

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092419\
 Data File : VW013287.D
 Acq On : 24 Sep 2019 19:57
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 12:37:38 AM

Quant Time: Sep 25 08:22:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	355346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	526116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	467286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	233728	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	149627	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
35) Dibromofluoromethane	7.88	113	149460	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.32	98	622710	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.62	95	217052	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	79041	38.561	ug/l	95
3) Chloromethane	2.20	50	112156	42.565	ug/l	99
4) Vinyl Chloride	2.35	62	152541	44.905	ug/l	99
5) Bromomethane	2.75	94	96301	44.735	ug/l	95
6) Chloroethane	2.90	64	93084	46.488	ug/l	97
7) Trichlorofluoromethane	3.24	101	78485	40.069	ug/l	96
8) Diethyl Ether	3.67	74	86624	51.775	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	149151	46.770	ug/l	99
10) Methyl Iodide	4.26	142	239917	48.525	ug/l	99
11) Tert butyl alcohol	5.18	59	57712	277.552	ug/l	98
12) 1,1-Dichloroethene	4.03	96	155787	47.175	ug/l	98
13) Acrolein	3.89	56	35403	212.061	ug/l	99
14) Allyl chloride	4.66	41	253799	48.291	ug/l	99
15) Acrylonitrile	5.36	53	194781	269.727	ug/l	98
16) Acetone	4.12	43	152474	233.135	ug/l	98
17) Carbon Disulfide	4.38	76	435786	45.657	ug/l	99
18) Methyl Acetate	4.67	43	99641	54.199	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	267108	52.776	ug/l	97
20) Methylene Chloride	4.91	84	173299	51.923	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	173077	48.492	ug/l	97
22) Diisopropyl ether	6.31	45	521891	52.220	ug/l	98
23) Vinyl Acetate	6.24	43	1563580	263.719	ug/l	100
24) 1,1-Dichloroethane	6.21	63	300908	49.897	ug/l	99
25) 2-Butanone	7.17	43	252015	256.691	ug/l	96
26) 2,2-Dichloropropane	7.16	77	167955	46.300	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	191910	50.950	ug/l	98
28) Bromochloromethane	7.51	49	131323	56.738	ug/l	100
29) Tetrahydrofuran	7.52	42	164748	273.624	ug/l	99
30) Chloroform	7.67	83	291685	49.402	ug/l	99
31) Cyclohexane	7.95	56	286184	45.525	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	228570	47.798	ug/l	98
36) 1,1-Dichloropropene	8.08	75	240411	47.178	ug/l	99
37) Ethyl Acetate	7.24	43	112731	52.052	ug/l	99
38) Carbon Tetrachloride	8.07	117	209510	45.864	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	306897	46.864	ug/l	98
40) Benzene	8.32	78	701900	49.382	ug/l	99
41) Methacrylonitrile	7.48	41	70415	54.477	ug/l	99
42) 1,2-Dichloroethane	8.40	62	185218	48.475	ug/l	98
43) Isopropyl Acetate	8.42	43	218577	52.659	ug/l	99
44) Trichloroethene	9.09	130	193602	48.547	ug/l	99
45) 1,2-Dichloropropane	9.37	63	175004	50.431	ug/l	98
46) Dibromomethane	9.46	93	86035	51.067	ug/l	98
47) Bromodichloromethane	9.64	83	212092	49.474	ug/l	99
48) Methyl methacrylate	9.43	41	101373	51.938	ug/l	97
49) 1,4-Dioxane	9.46	88	24257	959.180	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	552687	265.602	ug/l	99
52) Toluene	10.38	92	452258	49.647	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	225780	51.263	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	274274	51.217	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	128586	51.063	ug/l	98
56) Ethyl methacrylate	10.65	69	180683	54.826	ug/l	98
57) 1,3-Dichloropropane	10.93	76	225754	51.374	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	424650	278.335	ug/l	99
59) 2-Hexanone	10.96	43	380029	265.449	ug/l	100
60) Dibromochloromethane	11.13	129	149776	52.381	ug/l	98
61) 1,2-Dibromoethane	11.23	107	123698	51.664	ug/l	98
64) Tetrachloroethene	10.86	164	170586	48.114	ug/l	99
65) Chlorobenzene	11.66	112	473786	48.554	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	165472	49.638	ug/l	100
67) Ethyl Benzene	11.73	91	855901	48.410	ug/l	99
68) m/p-Xylenes	11.83	106	659745	97.925	ug/l	100
69) o-Xylene	12.16	106	307787	49.138	ug/l	98
70) Styrene	12.18	104	539850	50.202	ug/l	99
71) Bromoform	12.35	173	90183	51.207	ug/l #	99
73) Isopropylbenzene	12.46	105	845371	48.962	ug/l	100
74) N-amyl acetate	12.27	43	201100	52.489	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	148857	51.551	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	91414m	44.287	ug/l	
77) Bromobenzene	12.74	156	204909	50.082	ug/l	100
78) n-propylbenzene	12.80	91	984258	48.701	ug/l	100
79) 2-Chlorotoluene	12.89	91	556802	49.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	712031	49.060	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	48872	53.129	ug/l	94
82) 4-Chlorotoluene	12.99	91	581202	48.677	ug/l	100
83) tert-Butylbenzene	13.21	119	623375	48.935	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	713476	49.402	ug/l	100
85) sec-Butylbenzene	13.38	105	846469	48.197	ug/l	99
86) p-Isopropyltoluene	13.49	119	791899	48.614	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	387543	49.216	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	382051	49.471	ug/l	99
89) n-Butylbenzene	13.82	91	726569	48.848	ug/l	100
90) Hexachloroethane	14.09	117	134287	49.072	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	348350	51.135	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22978	52.026	ug/l	94

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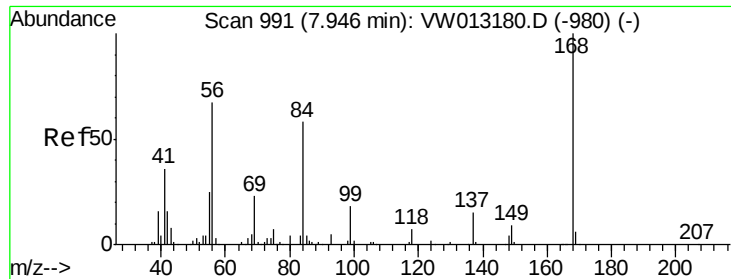
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	254554	52.146	ug/l	99
94) Hexachlorobutadiene	15.24	225	160428	48.037	ug/l	100
95) Naphthalene	15.36	128	452200	56.639	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	226703	53.747	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. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 355346

Ion Ratio Lower Upper

168 100

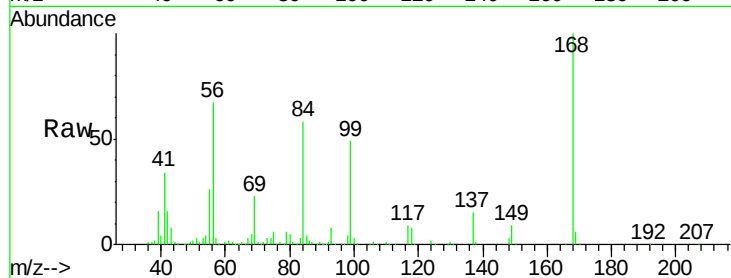
99 49.3 40.2 60.4

Manual Integrations

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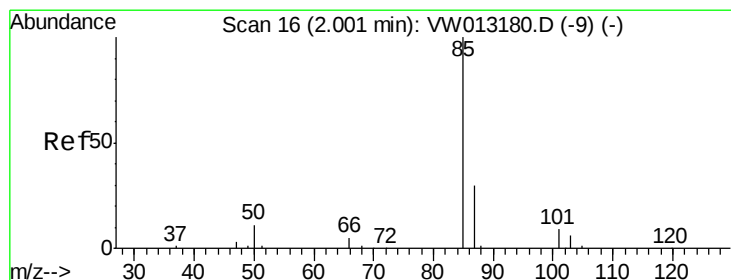
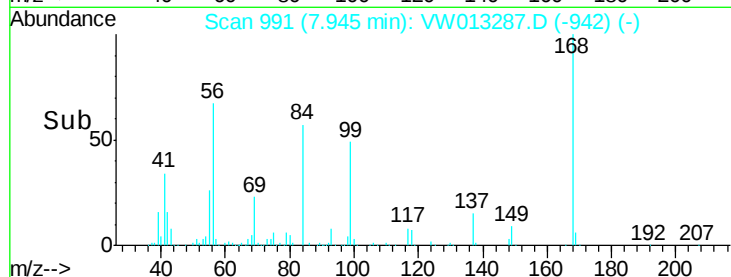
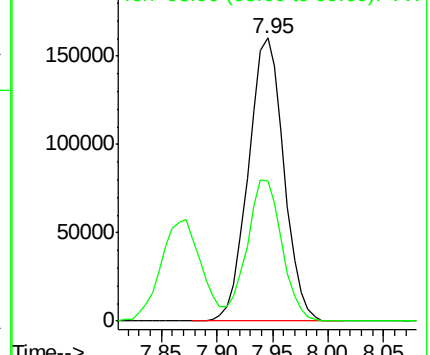
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 38.561 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW013287.D

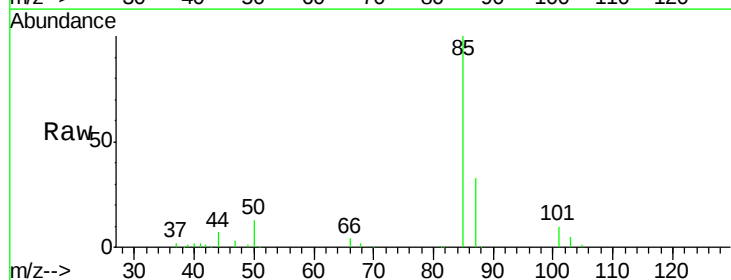
Acq: 24 Sep 2019 19:57

Tgt Ion: 85 Resp: 79041

Ion Ratio Lower Upper

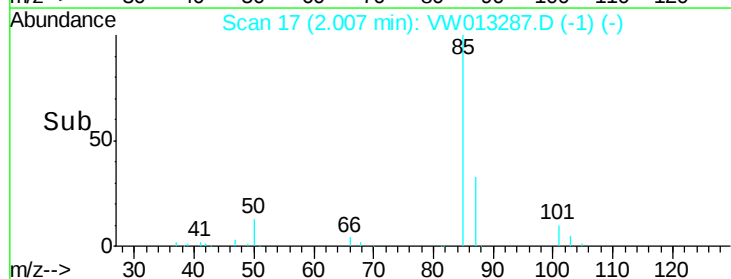
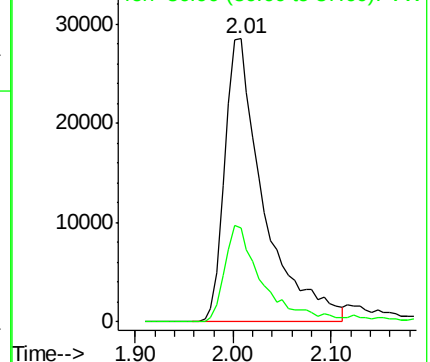
85 100

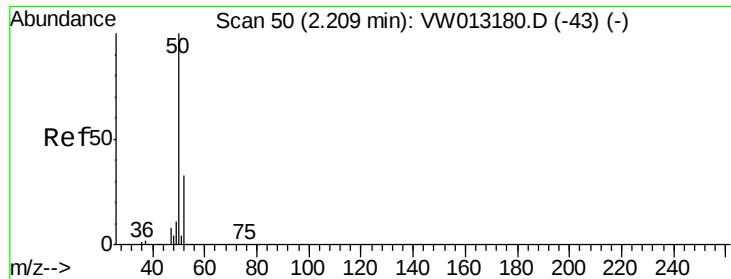
87 33.0 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 42.565 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 112156

Ion Ratio Lower Upper

50 100

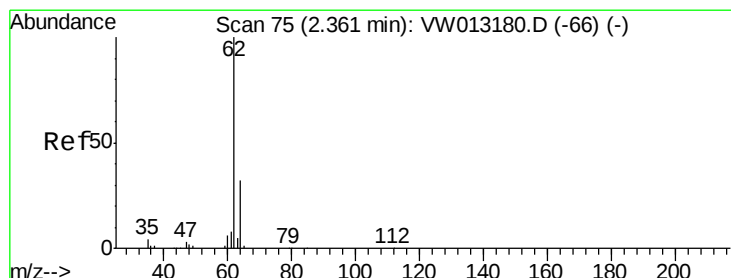
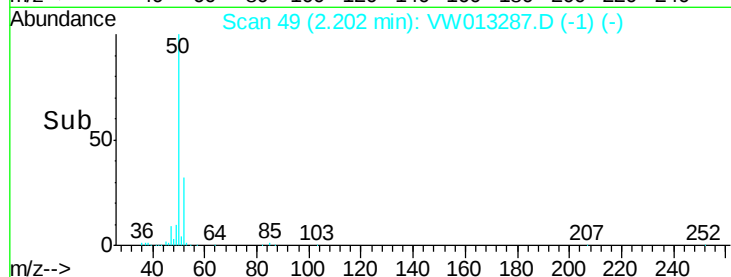
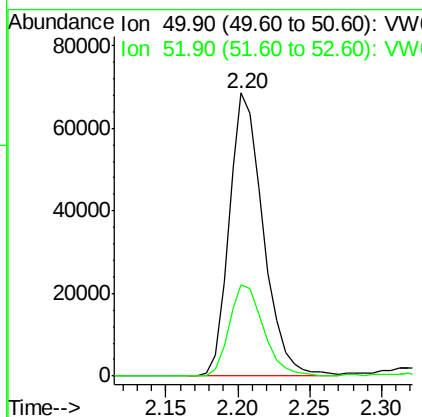
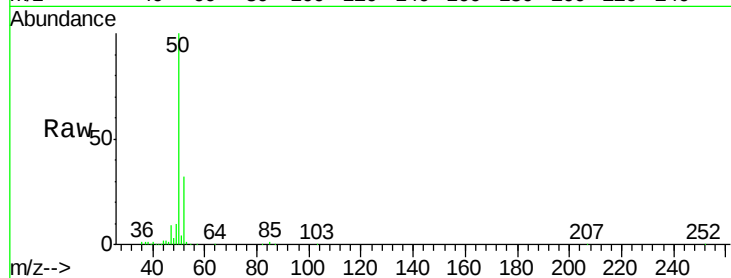
52 32.2 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.905 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013287.D

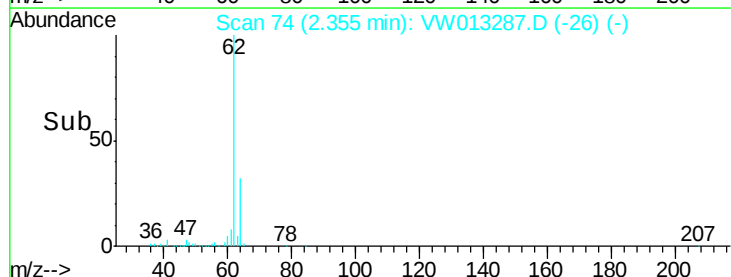
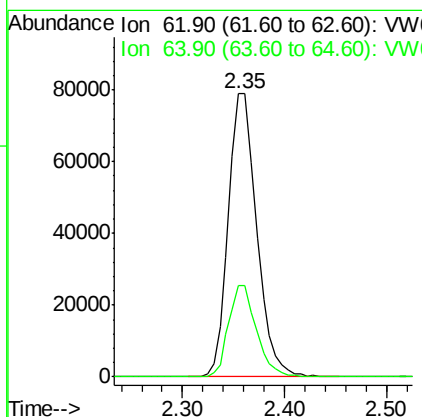
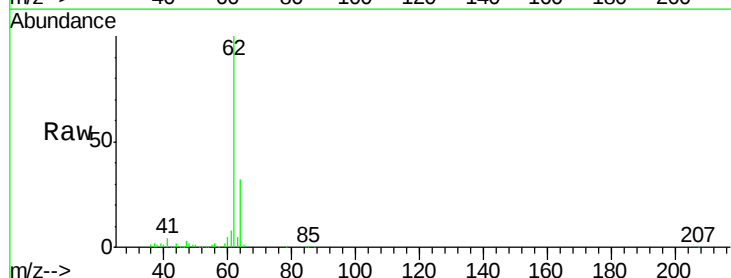
Acq: 24 Sep 2019 19:57

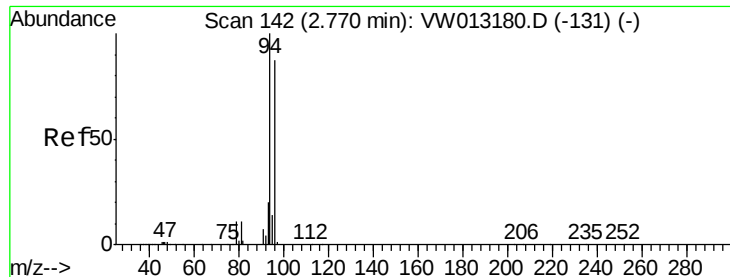
Tgt Ion: 62 Resp: 152541

Ion Ratio Lower Upper

62 100

64 32.4 25.3 37.9





#5

Bromomethane

Concen: 44.735 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

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Tot Ion: 94 Resp: 96301

Ion Ratio Lower Upper

94 100

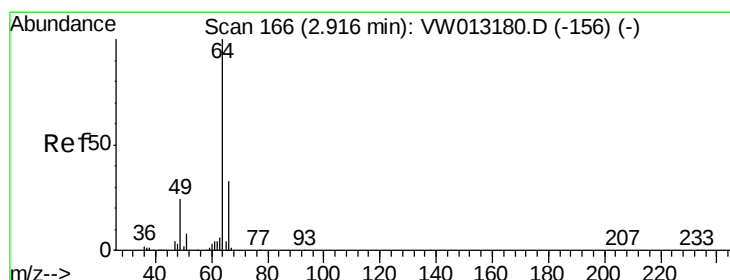
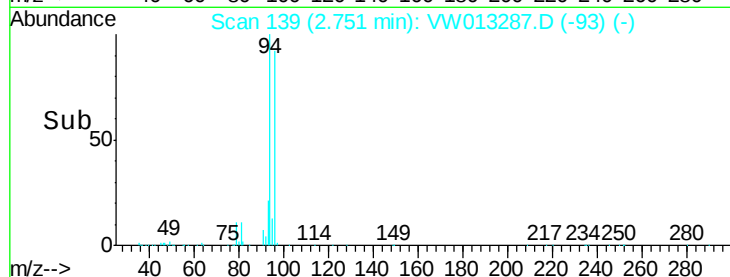
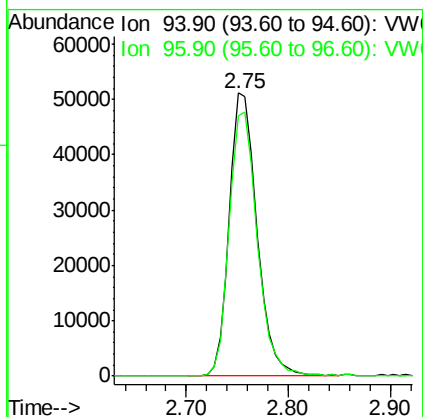
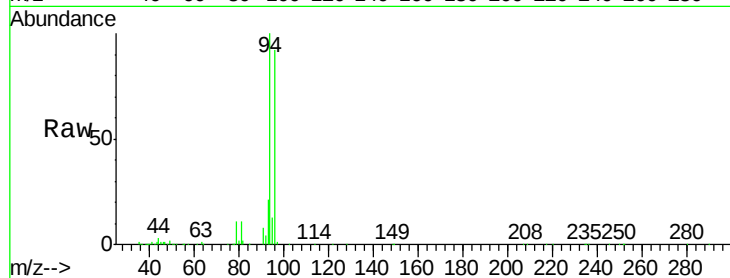
96 91.8 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 46.488 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW013287.D

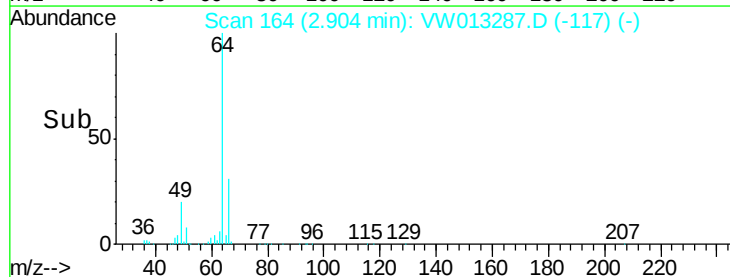
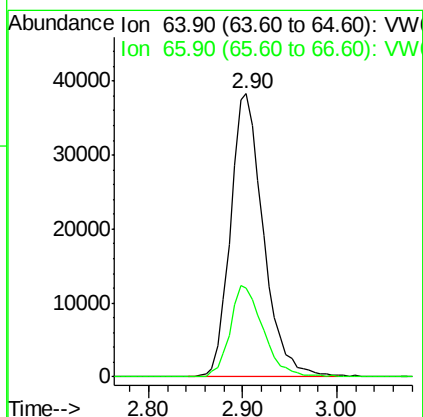
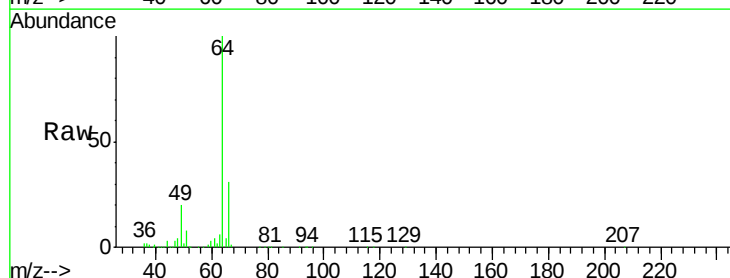
Acq: 24 Sep 2019 19:57

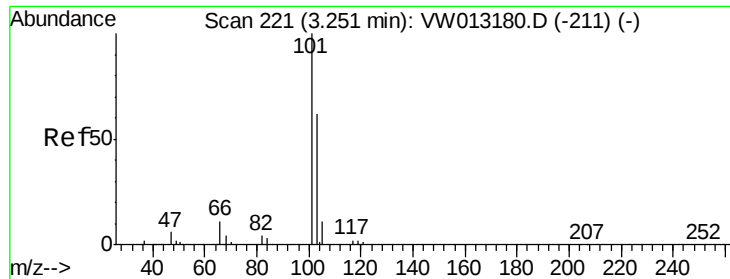
Tgt Ion: 64 Resp: 93084

Ion Ratio Lower Upper

64 100

66 31.4 26.6 39.8





#7

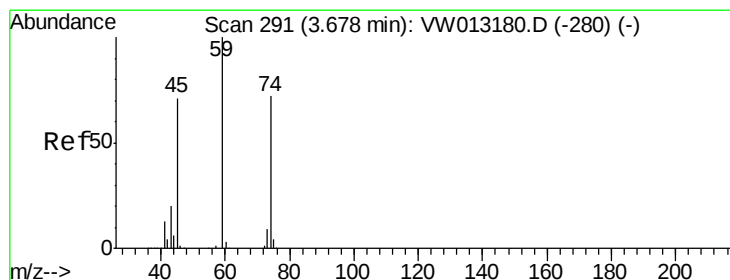
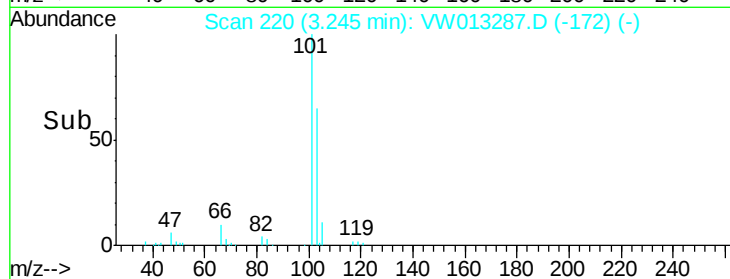
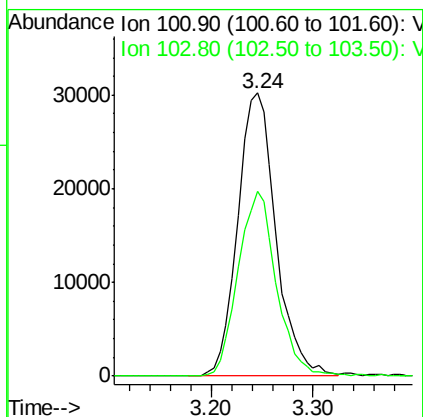
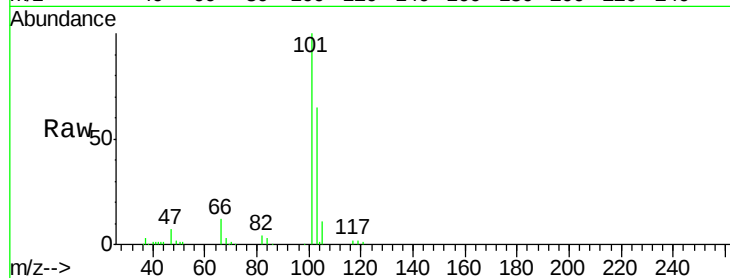
Trichlorofluoromethane
Concen: 40.069 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	49.7	74.5

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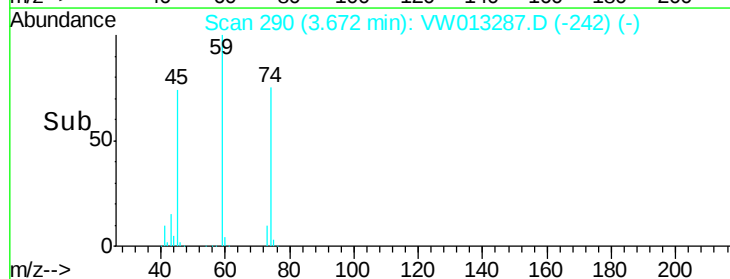
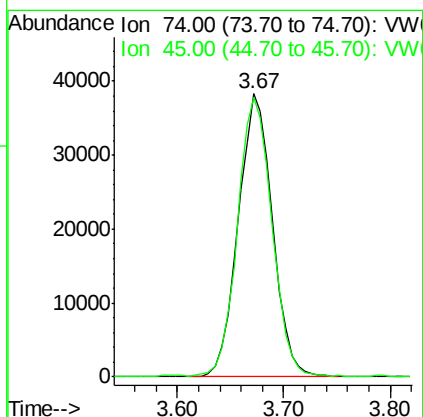
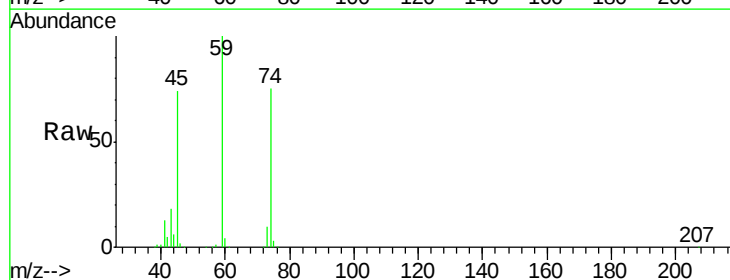
MMDadoda
9/26/2019 12:37:38 AM

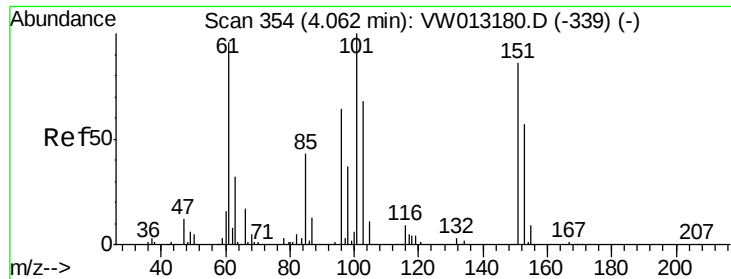


#8

Diethyl Ether
Concen: 51.775 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.770 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

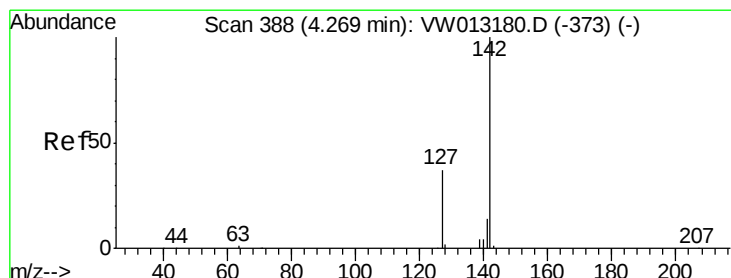
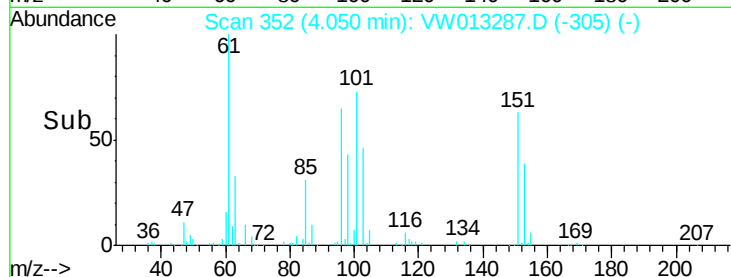
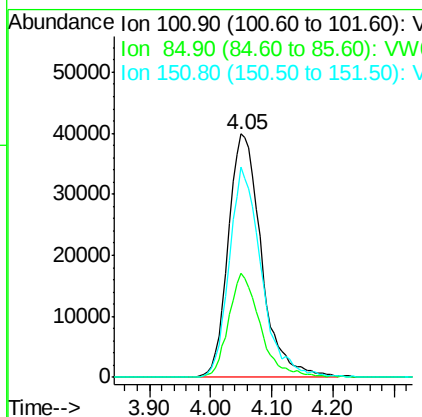
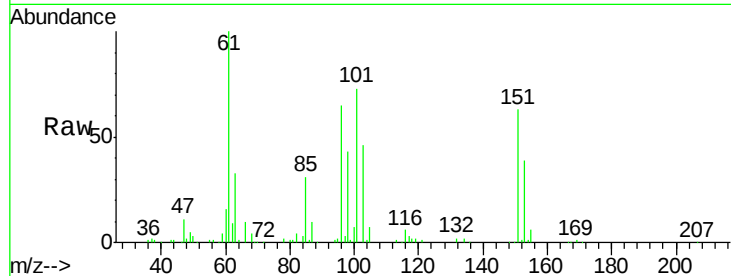
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	149151
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.4	50.0
151	83.7	66.9	100.3

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#10

Methyl Iodide

Concen: 48.525 ug/l

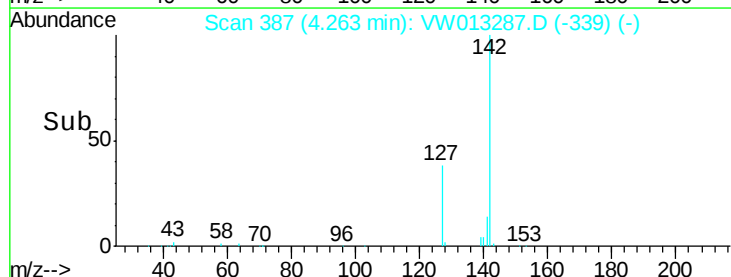
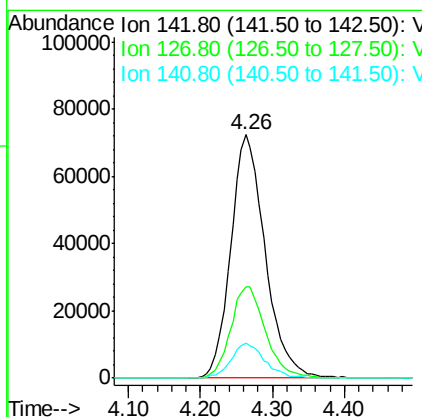
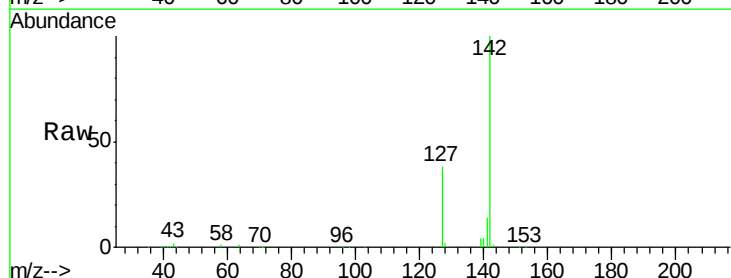
RT: 4.26 min Scan# 387

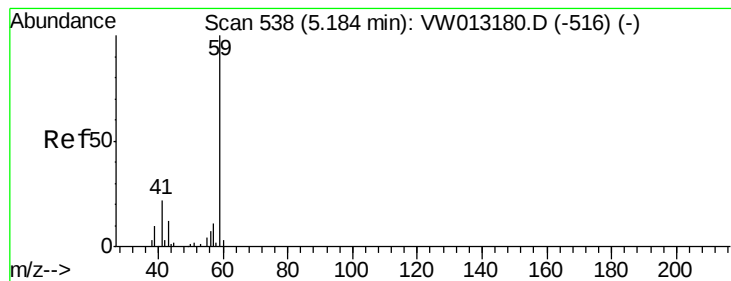
Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Tgt Ion:	142	Resp:	239917
Ion Ratio	Lower	Upper	
142	100		
127	38.3	30.9	46.3
141	14.3	11.7	17.5





#11

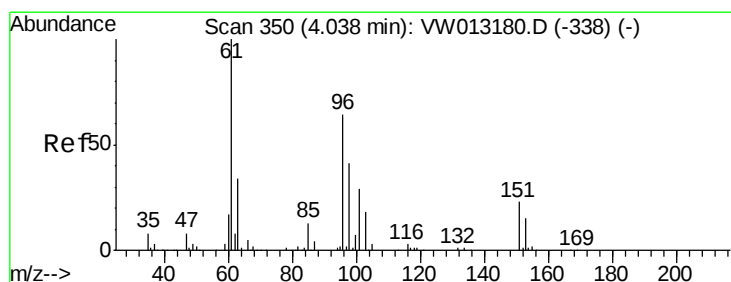
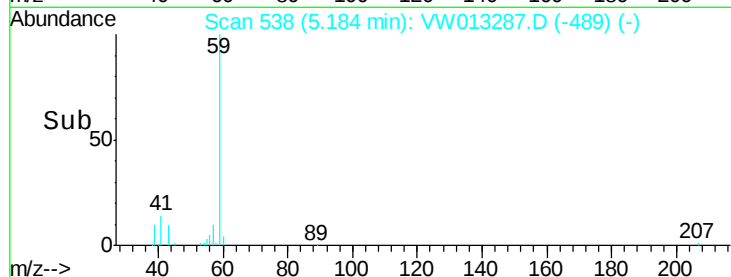
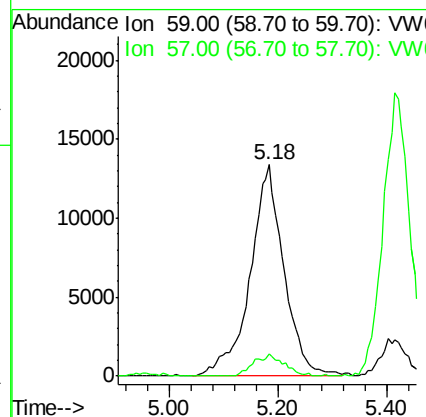
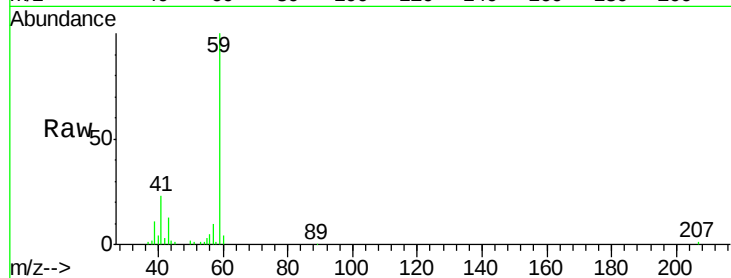
Tert butyl alcohol
Concen: 277.552 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.2	12.2

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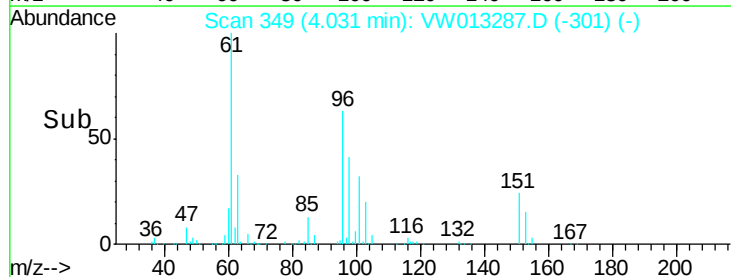
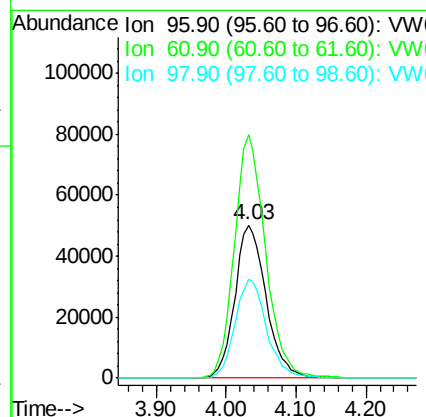
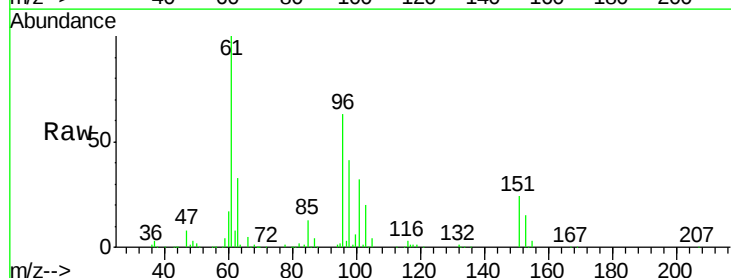
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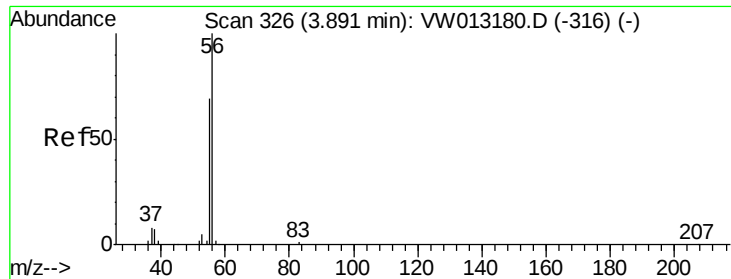


#12

1,1-Dichloroethene
Concen: 47.175 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.7	125.1	187.7
98	64.5	50.8	76.2





#13

Acrolein

Concen: 212.061 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 35403

Ion Ratio Lower Upper

56 100

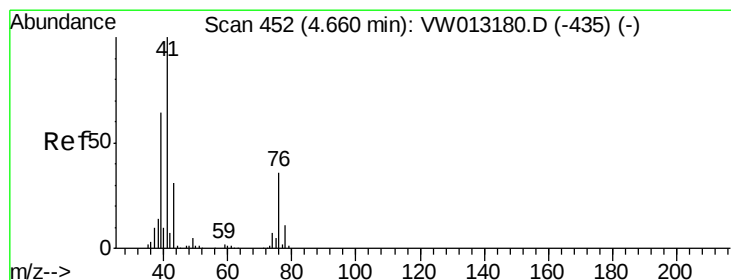
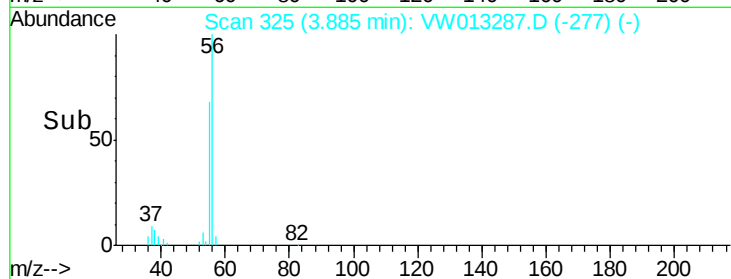
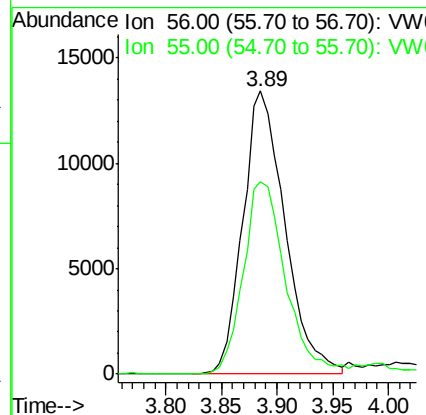
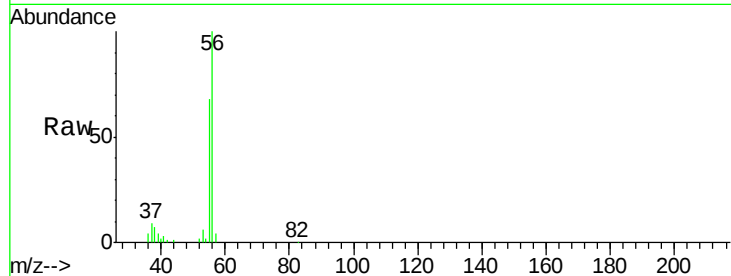
55 68.4 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 48.291 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

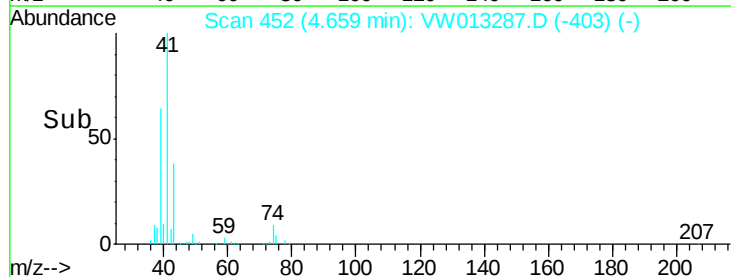
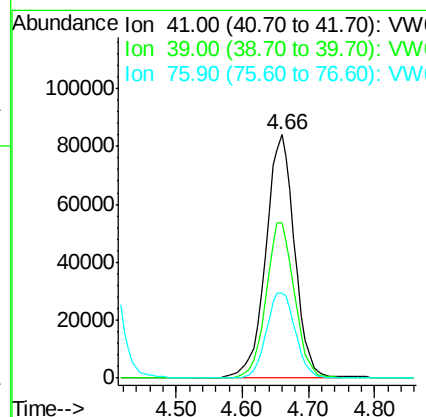
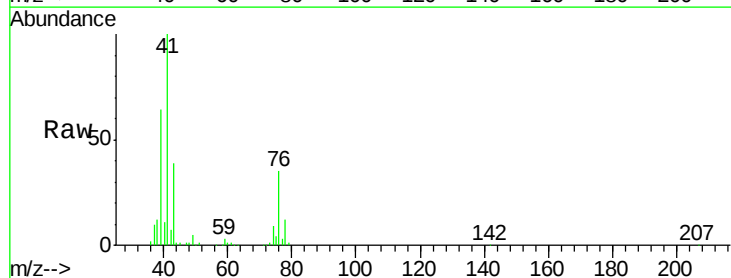
Tgt Ion: 41 Resp: 253799

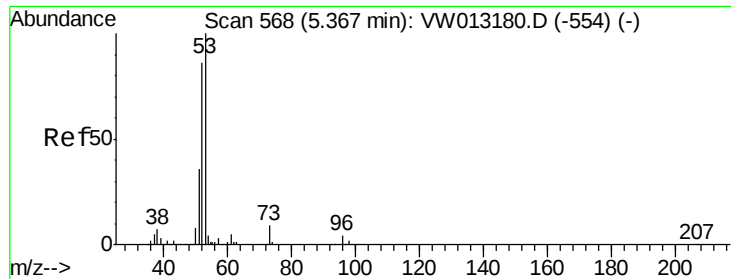
Ion Ratio Lower Upper

41 100

39 62.9 51.0 76.4

76 35.4 28.4 42.6





#15

Acrylonitrile

Concen: 269.727 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

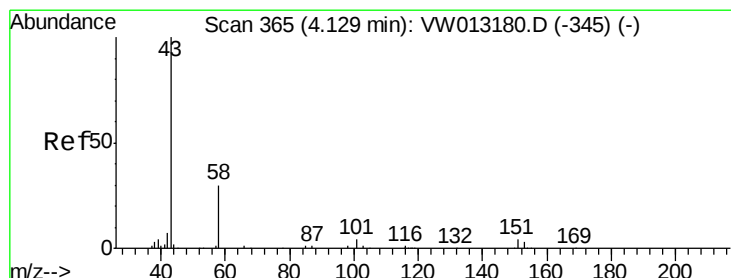
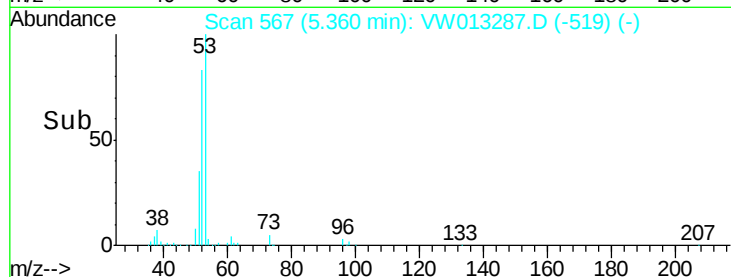
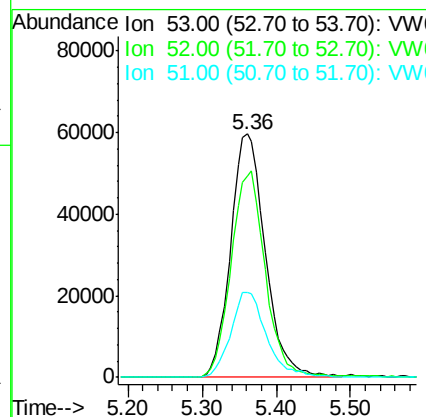
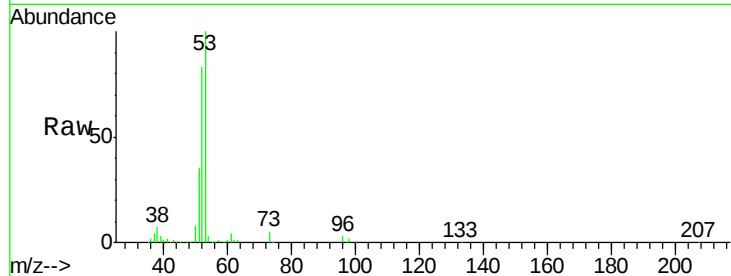
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	194781
Ion Ratio	Lower	Upper	
53	100		
52	83.6	65.3	97.9
51	35.9	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 233.135 ug/l

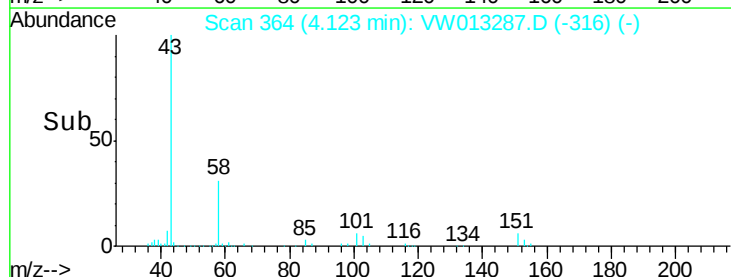
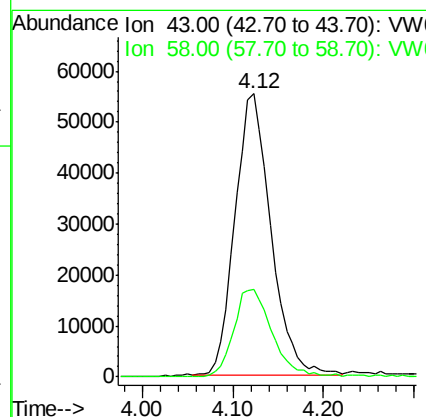
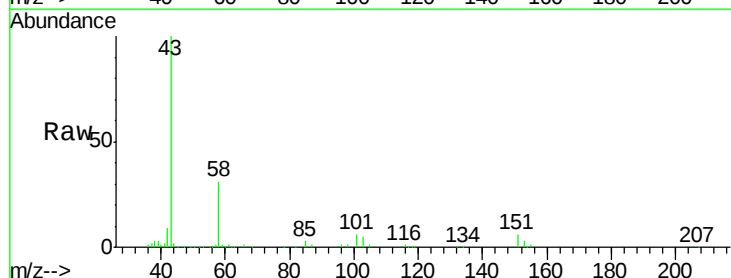
RT: 4.12 min Scan# 364

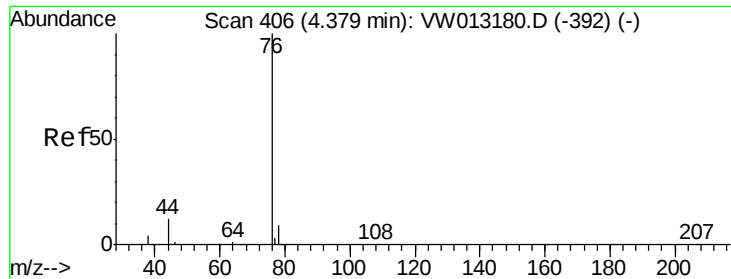
Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Tgt Ion:	43	Resp:	152474
Ion Ratio	Lower	Upper	
43	100		
58	31.0	24.1	36.1





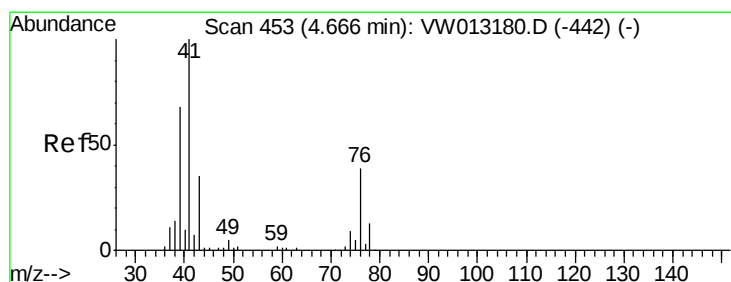
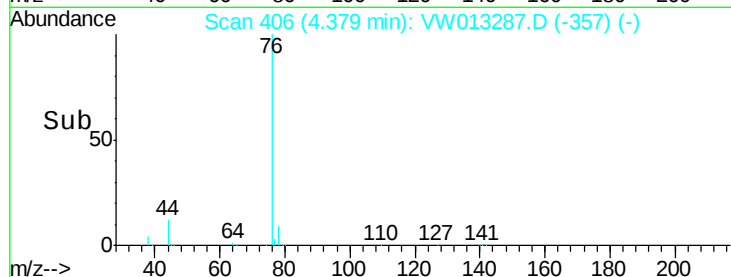
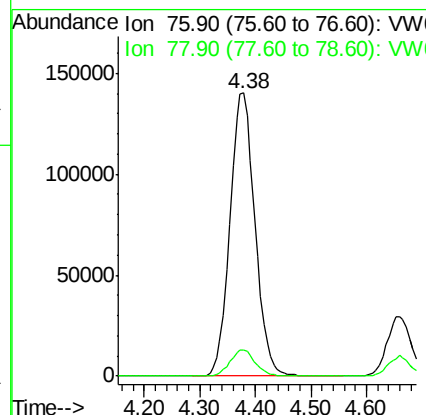
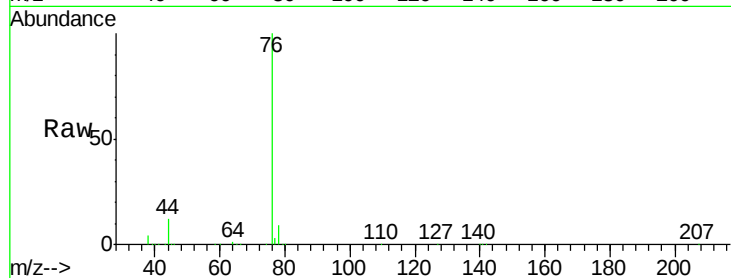
#17
Carbon Disulfide
Concen: 45.657 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

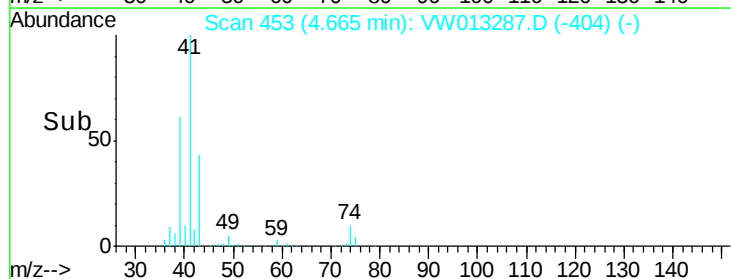
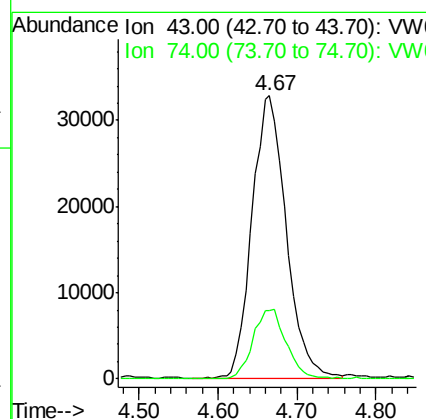
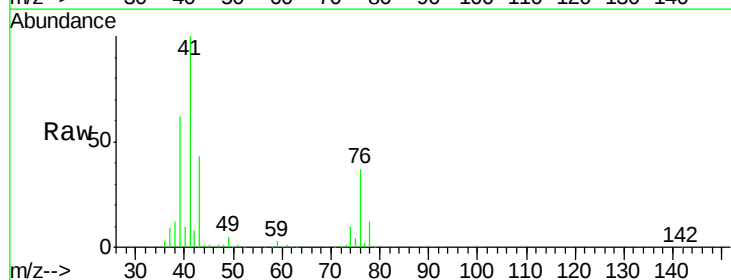
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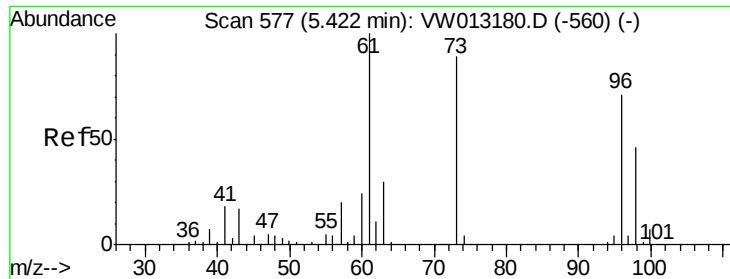
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#18
Methyl Acetate
Concen: 54.199 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.3	28.9





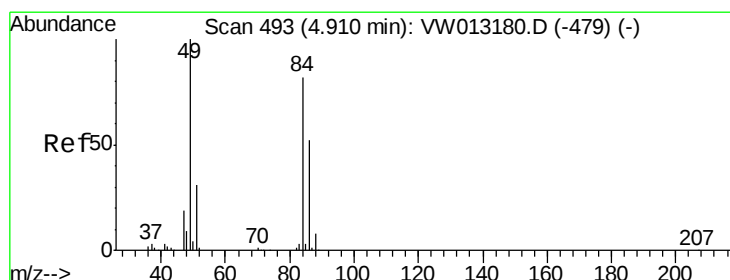
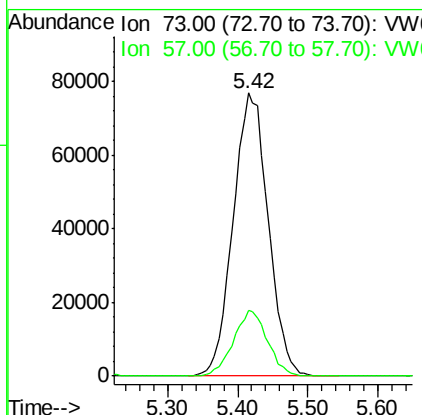
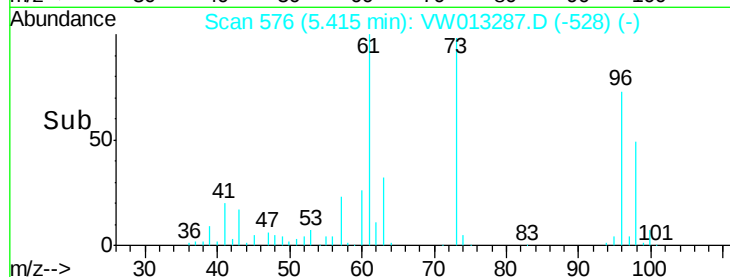
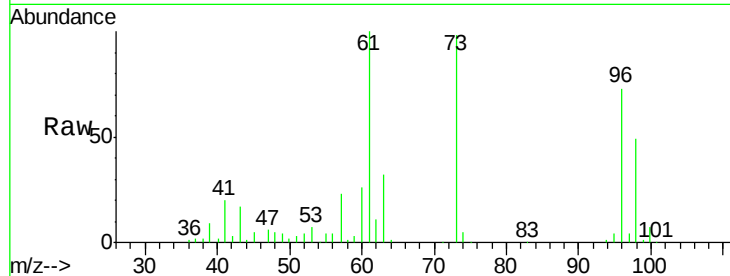
#19
Methvl tert-butvl Ether
Concen: 52.776 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 267108
Ion Ratio Lower Upper
73 100
57 23.3 17.6 26.4

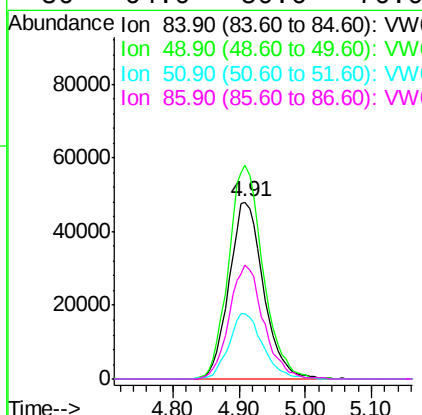
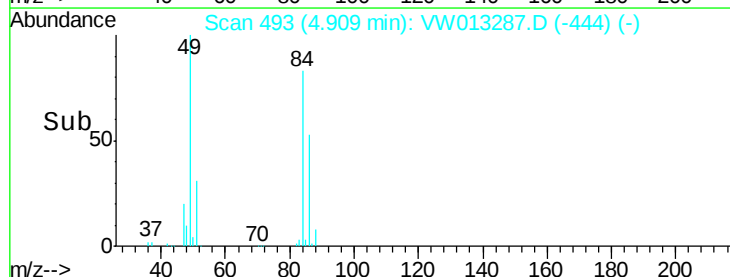
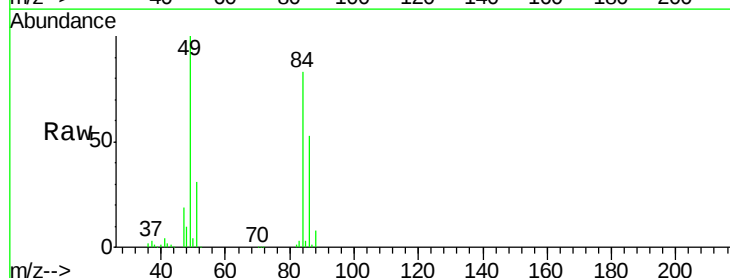
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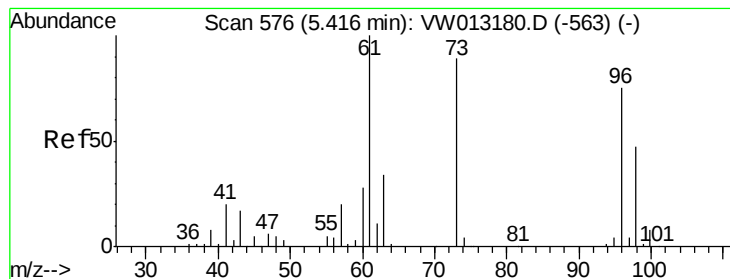
MMDadoda
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#20
Methylene Chloride
Concen: 51.923 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion: 84 Resp: 173299
Ion Ratio Lower Upper
84 100
49 120.4 97.6 146.4
51 37.1 30.2 45.2
86 64.0 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 48.492 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 173077

Ion Ratio Lower Upper

96 100

61 136.3 106.6 159.8

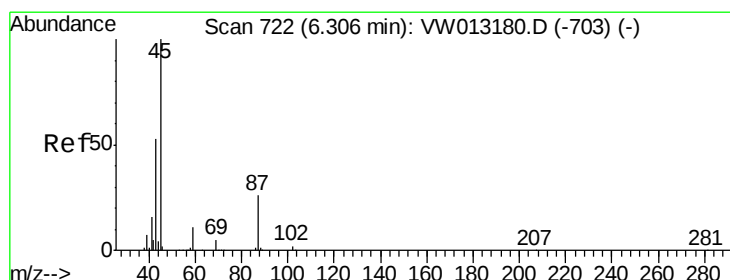
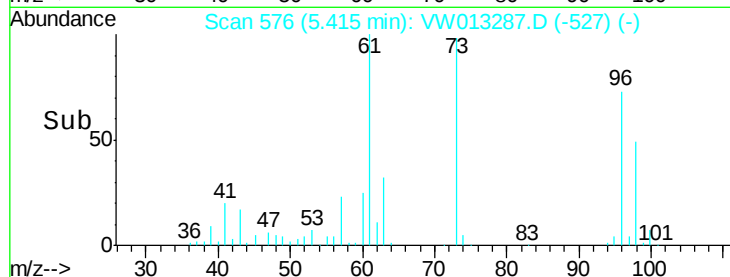
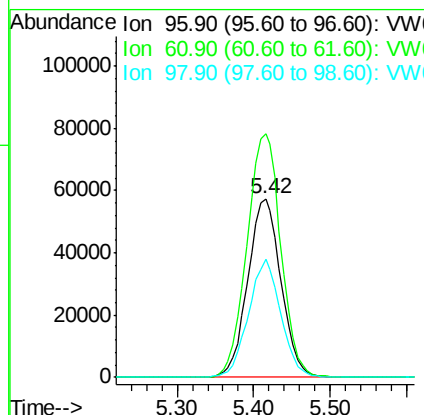
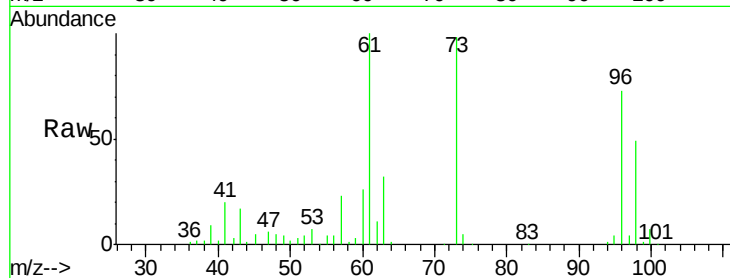
98 66.1 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 52.220 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Tgt Ion: 45 Resp: 521891

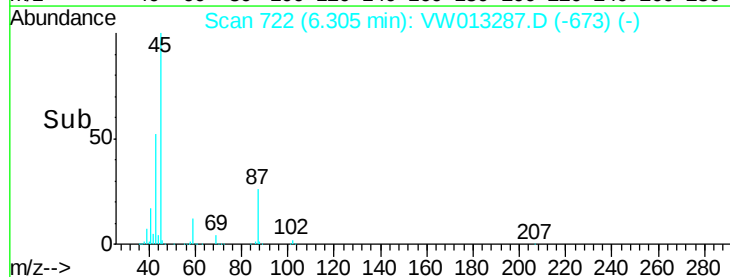
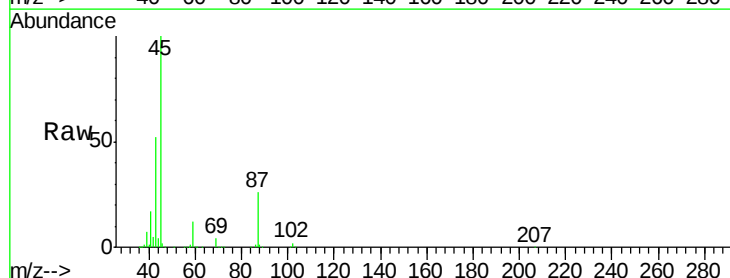
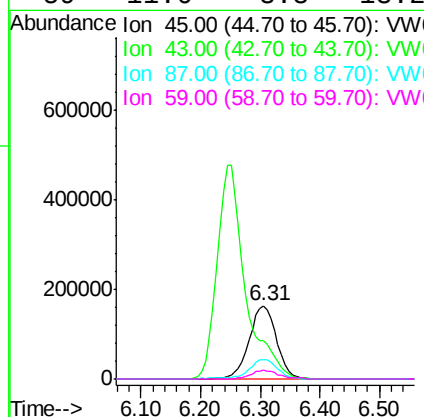
Ion Ratio Lower Upper

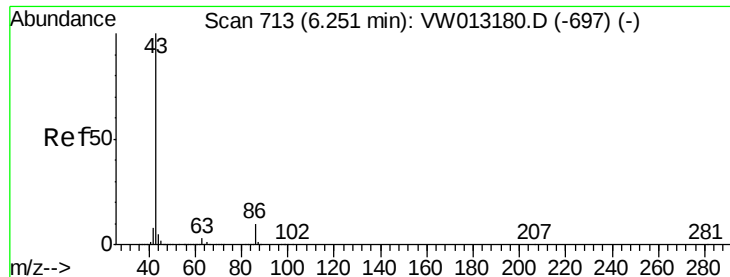
45 100

43 51.7 42.4 63.6

87 26.5 20.4 30.6

59 11.6 8.8 13.2





#23

Vinyl Acetate

Concen: 263.719 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1563580

Ion Ratio Lower Upper

43 100

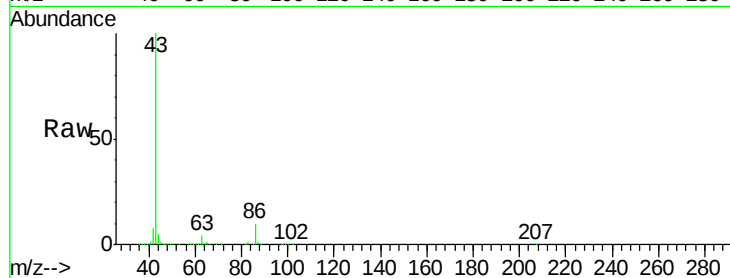
86 10.4 8.3 12.5

Manual Integrations

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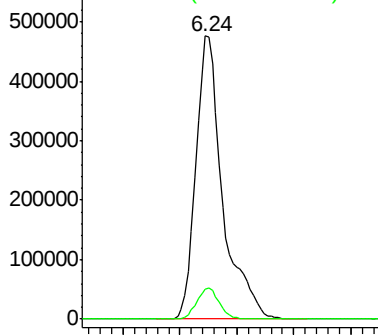
MMDadoda

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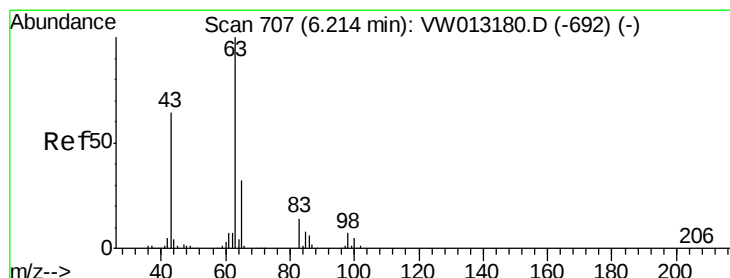
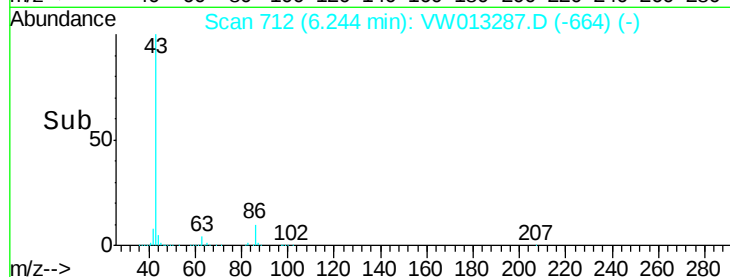


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 49.897 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

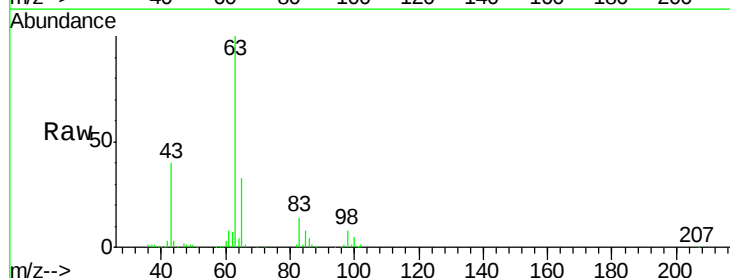
Tgt Ion: 63 Resp: 300908

Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.5

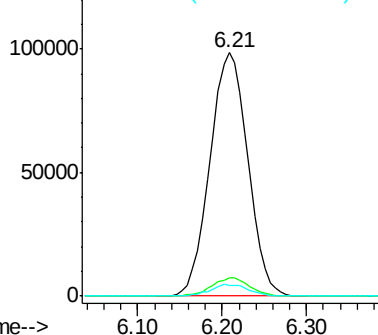
100 4.6 2.4 7.1



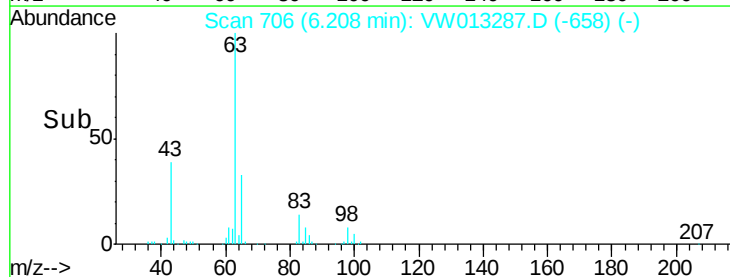
Abundance Ion 62.90 (62.60 to 63.60): VW

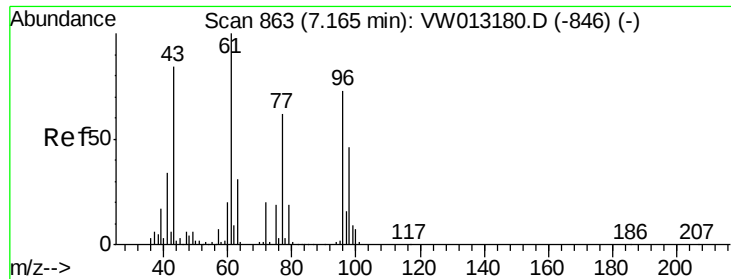
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 256.691 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 252015

Ion Ratio Lower Upper

43 100

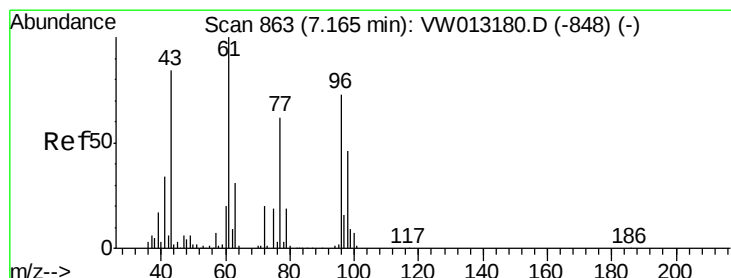
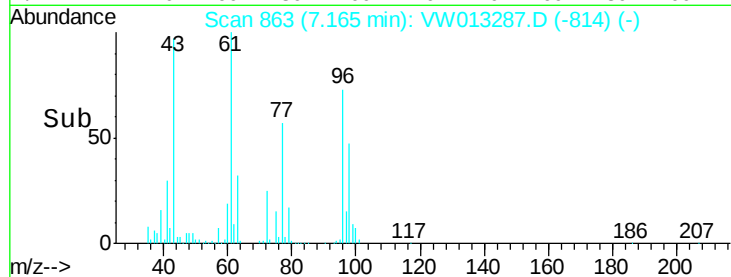
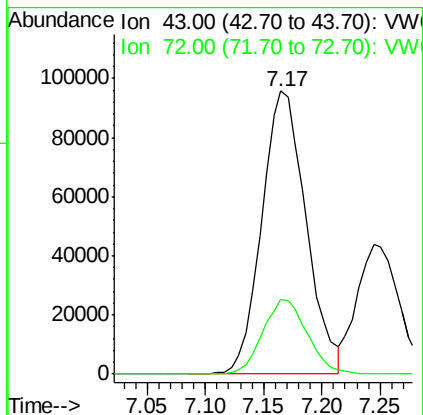
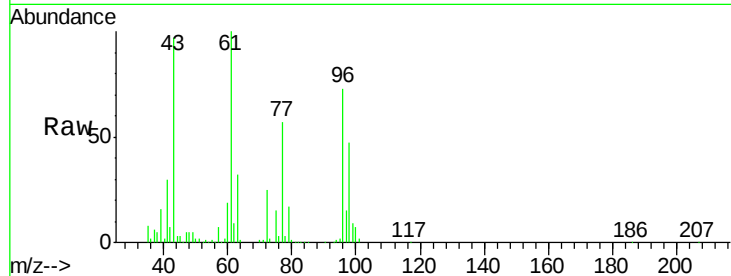
72 26.3 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.300 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013287.D

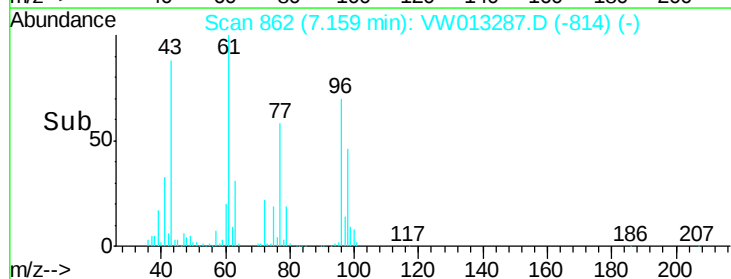
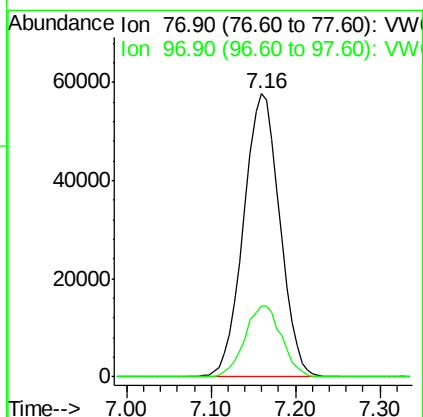
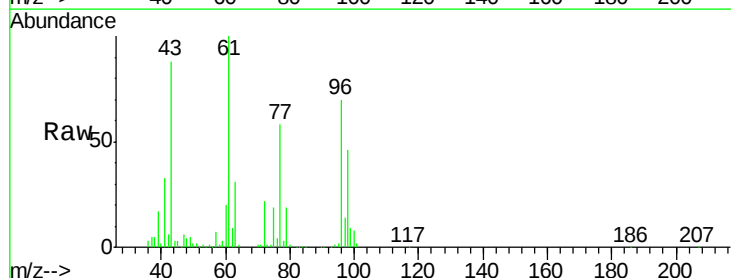
Acq: 24 Sep 2019 19:57

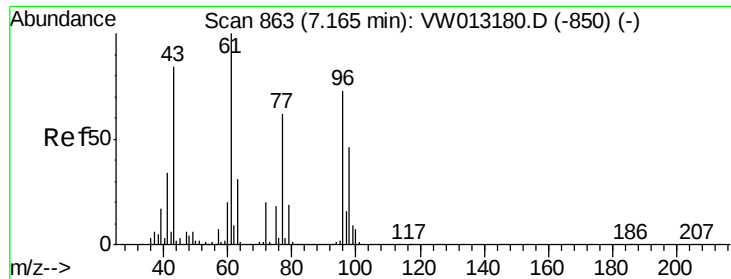
Tgt Ion: 77 Resp: 167955

Ion Ratio Lower Upper

77 100

97 25.3 11.8 35.4





#27

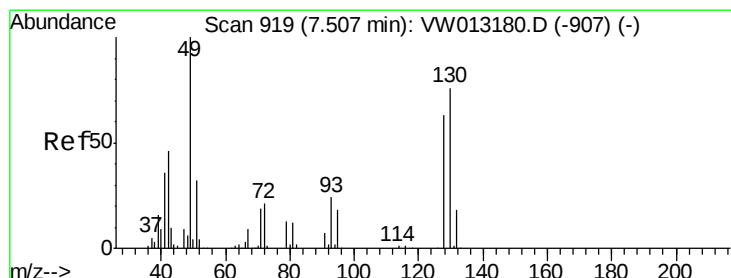
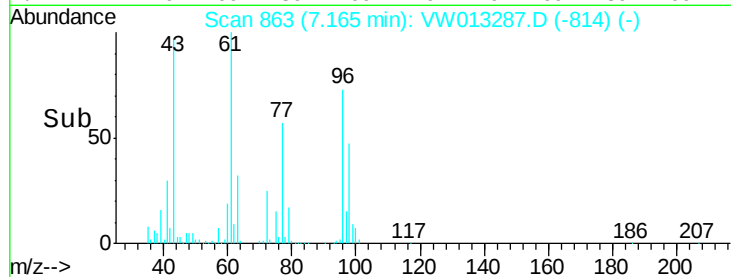
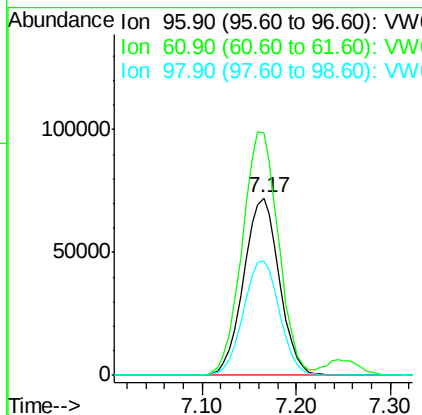
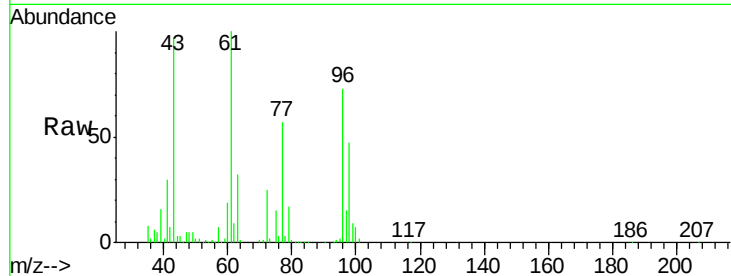
cis-1,2-Dichloroethene
Concen: 50.950 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	191910		
61	139.3	0.0	282.4	
98	65.3	0.0	128.2	

Manual Integrations
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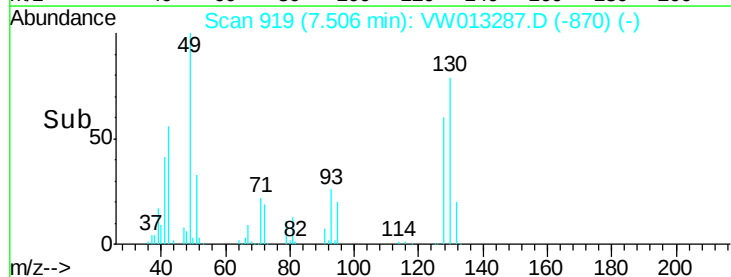
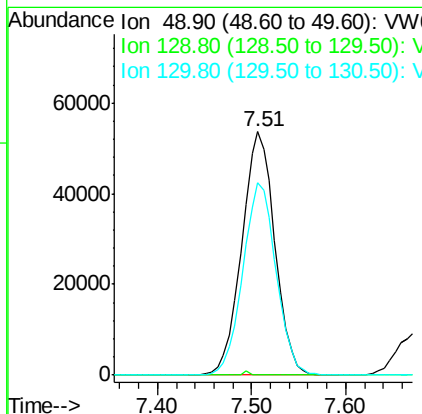
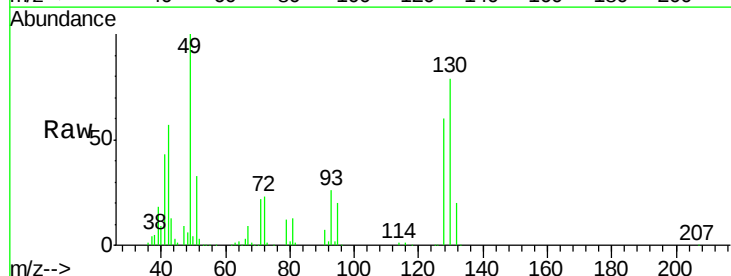
MMDadoda
9/26/2019 12:37:38 AM



#28

Bromochloromethane
Concen: 56.738 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131323		
129	0.2	0.0	1.0	
130	79.7	63.4	95.2	





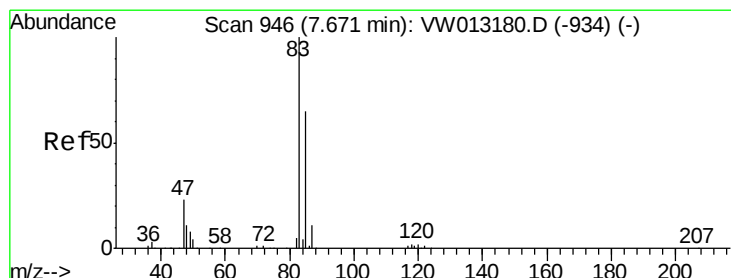
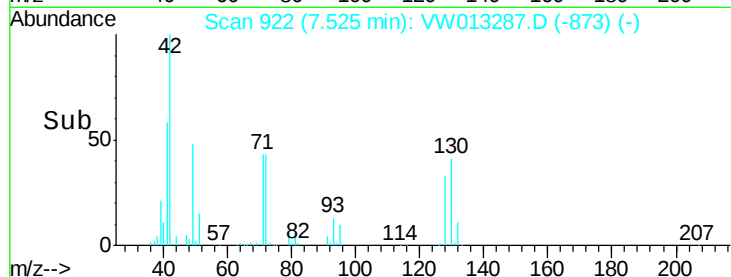
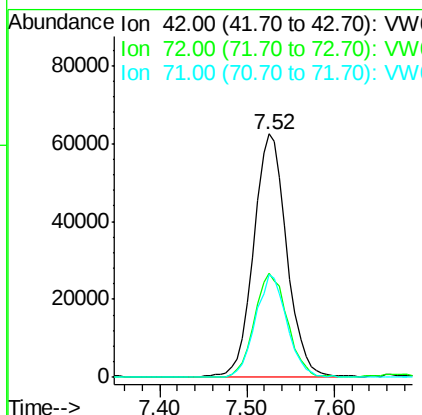
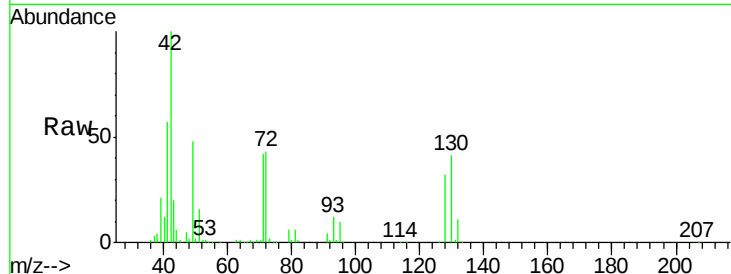
#29
Tetrahydrofuran
Concen: 273.624 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.9	50.9
71	40.5	31.9	47.9

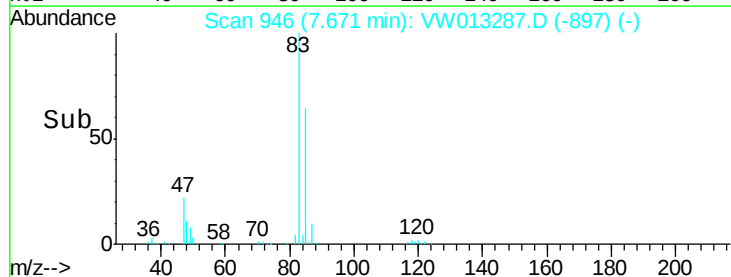
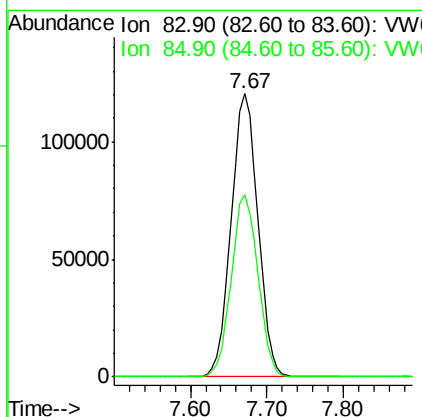
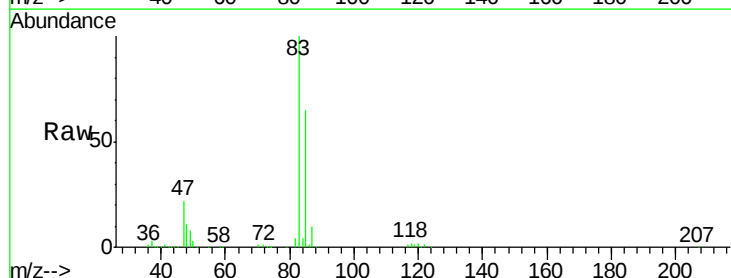
Manual Integrations
APPROVED

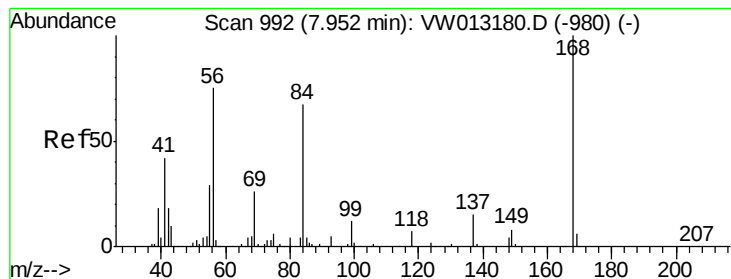
MMDadoda
9/26/2019 12:37:38 AM



#30
Chloroform
Concen: 49.402 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.3	78.5





#31

Cyclohexane

Concen: 45.525 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

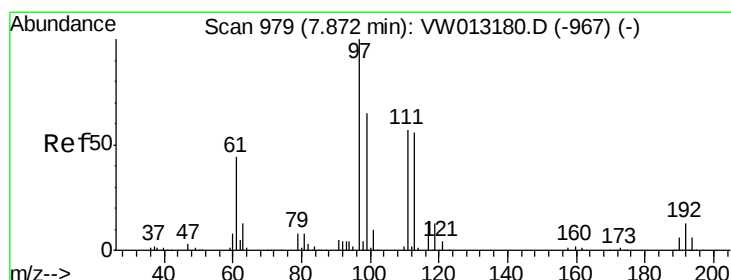
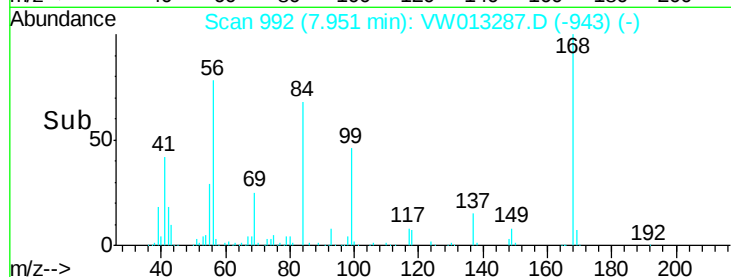
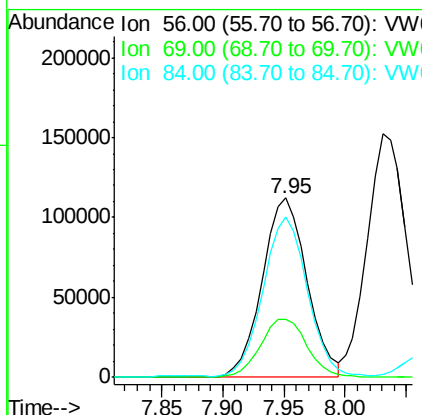
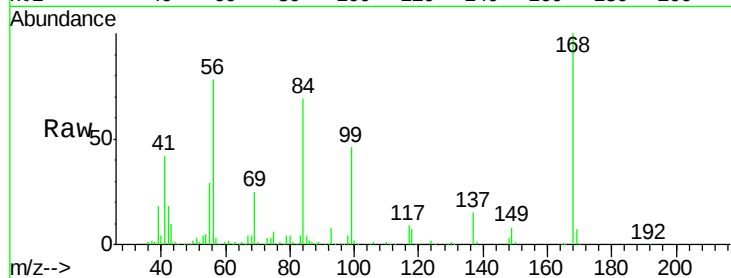
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	286184
Ion Ratio	Lower	Upper	
56	100		
69	32.6	27.2	40.8
84	88.1	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 47.798 ug/l

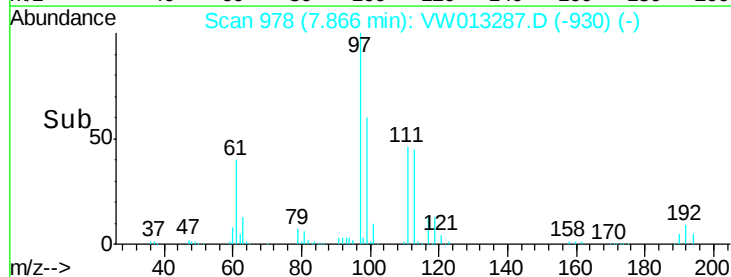
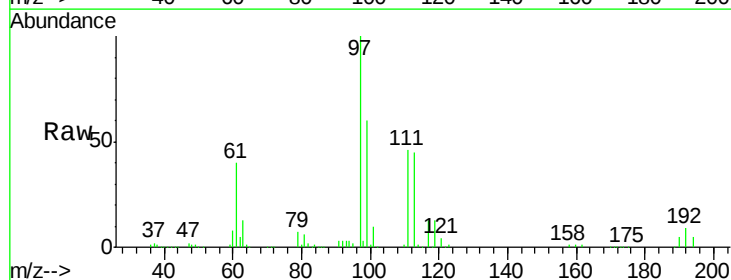
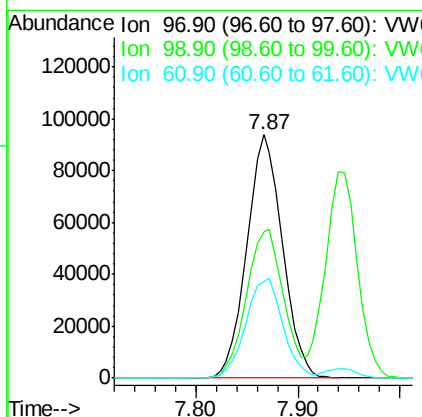
RT: 7.87 min Scan# 978

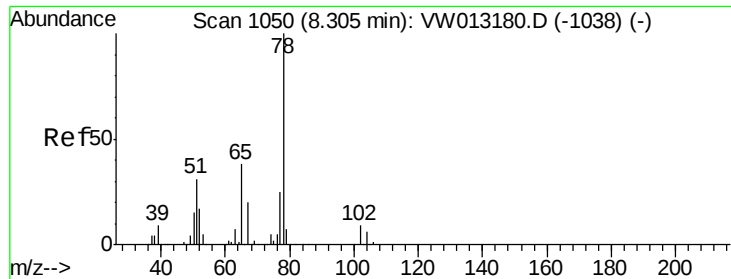
Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Tgt Ion:	97	Resp:	228570
Ion Ratio	Lower	Upper	
97	100		
99	63.0	51.7	77.5
61	42.4	34.6	51.8





#33

1,2-Dichloroethane-d4

Concen: 51.593 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 149627

Ion Ratio Lower Upper

65 100

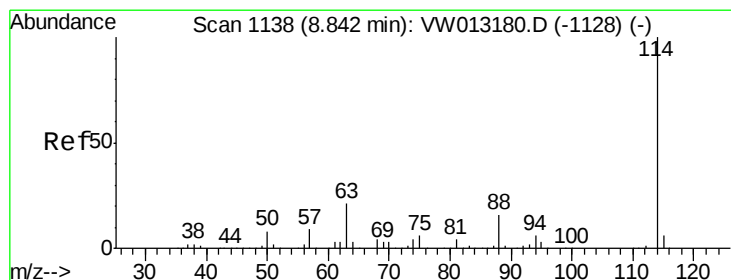
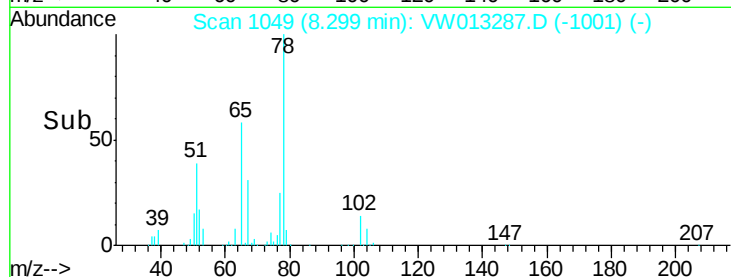
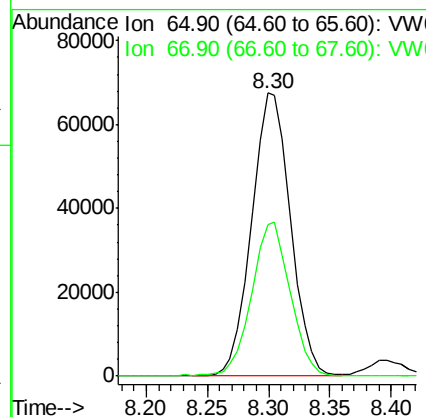
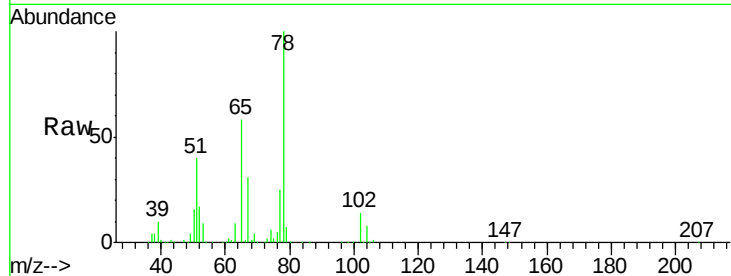
67 54.0 0.0 106.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

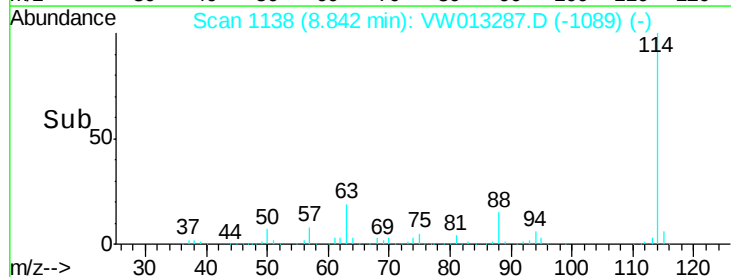
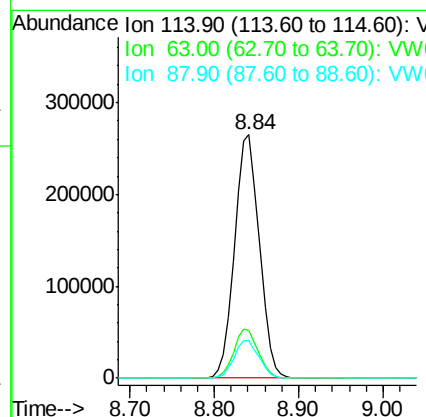
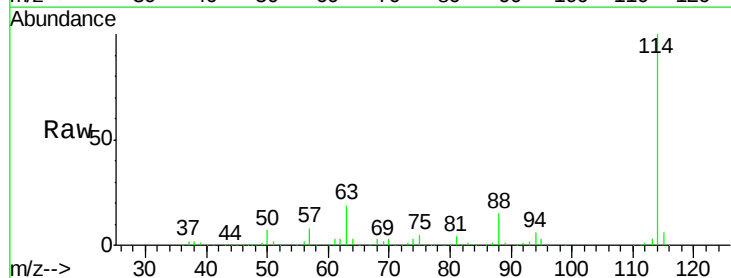
Tgt Ion: 114 Resp: 526116

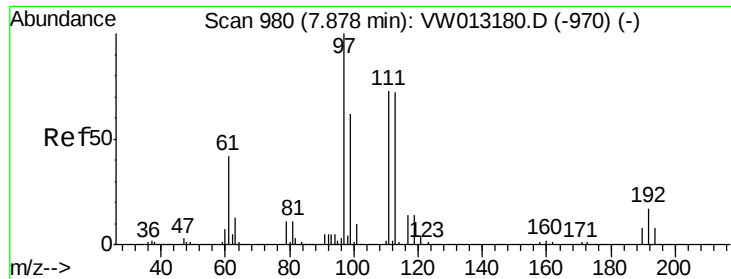
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.4

88 15.3 0.0 32.0





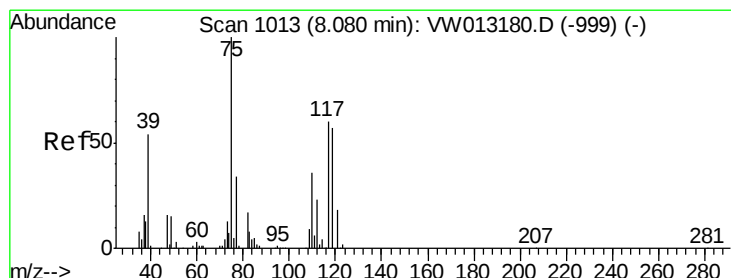
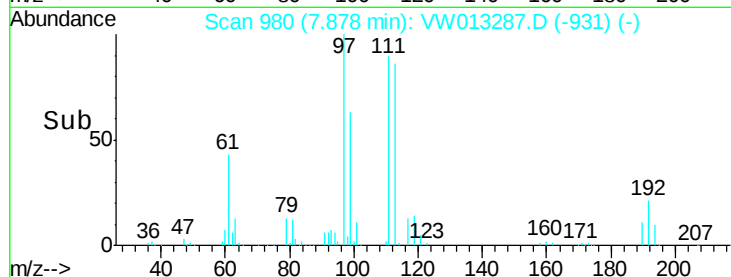
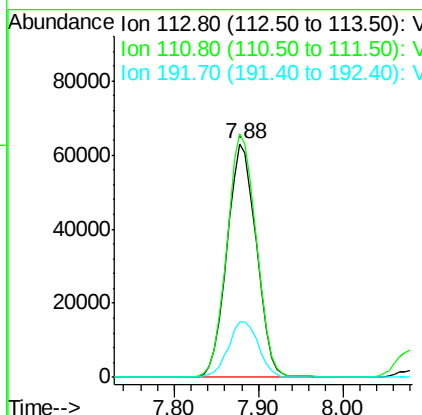
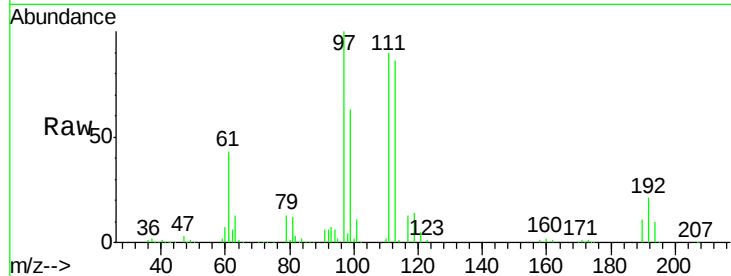
#35
 Dibromofluoromethane
 Concen: 51.651 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149460		
111	104.7	81.9	122.9	
192	24.6	19.1	28.7	

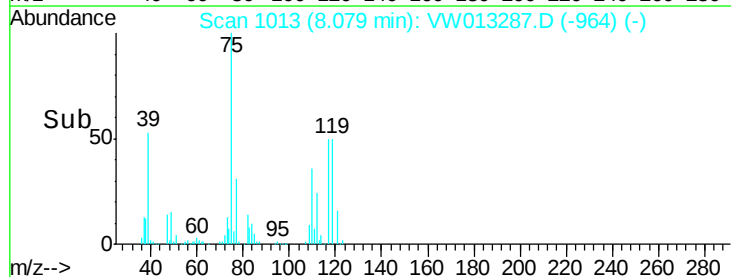
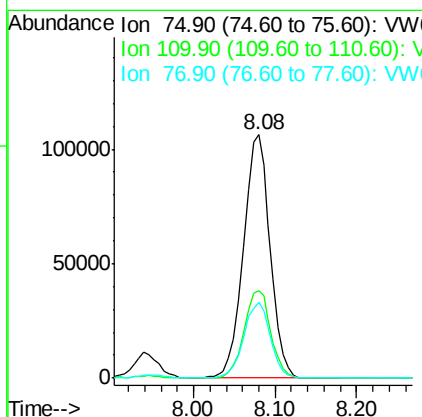
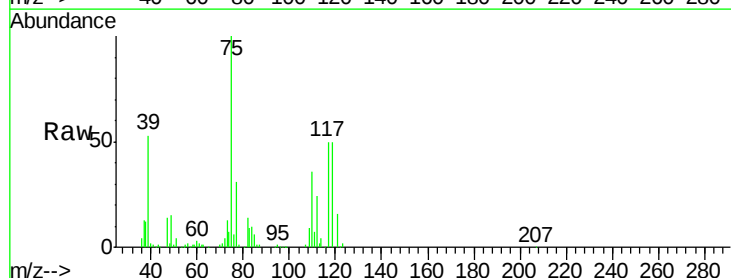
Manual Integrations
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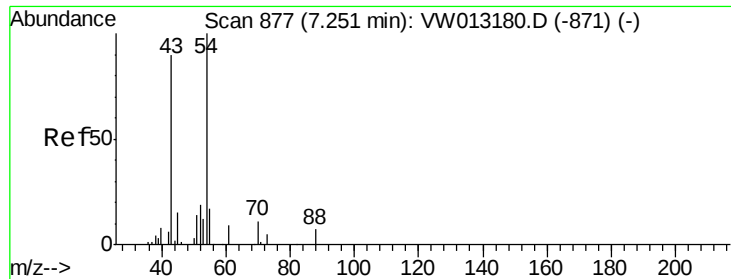
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.178 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	240411		
110	35.9	18.1	54.3	
77	31.3	25.8	38.6	





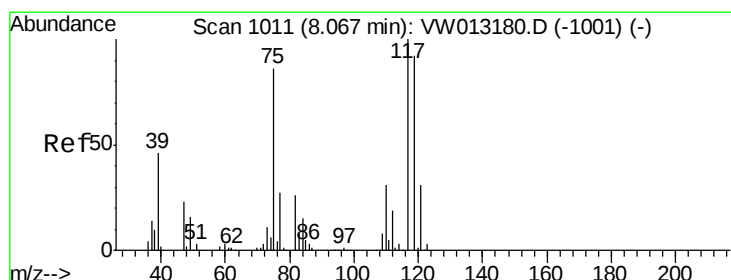
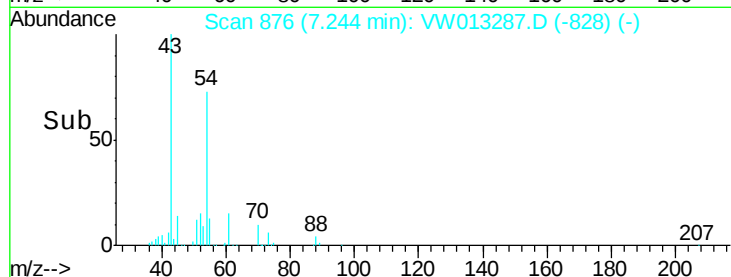
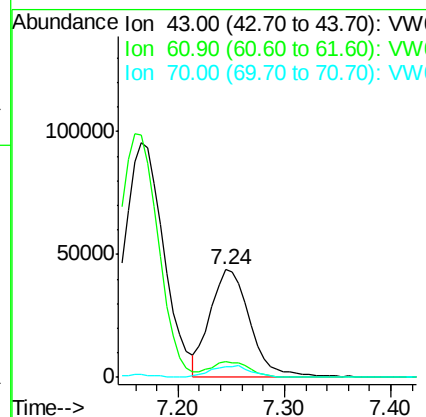
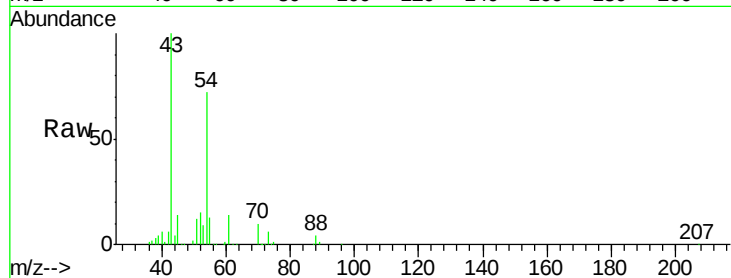
#37
Ethyl Acetate
Concen: 52.052 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	10.8	8.2	12.2

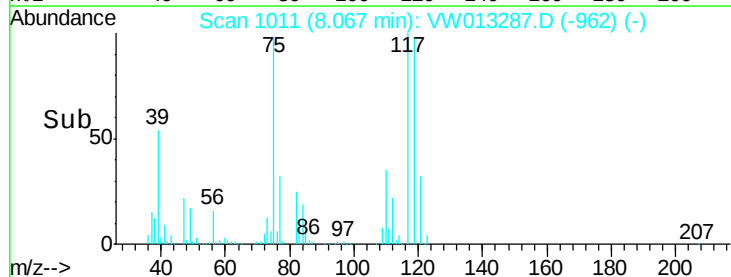
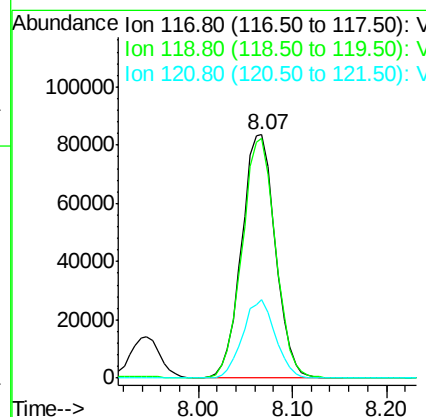
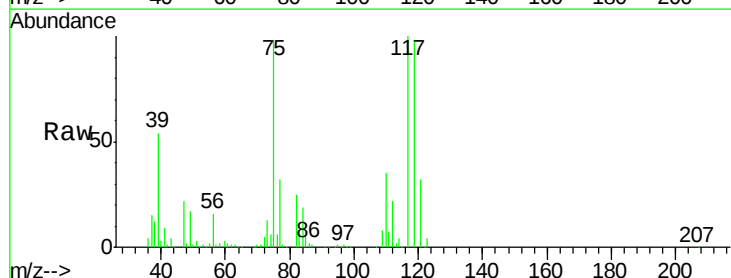
Manual Integrations
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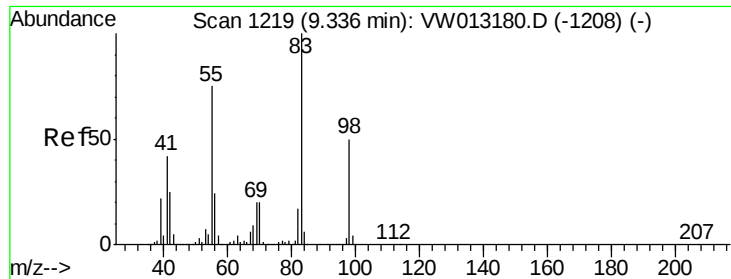
MMDadoda
9/26/2019 12:37:38 AM



#38
Carbon Tetrachloride
Concen: 45.864 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	73.5	110.3
121	32.0	25.0	37.6





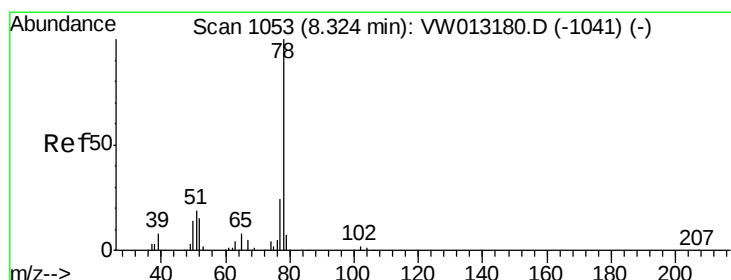
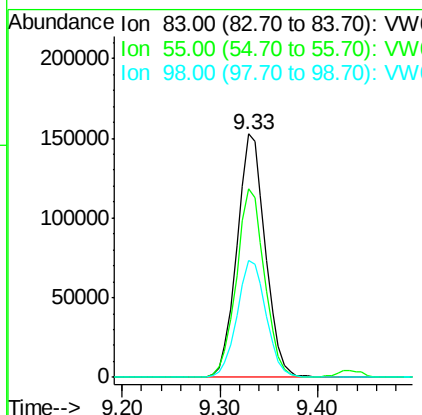
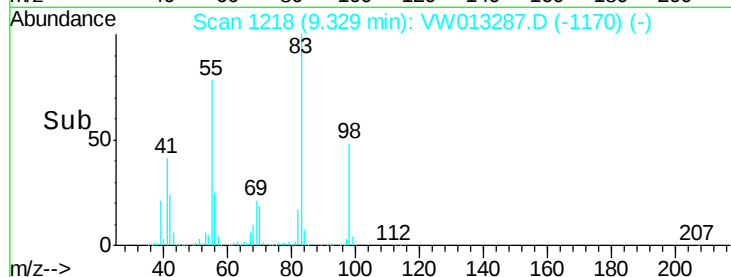
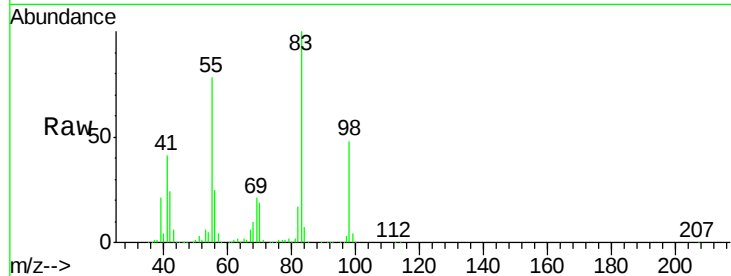
#39
Methvlcvclohexane
Concen: 46.864 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	306897		
55	77.5		60.4	90.6
98	48.2		40.0	60.0

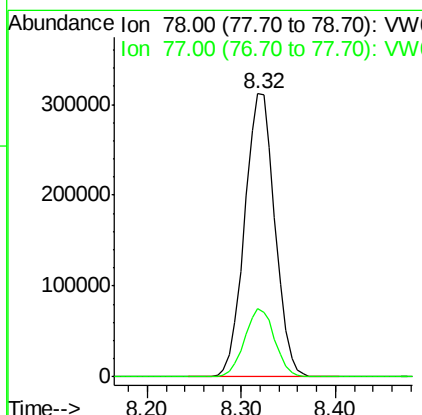
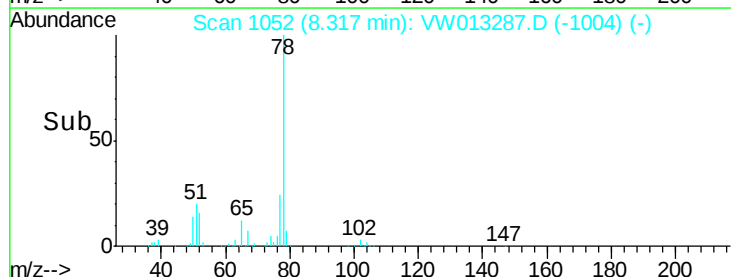
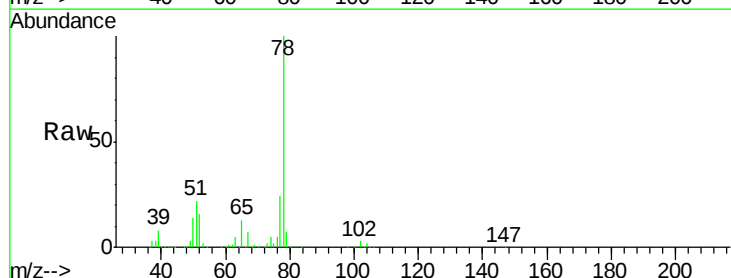
Manual Integrations
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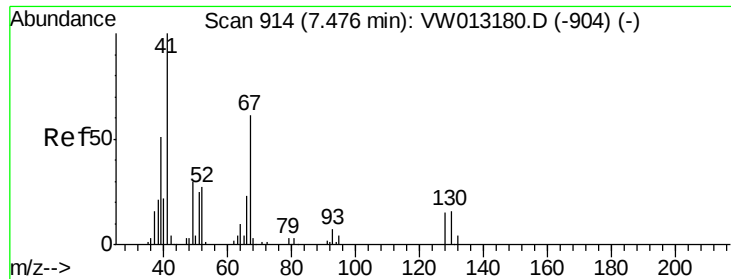
MMDadoda
9/26/2019 12:37:38 AM



#40
Benzene
Concen: 49.382 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	701900		
77	24.2		19.1	28.7





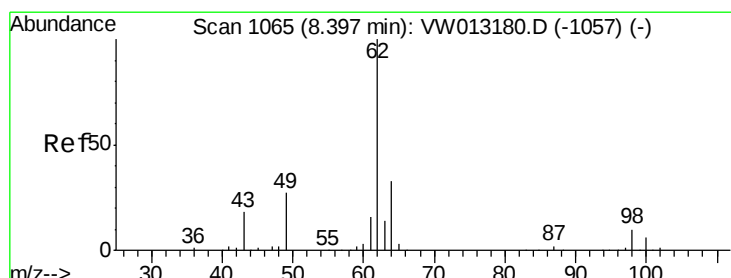
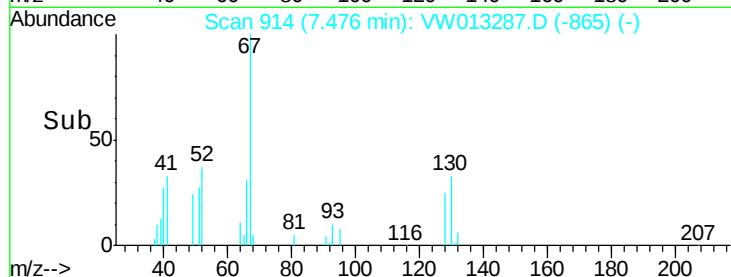
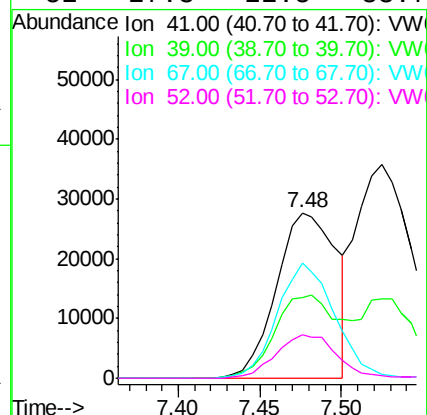
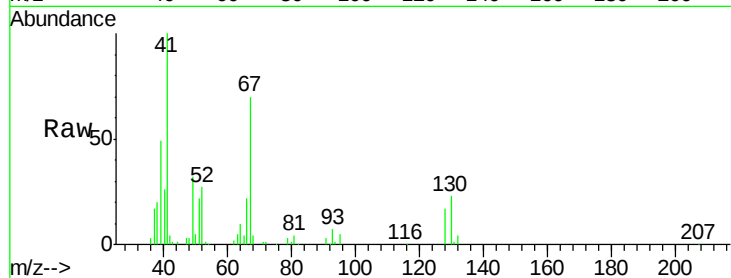
#41
Methacrylonitrile
Concen: 54.477 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	70415
Ion	Ratio	Lower	Upper
41	100		
39	55.7	45.9	68.9
67	67.6	54.5	81.7
52	27.3	22.5	33.7

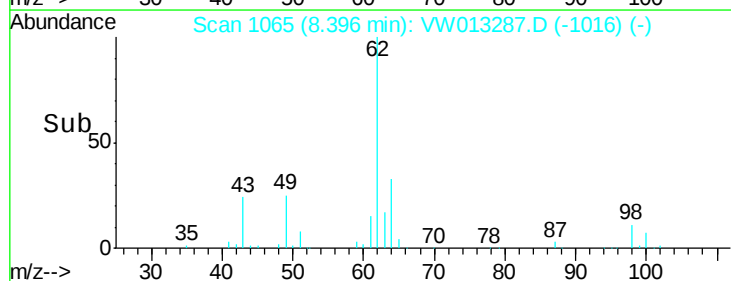
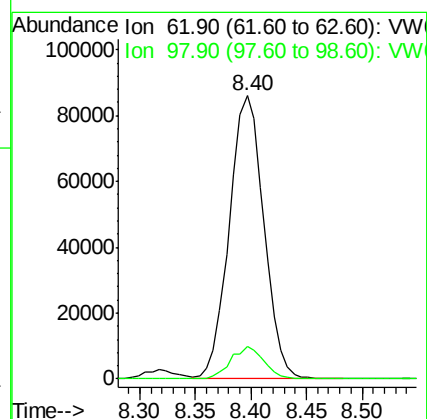
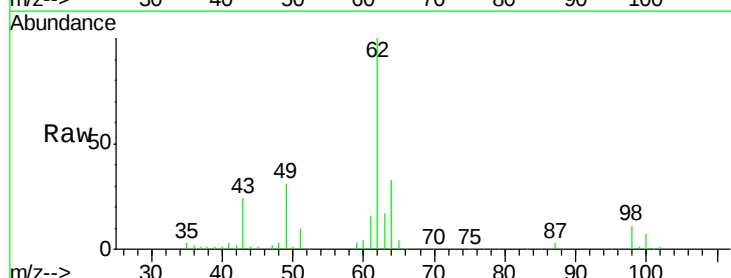
Manual Integrations
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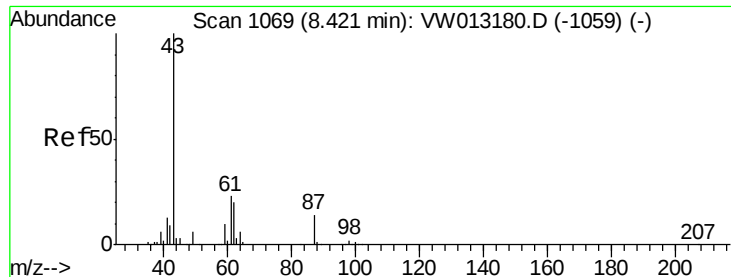
MMDadoda
9/26/2019 12:37:38 AM



#42
1,2-Dichloroethane
Concen: 48.475 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	62	Resp	185218
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 52.659 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

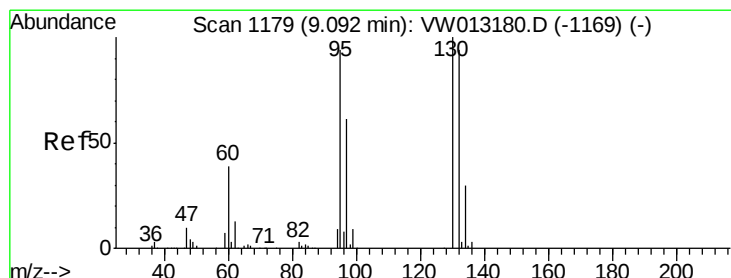
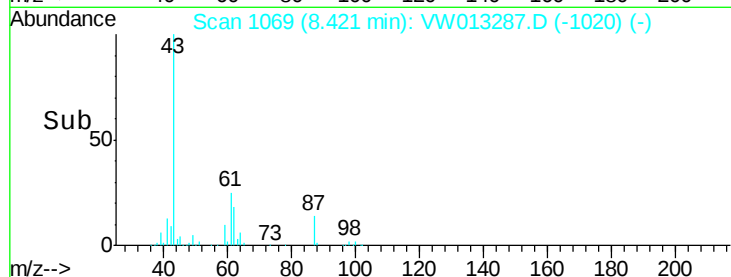
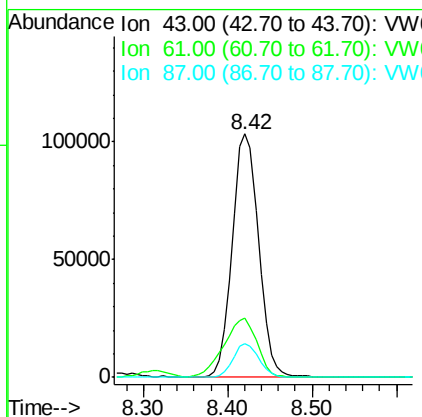
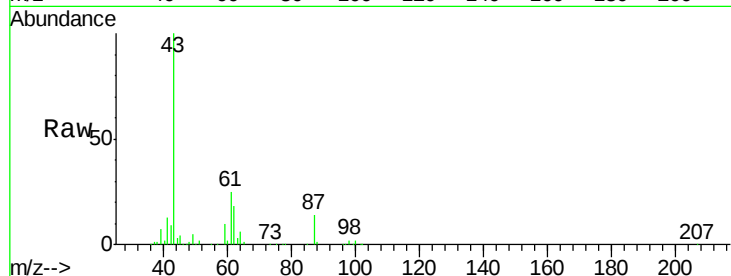
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	218577
Ion	Ratio	Lower	Upper
43	100		
61	31.2	25.5	38.3
87	13.6	11.0	16.4

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#44

Trichloroethene

Concen: 48.547 ug/l

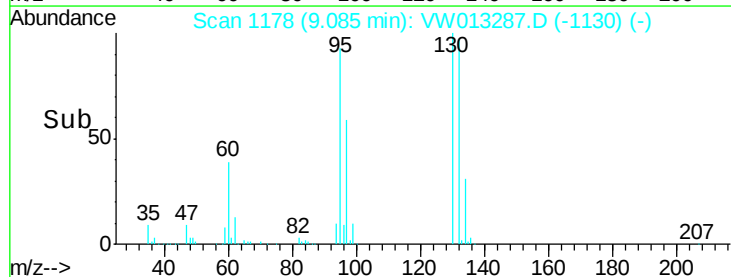
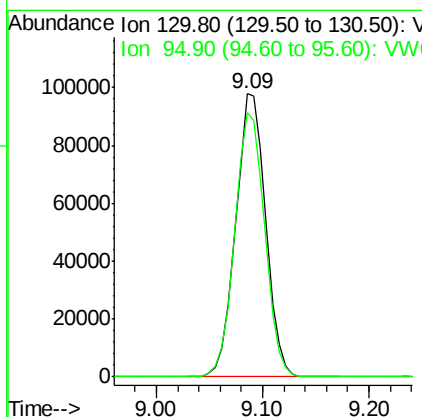
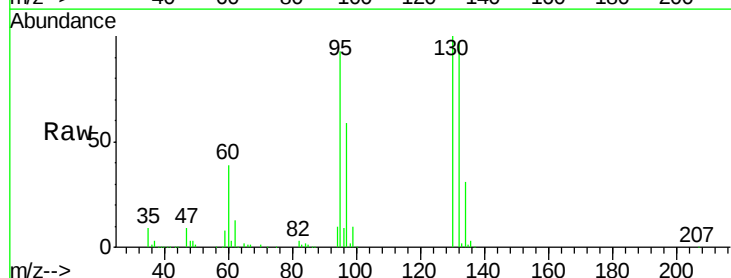
RT: 9.09 min Scan# 1178

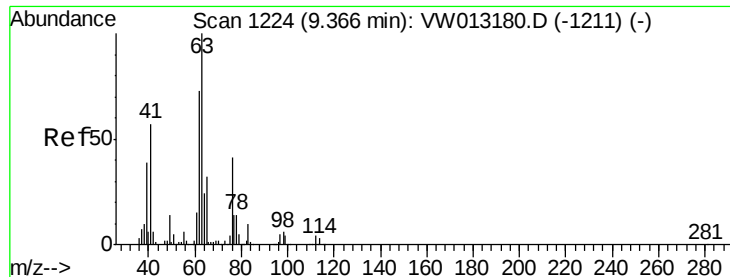
Delta R.T. -0.01 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Tgt Ion:	130	Resp:	193602
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	188.0





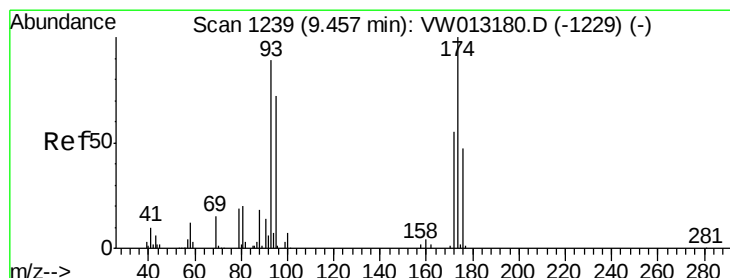
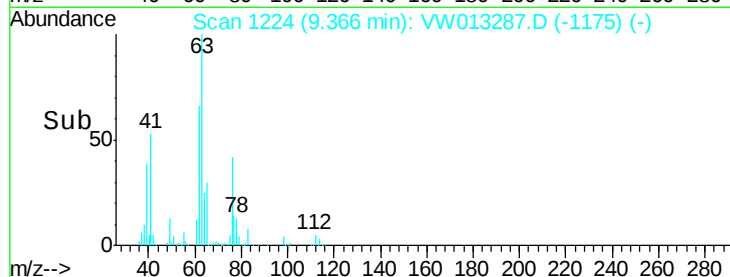
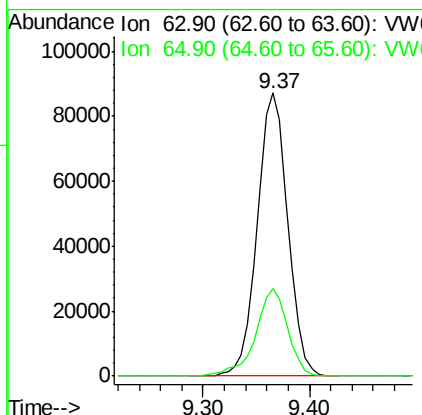
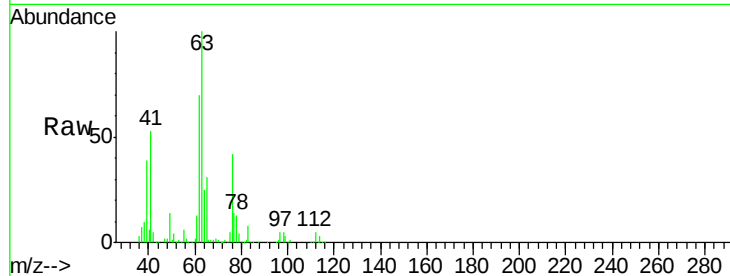
#45
 1,2-Dichloropropane
 Concen: 50.431 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	25.3	37.9

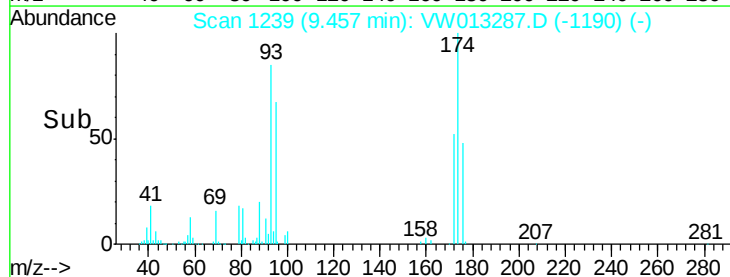
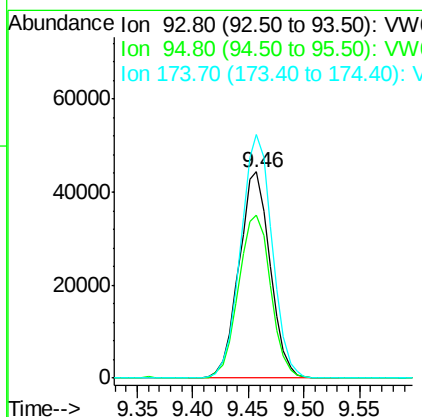
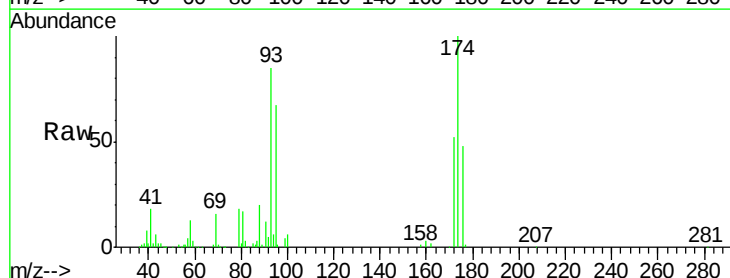
Manual Integrations
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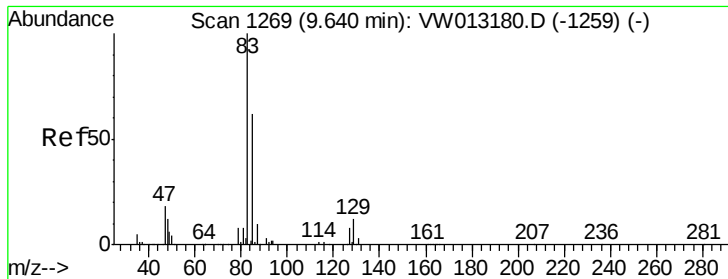
MMDadoda
 9/26/2019 12:37:38 AM



#46
 Dibromomethane
 Concen: 51.067 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.6	66.4	99.6
174	118.9	93.0	139.6





#47

Bromodichloromethane

Concen: 49.474 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

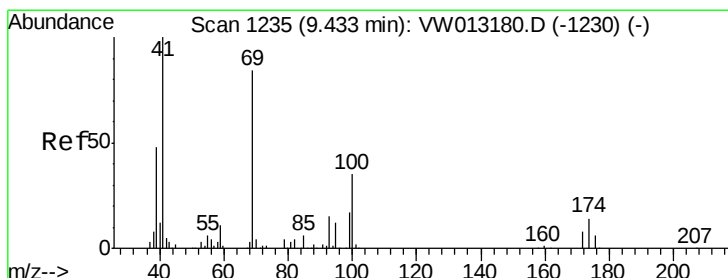
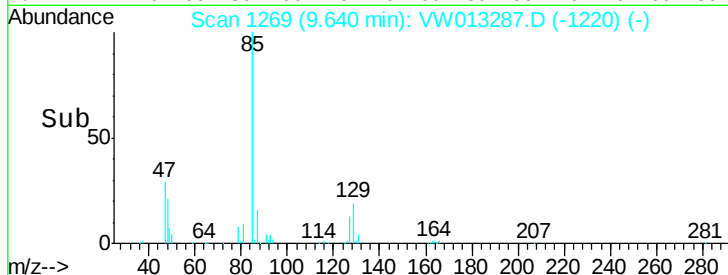
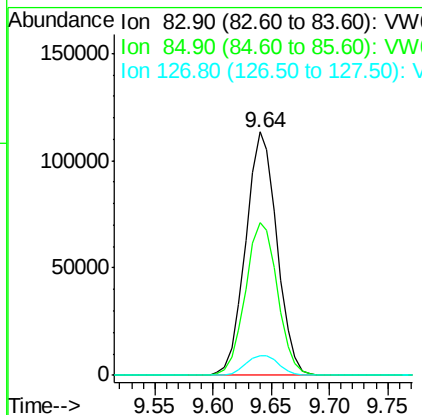
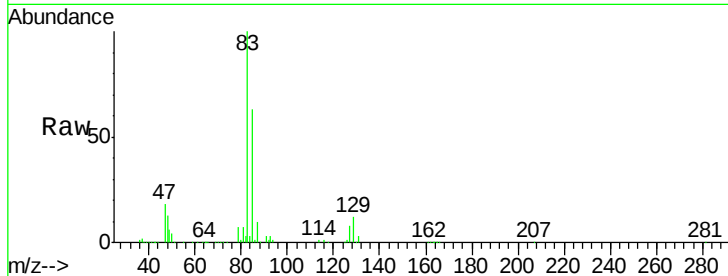
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	212092
Ion Ratio	Lower	Upper	
83	100		
85	62.6	49.4	74.2
127	8.0	6.5	9.7

Manual Integrations
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9/26/2019 12:37:38 AM



#48

Methyl methacrylate

Concen: 51.938 ug/l

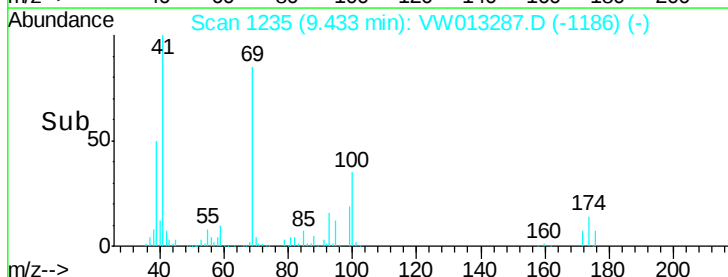
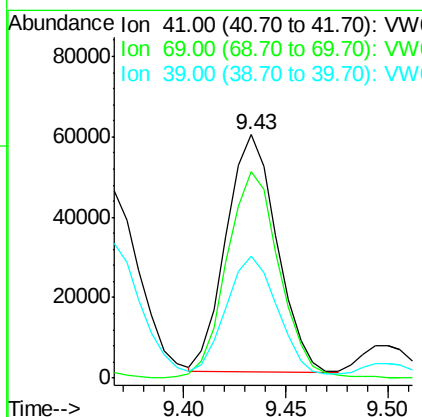
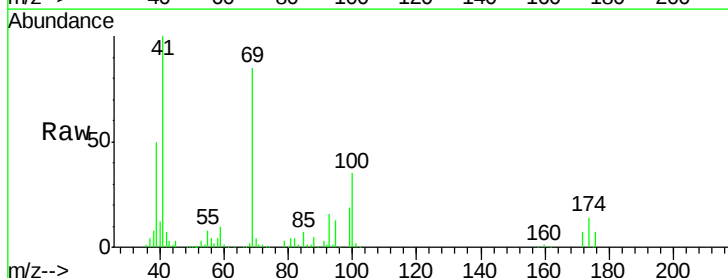
RT: 9.43 min Scan# 1235

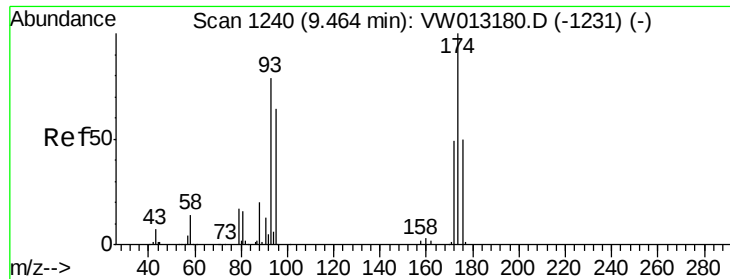
Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Tgt Ion:	41	Resp:	101373
Ion Ratio	Lower	Upper	
41	100		
69	90.7	69.7	104.5
39	49.9	41.1	61.7





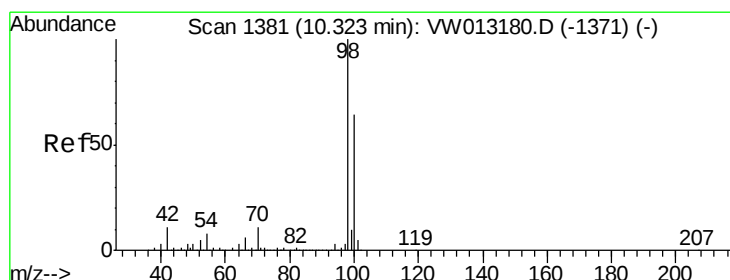
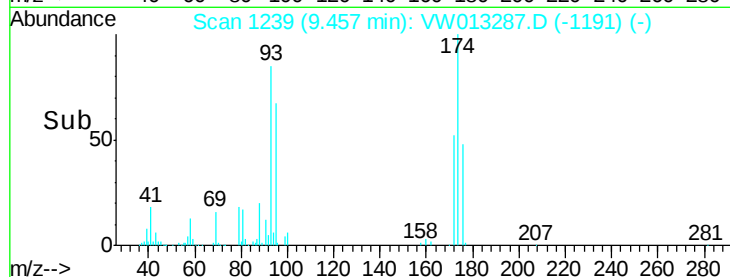
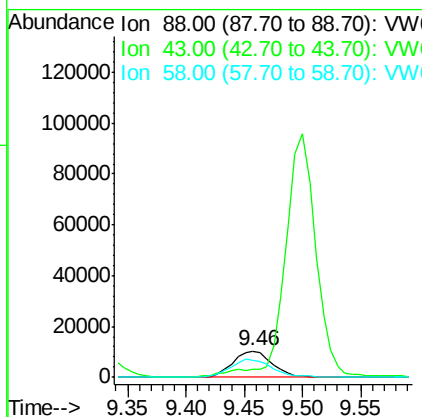
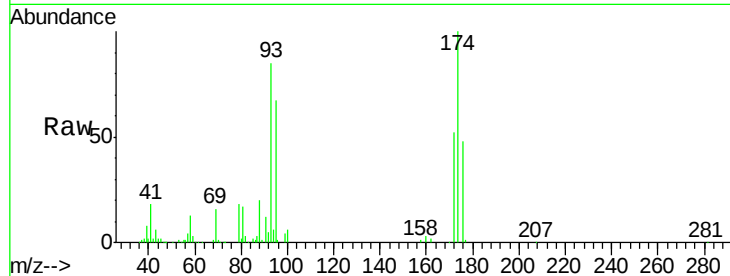
#49
1,4-Dioxane
Concen: 959.180 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	24257
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.1	65.4	98.0

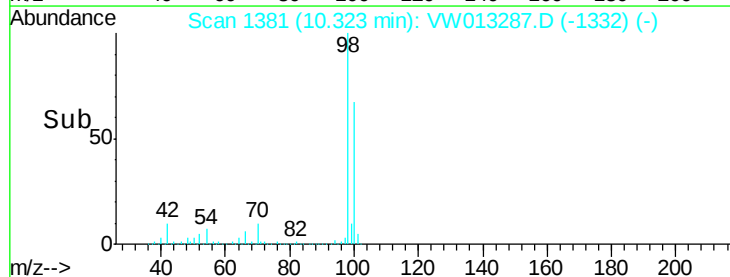
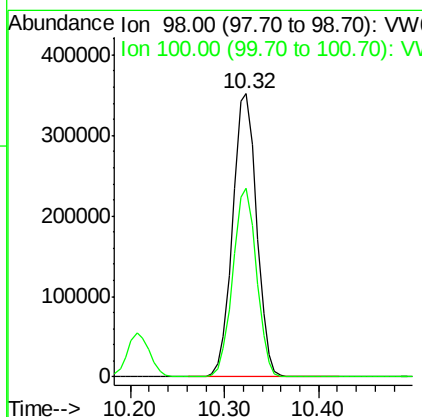
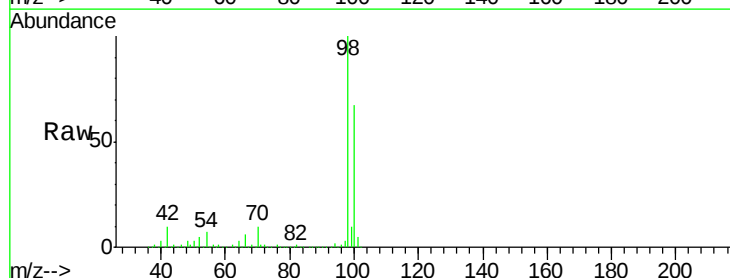
Manual Integrations
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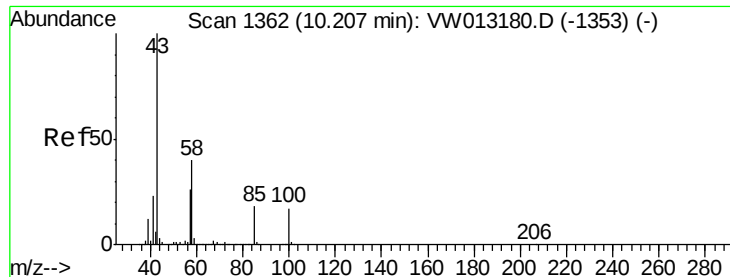
MMDadoda
9/26/2019 12:37:38 AM



#50
Toluene-d8
Concen: 51.420 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	98	Resp	622710
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 265.602 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 552687

Ion Ratio Lower Upper

43 100

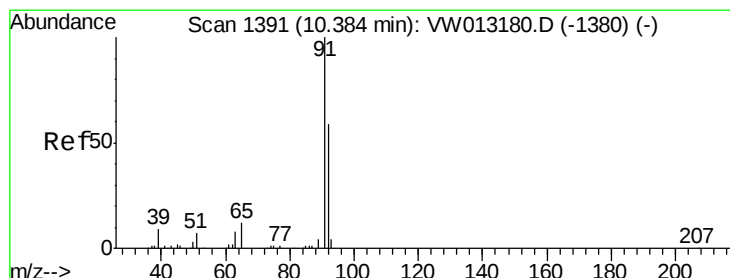
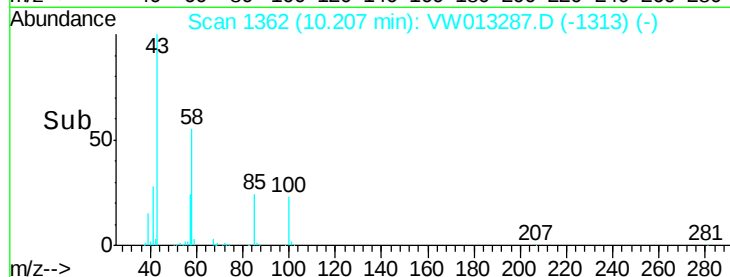
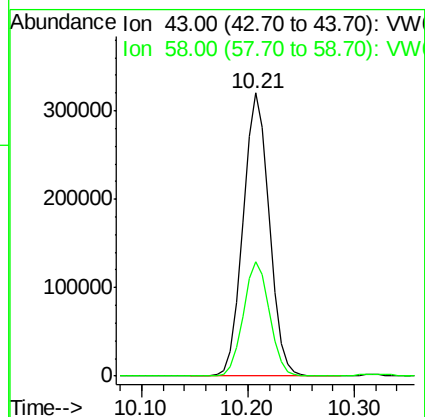
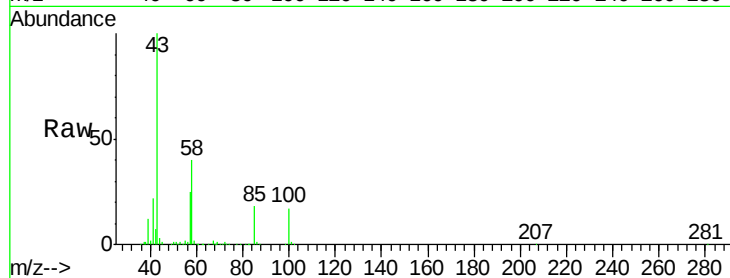
58 40.4 31.7 47.5

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#52

Toluene

Concen: 49.647 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013287.D

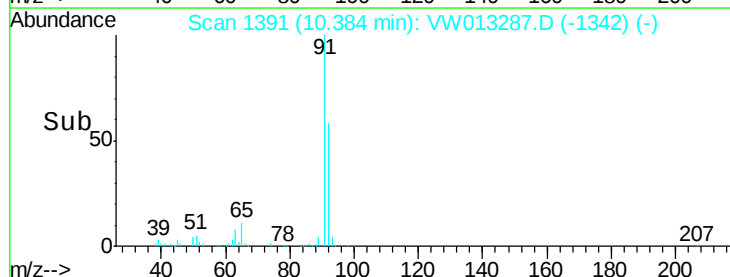
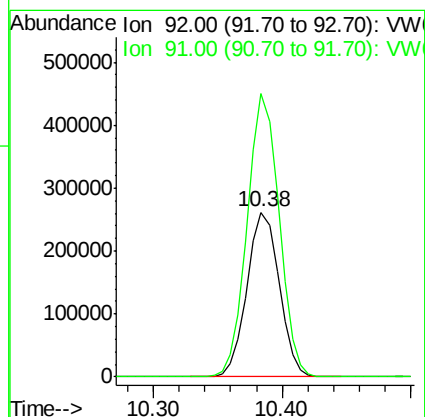
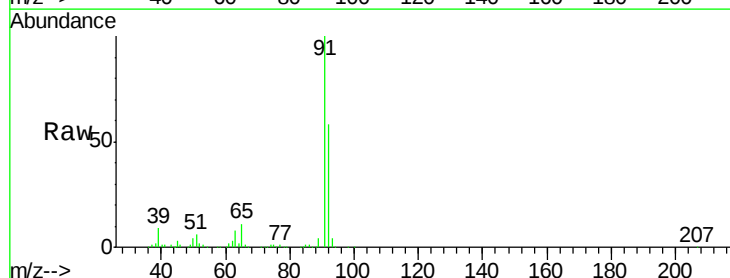
Acq: 24 Sep 2019 19:57

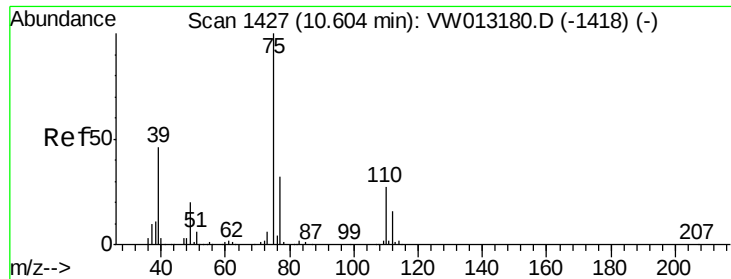
Tgt Ion: 92 Resp: 452258

Ion Ratio Lower Upper

92 100

91 170.2 135.7 203.5





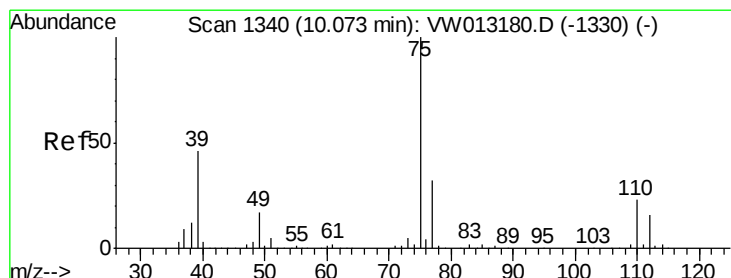
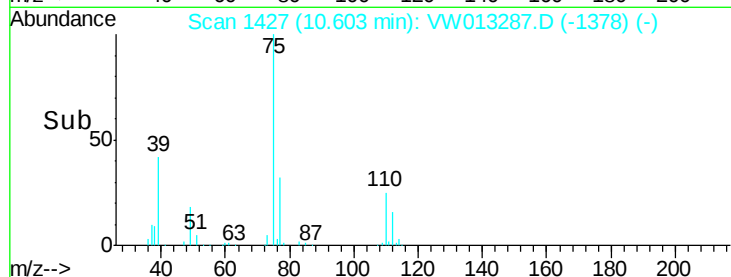
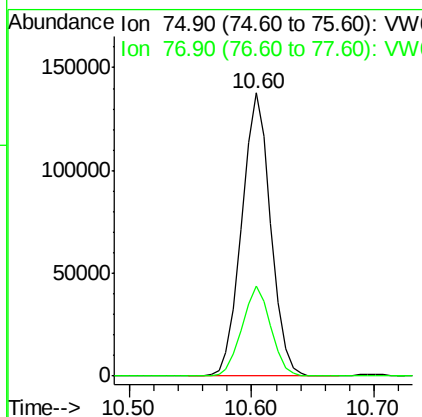
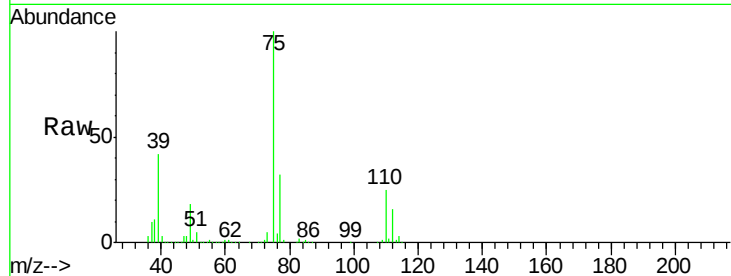
#53
t-1,3-Dichloropropene
Concen: 51.263 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3

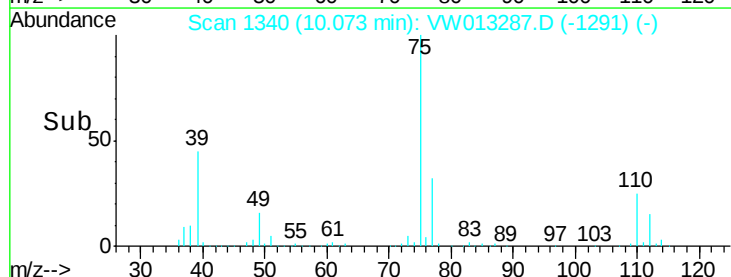
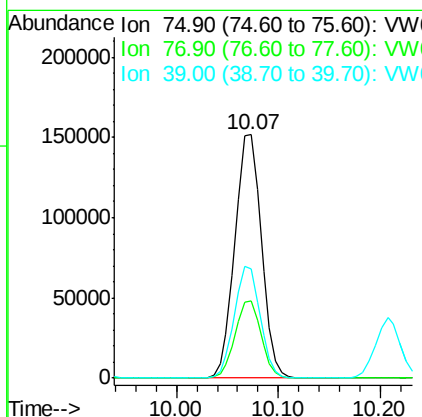
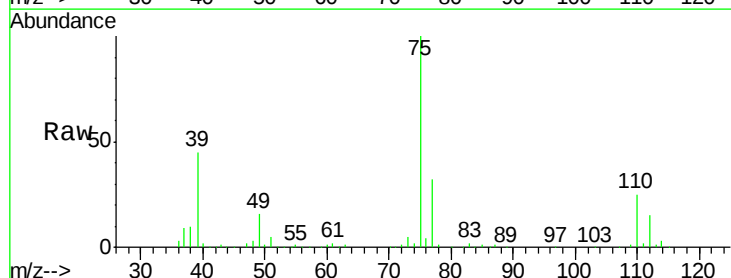
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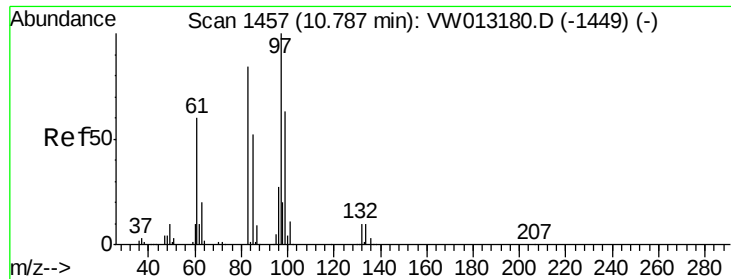
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.217 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.2	37.8
39	45.0	36.6	55.0





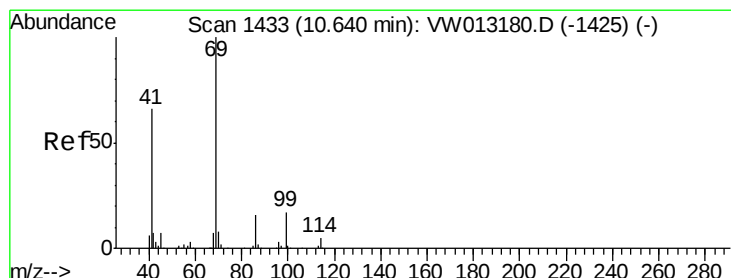
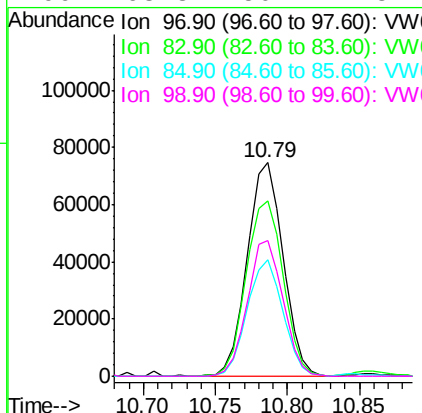
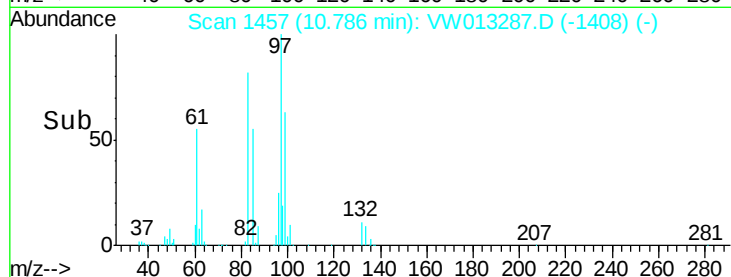
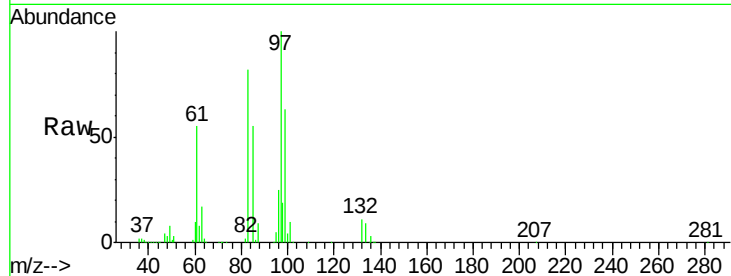
#55
 1,1,2-Trichloroethane
 Concen: 51.063 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		128586		
83	82.2	67.6	101.4		
85	54.5	41.9	62.9		
99	63.3	50.1	75.1		

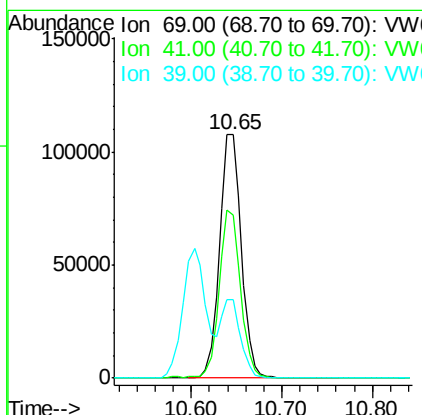
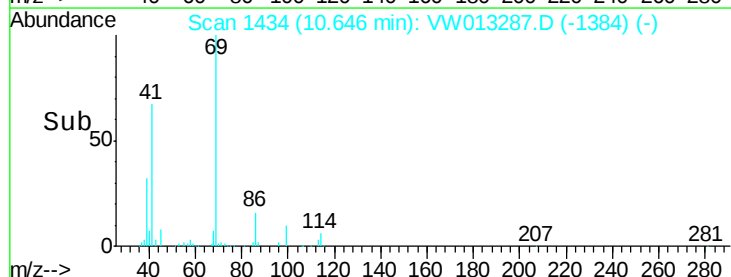
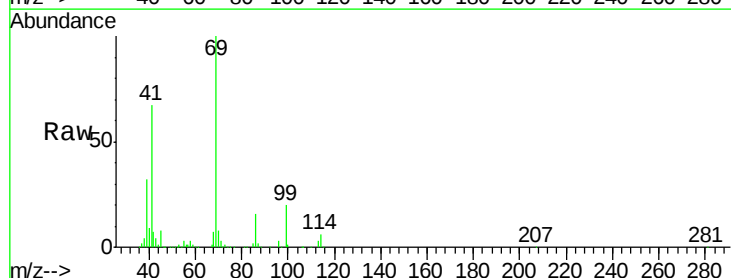
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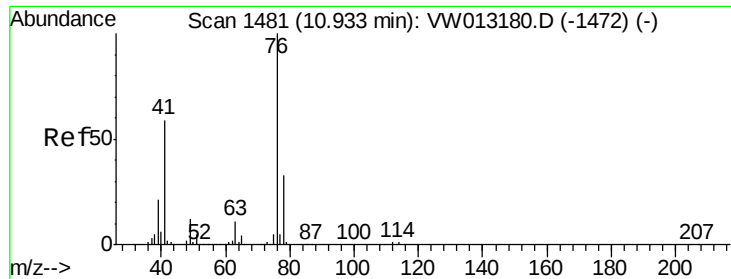
MMDadoda
 9/26/2019 12:37:38 AM



#56
 Ethyl methacrylate
 Concen: 54.826 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		180683		
41	66.7	53.9	80.9		
39	28.1	23.8	35.6		





#57

1,3-Dichloropropane

Concen: 51.374 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 225754

Ion Ratio Lower Upper

76 100

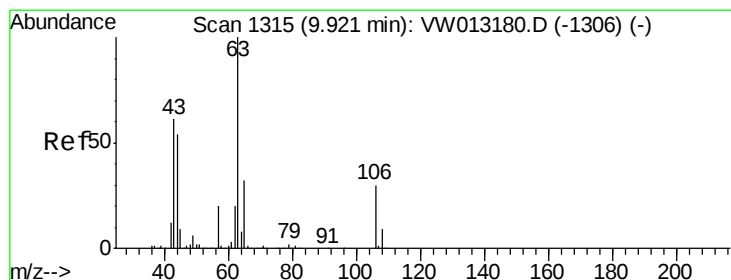
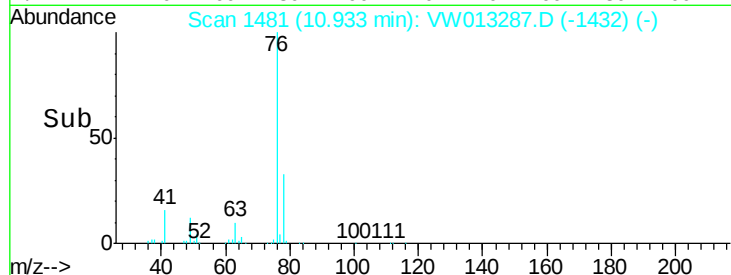
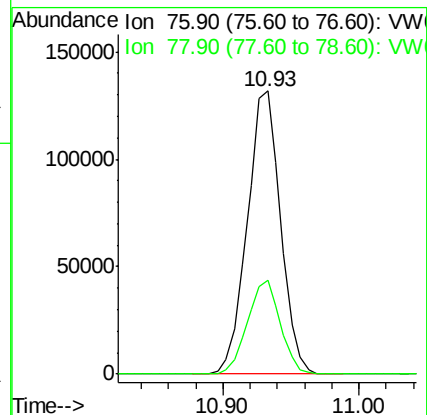
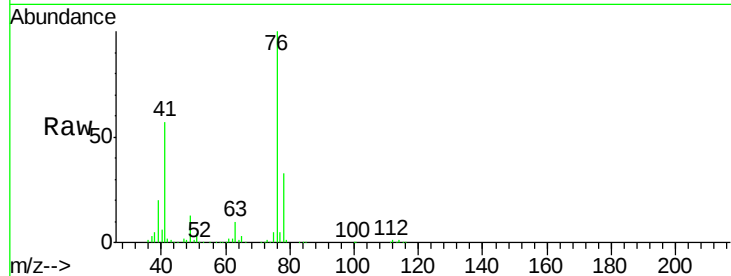
78 32.7 25.5 38.3

Manual Integrations

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9/26/2019 12:37:38 AM



#58

2-Chloroethyl Vinyl ether

Concen: 278.335 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013287.D

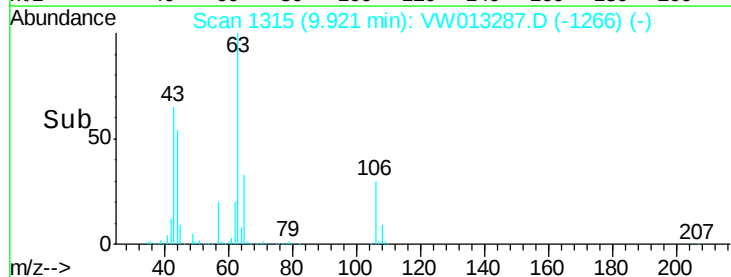
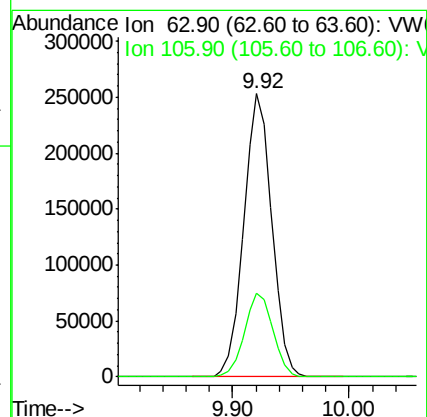
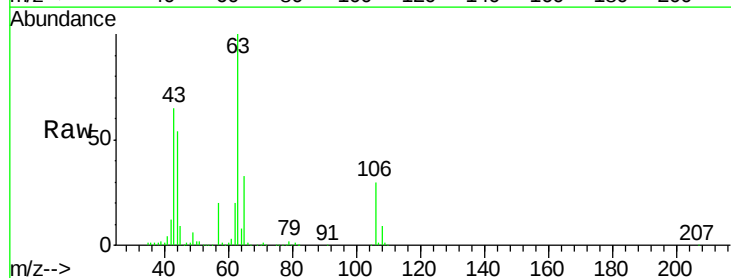
Acq: 24 Sep 2019 19:57

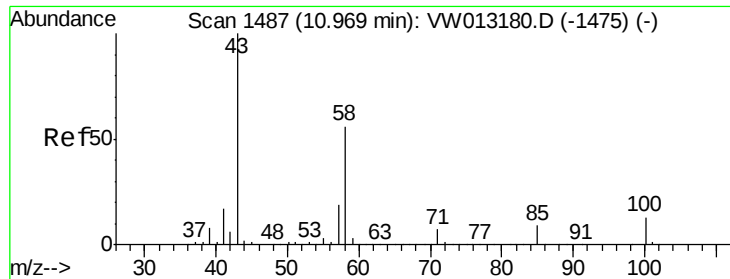
Tgt Ion: 63 Resp: 424650

Ion Ratio Lower Upper

63 100

106 29.9 23.4 35.0





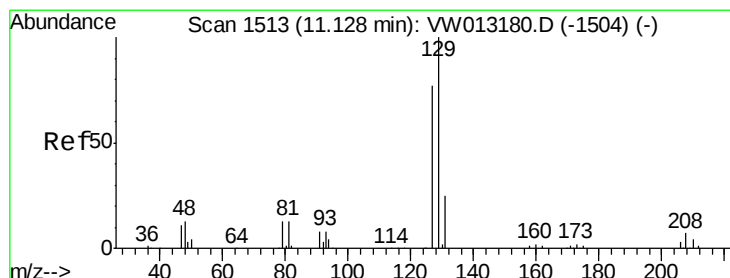
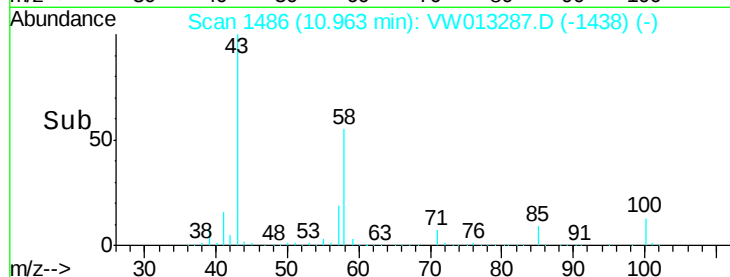
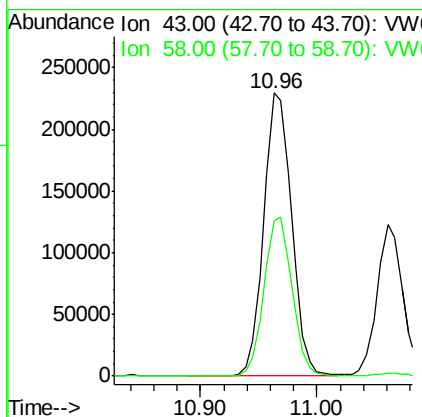
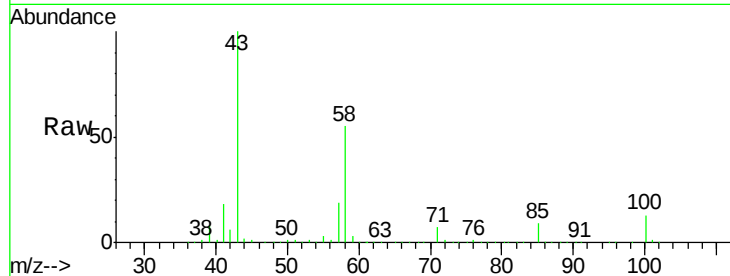
#59
2-Hexanone
Concen: 265.449 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 380029
Ion Ratio Lower Upper
43 100
58 56.4 28.1 84.2

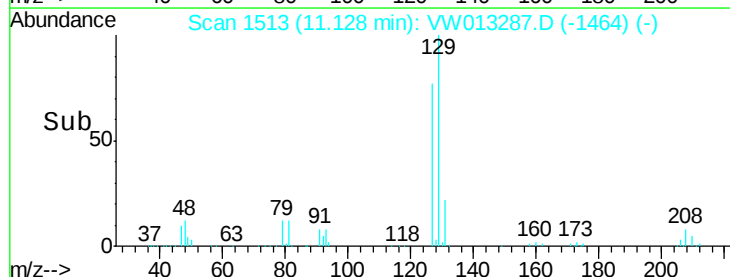
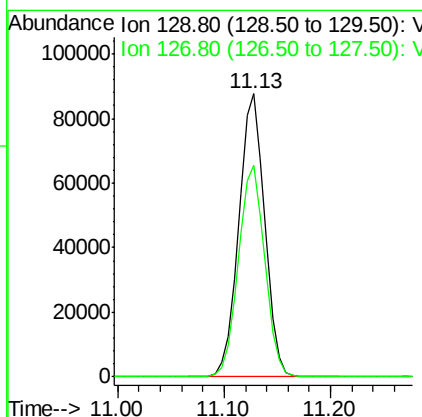
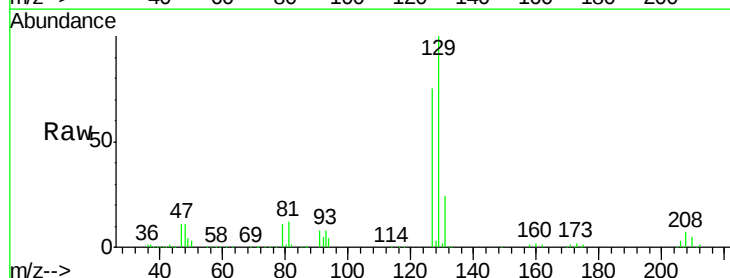
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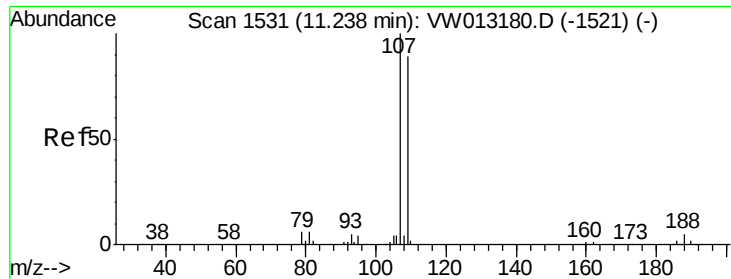
MMDadoda
9/26/2019 12:37:38 AM



#60
Dibromochloromethane
Concen: 52.381 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion: 129 Resp: 149776
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.4





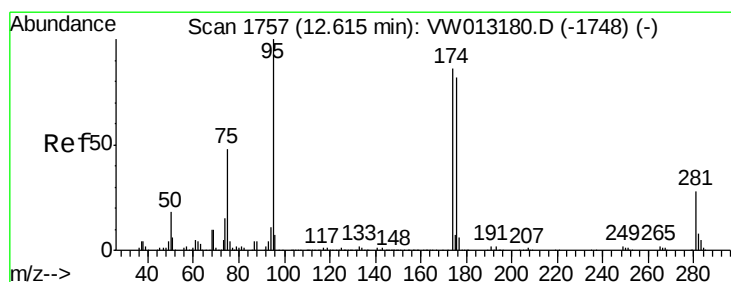
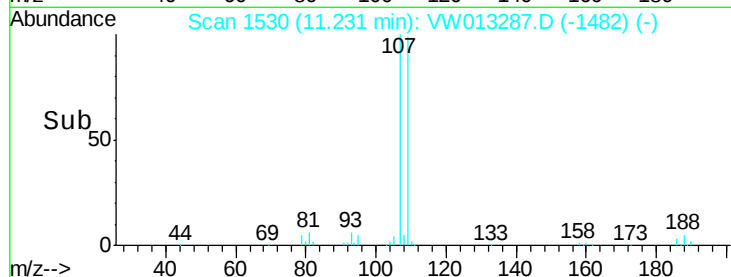
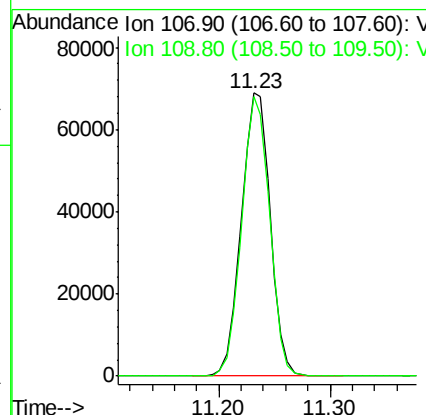
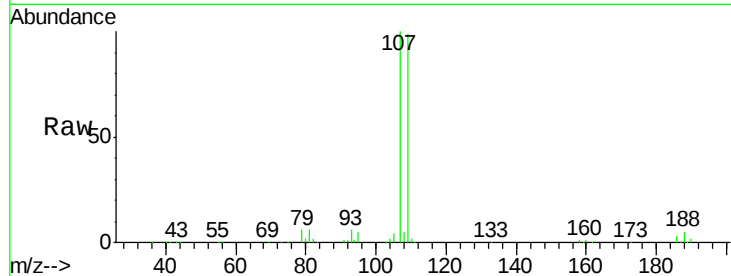
#61
 1,2-Dibromoethane
 Concen: 51.664 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	123698		
109	95.7	75.2	112.8	

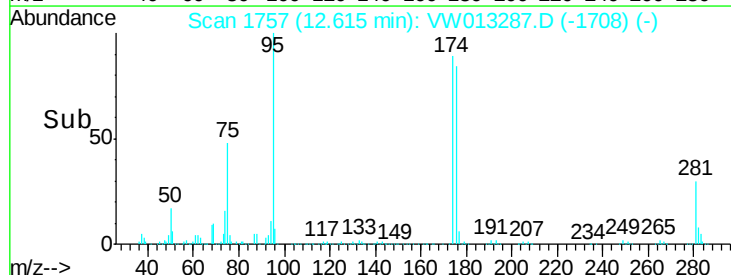
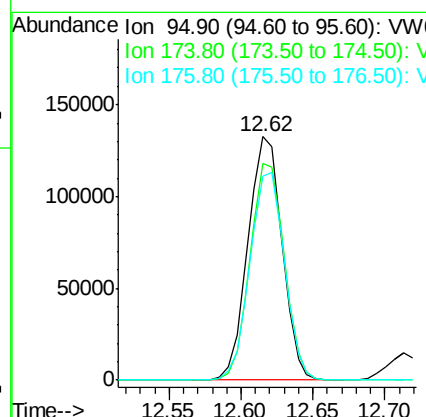
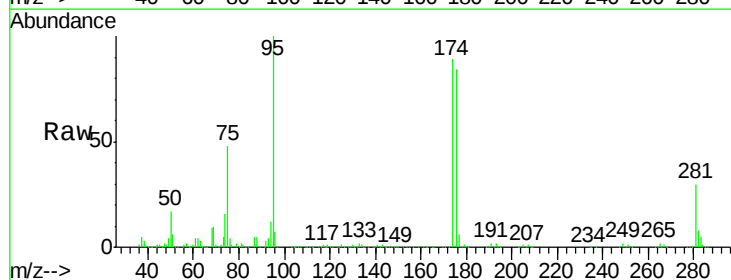
Manual Integrations
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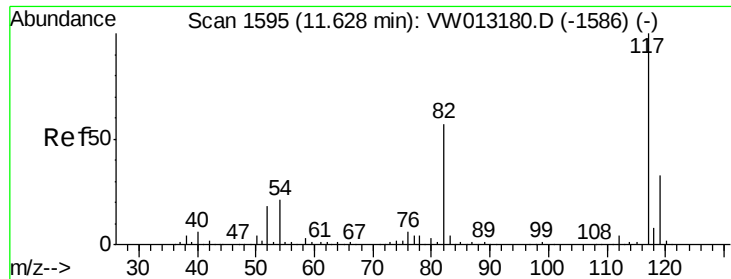
MMDadoda
 9/26/2019 12:37:38 AM



#62
 4-Bromofluorobenzene
 Concen: 52.469 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	217052		
174	89.0	0.0	178.4	
176	86.3	0.0	172.2	





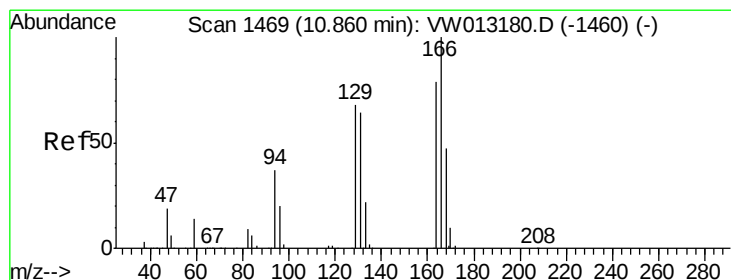
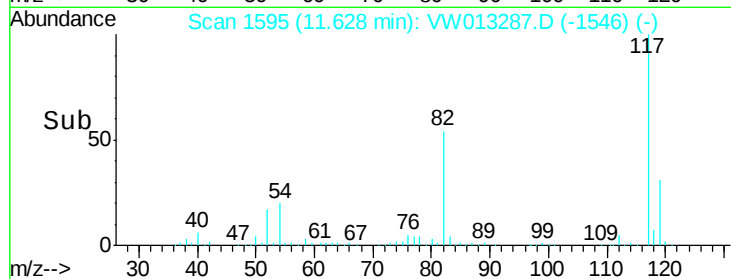
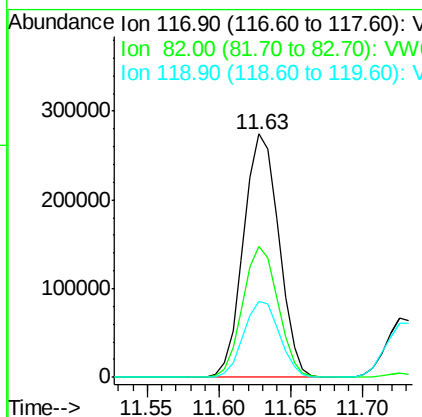
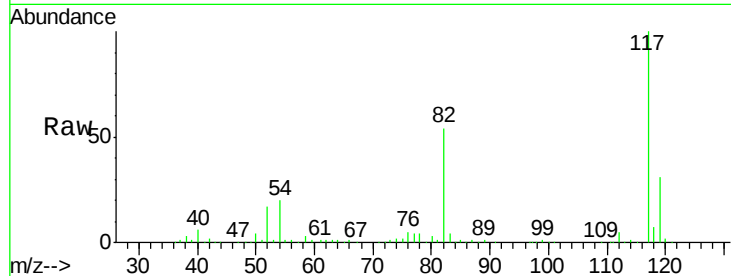
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.9	68.9
119	31.4	26.2	39.2

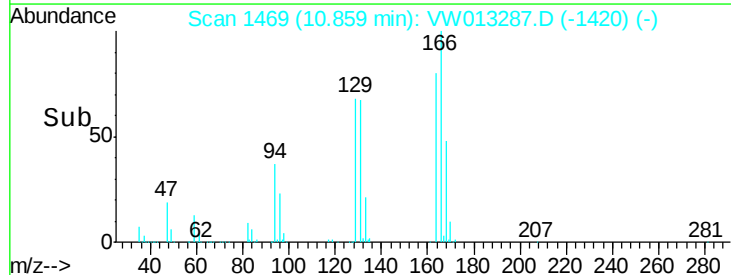
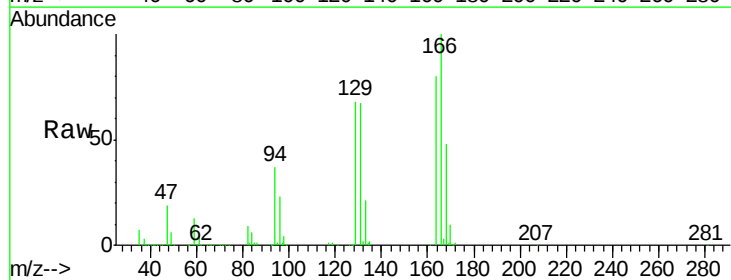
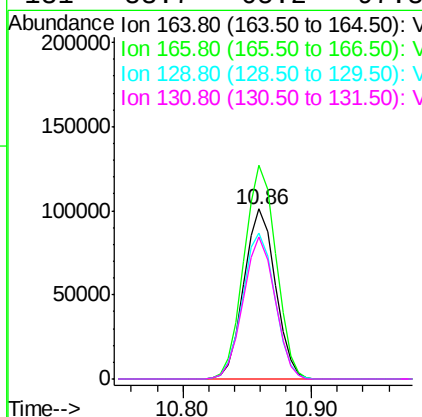
Manual Integrations
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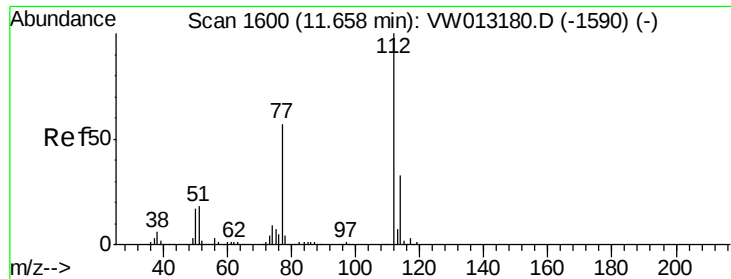
MMDadoda
9/26/2019 12:37:38 AM



#64
Tetrachloroethene
Concen: 48.114 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	101.2	151.8
129	85.8	68.8	103.2
131	83.7	65.2	97.8





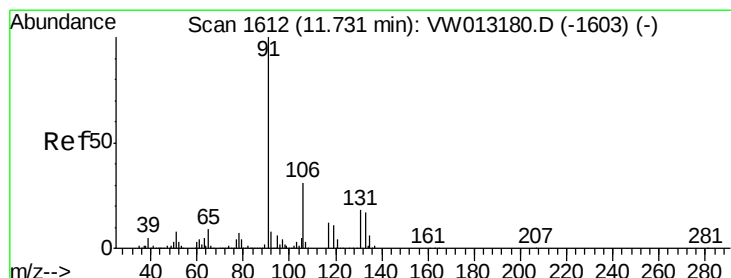
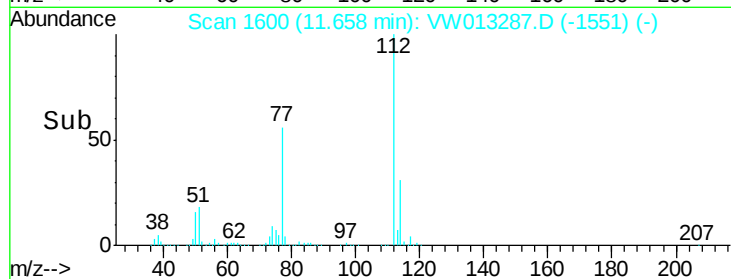
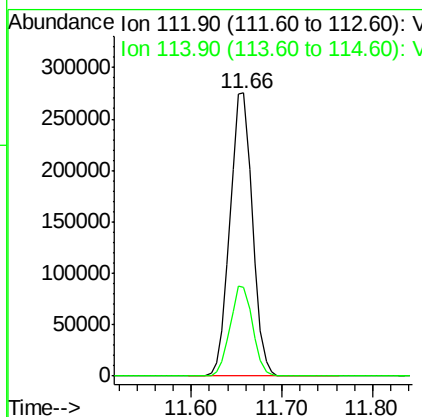
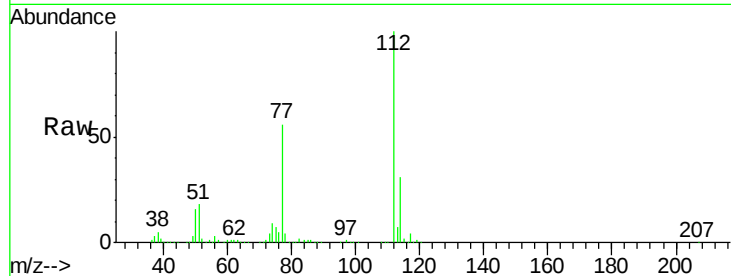
#65
Chlorobenzene
Concen: 48.554 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.5	39.7

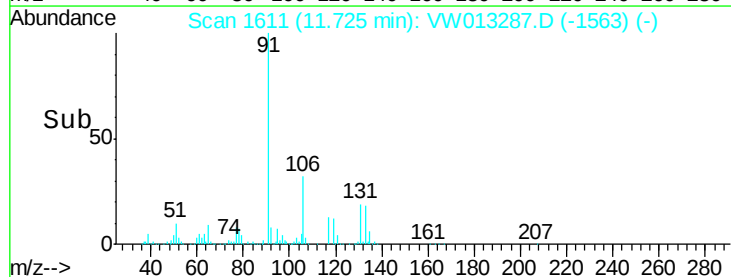
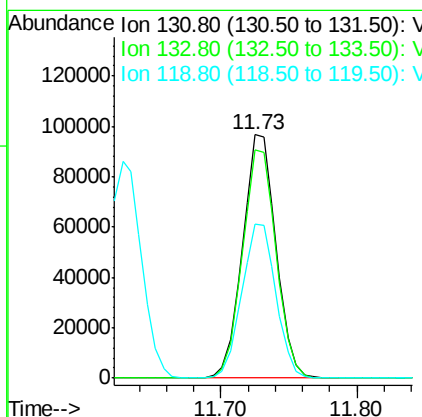
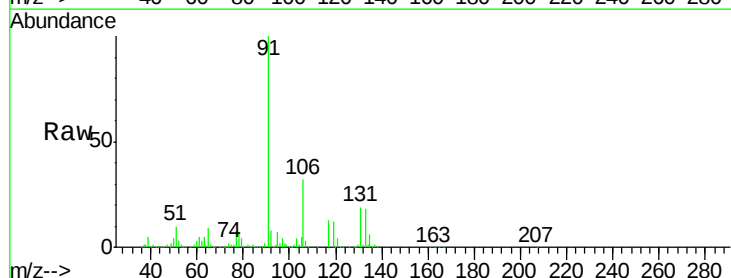
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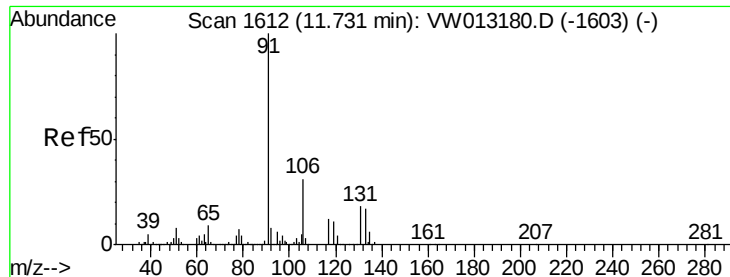
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.638 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.5	142.6
119	64.8	32.5	97.5





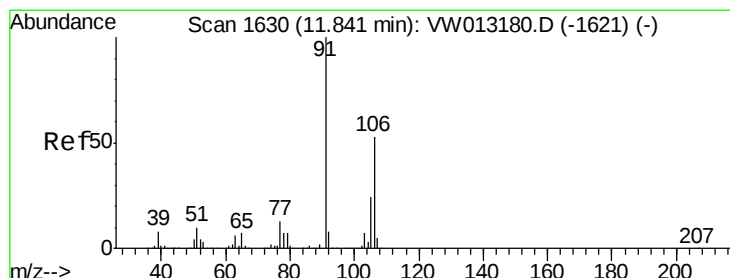
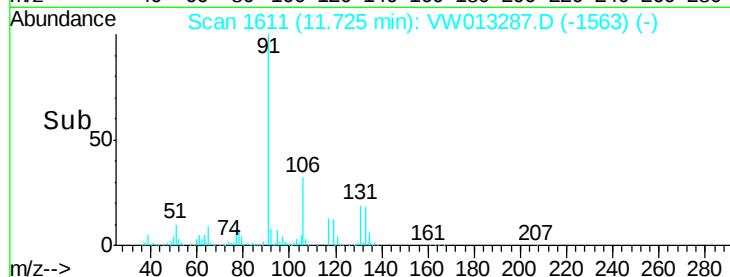
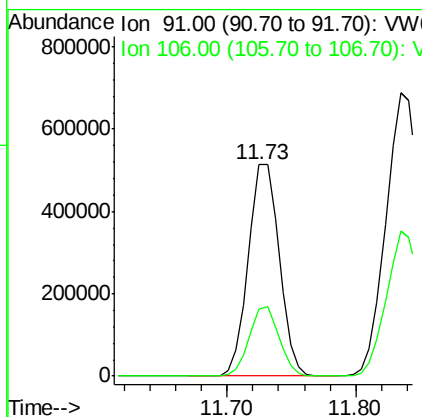
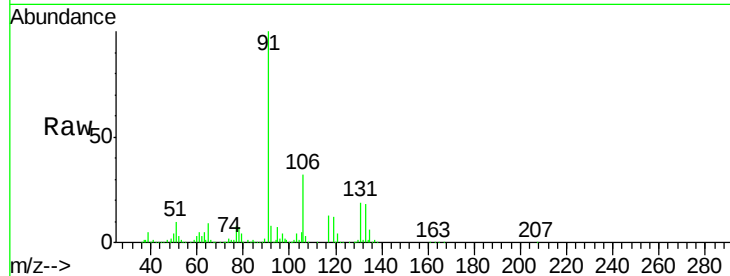
#67
Ethyl Benzene
Concen: 48.410 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.9	37.3

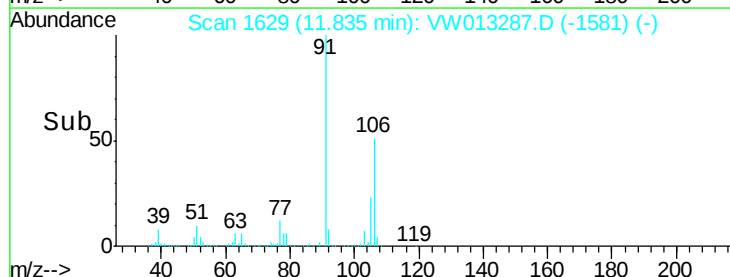
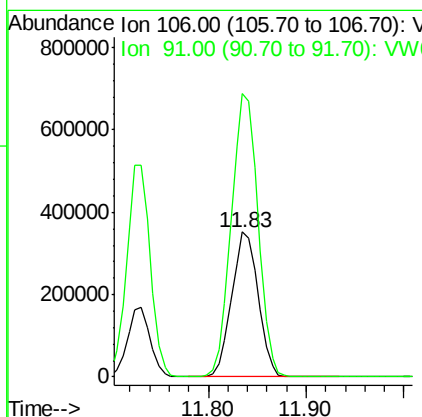
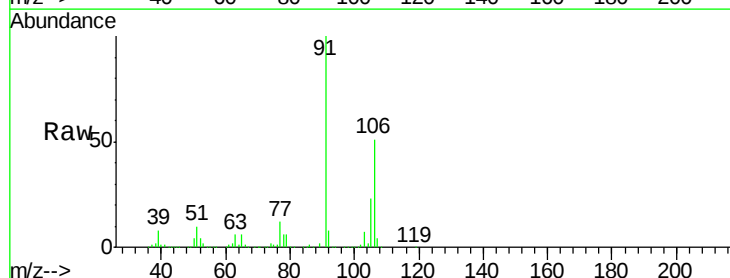
Manual Integrations
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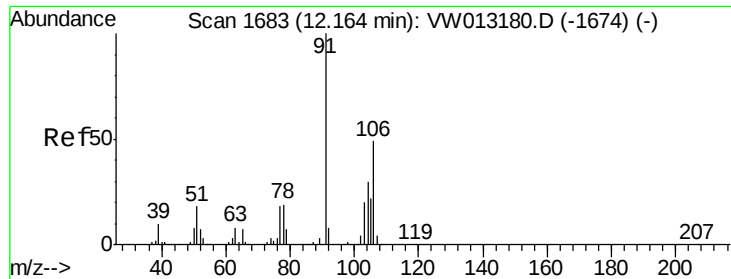
MMDadoda
9/26/2019 12:37:38 AM



#68
m/p-Xylenes
Concen: 97.925 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.4	157.9	236.9





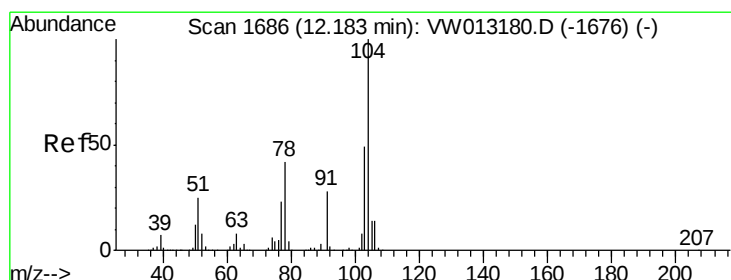
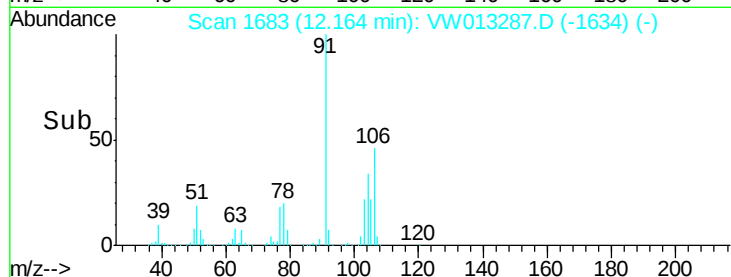
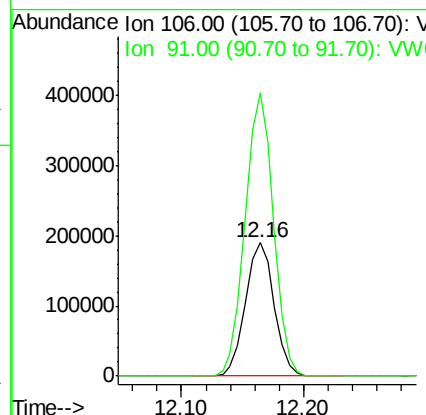
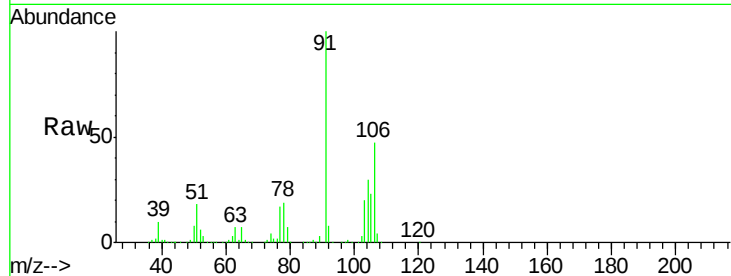
#69
o-Xylene
Concen: 49.138 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.5	106.5	319.5

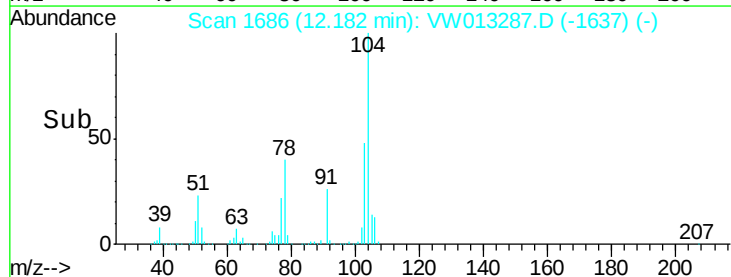
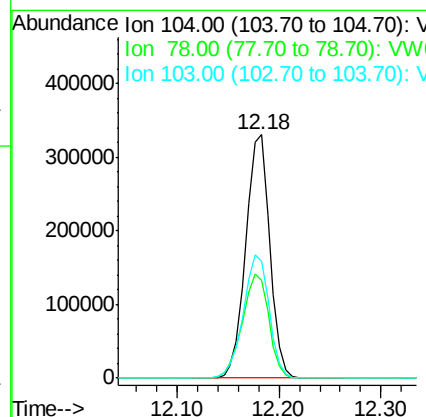
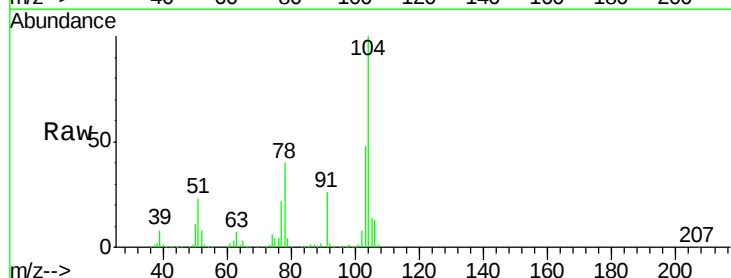
Manual Integrations
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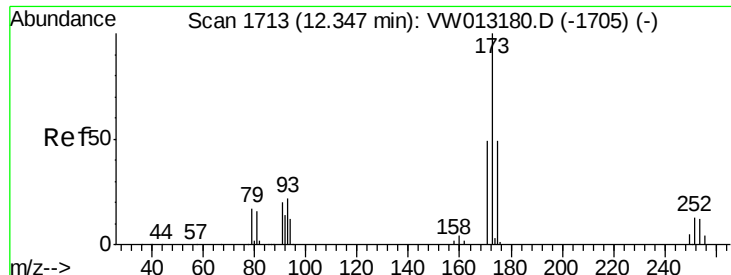
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#70
Styrene
Concen: 50.202 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	38.4	57.6
103	54.5	43.3	64.9





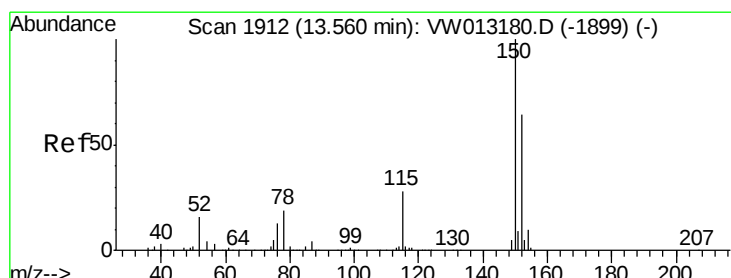
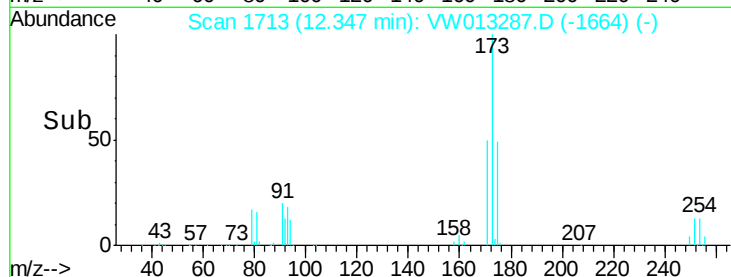
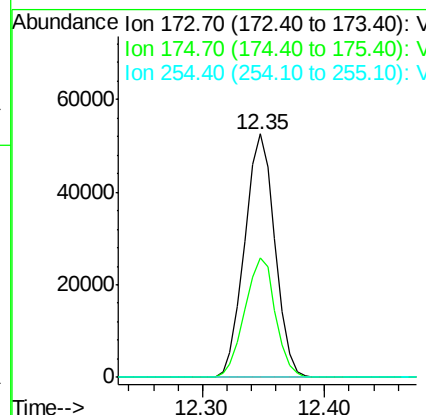
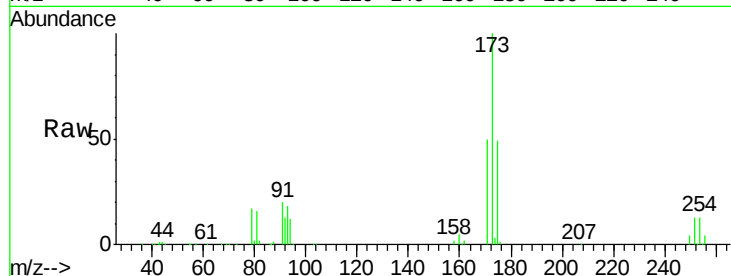
#71
Bromoform
Concen: 51.207 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.3	73.0
254	0.1	0.1	0.1

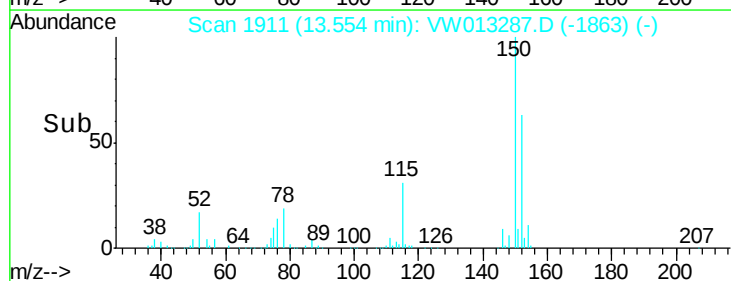
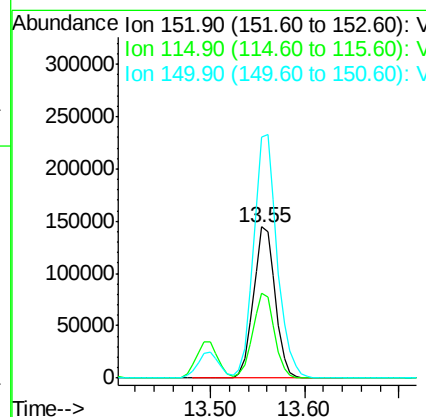
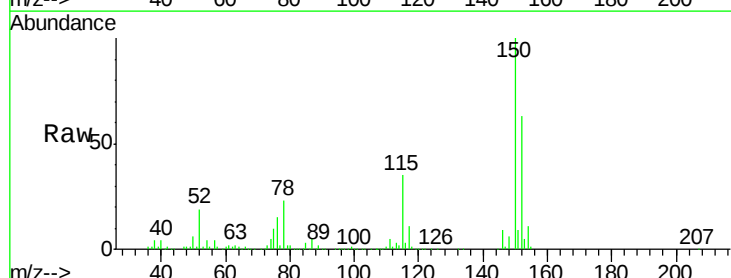
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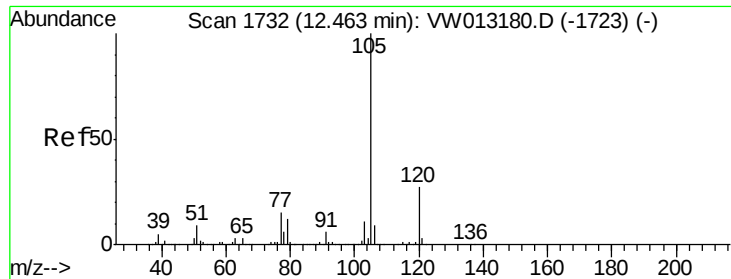
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.3	81.9
150	174.0	0.0	349.0





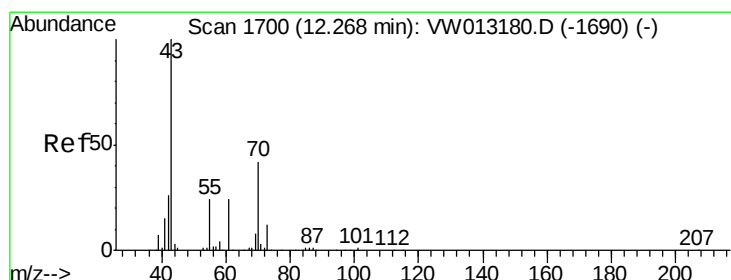
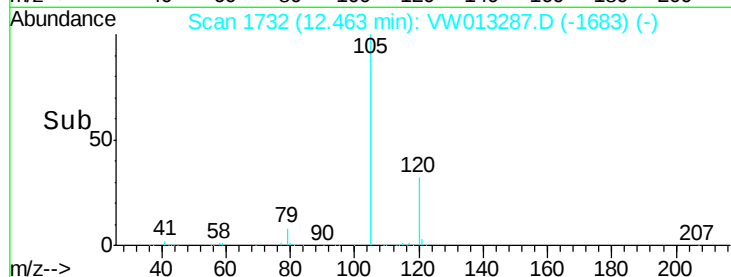
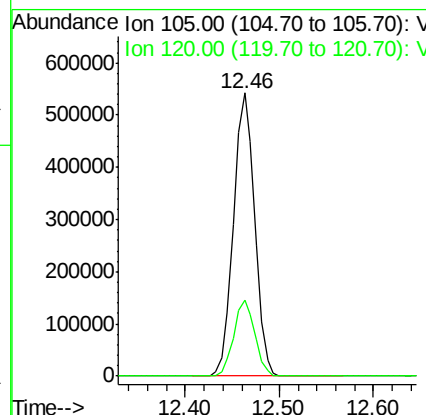
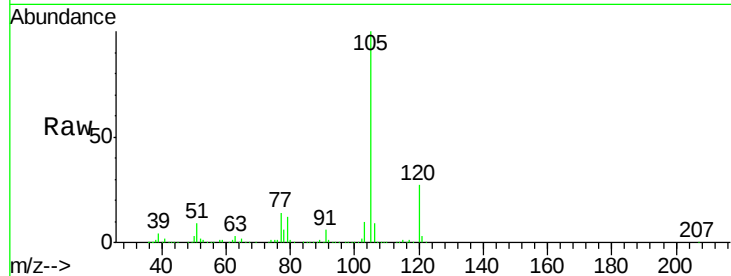
#73
Isopropylbenzene
Concen: 48.962 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	845371		
120	26.7	13.4	40.1	

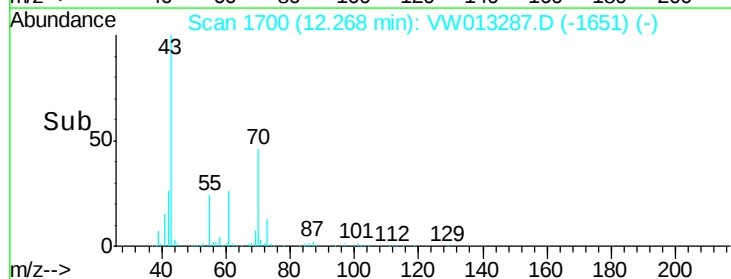
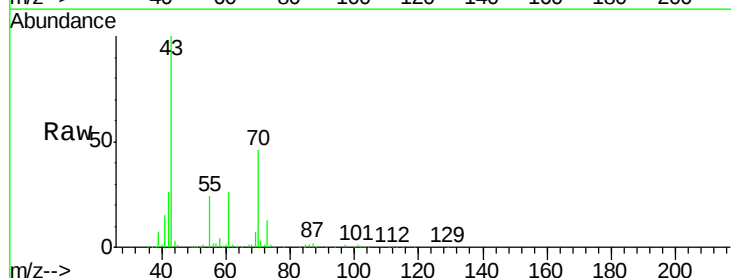
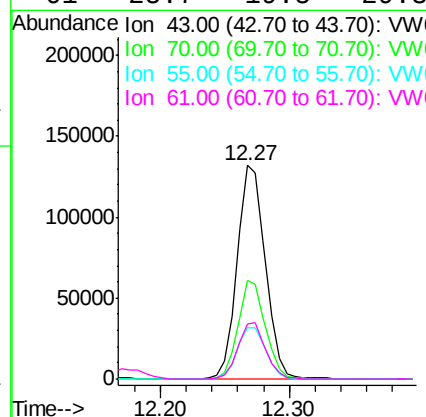
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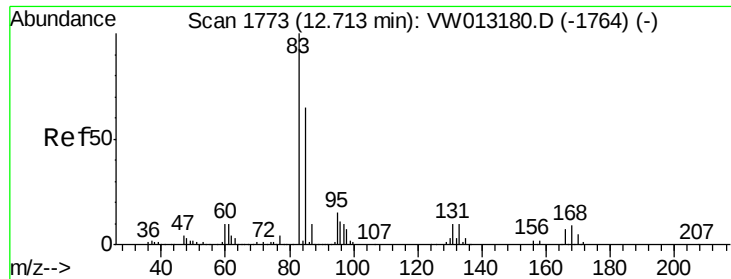
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9/26/2019 12:37:38 AM



#74
N-ethyl acetate
Concen: 52.489 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	201100		
70	44.7	35.1	52.7	
55	24.8	19.9	29.9	
61	25.7	19.5	29.3	





#75

1,1,2,2-Tetrachloroethane

Concen: 51.551 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

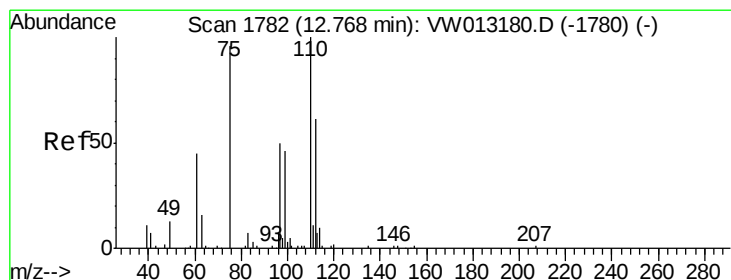
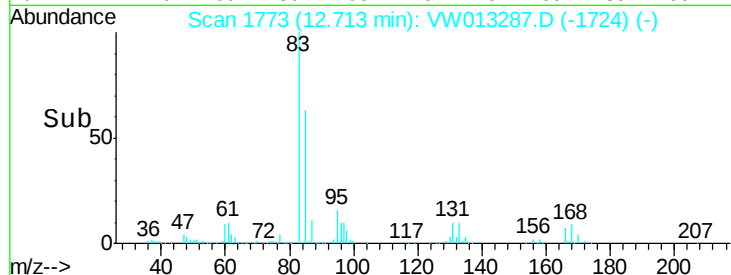
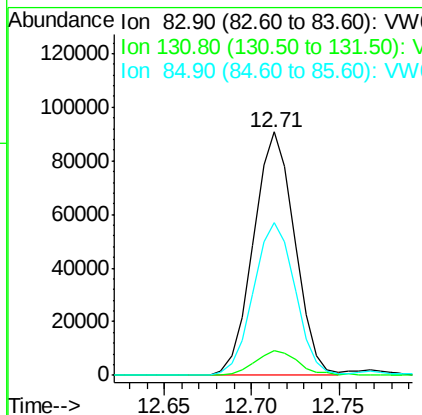
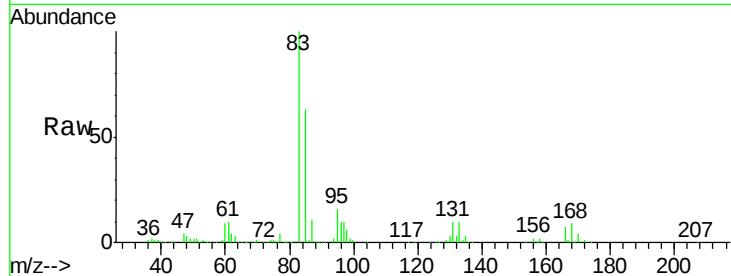
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	148857
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	63.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.287 ug/l m

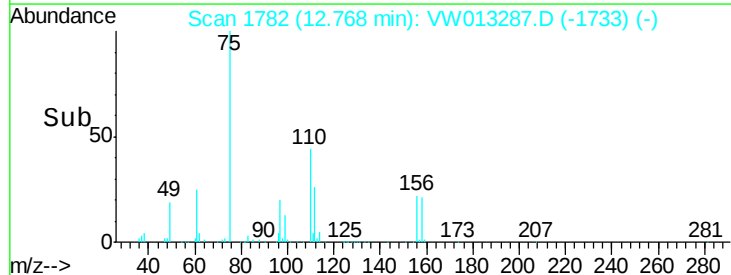
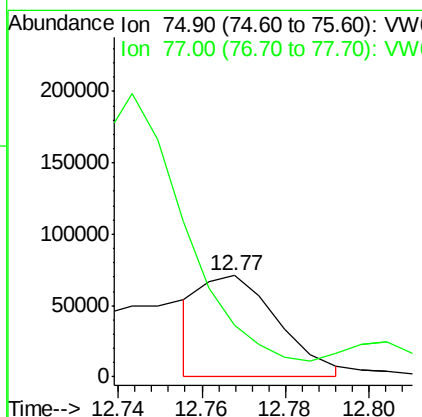
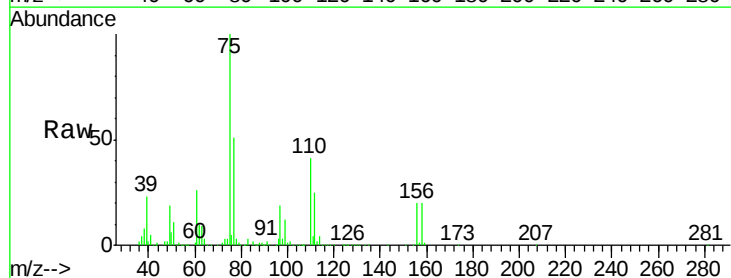
RT: 12.77 min Scan# 1782

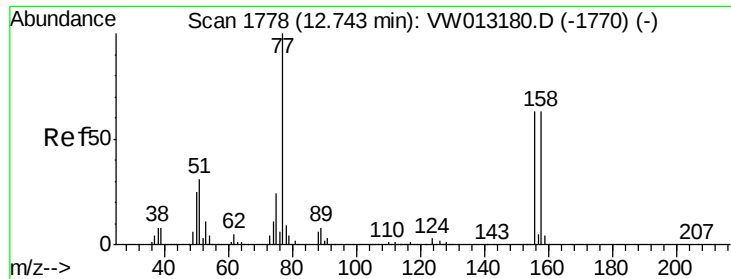
Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Tgt Ion:	75	Resp:	91414
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.082 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

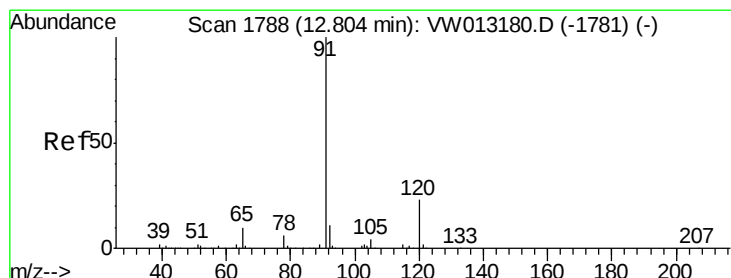
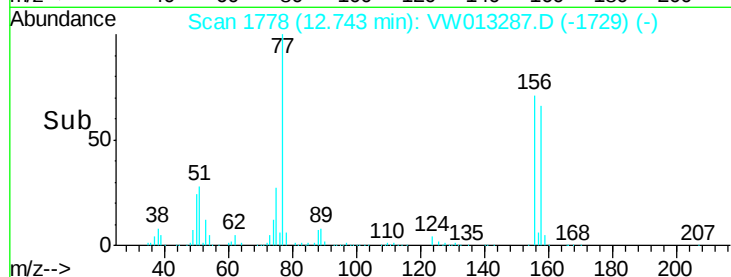
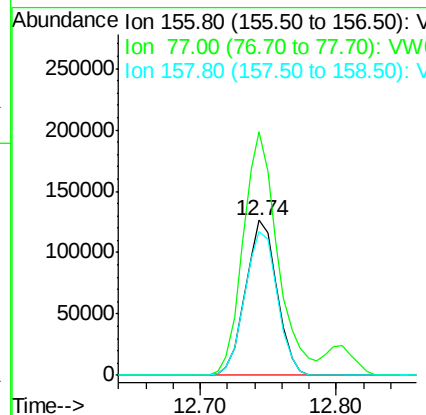
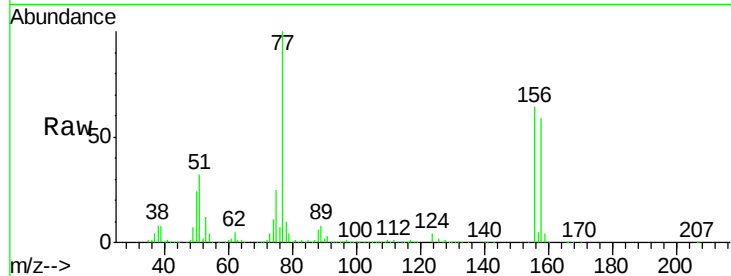
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	204909
Ion Ratio	Lower	Upper	
156	100		
77	172.0	85.7	257.1
158	95.9	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 48.701 ug/l

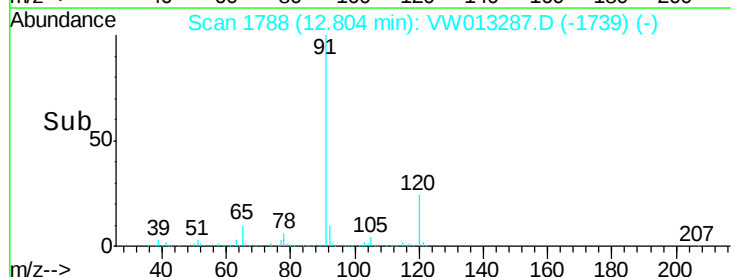
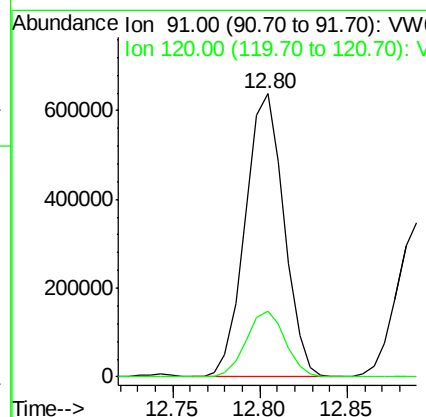
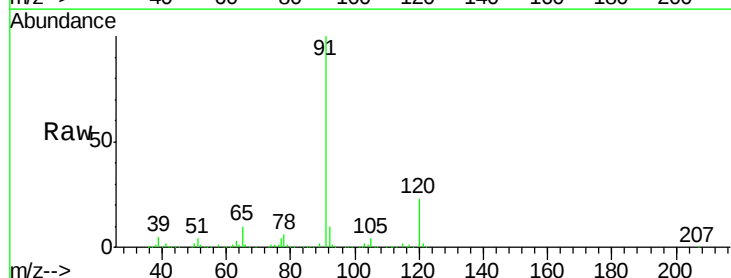
RT: 12.80 min Scan# 1788

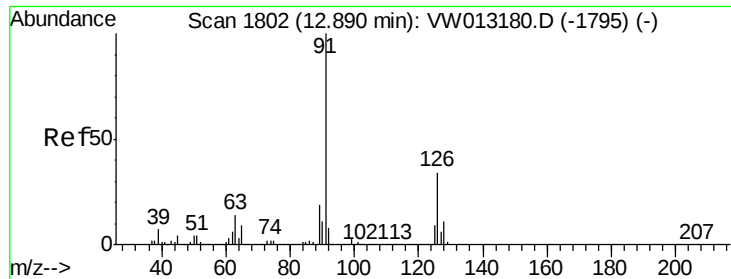
Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Tgt Ion:	91	Resp:	984258
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.7	35.1





#79

2-Chlorotoluene

Concen: 49.177 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 556802

Ion Ratio Lower Upper

91 100

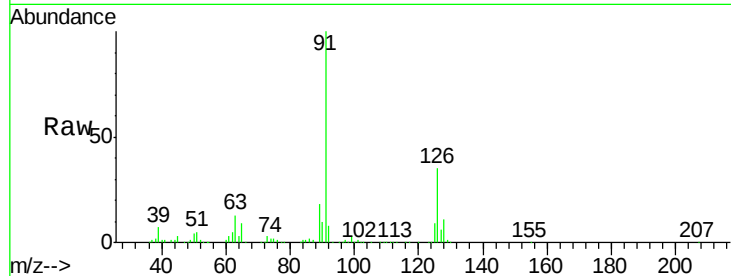
126 34.4 17.2 51.5

Manual Integrations

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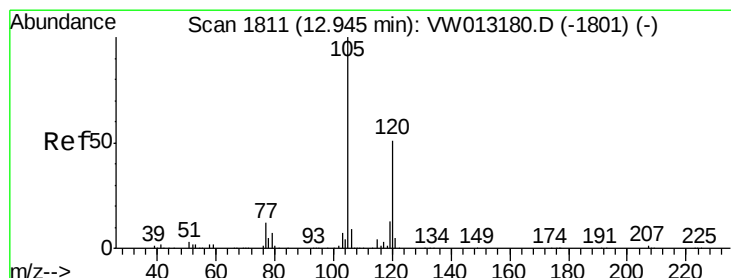
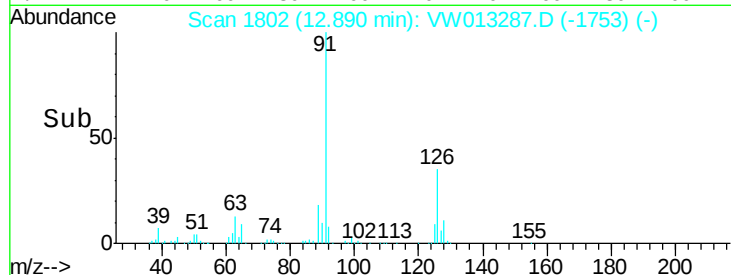
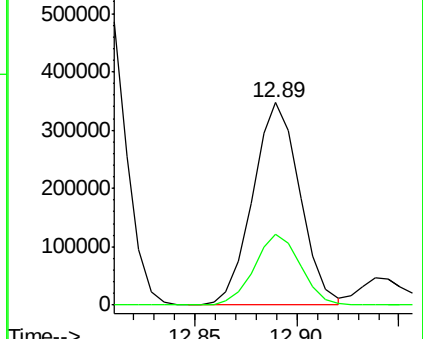
MMDadoda

9/26/2019 12:37:38 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 49.060 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW013287.D

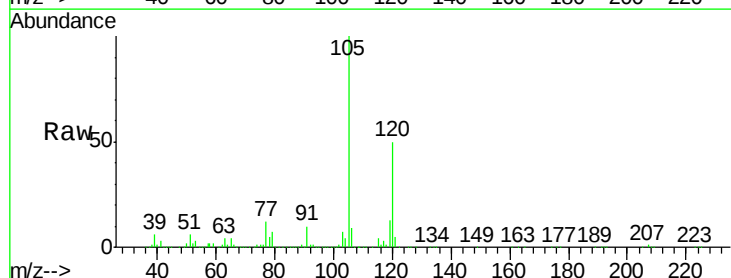
Acq: 24 Sep 2019 19:57

Tgt Ion: 105 Resp: 712031

Ion Ratio Lower Upper

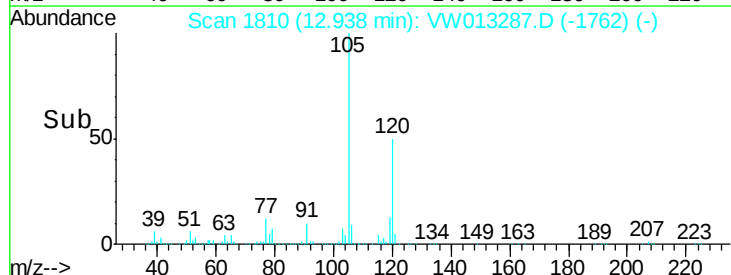
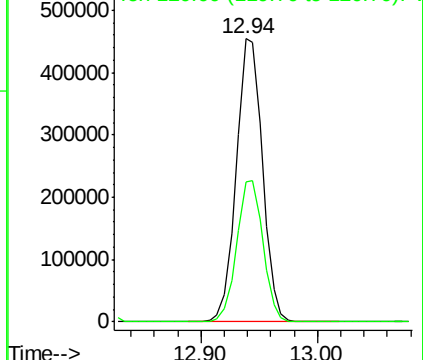
105 100

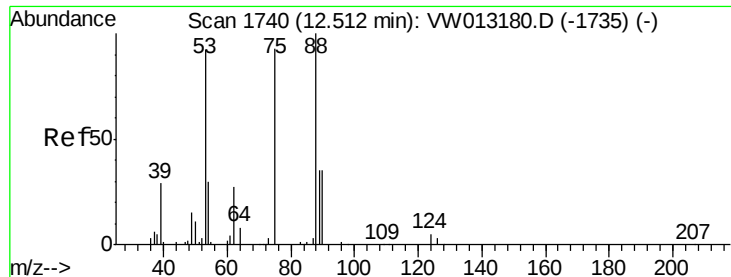
120 50.1 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





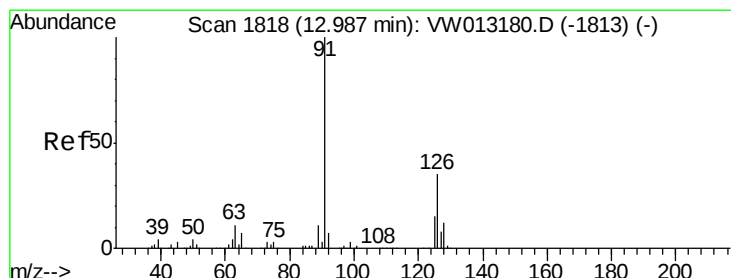
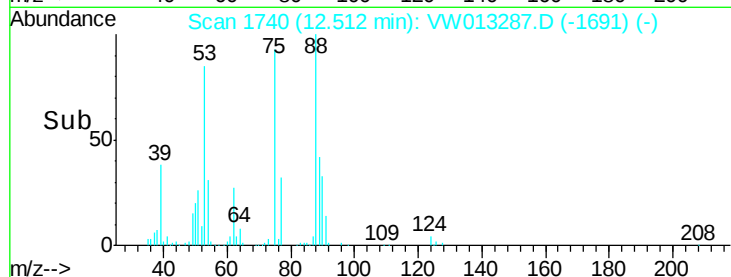
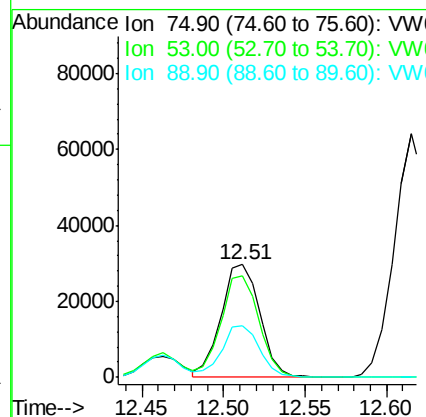
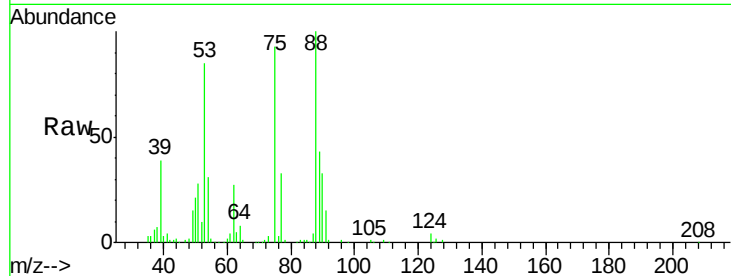
#81
trans-1,4-Dichloro-2-butene
Concen: 53.129 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.8	76.6	114.8
89	45.3	33.5	50.3

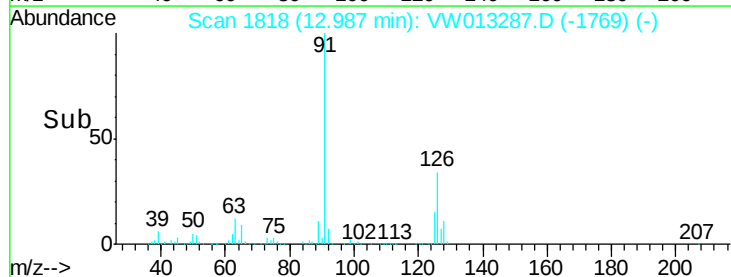
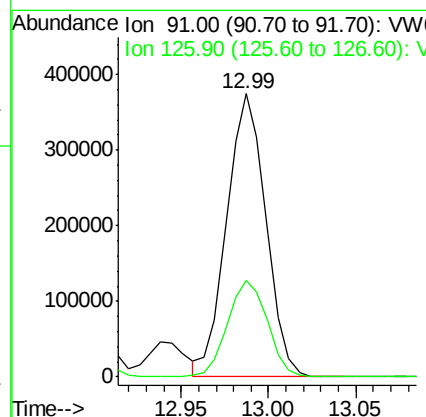
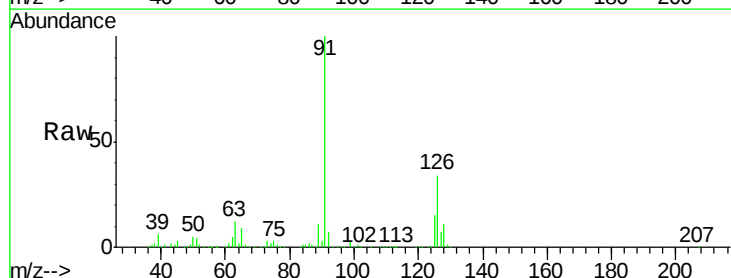
Manual Integrations
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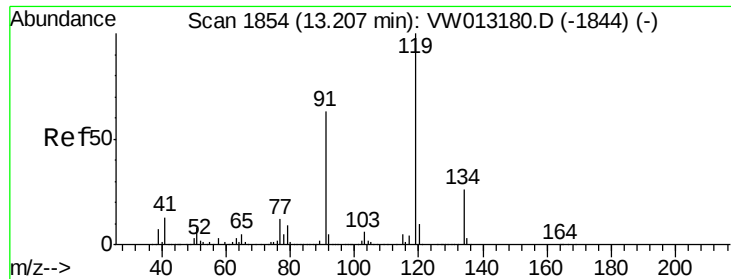
MMDadoda
9/26/2019 12:37:38 AM



#82
4-Chlorotoluene
Concen: 48.677 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.3	51.7





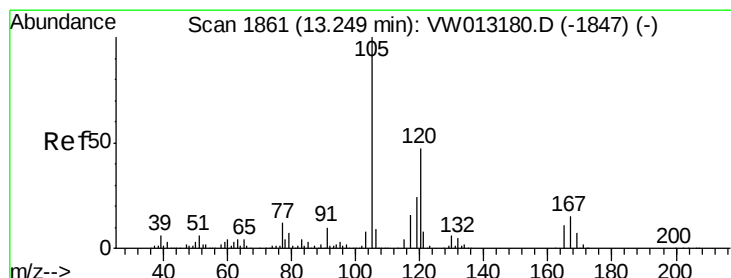
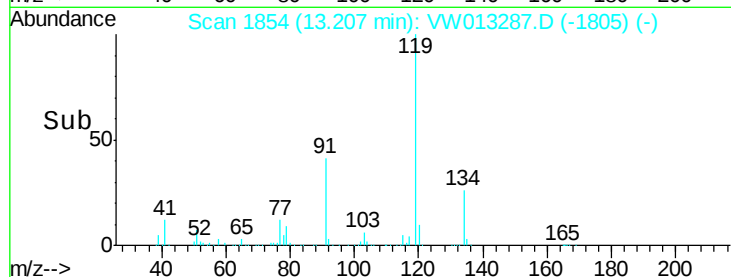
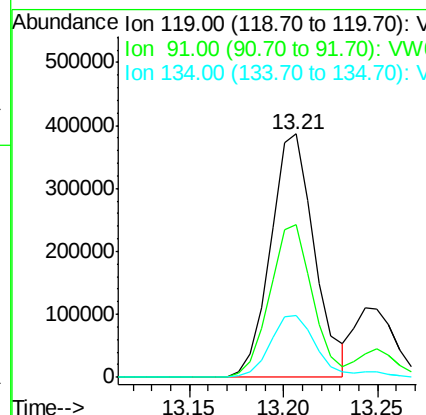
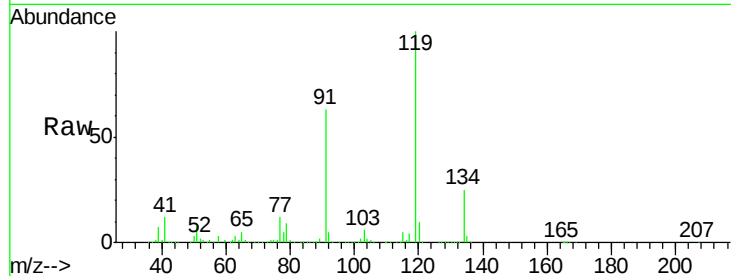
#83
tert-Butylbenzene
Concen: 48.935 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.7	92.1
134	27.7	12.6	37.6

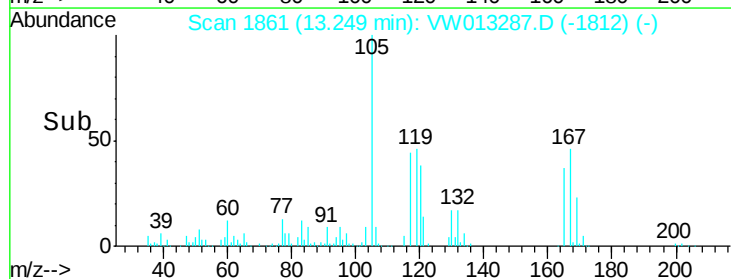
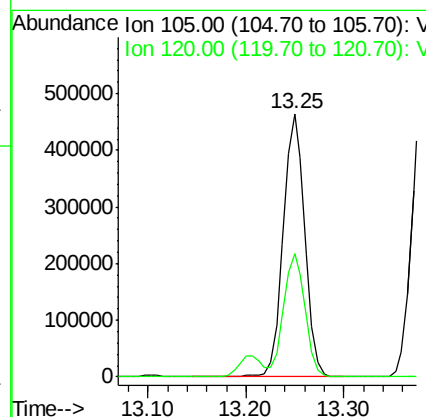
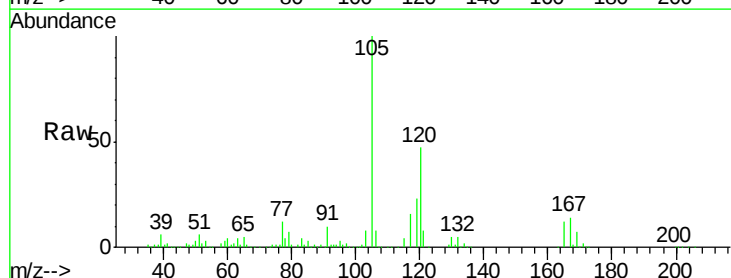
Manual Integrations
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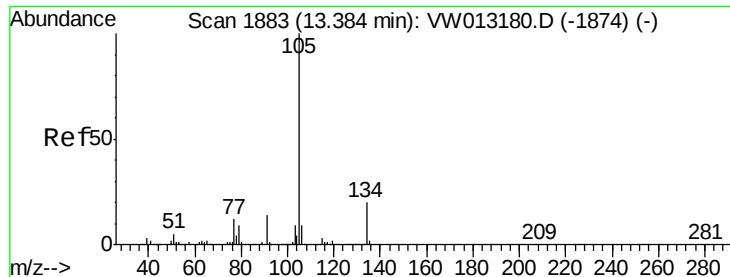
MMDadoda
9/26/2019 12:37:38 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.402 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.197 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 846469

Ion Ratio Lower Upper

105 100

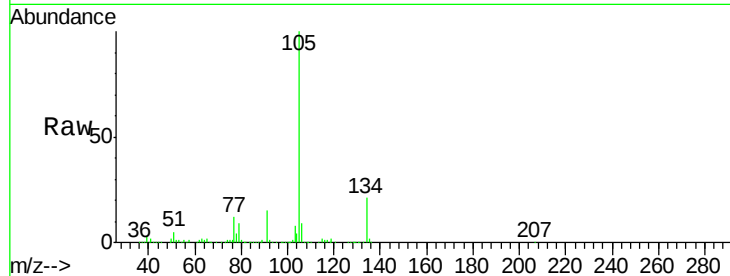
134 21.1 10.3 30.8

Manual Integrations

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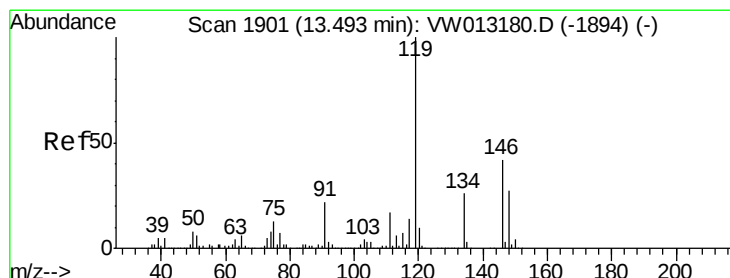
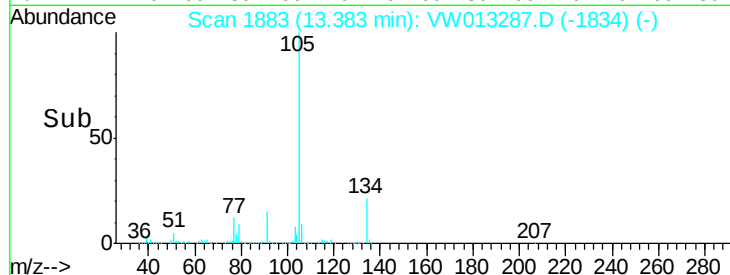
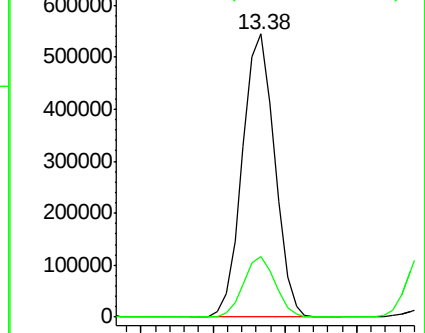
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.614 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW013287.D

Acq: 24 Sep 2019 19:57

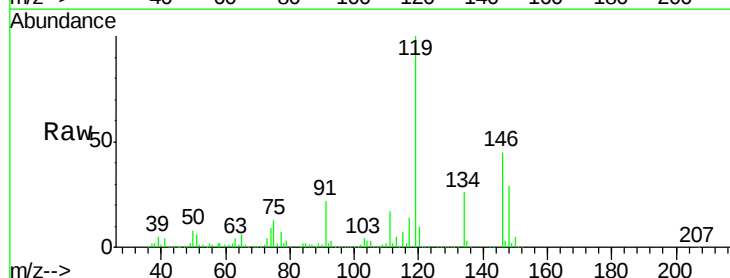
Tgt Ion:119 Resp: 791899

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

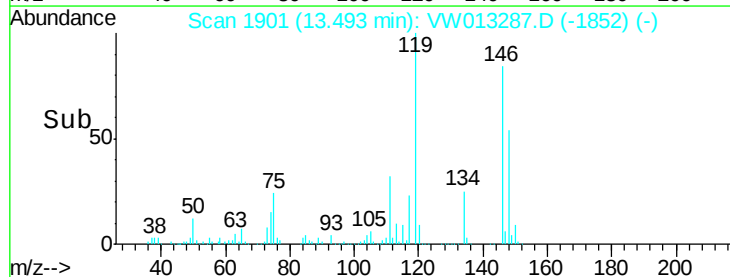
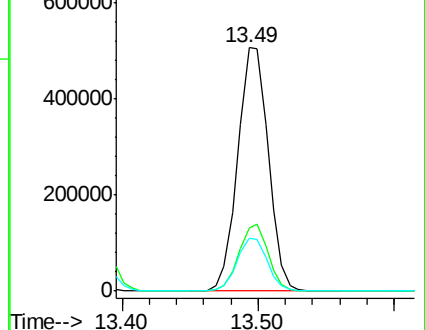
91 21.4 10.8 32.4

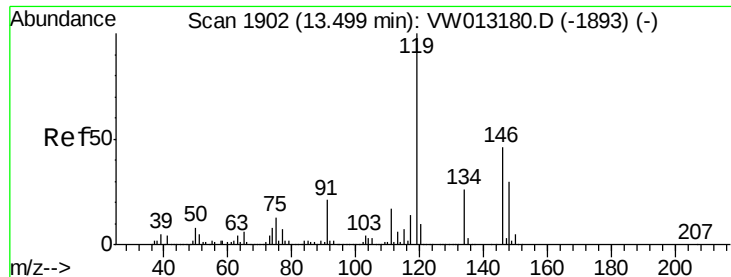


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





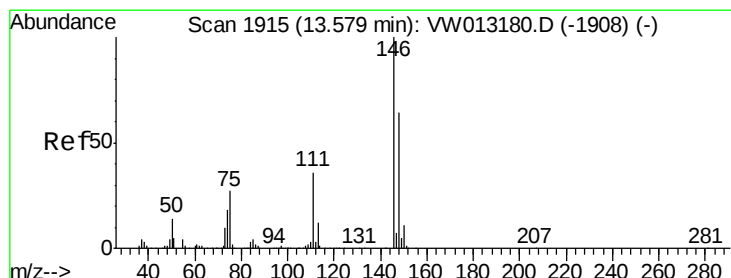
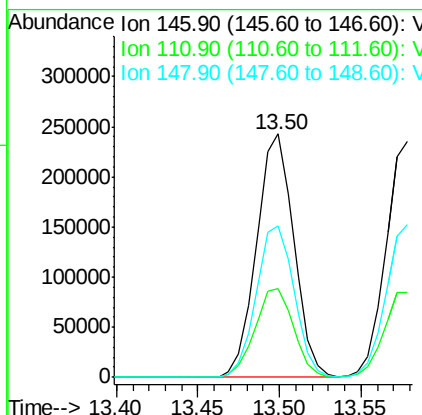
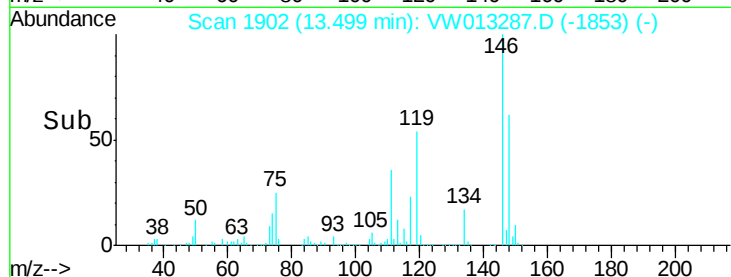
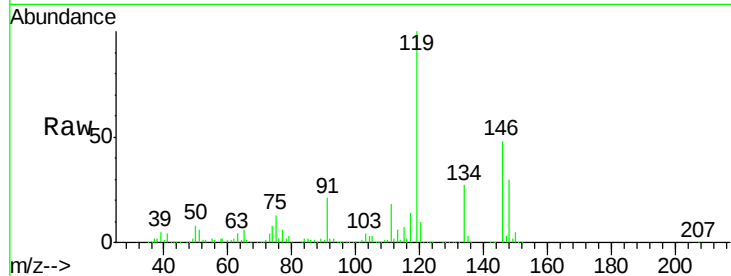
#87
 1,3-Dichlorobenzene
 Concen: 49.216 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.9
148	63.3	31.9	95.5

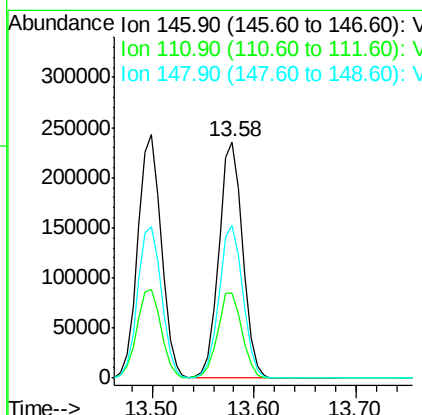
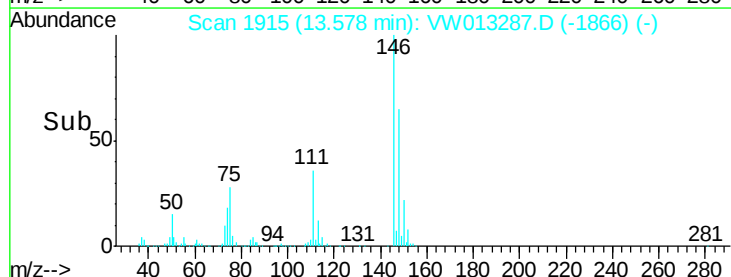
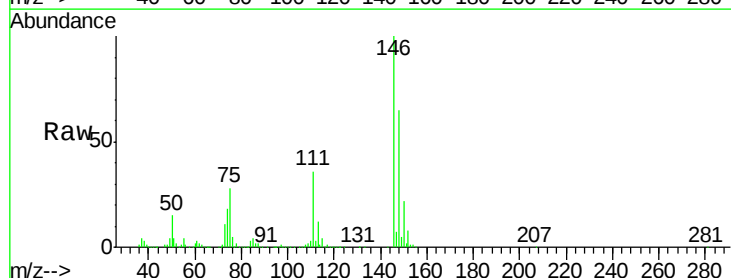
Manual Integrations
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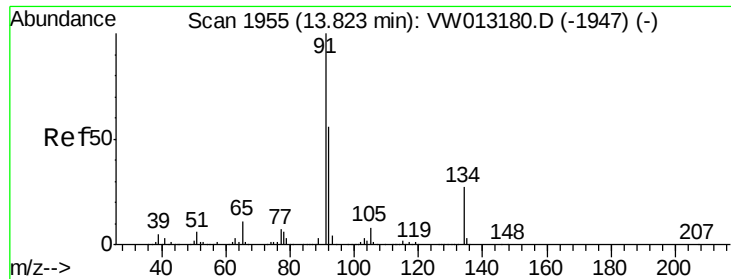
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 9/26/2019 12:37:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.471 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.4	55.0
148	65.1	32.1	96.3





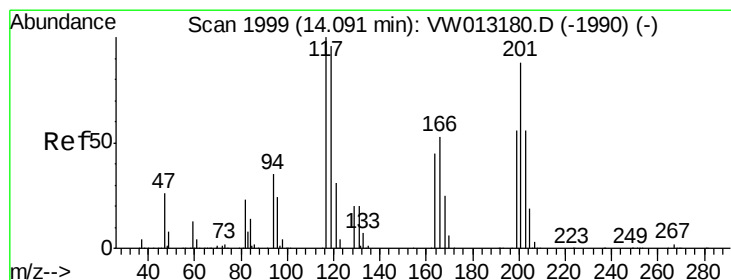
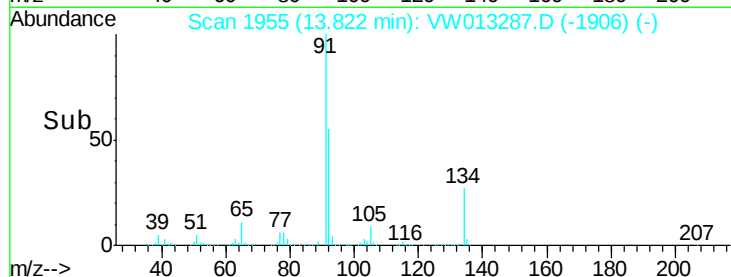
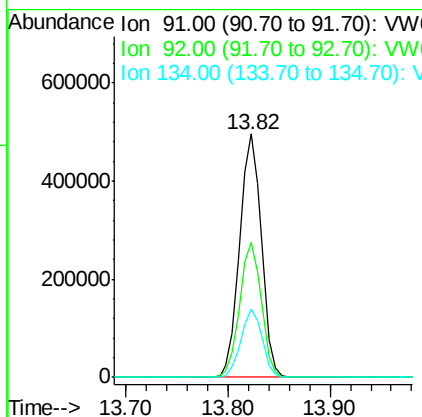
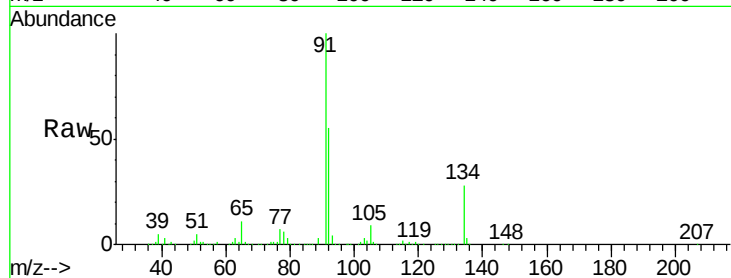
#89
n-Butylbenzene
Concen: 48.848 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.6	82.8
134	27.5	13.7	41.1

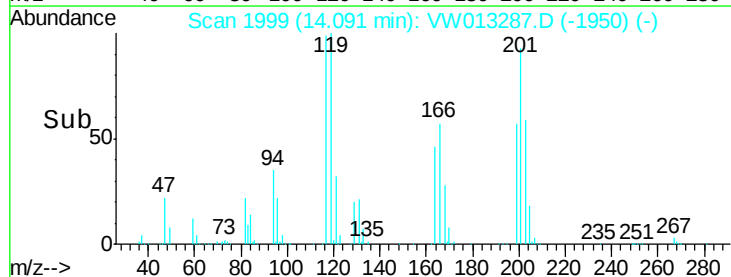
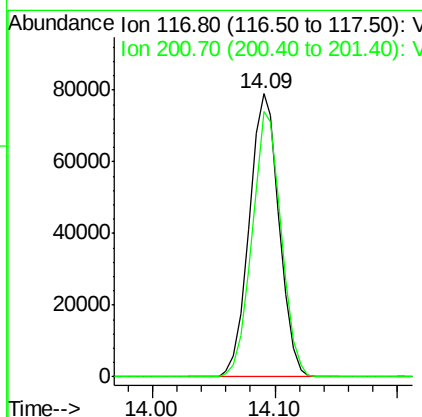
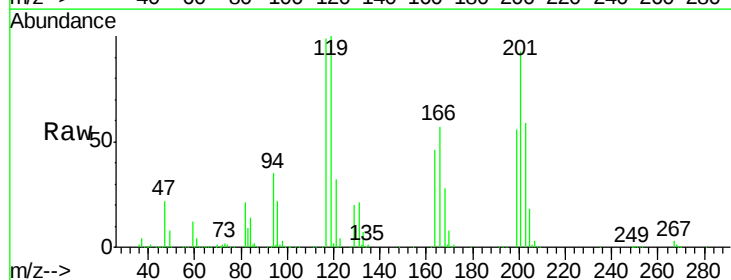
Manual Integrations
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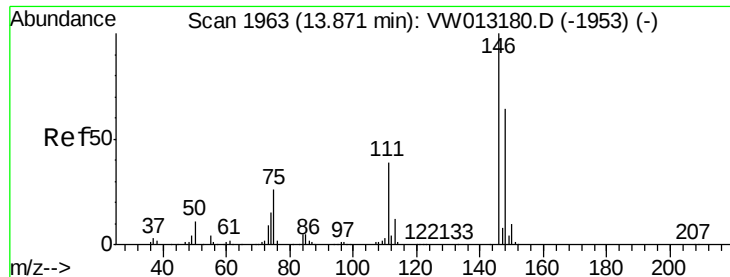
MMDadoda
9/26/2019 12:37:38 AM



#90
Hexachloroethane
Concen: 49.072 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	44.5	133.5





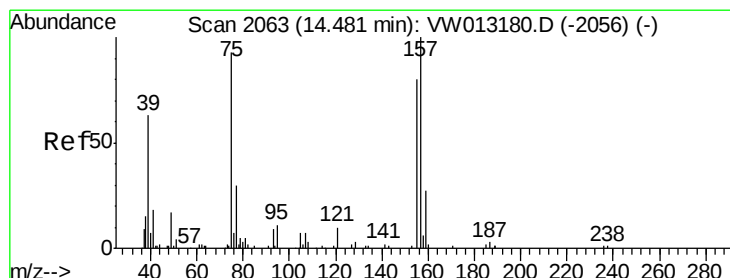
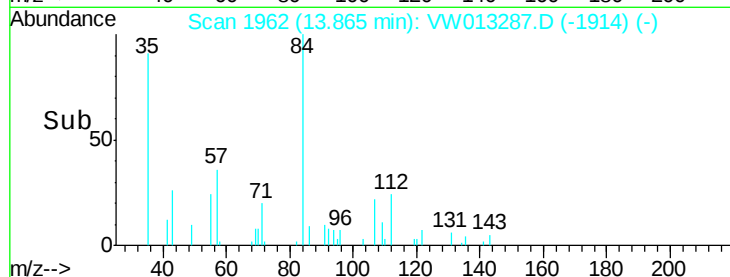
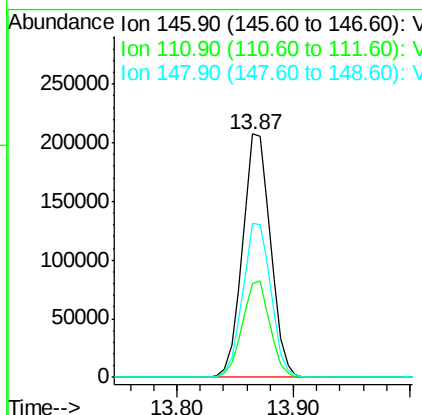
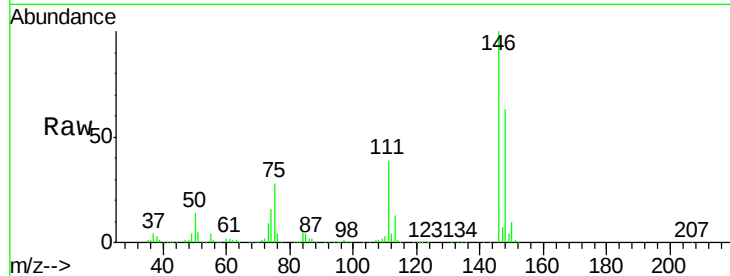
#91
 1,2-Dichlorobenzene
 Concen: 51.135 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.1	60.3
148	63.7	32.0	96.0

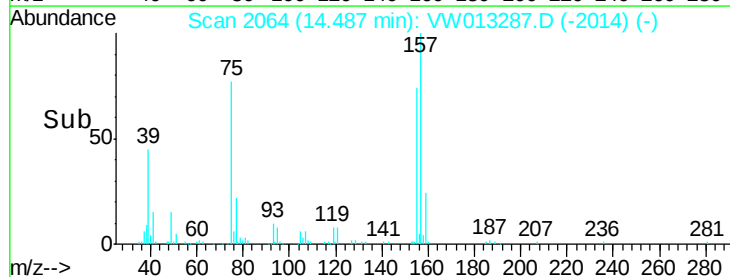
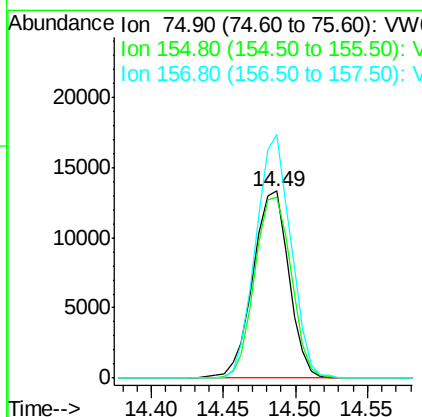
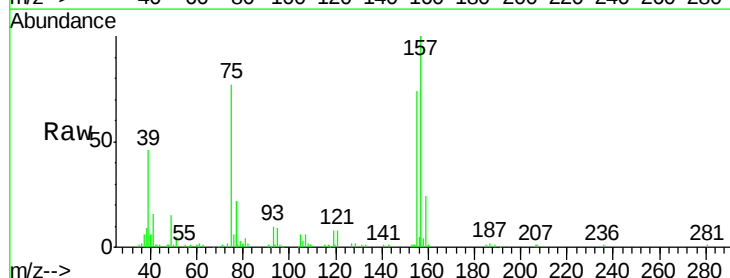
Manual Integrations
 APPROVED

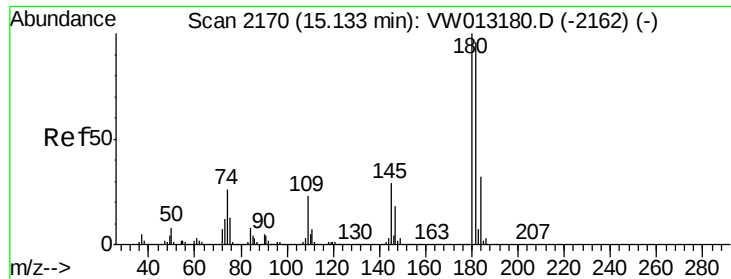
MMDadoda
 9/26/2019 12:37:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.026 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	46.1	138.3
157	126.7	60.4	181.2





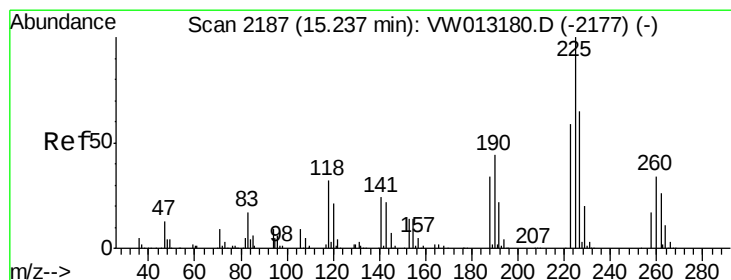
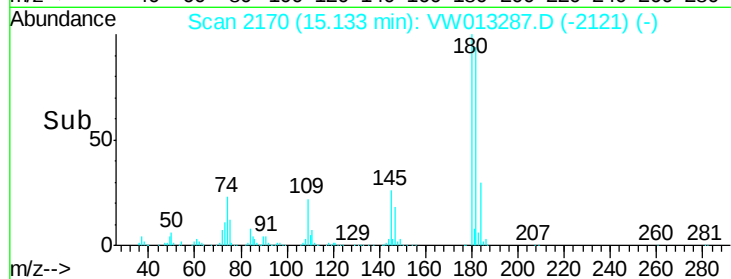
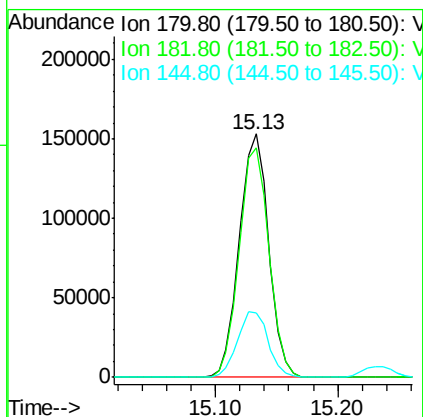
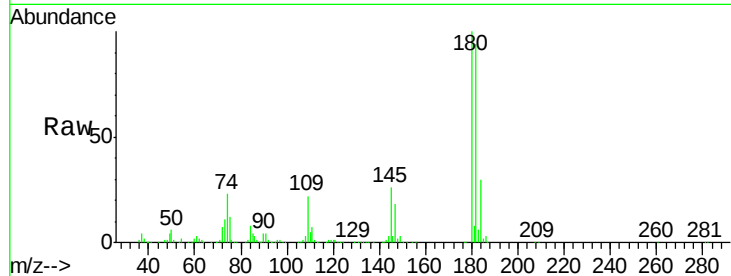
#93
 1,2,4-Trichlorobenzene
 Concen: 52.146 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	254554		
182	95.7	47.3	142.0	
145	28.1	14.2	42.8	

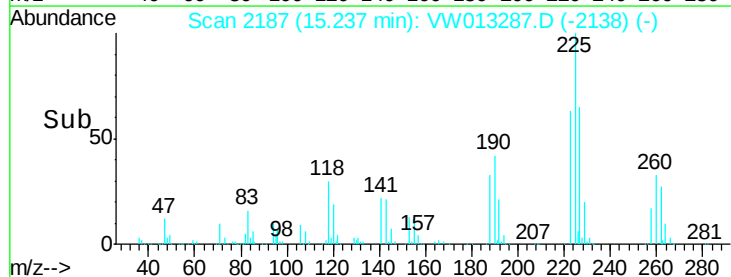
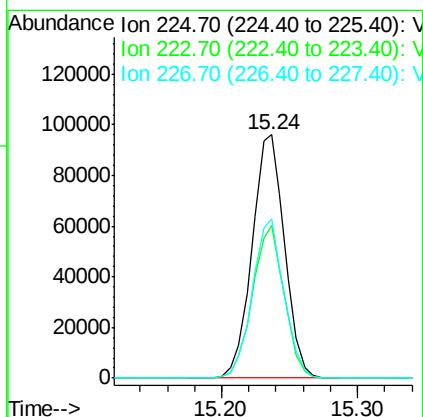
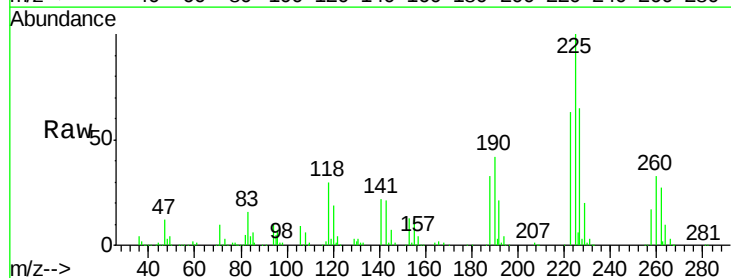
Manual Integrations
 APPROVED

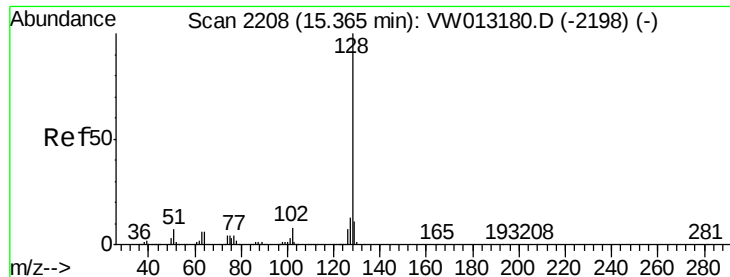
MMDadoda
 9/26/2019 12:37:38 AM



#94
 Hexachlorobutadiene
 Concen: 48.037 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW013287.D
 Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	160428		
223	61.4	30.6	91.8	
227	64.0	31.9	95.9	





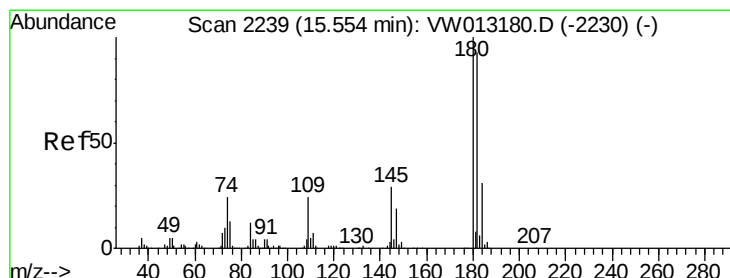
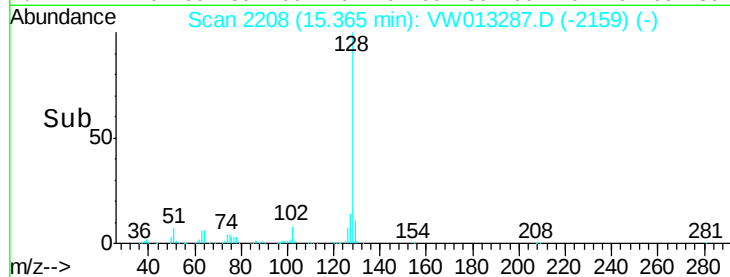
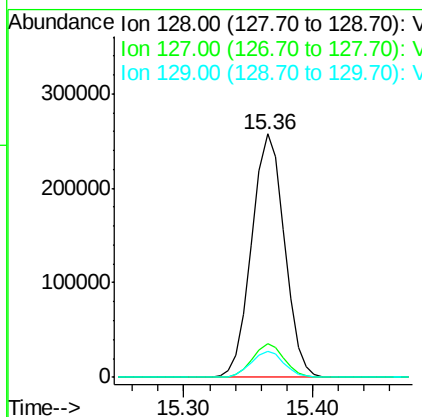
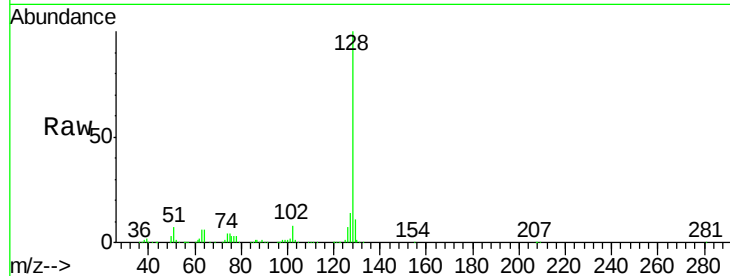
#95
Naphthalene
Concen: 56.639 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/26/2019 12:37:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.747 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013287.D
Acq: 24 Sep 2019 19:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.9	143.7
145	30.0	15.0	45.0

