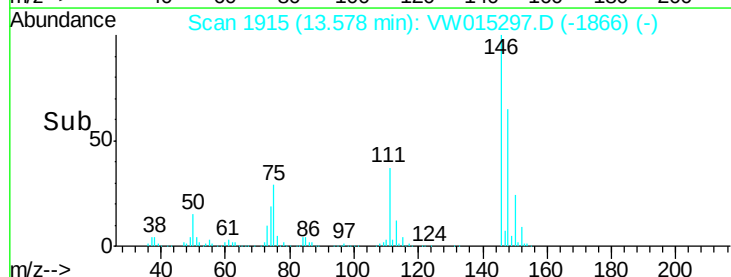
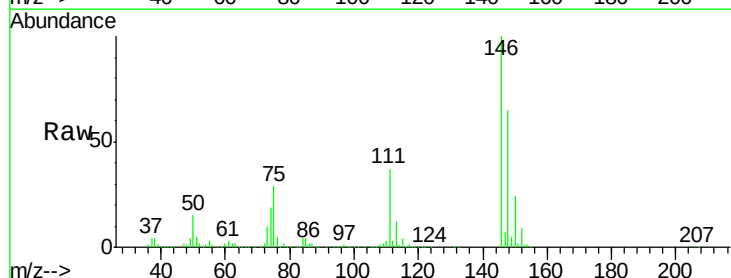
Manual Integrations
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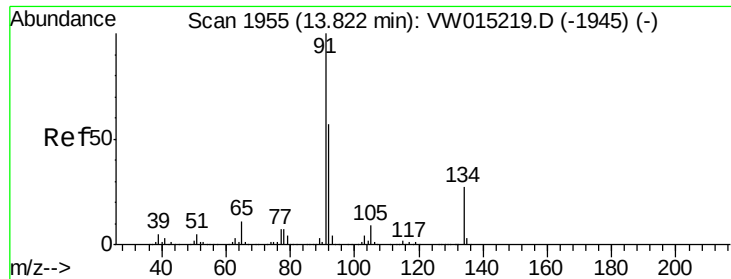
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#88
 1,4-Dichlorobenzene
 Concen: 48.084 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.4	61.3
148	65.0	31.5	94.5





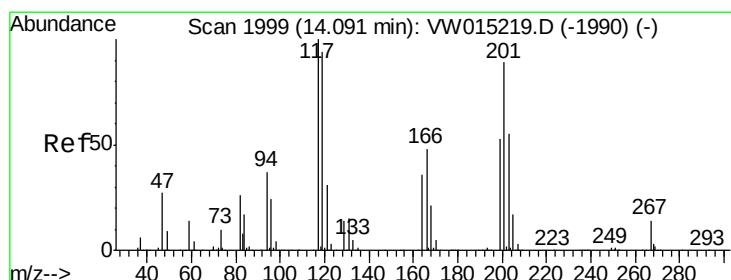
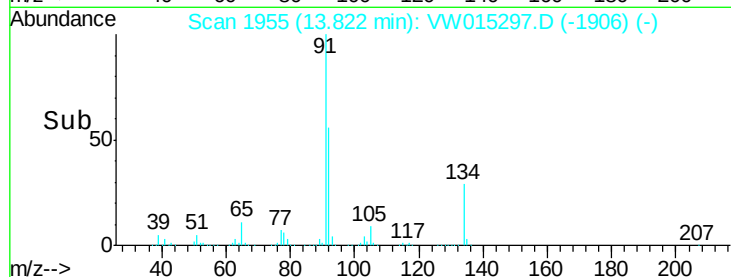
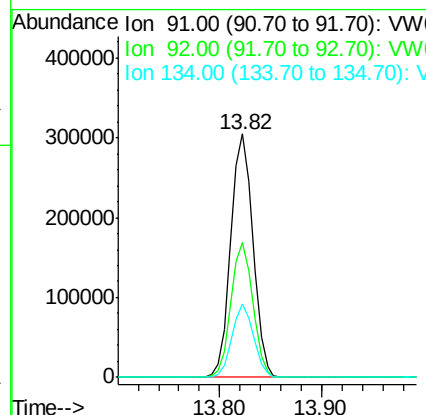
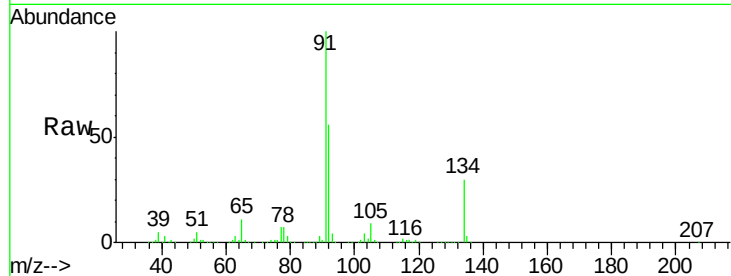
#89
n-Butylbenzene
Concen: 42.073 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	456275		
92	54.6		27.6	82.7
134	29.1		12.8	38.3

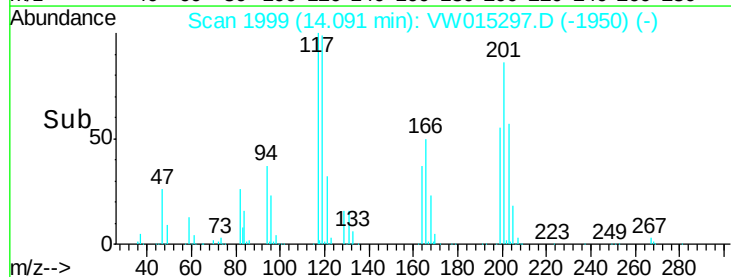
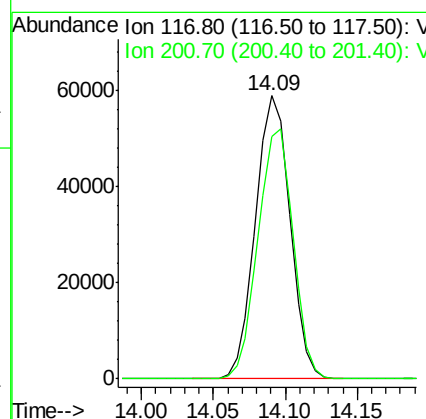
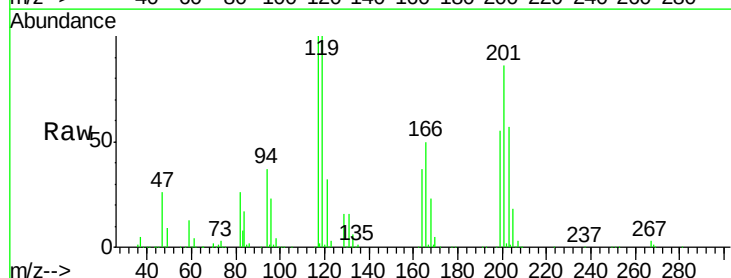
Manual Integrations
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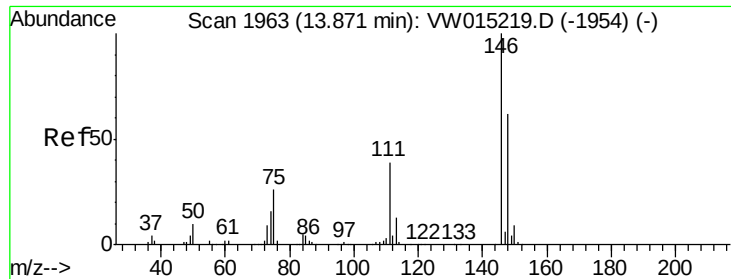
MMDadoda
4/22/2020 11:41:31 AM



#90
Hexachloroethane
Concen: 44.956 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	97822		
201	89.4		33.6	100.6





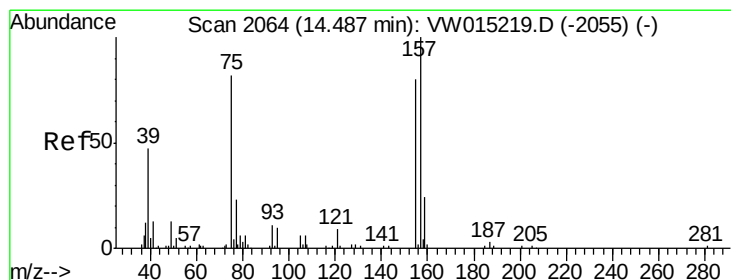
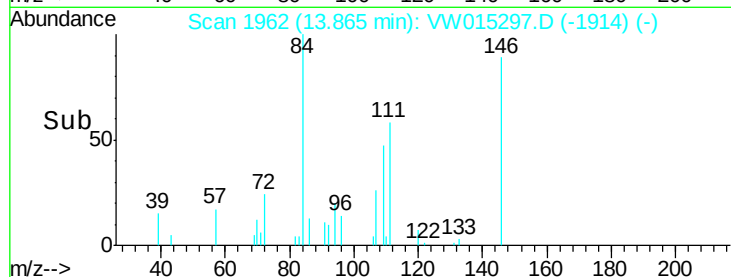
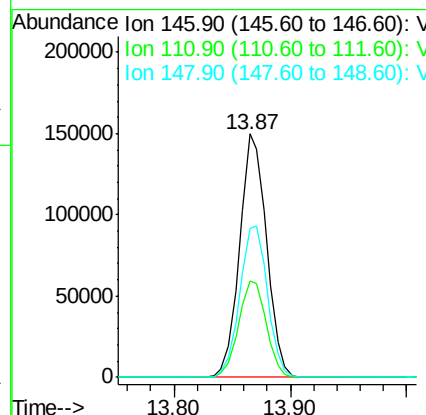
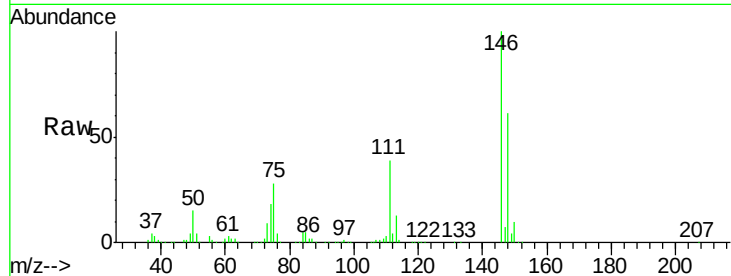
#91
 1,2-Dichlorobenzene
 Concen: 49.541 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.6	65.0
148	64.3	31.0	93.0

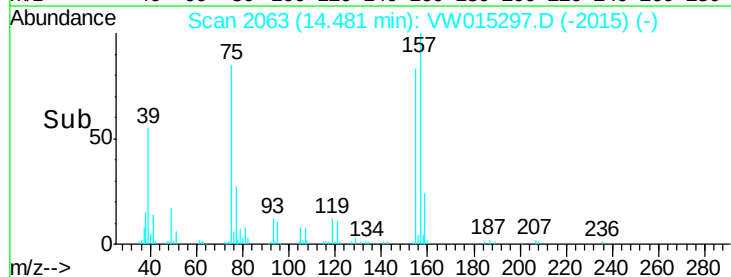
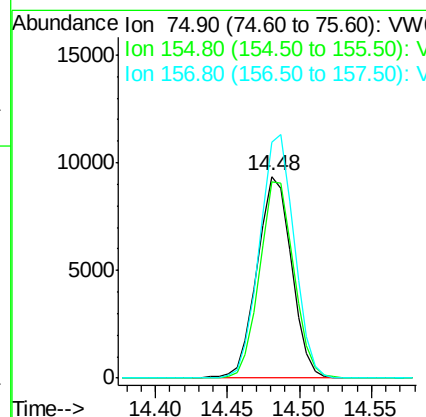
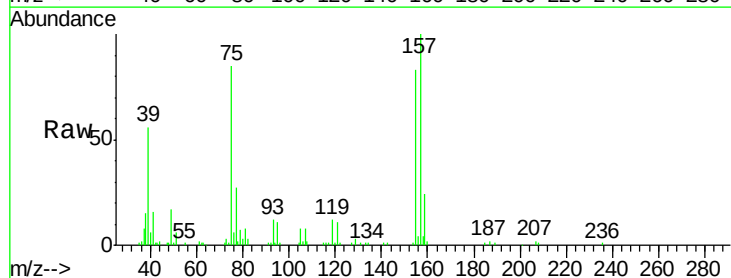
Manual Integrations
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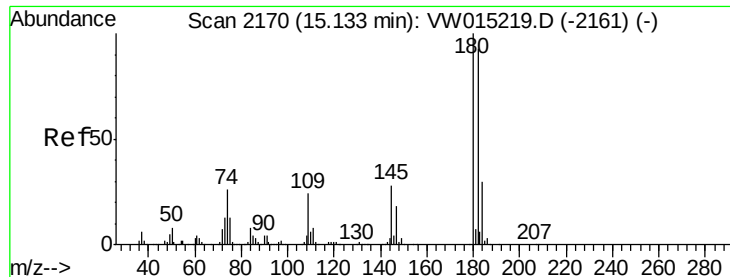
MMDadoda
 4/22/2020 11:41:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.945 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.5	41.6	124.9
157	121.4	53.8	161.2





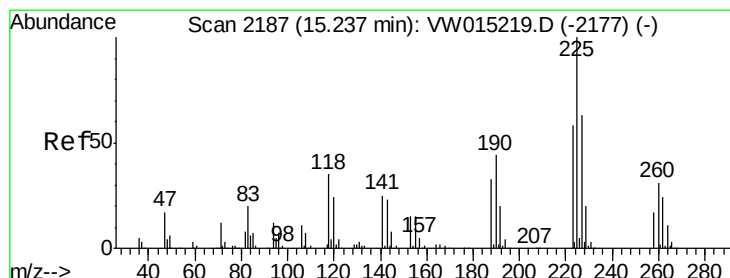
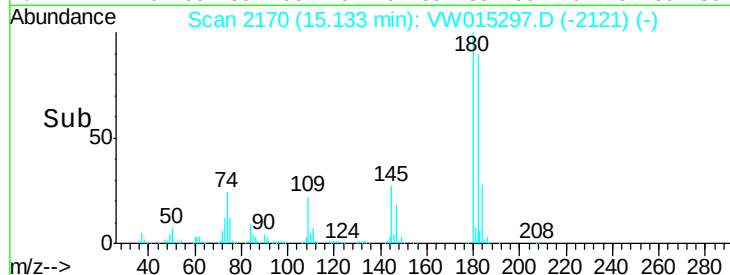
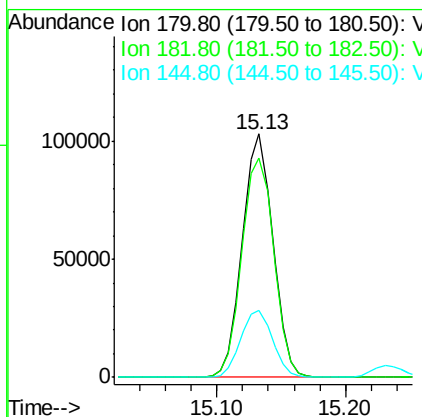
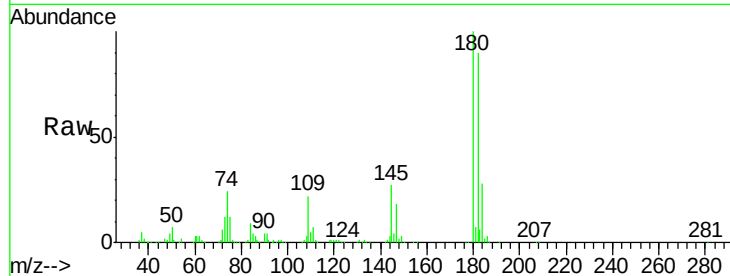
#93
 1,2,4-Trichlorobenzene
 Concen: 49.923 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	169040		
182	94.4	47.1	141.4	
145	28.8	16.2	48.6	

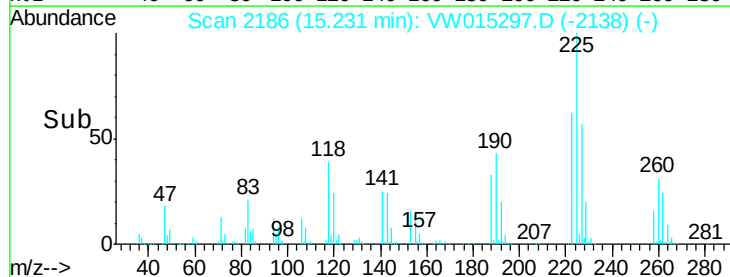
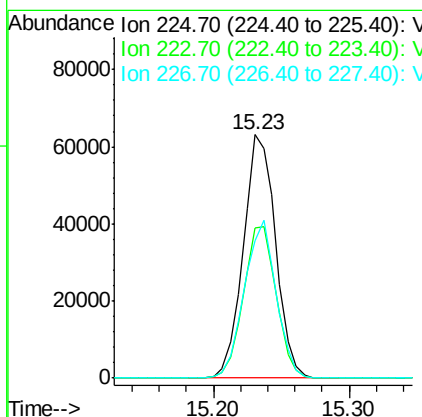
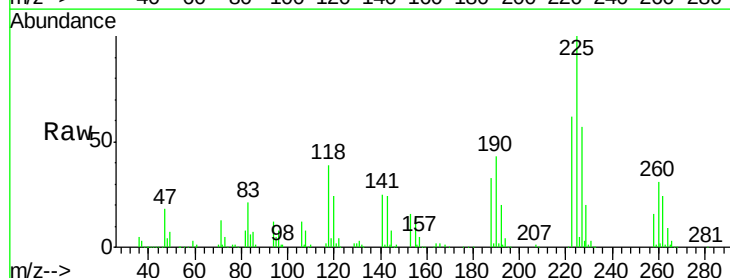
Manual Integrations
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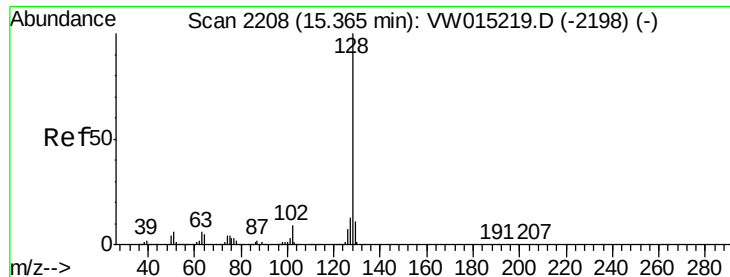
MMDadoda
 4/22/2020 11:41:31 AM



#94
 Hexachlorobutadiene
 Concen: 46.388 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW015297.D
 Acq: 22 Apr 2020 06:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104720		
223	63.6	31.0	93.0	
227	63.9	30.8	92.3	





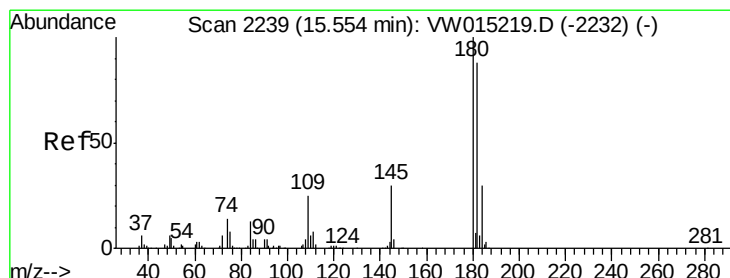
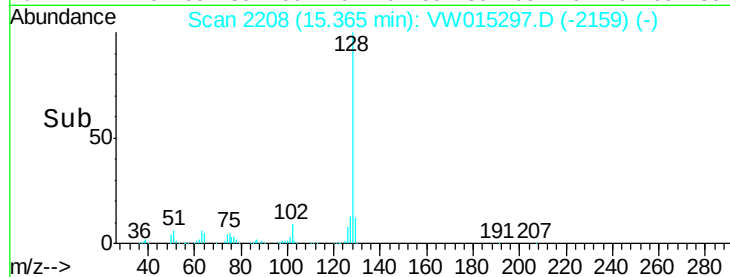
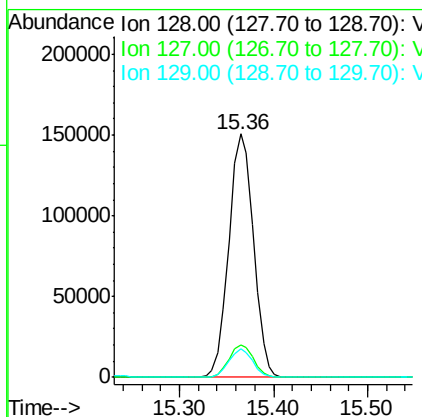
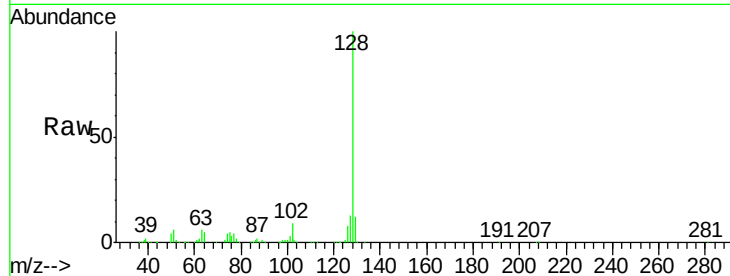
#95
Naphthalene
Concen: 50.305 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		274003		
127	13.1		10.3	15.5	
129	11.2		8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
4/22/2020 11:41:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.035 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015297.D
Acq: 22 Apr 2020 06:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		143355		
182	96.8		48.8	146.3	
145	30.4		17.2	51.6	

