

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060419\
 Data File : VW010677.D
 Acq On : 04 Jun 2019 15:41
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 3:05:02 PM

Quant Time: Jun 05 03:19:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 02:25:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	273559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	447978	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	183960	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	159939	49.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.20%	
35) Dibromofluoromethane	7.88	113	126645	52.08	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.16%	
50) Toluene-d8	10.32	98	529720	49.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.62	95	191308	49.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	108926	43.088	ug/l	100
3) Chloromethane	2.21	50	164495	44.227	ug/l	100
4) Vinyl Chloride	2.35	62	154972	45.098	ug/l	100
5) Bromomethane	2.76	94	83096	44.035	ug/l	100
6) Chloroethane	2.91	64	97257	47.152	ug/l	100
7) Trichlorofluoromethane	3.25	101	209286	46.918	ug/l	100
8) Diethyl Ether	3.68	74	75079	47.098	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	130769	47.683	ug/l	100
10) Methyl Iodide	4.27	142	128201	52.934	ug/l	100
11) Tert butyl alcohol	5.17	59	58758	223.686	ug/l	100
12) 1,1-Dichloroethene	4.03	96	124637	47.113	ug/l	100
13) Acrolein	3.90	56	27430	255.543	ug/l	100
14) Allyl chloride	4.67	41	279536	47.922	ug/l	100
15) Acrylonitrile	5.37	53	177000	228.553	ug/l	100
16) Acetone	4.12	43	214284	248.025	ug/l	100
17) Carbon Disulfide	4.37	76	389746	46.409	ug/l	100
18) Methyl Acetate	4.67	43	81703	43.932	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	360128	47.199	ug/l	100
20) Methylene Chloride	4.92	84	138501	45.697	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	144466	48.104	ug/l	100
22) Diisopropyl ether	6.31	45	560272	47.976	ug/l	100
23) Vinyl Acetate	6.25	43	1703807	241.753	ug/l	100
24) 1,1-Dichloroethane	6.21	63	276917	47.317	ug/l	100
25) 2-Butanone	7.17	43	289536	241.683	ug/l	100
26) 2,2-Dichloropropane	7.17	77	226558	47.573	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	157437	47.636	ug/l	100
28) Bromochloromethane	7.51	49	128021	49.017	ug/l	100
29) Tetrahydrofuran	7.53	42	171439	227.513	ug/l	100
30) Chloroform	7.68	83	253132	47.288	ug/l	100
31) Cyclohexane	7.95	56	293163	45.063	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	222685	47.622	ug/l	100
36) 1,1-Dichloropropene	8.08	75	217978	47.536	ug/l	100
37) Ethyl Acetate	7.25	43	117278	46.153	ug/l	100
38) Carbon Tetrachloride	8.07	117	192977	48.750	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	280283	48.082	ug/l	100
40) Benzene	8.32	78	594146	47.495	ug/l	100
41) Methacrylonitrile	7.48	41	70596	46.740	ug/l	100
42) 1,2-Dichloroethane	8.40	62	188338	47.436	ug/l	100
43) Isopropyl Acetate	8.43	43	230523	46.958	ug/l	100
44) Trichloroethene	9.09	130	146234	47.389	ug/l	100
45) 1,2-Dichloropropane	9.37	63	158624	47.901	ug/l	100
46) Dibromomethane	9.46	93	73067	47.505	ug/l	100
47) Bromodichloromethane	9.65	83	192083	48.177	ug/l	100
48) Methyl methacrylate	9.44	41	113066	47.769	ug/l	100
49) 1,4-Dioxane	9.45	88	21259	884.045	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	583012	232.466	ug/l	100
52) Toluene	10.39	92	370018	48.073	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	205058	48.557	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	240779	48.454	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	105967	47.824	ug/l	100
56) Ethyl methacrylate	10.65	69	163234	47.876	ug/l	100
57) 1,3-Dichloropropane	10.93	76	197618	47.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	399501	223.707	ug/l	100
59) 2-Hexanone	10.97	43	430188	237.339	ug/l	100
60) Dibromochloromethane	11.13	129	118992	48.444	ug/l	100
61) 1,2-Dibromoethane	11.24	107	99728	47.504	ug/l	100
64) Tetrachloroethene	10.86	164	127072	48.608	ug/l	100
65) Chlorobenzene	11.66	112	372555	48.116	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	131517	49.068	ug/l	100
67) Ethyl Benzene	11.73	91	712932	47.910	ug/l	100
68) m/p-Xylenes	11.84	106	511348	95.995	ug/l	100
69) o-Xylene	12.17	106	243298	48.158	ug/l	100
70) Styrene	12.18	104	424411	48.360	ug/l	100
71) Bromoform	12.35	173	67360	48.593	ug/l #	100
73) Isopropylbenzene	12.47	105	677275	48.993	ug/l	100
74) N-amyl acetate	12.27	43	214899	48.101	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	126284	47.986	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	91256m	34.627	ug/l	
77) Bromobenzene	12.75	156	147763	48.968	ug/l	100
78) n-propylbenzene	12.80	91	818187	49.085	ug/l	100
79) 2-Chlorotoluene	12.90	91	464270	48.752	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	552922	48.866	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	41627	49.524	ug/l	100
82) 4-Chlorotoluene	12.99	91	476420	48.478	ug/l	100
83) tert-Butylbenzene	13.21	119	469890	48.932	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	554333	48.684	ug/l	100
85) sec-Butylbenzene	13.38	105	685622	49.038	ug/l	100
86) p-Isopropyltoluene	13.50	119	610791	48.851	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	286352	49.208	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	276687	47.961	ug/l	100
89) n-Butylbenzene	13.83	91	614699	49.275	ug/l	100
90) Hexachloroethane	14.10	117	112320	50.163	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	250890	47.942	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21238	46.995	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	182242	49.625	ug/l	100
94) Hexachlorobutadiene	15.24	225	112631	48.868	ug/l	100
95) Naphthalene	15.37	128	329558	49.392	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	155347	49.740	ug/l	100

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

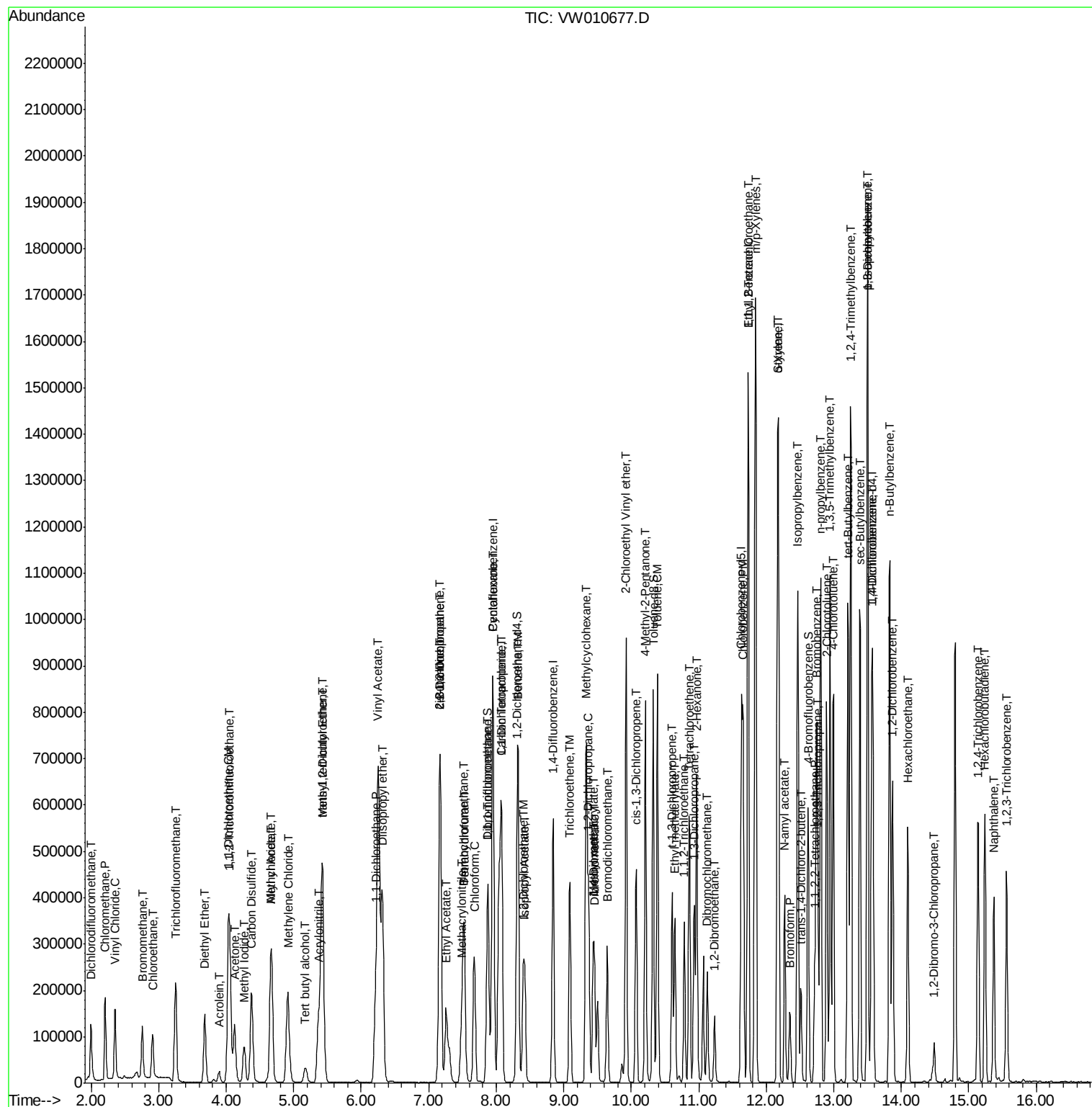
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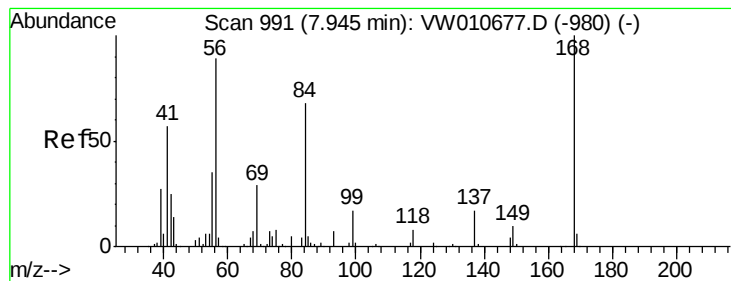
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 273559

Ion Ratio Lower Upper

168 100

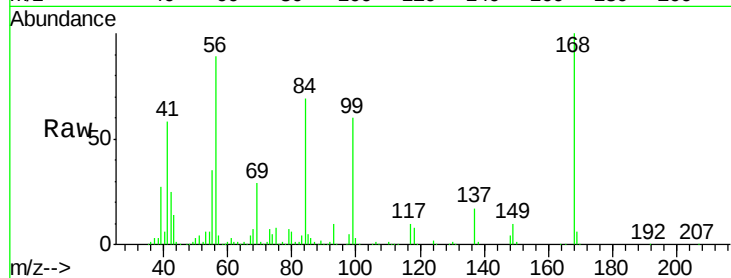
99 59.6 47.7 71.5

Manual Integrations

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6/5/2019 3:05:02 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

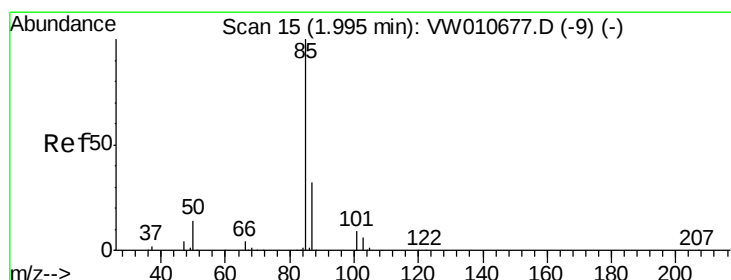
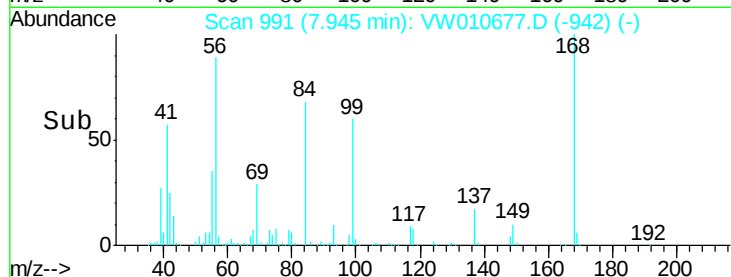
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 43.088 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW010677.D

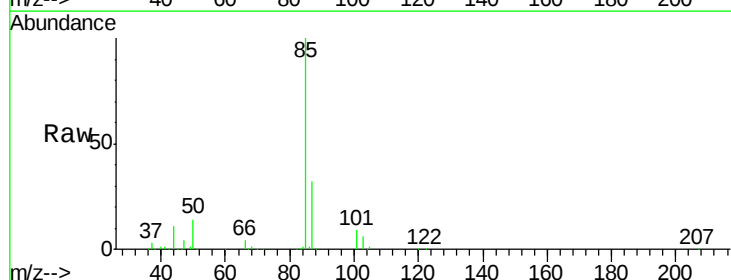
Acq: 04 Jun 2019 15:41

Tgt Ion: 85 Resp: 108926

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

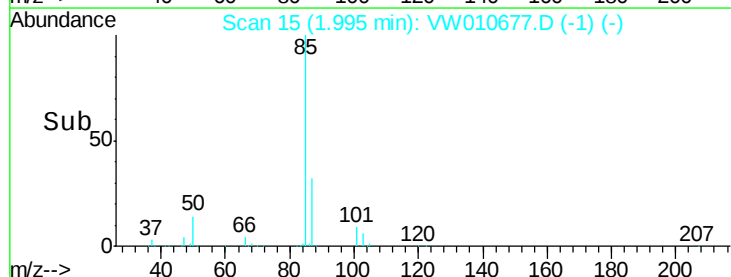
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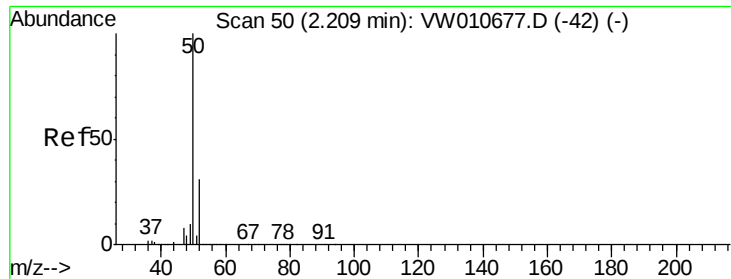
40000

20000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 44.227 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 164495

Ion Ratio Lower Upper

50 100

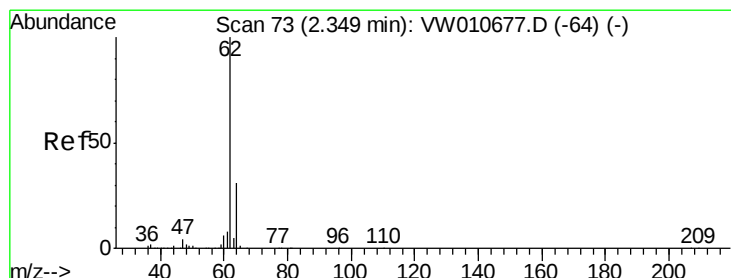
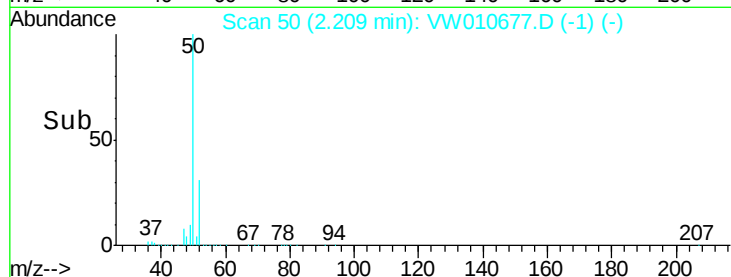
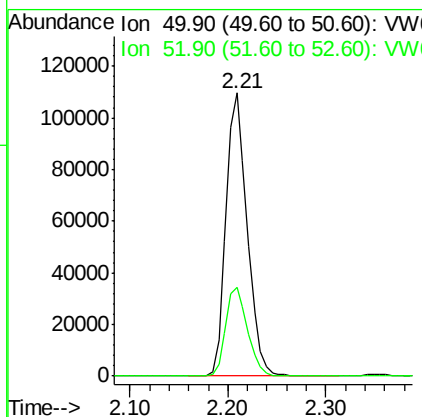
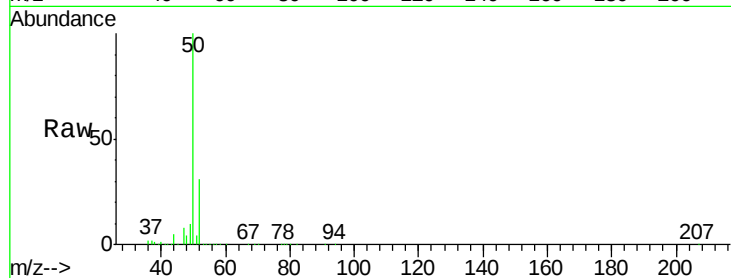
52 31.5 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.098 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VW010677.D

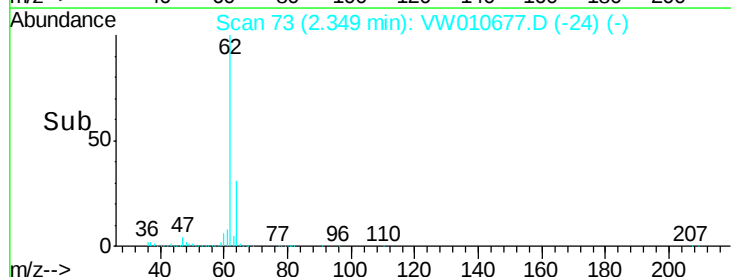
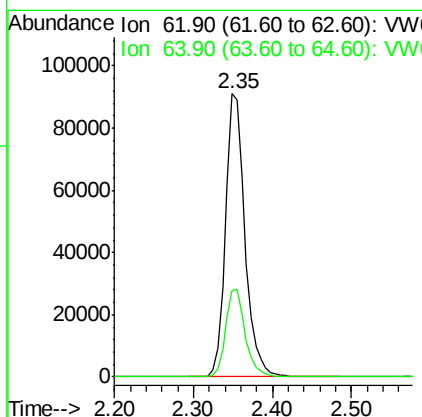
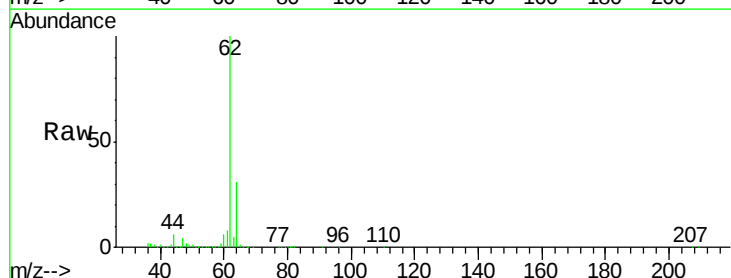
Acq: 04 Jun 2019 15:41

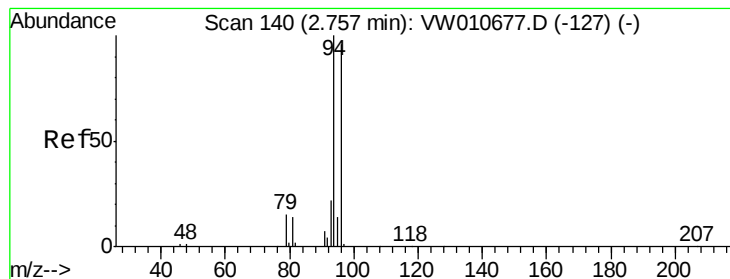
Tgt Ion: 62 Resp: 154972

Ion Ratio Lower Upper

62 100

64 30.6 24.5 36.7





#5

Bromomethane

Concen: 44.035 ug/l

RT: 2.76 min Scan# 140

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 83096

Ion Ratio Lower Upper

94 100

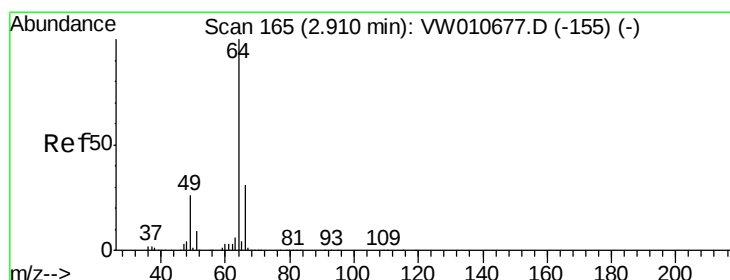
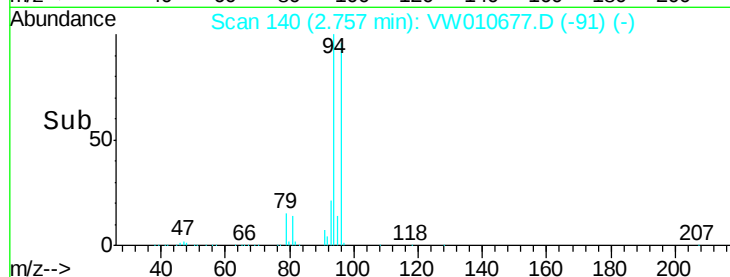
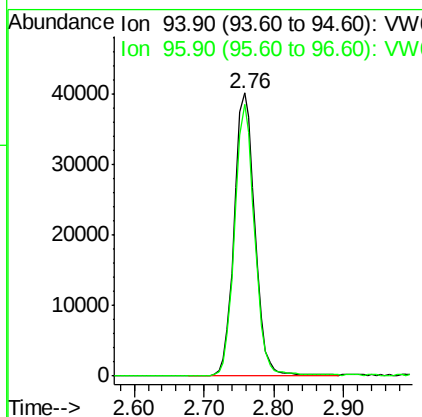
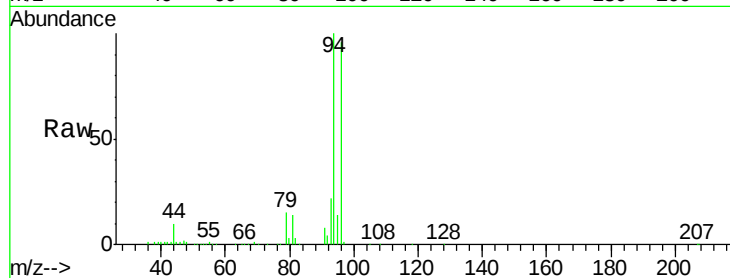
96 95.6 76.5 114.7

Manual Integrations

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#6

Chloroethane

Concen: 47.152 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW010677.D

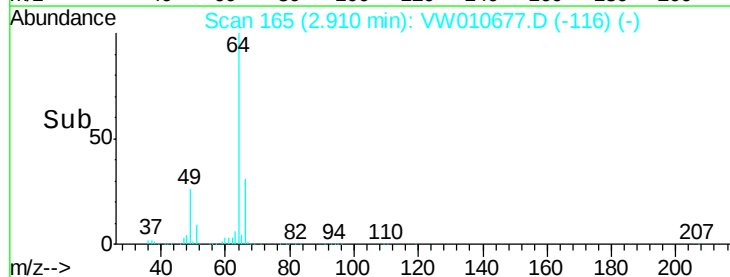
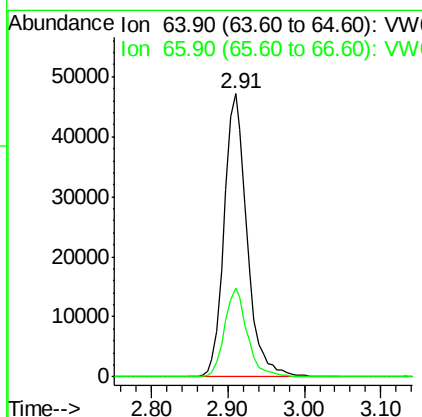
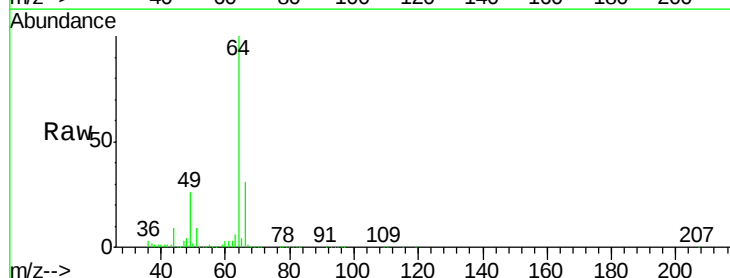
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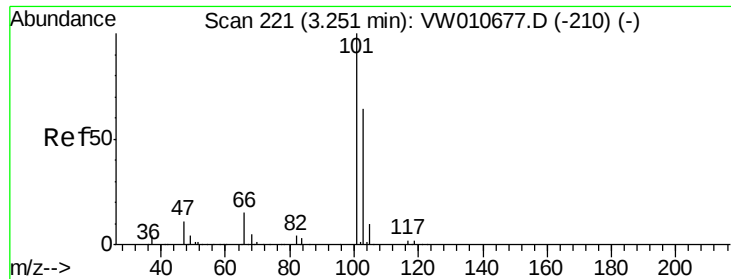
Tgt Ion: 64 Resp: 97257

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

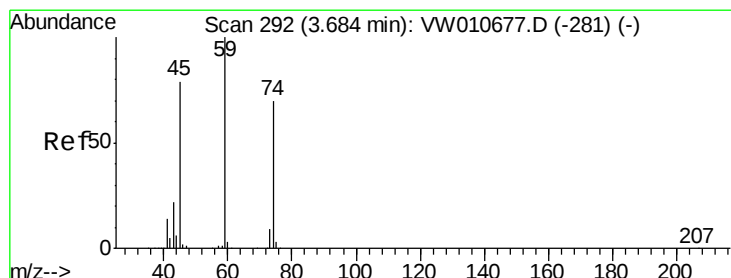
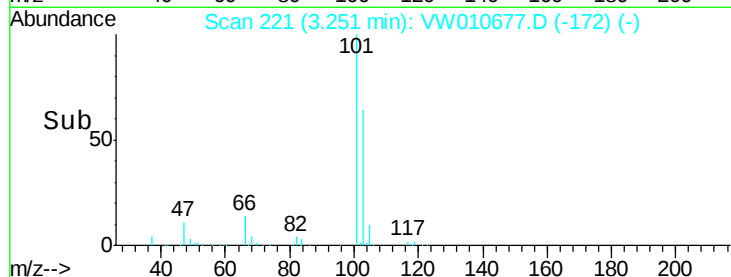
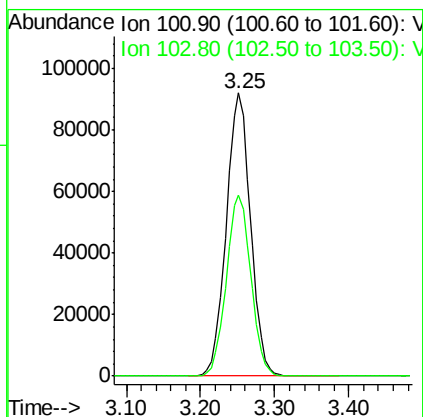
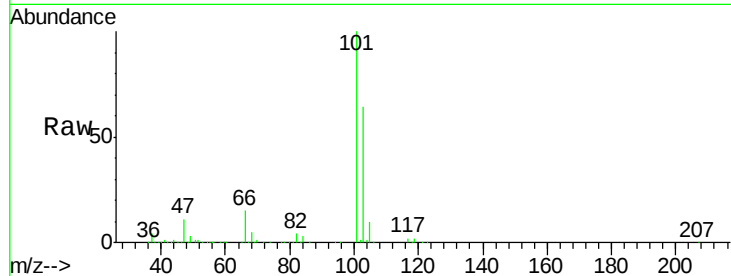
Trichlorofluoromethane
Concen: 46.918 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	209286		
103	64.0	51.2	76.8	

Manual Integrations
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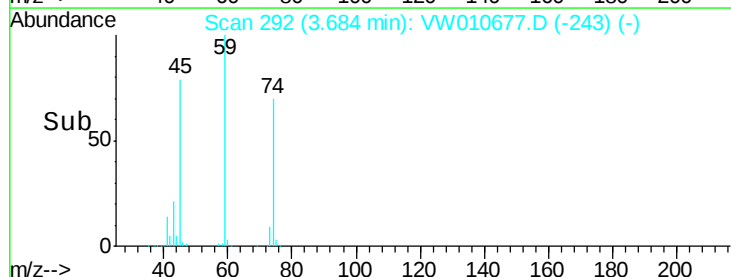
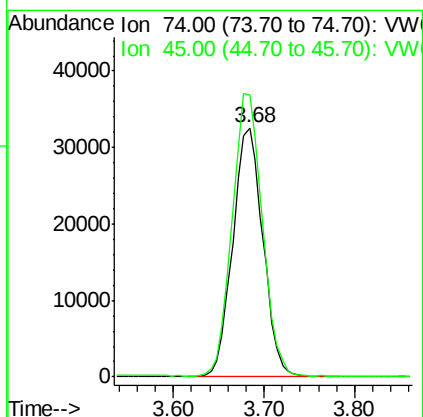
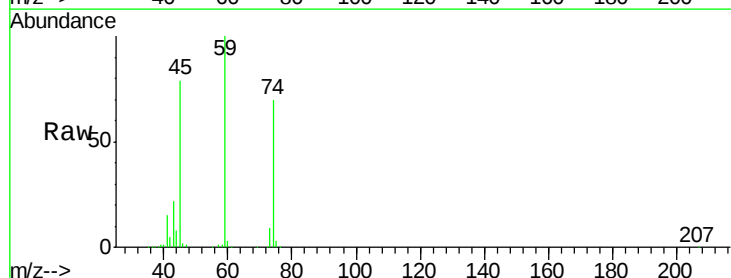
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6/5/2019 3:05:02 PM

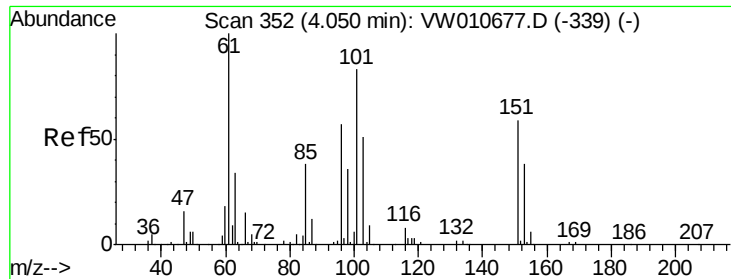


#8

Diethyl Ether
Concen: 47.098 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	75079		
45	113.8	56.9	170.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.683 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

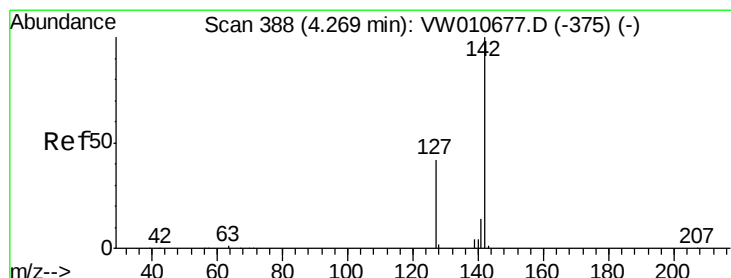
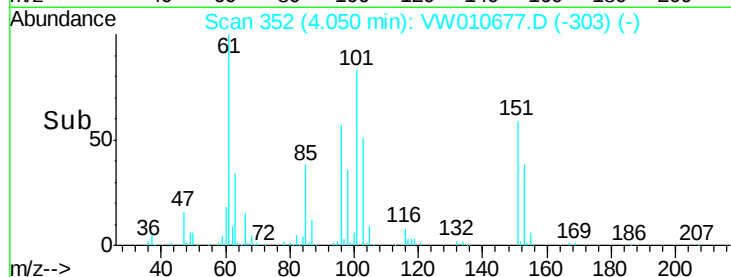
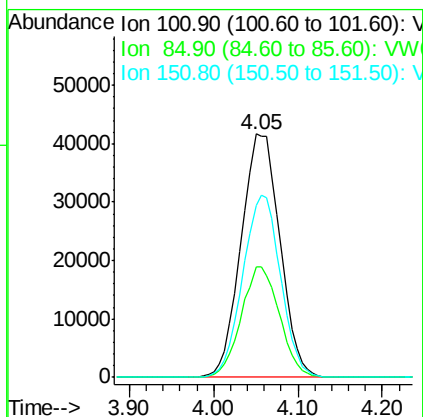
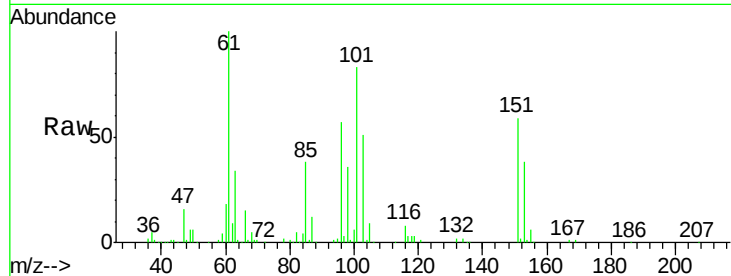
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	130769
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.8	53.8
151	72.6	58.1	87.1

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#10

Methyl Iodide

Concen: 52.934 ug/l

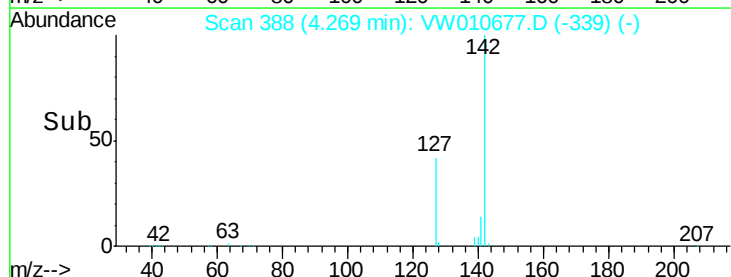
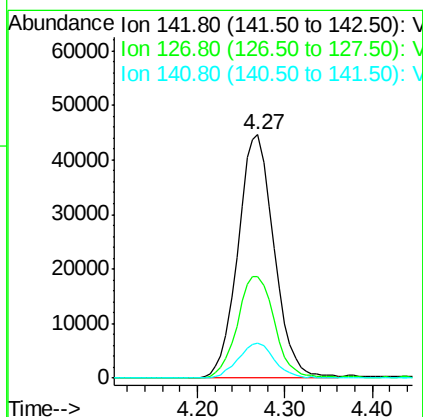
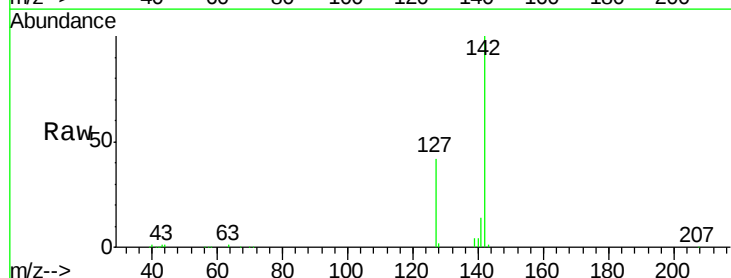
RT: 4.27 min Scan# 388

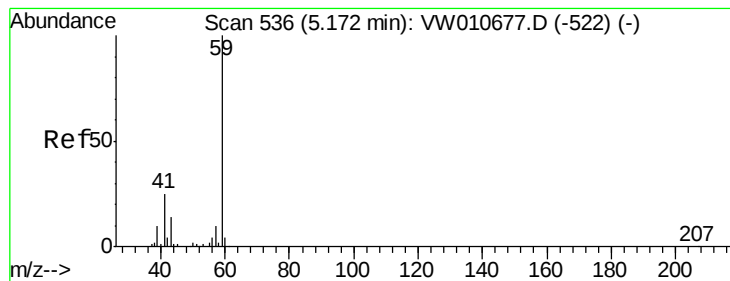
Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Tgt Ion:	142	Resp:	128201
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.6	51.8
141	14.5	11.6	17.4





#11

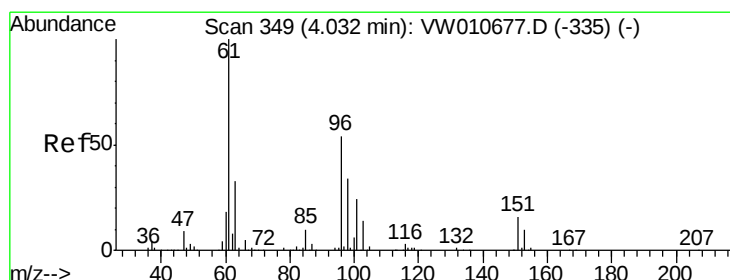
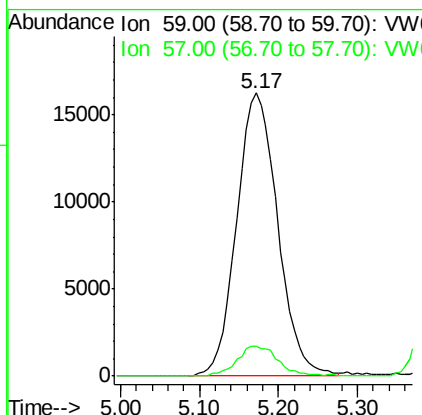
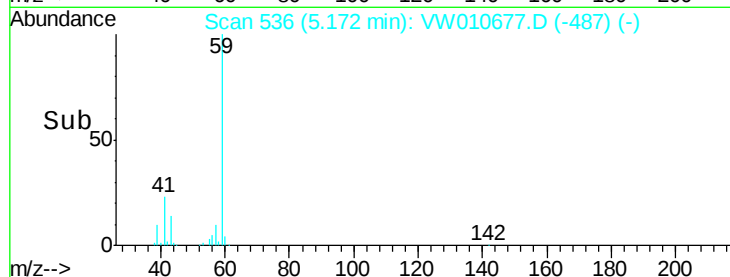
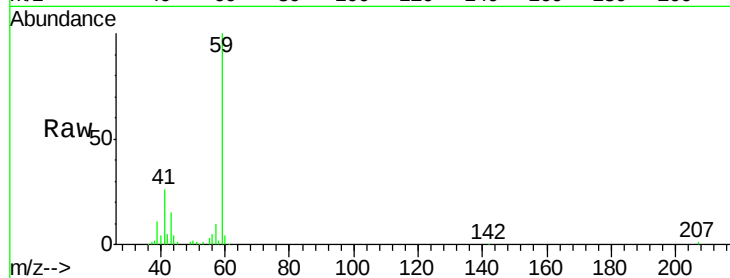
Tert butyl alcohol
Concen: 223.686 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

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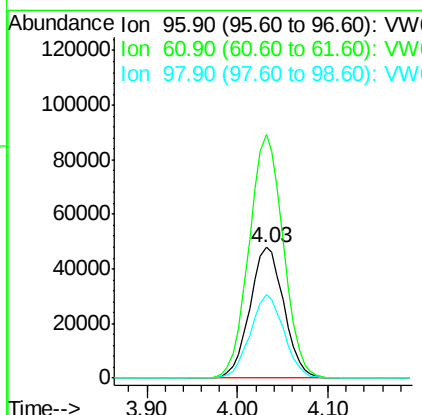
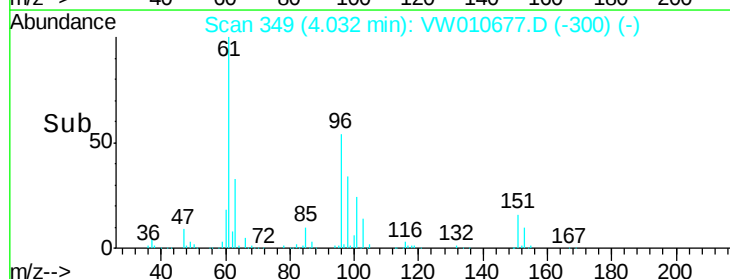
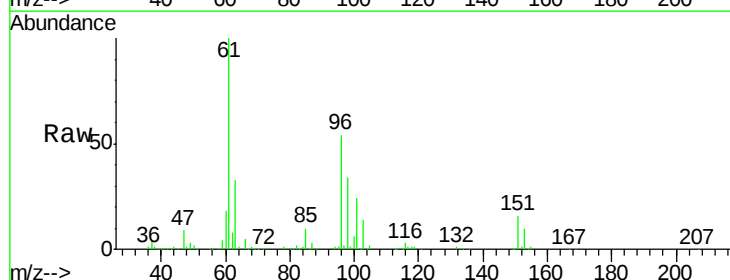
MMDadoda
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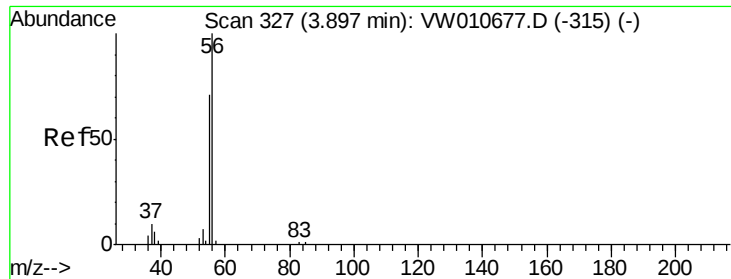


#12

1,1-Dichloroethene
Concen: 47.113 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.4	149.1	223.7
98	63.9	51.1	76.7





#13

Acrolein

Concen: 255.543 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 27430

Ion Ratio Lower Upper

56 100

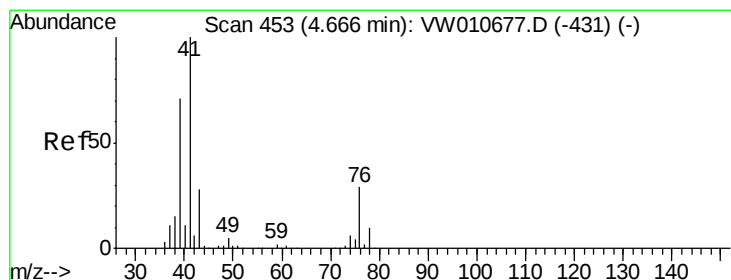
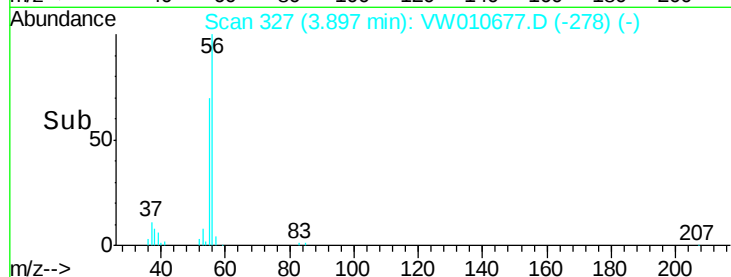
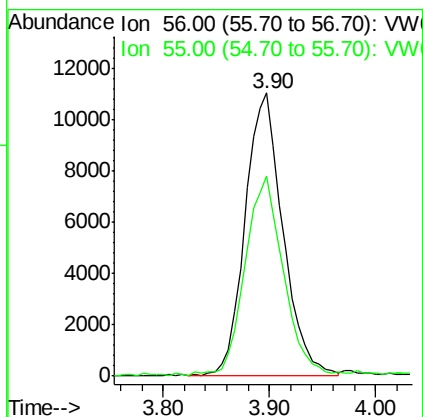
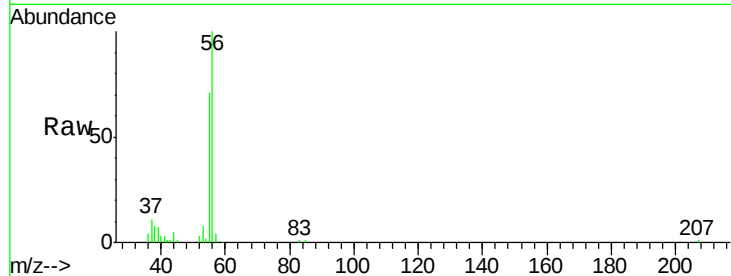
55 72.0 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 47.922 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

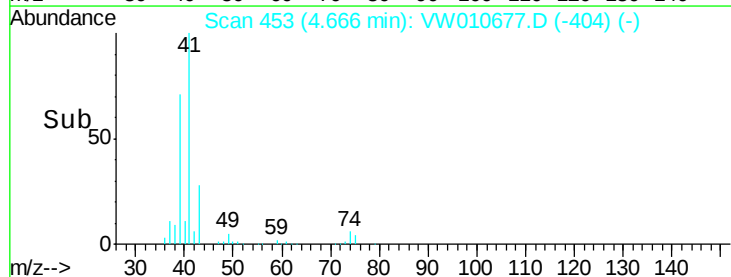
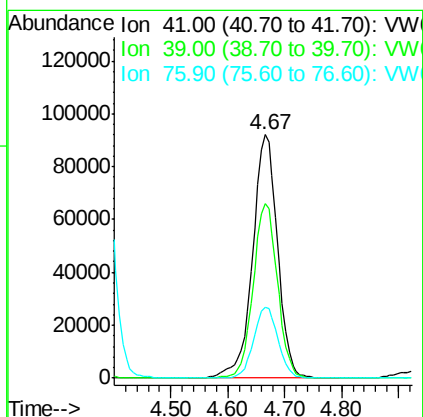
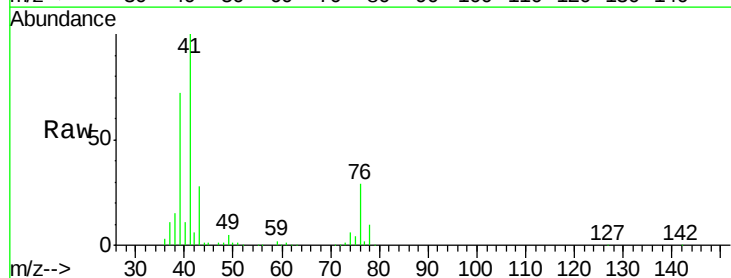
Tgt Ion: 41 Resp: 279536

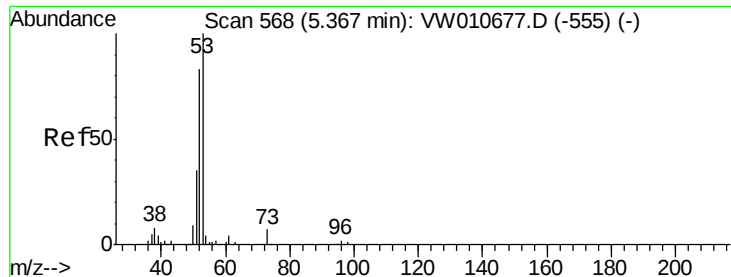
Ion Ratio Lower Upper

41 100

39 69.7 55.8 83.6

76 28.4 22.7 34.1





#15

Acrylonitrile

Concen: 228.553 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

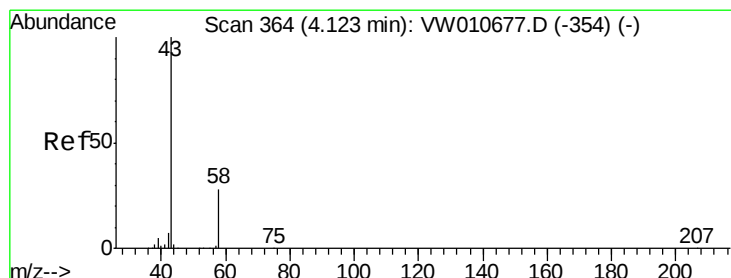
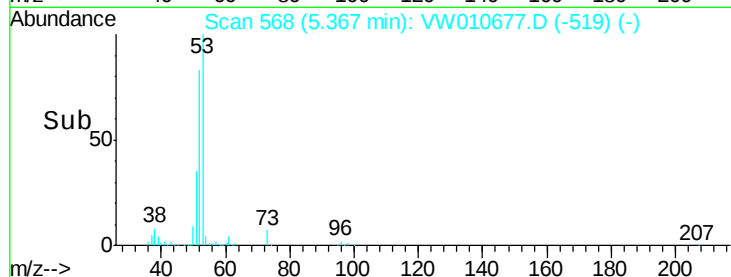
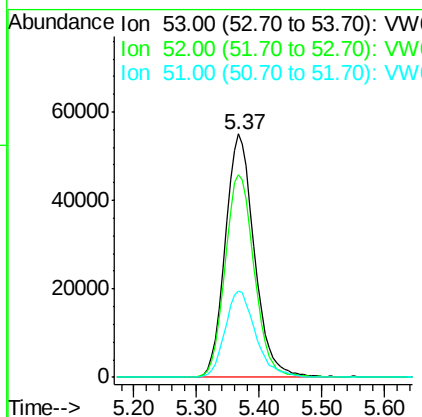
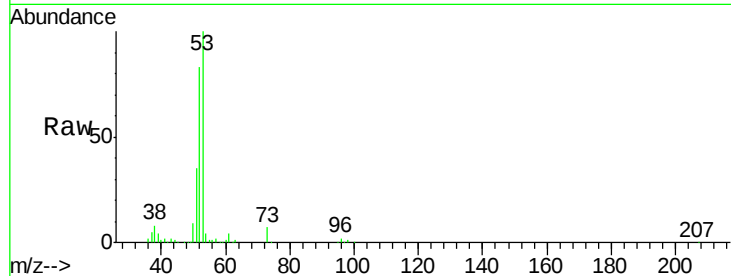
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	177000
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.3	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 248.025 ug/l

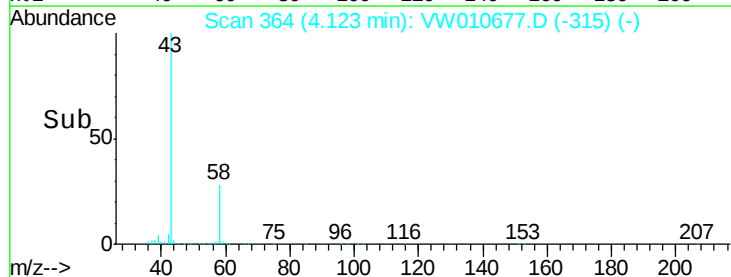
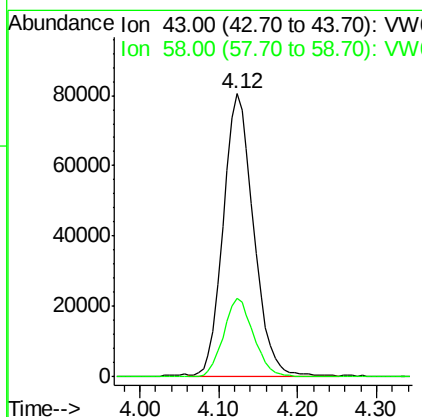
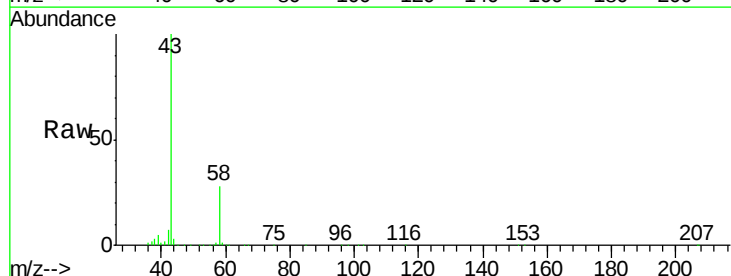
RT: 4.12 min Scan# 364

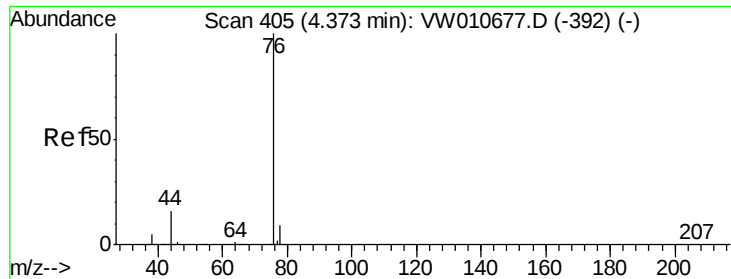
Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Tgt Ion:	43	Resp:	214284
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.1	33.1





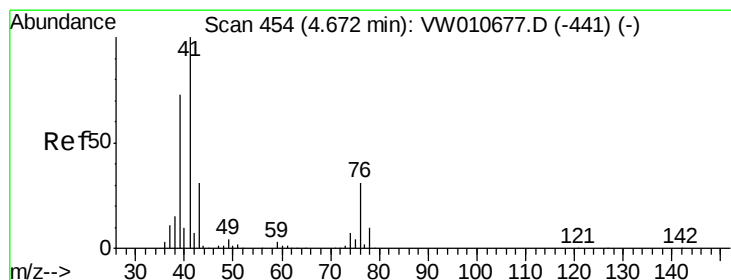
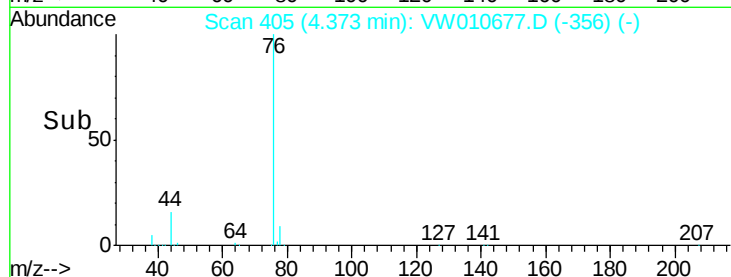
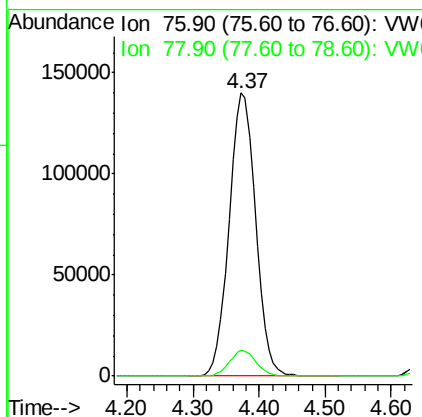
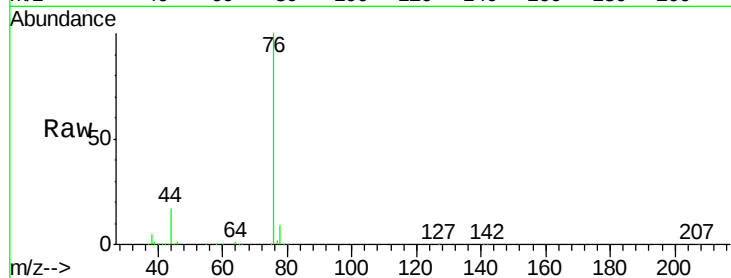
#17
Carbon Disulfide
Concen: 46.409 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

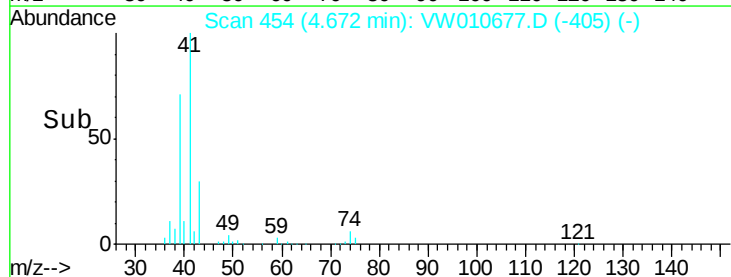
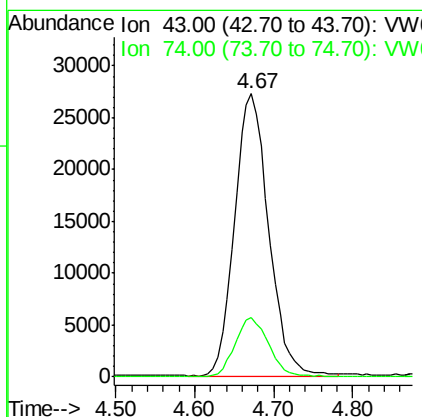
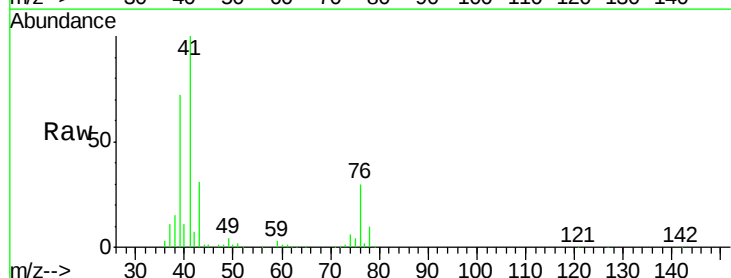
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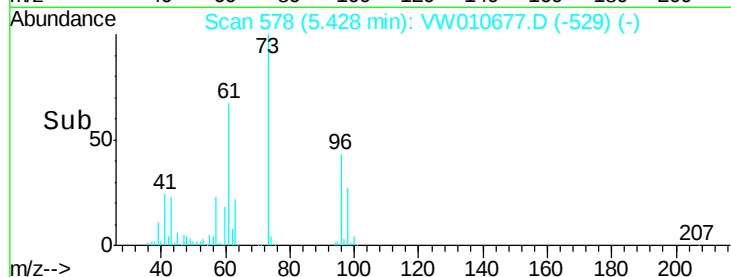
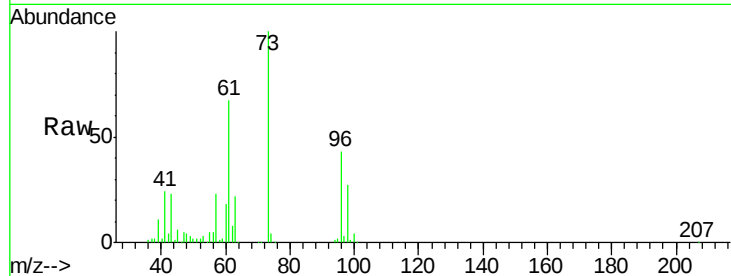
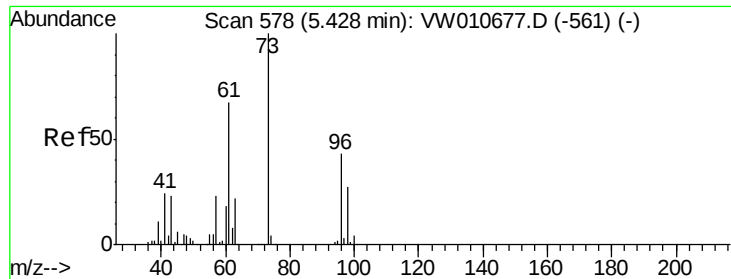
MMDadoda
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#18
Methyl Acetate
Concen: 43.932 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.9	16.7	25.1





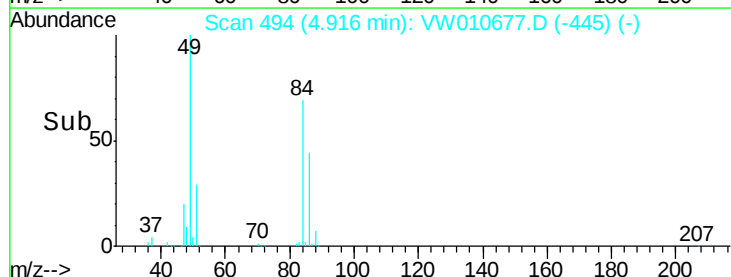
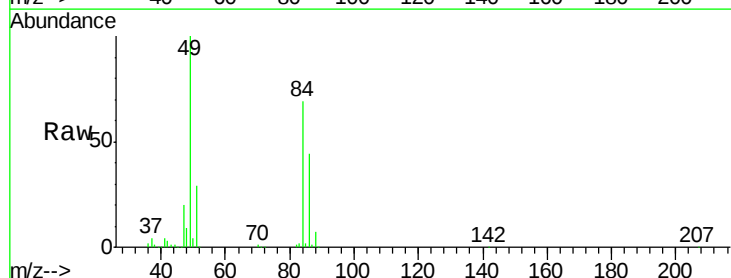
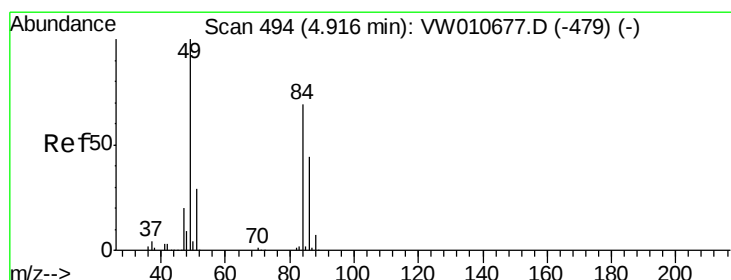
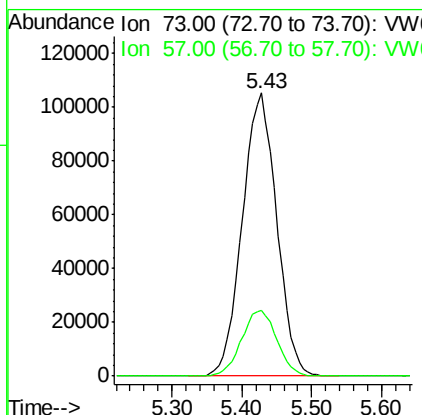
#19
Methvl tert-butvl Ether
Concen: 47.199 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tot Ion: 73 Resp: 360128
Ion Ratio Lower Upper
73 100
57 23.2 18.6 27.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

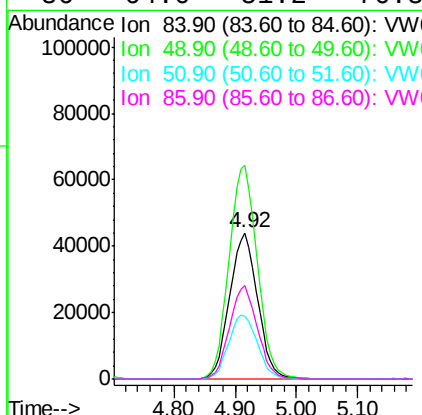
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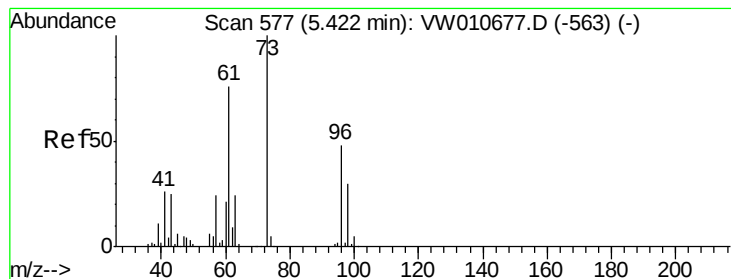
MMDadoda
6/5/2019 3:05:02 PM



#20
Methylene Chloride
Concen: 45.697 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion: 84 Resp: 138501
Ion Ratio Lower Upper
84 100
49 145.9 116.7 175.1
51 42.7 34.2 51.2
86 64.0 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 48.104 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 96 Resp: 144466

Ion Ratio Lower Upper

96 100

61 157.5 126.0 189.0

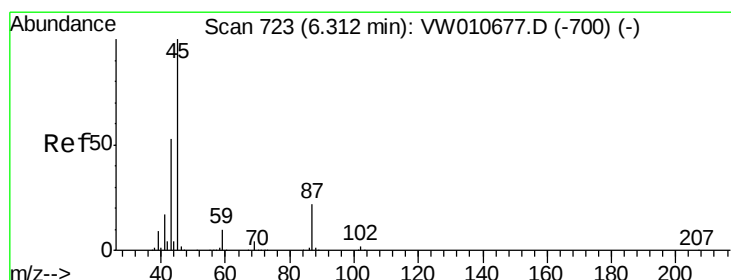
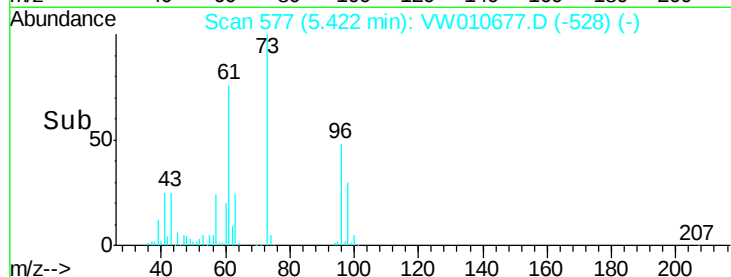
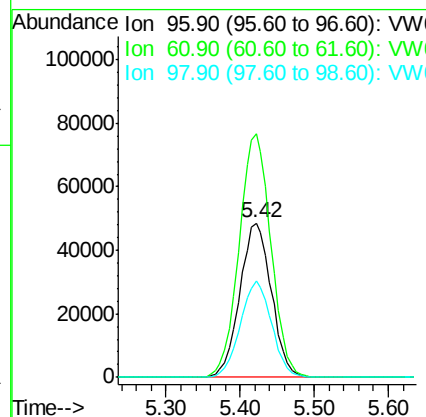
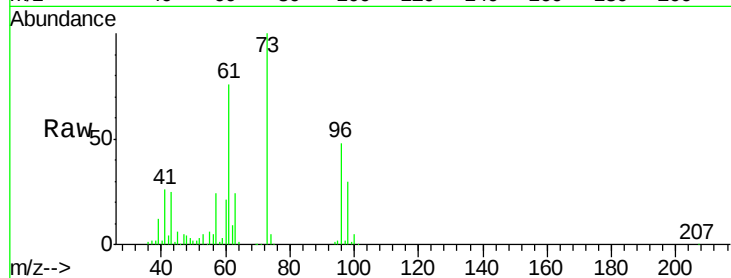
98 62.0 49.6 74.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 47.976 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Tgt Ion: 45 Resp: 560272

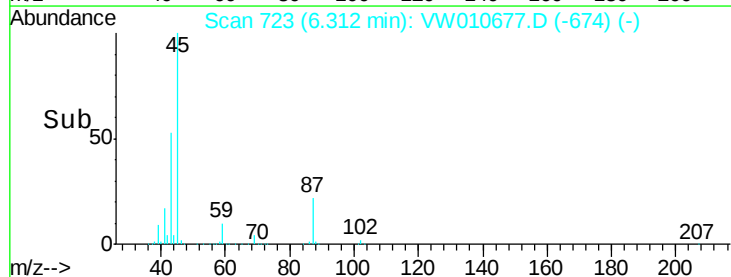
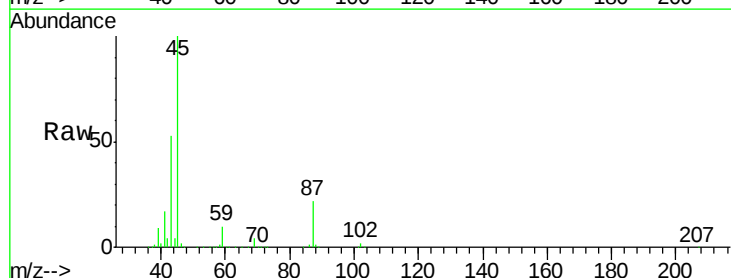
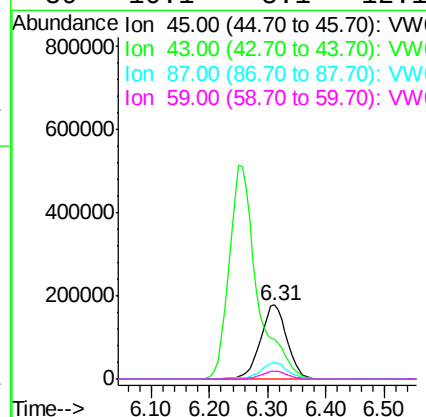
Ion Ratio Lower Upper

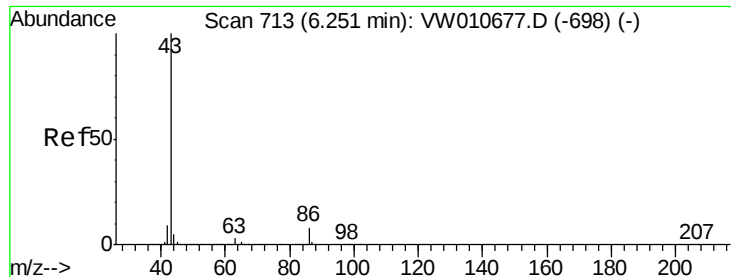
45 100

43 53.1 42.5 63.7

87 21.8 17.4 26.2

59 10.1 8.1 12.1





#23

Vinyl Acetate

Concen: 241.753 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 1703807

Ion Ratio Lower Upper

43 100

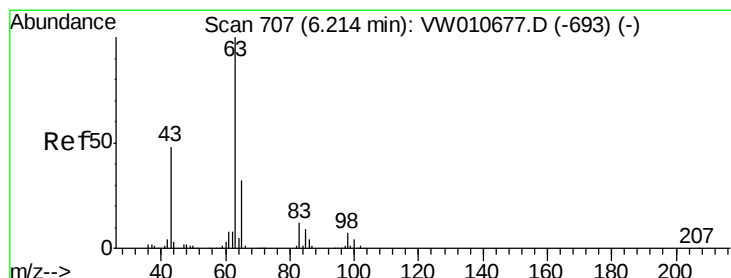
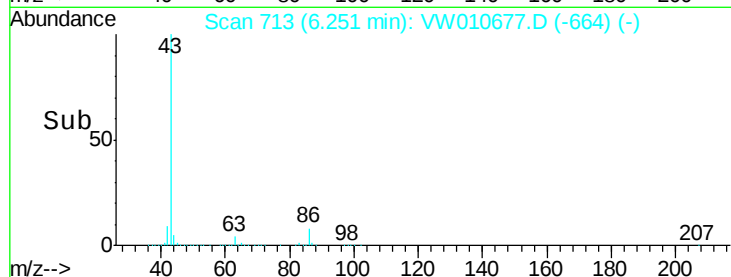
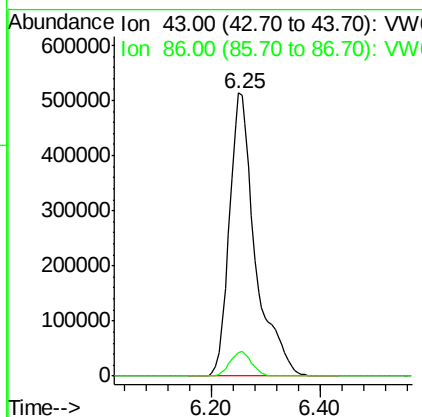
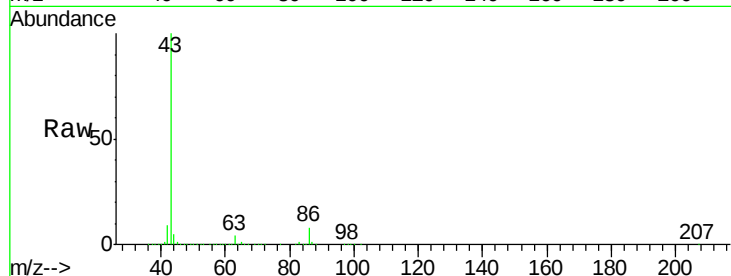
86 8.3 6.6 10.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.317 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

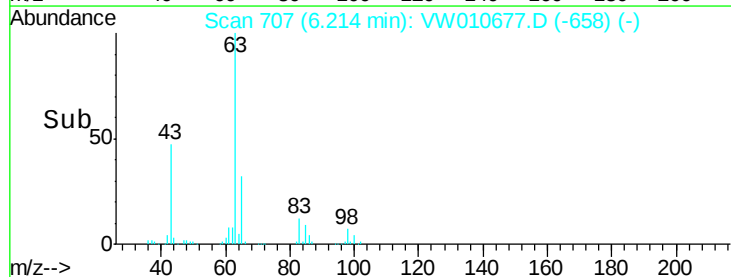
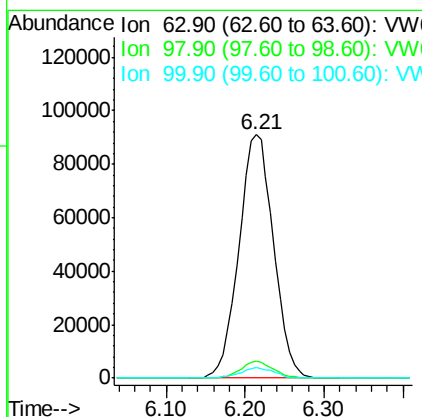
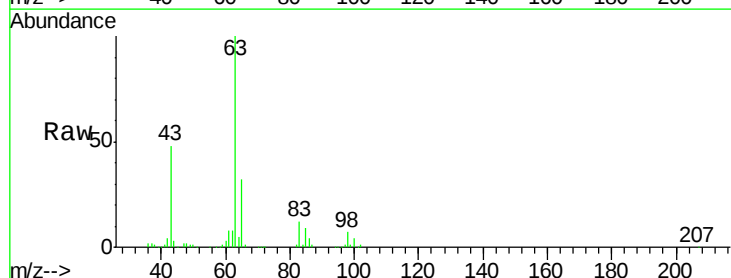
Tgt Ion: 63 Resp: 276917

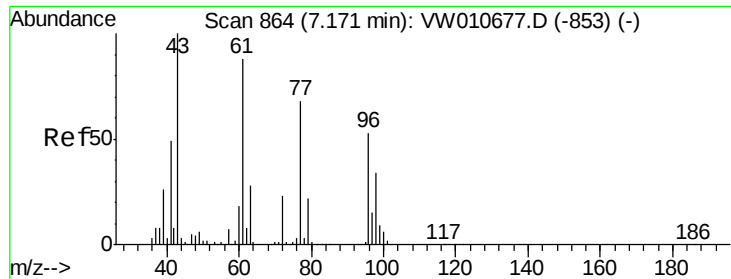
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.2 2.1 6.3





#25

2-Butanone

Concen: 241.683 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 289536

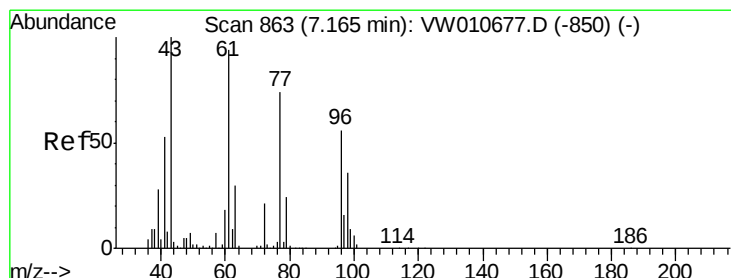
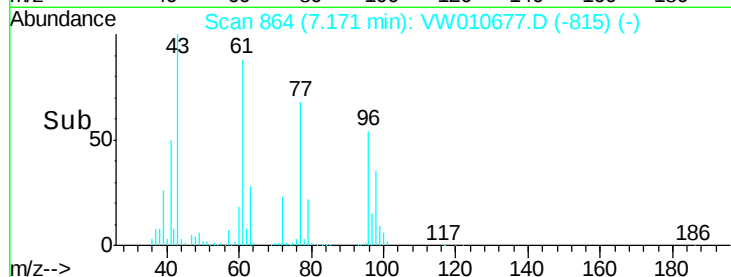
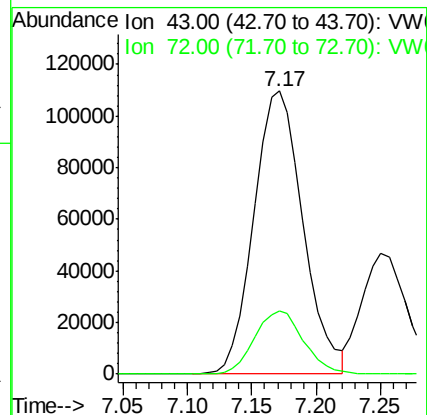
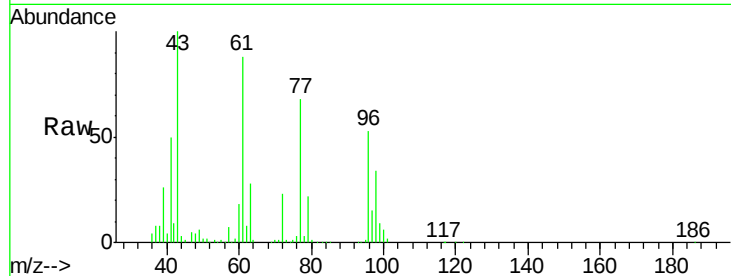
Ion Ratio Lower Upper

43 100

72 22.6 18.1 27.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 47.573 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010677.D

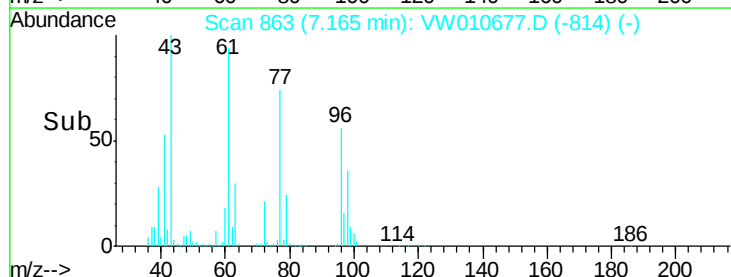
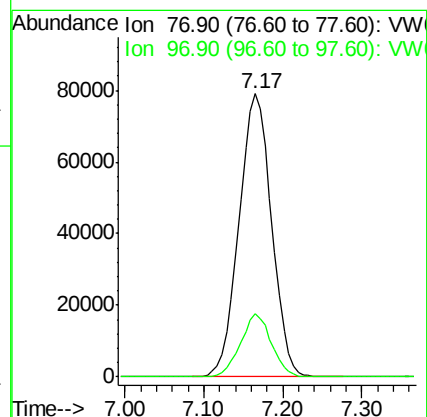
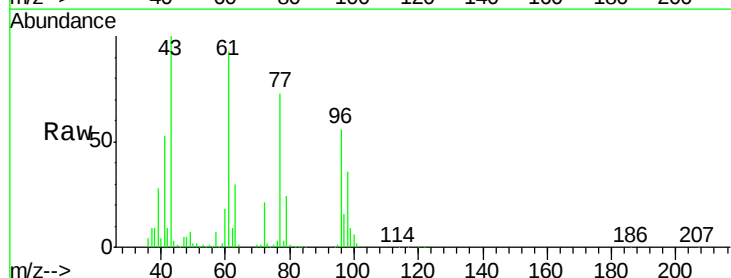
Acq: 04 Jun 2019 15:41

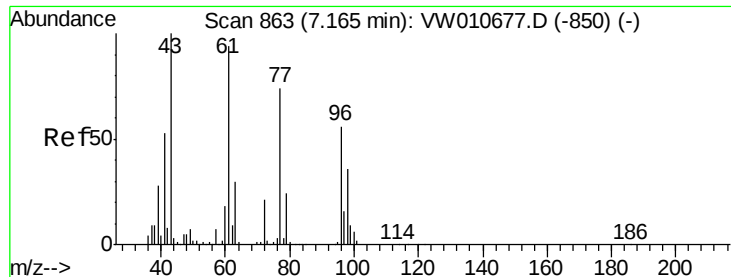
Tgt Ion: 77 Resp: 226558

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.6





#27

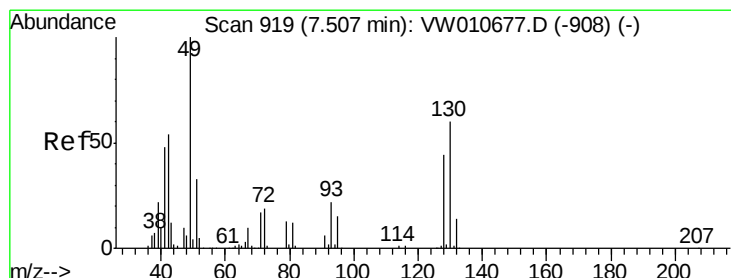
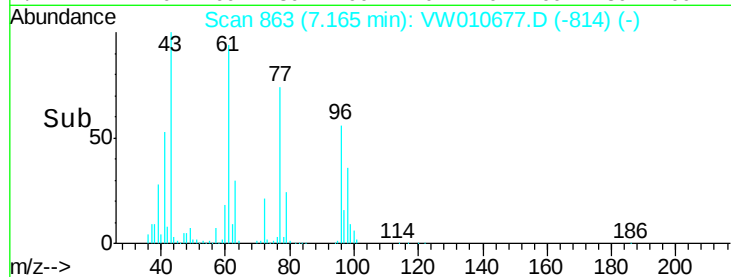
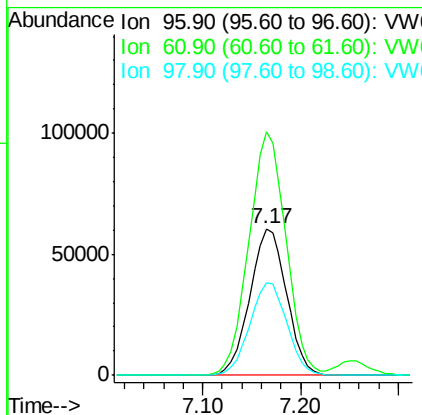
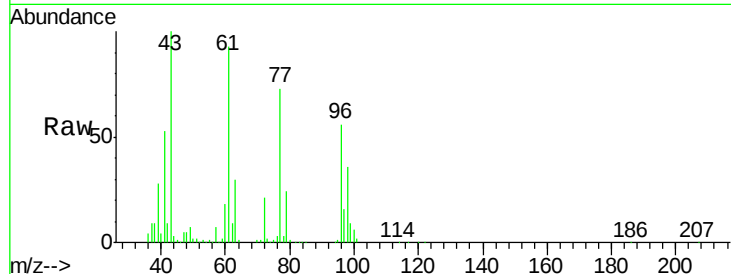
cis-1,2-Dichloroethene
Concen: 47.636 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	157437		
61	168.2	0.0	336.4	
98	64.0	0.0	128.0	

Manual Integrations
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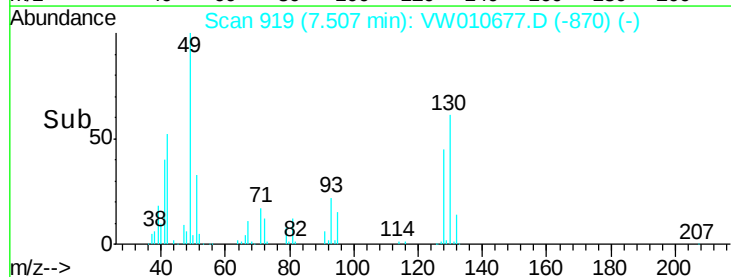
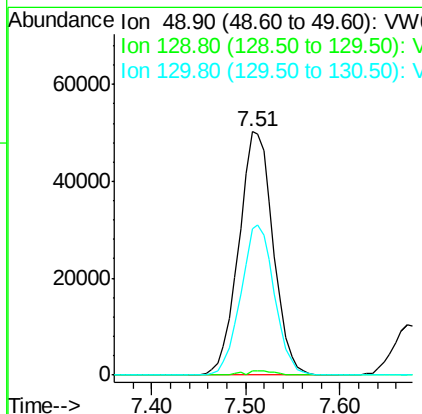
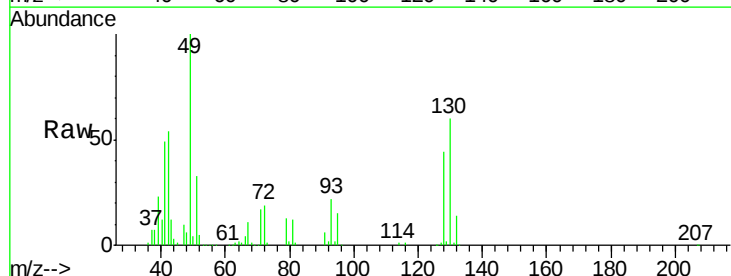
MMDadoda
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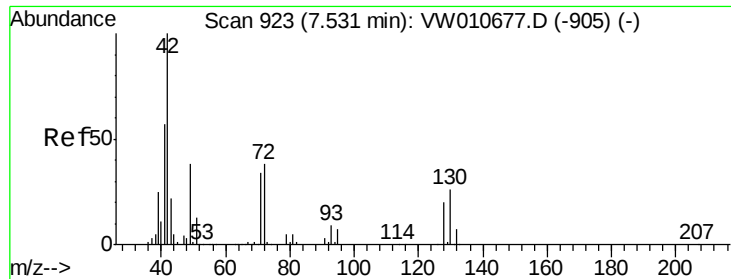


#28

Bromochloromethane
Concen: 49.017 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	128021		
129	1.6	0.0	3.2	
130	60.4	48.3	72.5	





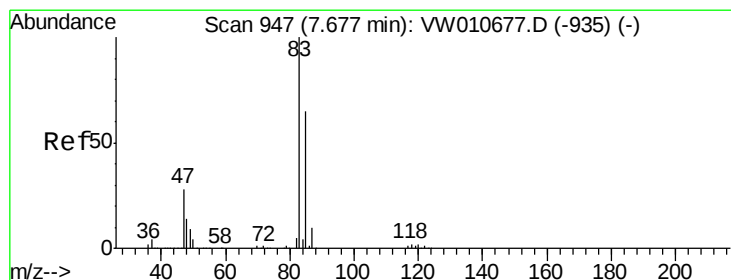
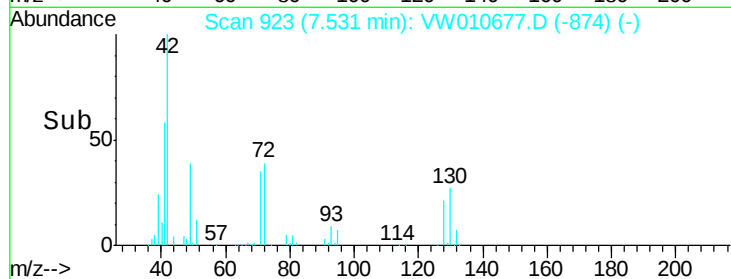
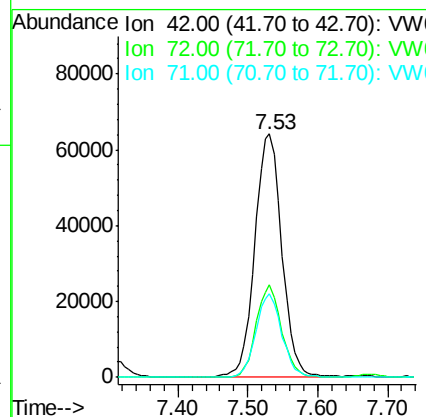
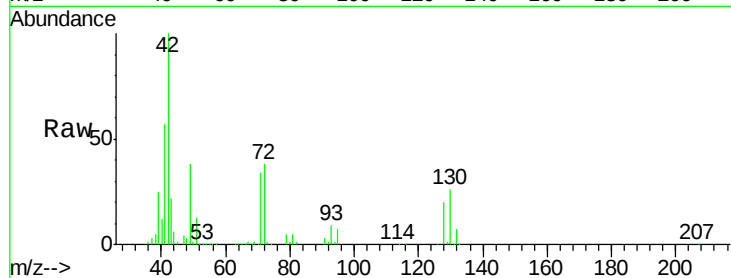
#29
Tetrahydrofuran
Concen: 227.513 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.9	28.7	43.1
71	33.2	26.6	39.8

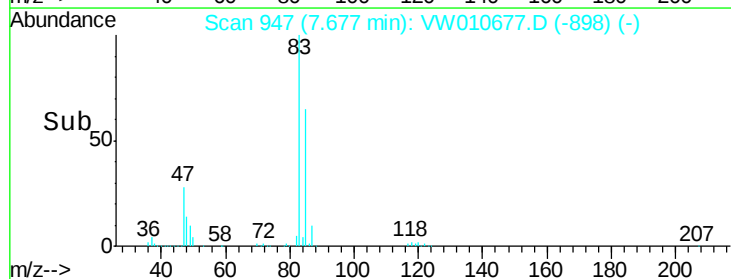
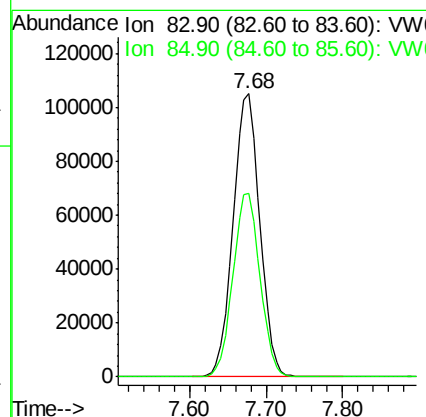
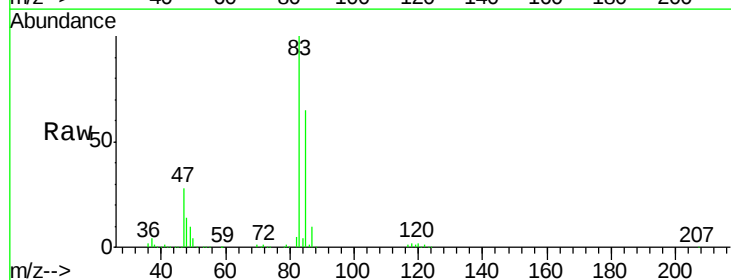
Manual Integrations
APPROVED

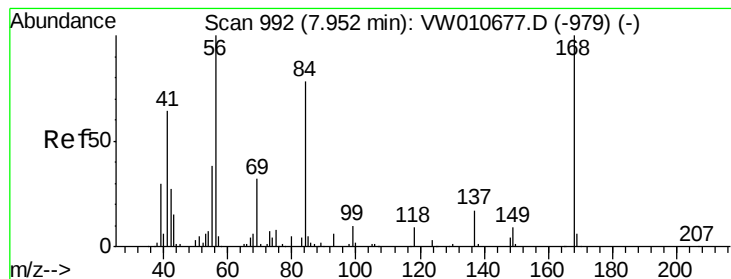
MMDadoda
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#30
Chloroform
Concen: 47.288 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.8	77.8





#31

Cyclohexane

Concen: 45.063 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

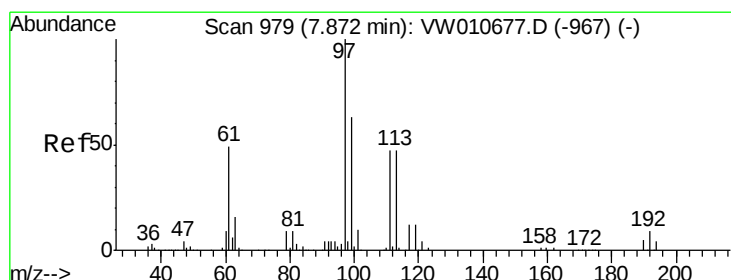
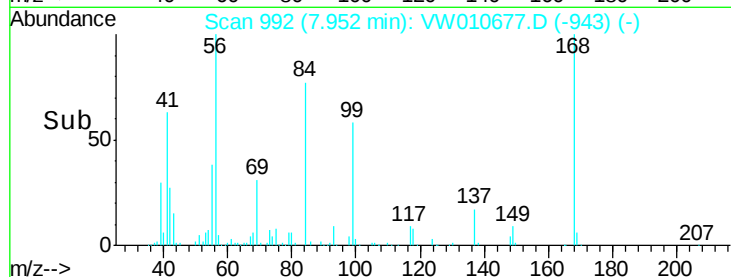
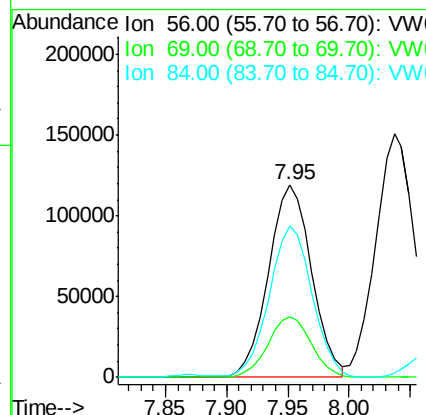
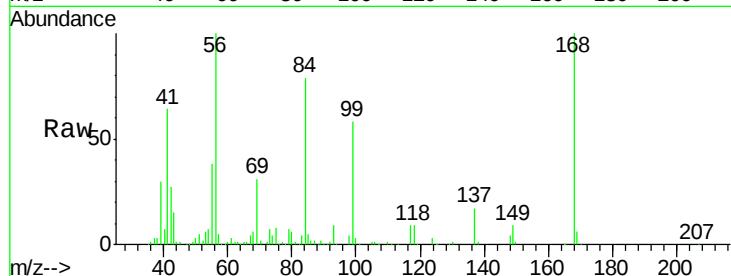
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	293163
Ion Ratio	Lower	Upper	
56	100		
69	31.5	25.2	37.8
84	77.7	62.2	93.2

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#32

1,1,1-Trichloroethane

Concen: 47.622 ug/l

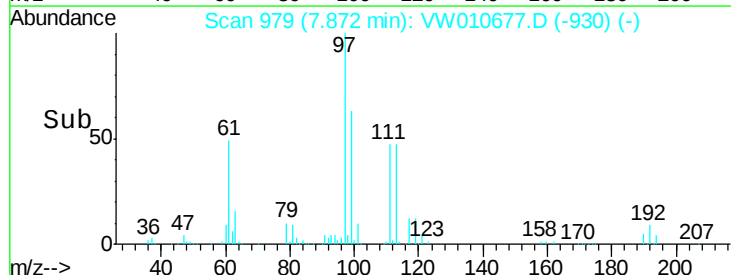
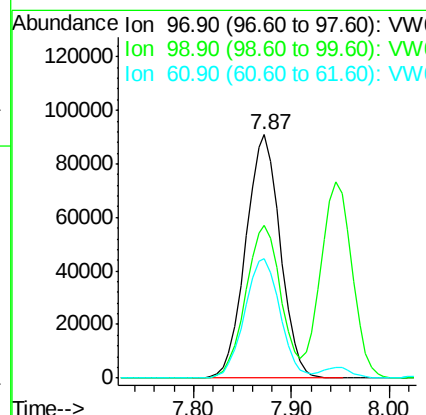
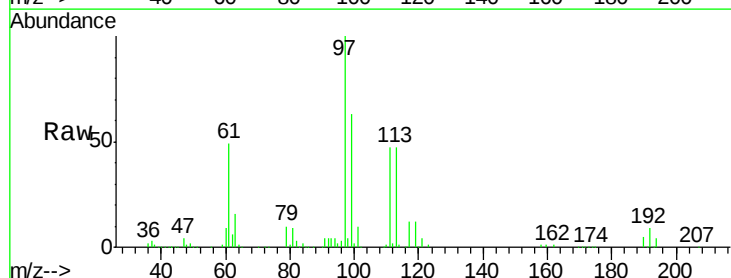
RT: 7.87 min Scan# 979

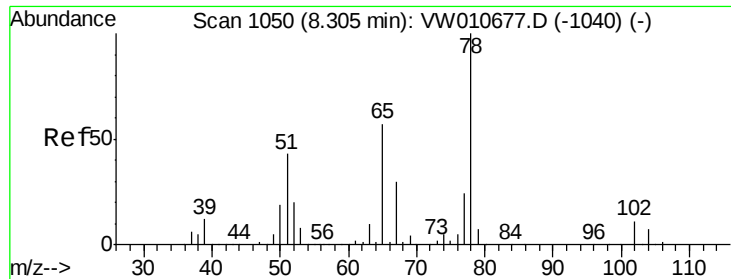
Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Tgt Ion:	97	Resp:	222685
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.3	76.9
61	50.5	40.4	60.6





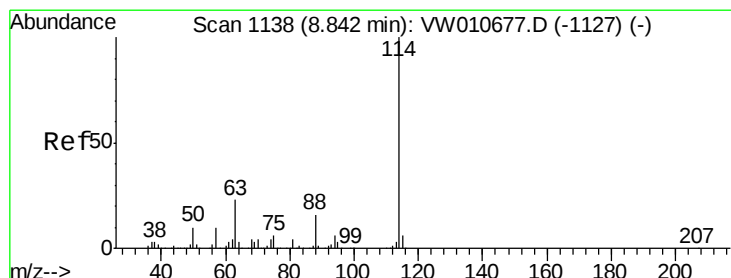
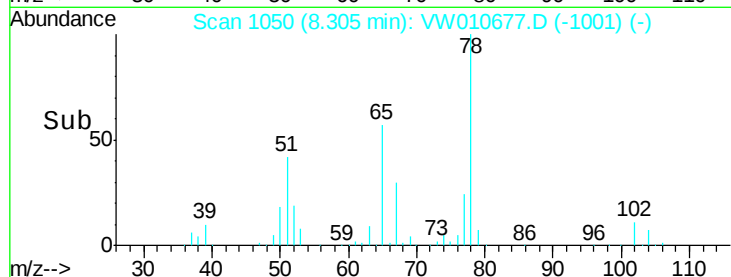
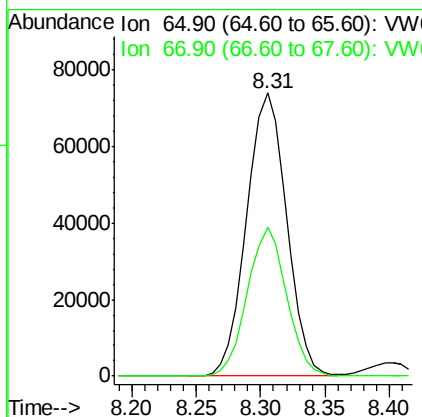
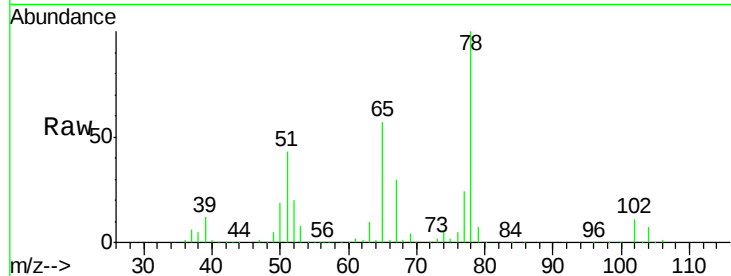
#33
 1,2-Dichloroethane-d4
 Concen: 49.603 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	159939		
67	51.3	0.0	102.6	

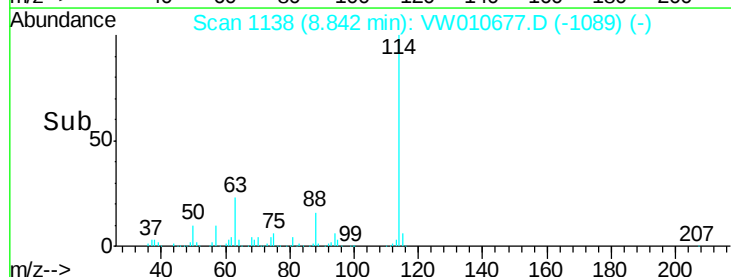
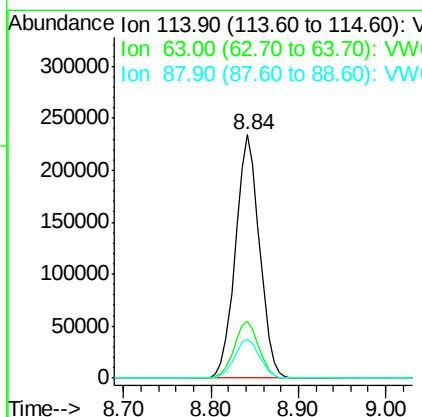
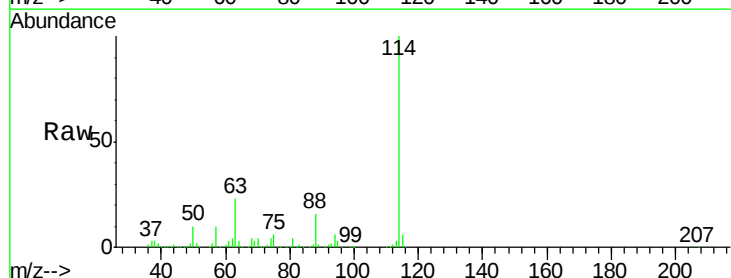
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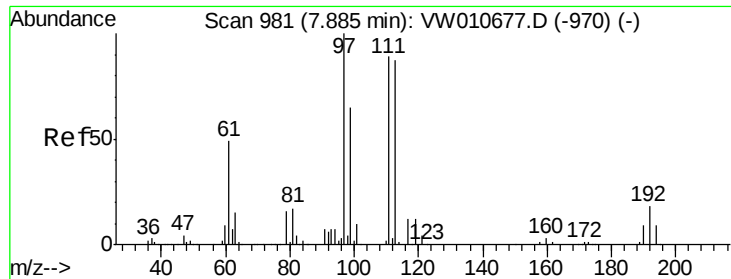
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	447978		
63	23.2	0.0	46.4	
88	16.1	0.0	32.2	





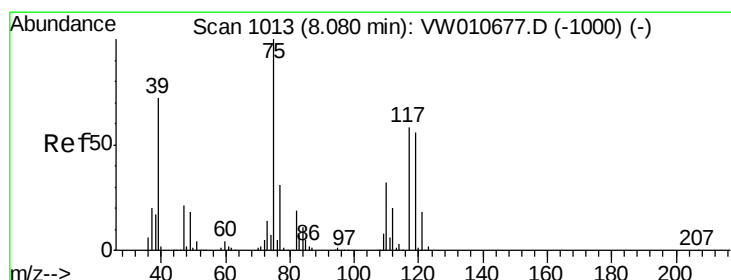
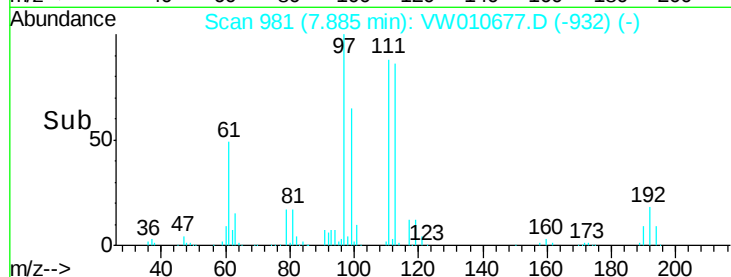
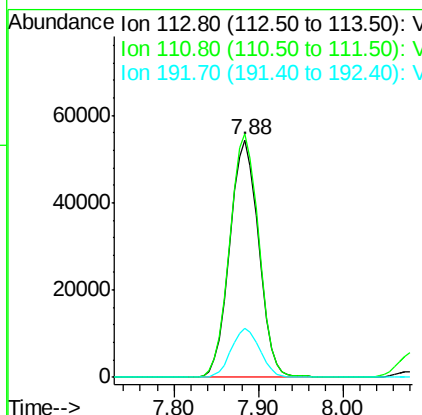
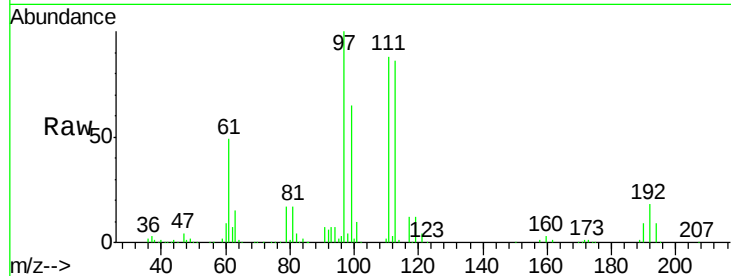
#35
 Dibromofluoromethane
 Concen: 52.084 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	126645		
111	103.2	82.6	123.8	
192	20.5	16.4	24.6	

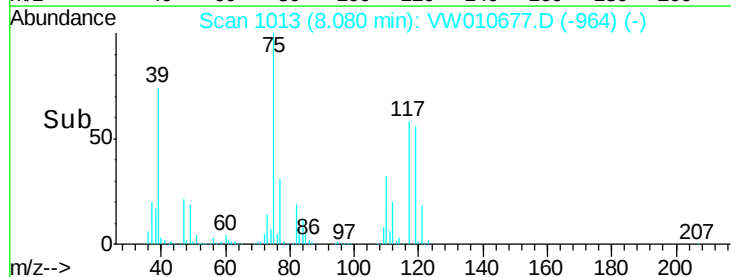
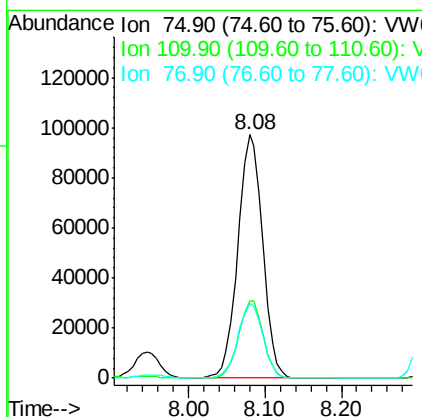
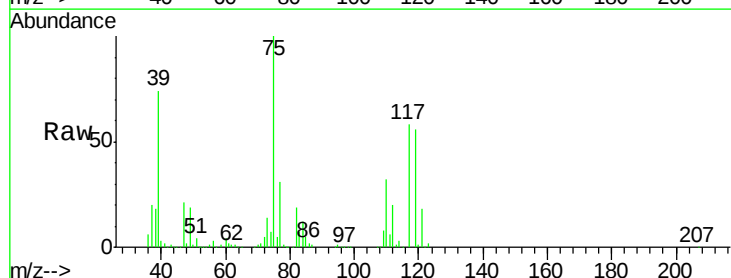
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 47.536 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	217978		
110	31.5	15.8	47.3	
77	30.9	24.7	37.1	





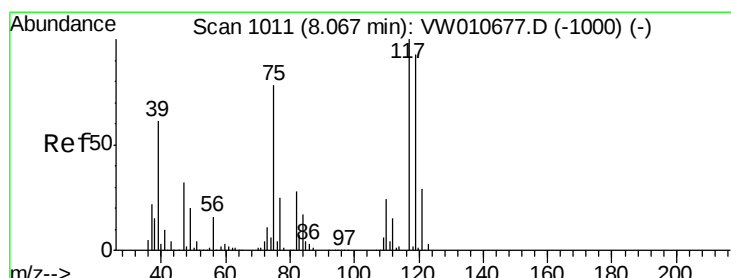
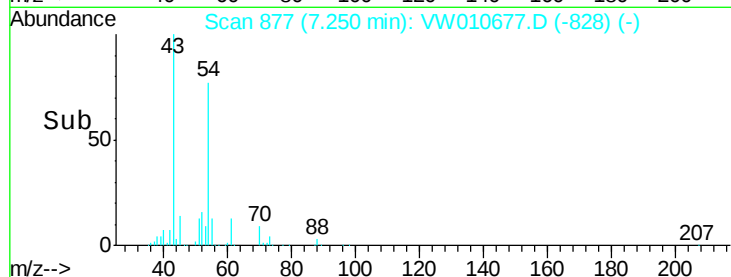
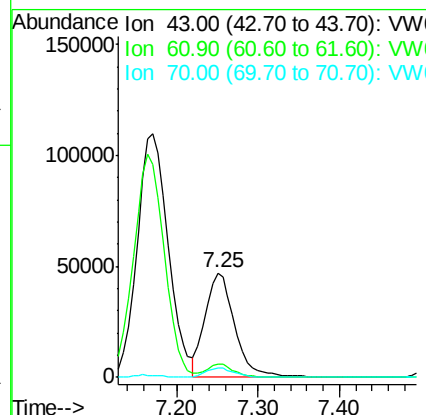
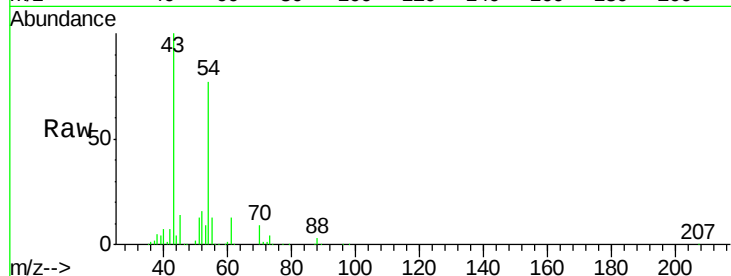
#37
Ethyl Acetate
Concen: 46.153 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	9.7	14.5
70	9.0	7.2	10.8

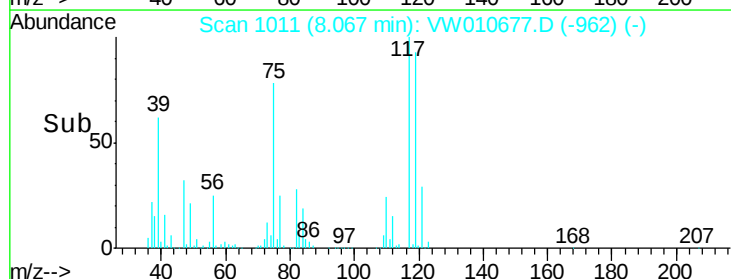
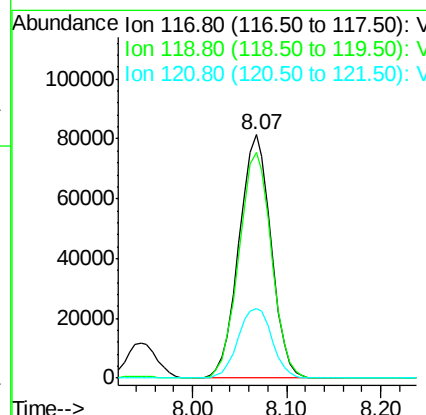
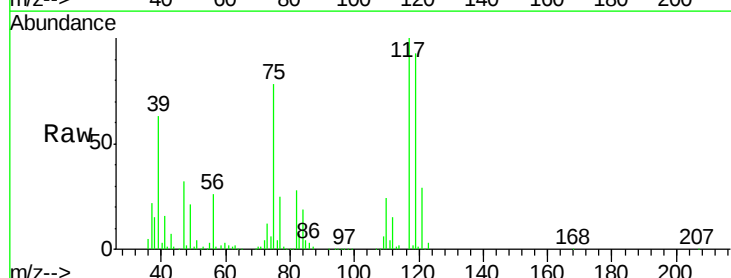
Manual Integrations
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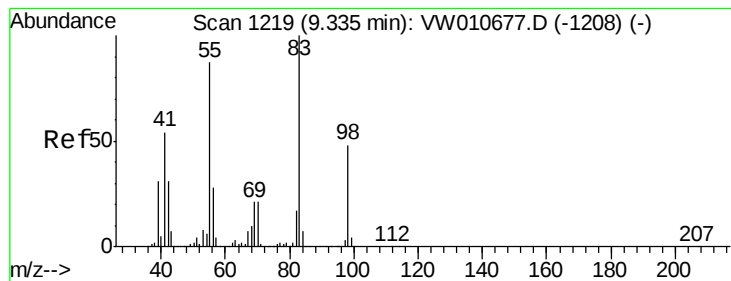
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#38
Carbon Tetrachloride
Concen: 48.750 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	74.2	111.4
121	28.6	22.9	34.3





#39

Methvlcvclohexane

Concen: 48.082 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

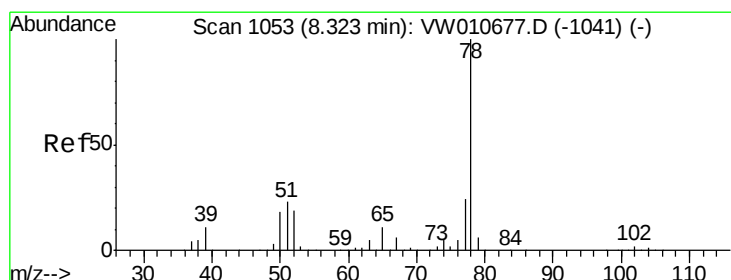
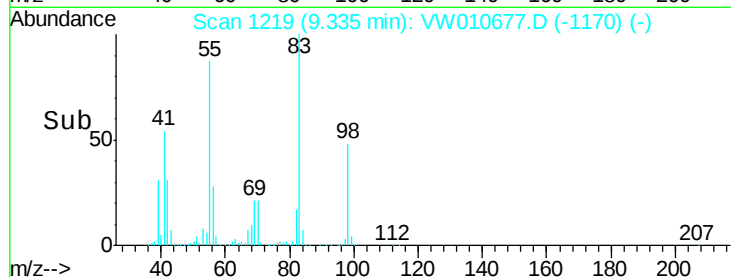
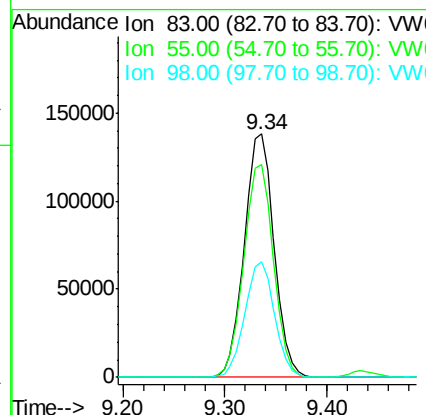
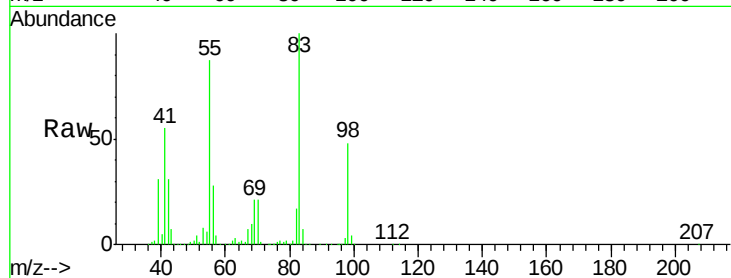
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	280283
Ion Ratio	Lower	Upper	
83	100		
55	87.5	70.0	105.0
98	47.6	38.1	57.1

Manual Integrations
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#40

Benzene

Concen: 47.495 ug/l

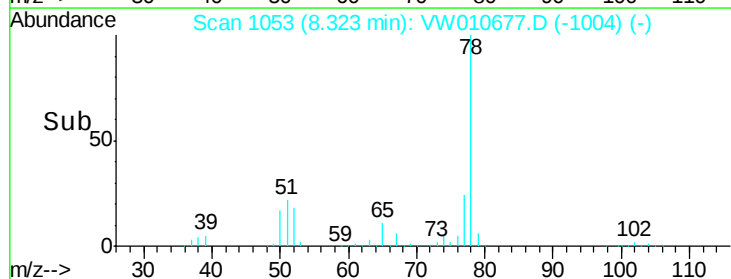
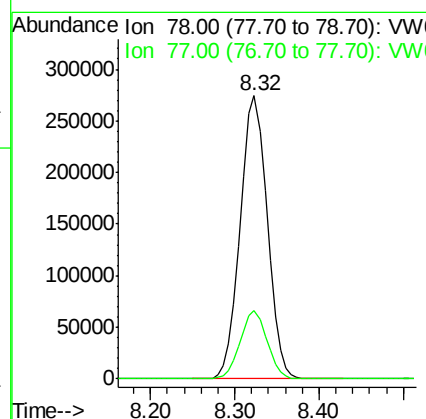
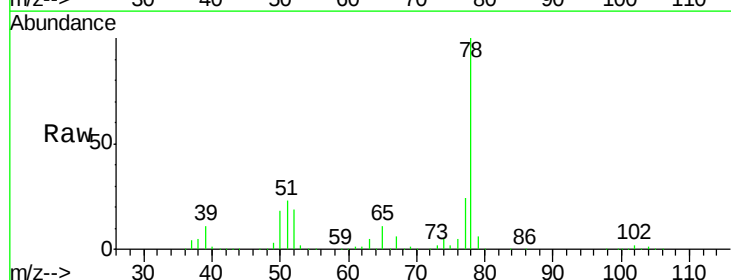
RT: 8.32 min Scan# 1053

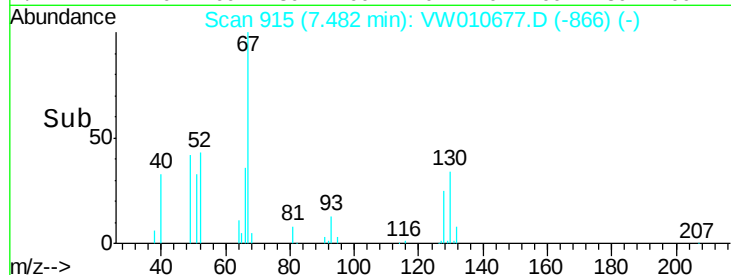
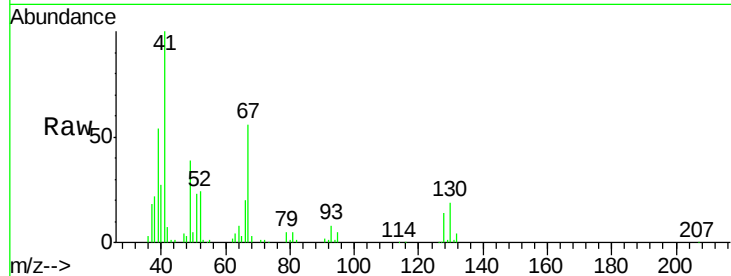
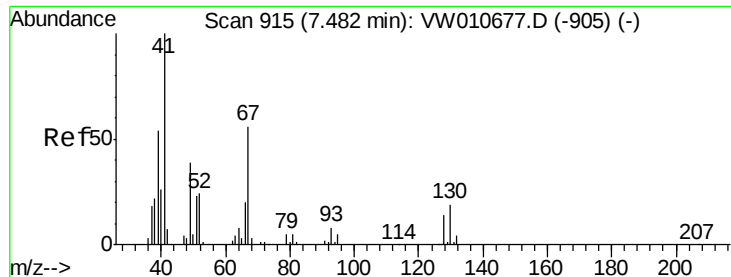
Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Tgt Ion:	78	Resp:	594146
Ion Ratio	Lower	Upper	
78	100		
77	23.9	19.1	28.7





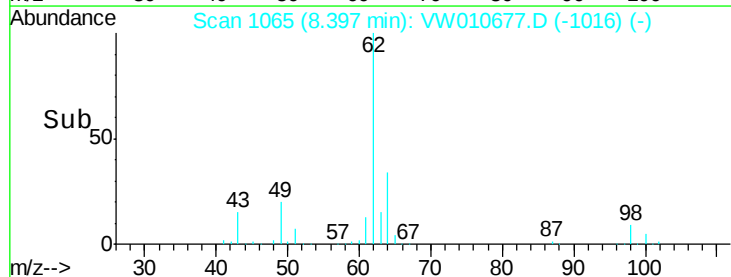
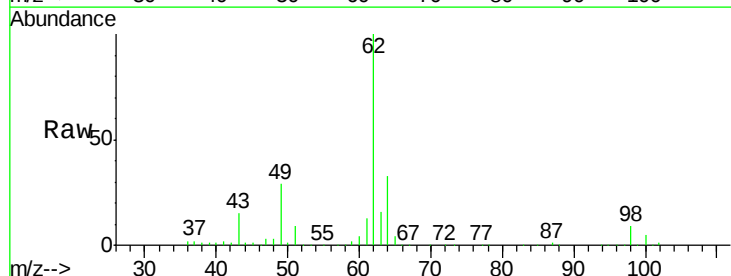
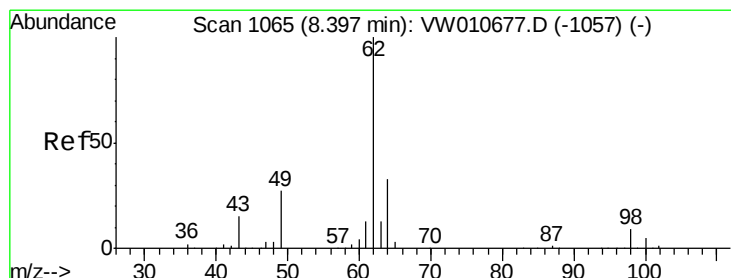
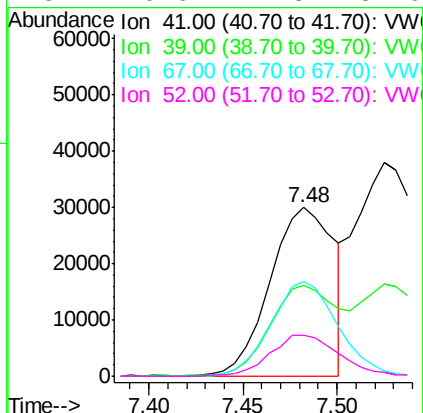
#41
Methacrylonitrile
Concen: 46.740 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tot Ion	41	Resp	70596
Ion	Ratio	Lower	Upper
41	100		
39	59.1	47.3	70.9
67	59.0	47.2	70.8
52	26.6	21.3	31.9

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

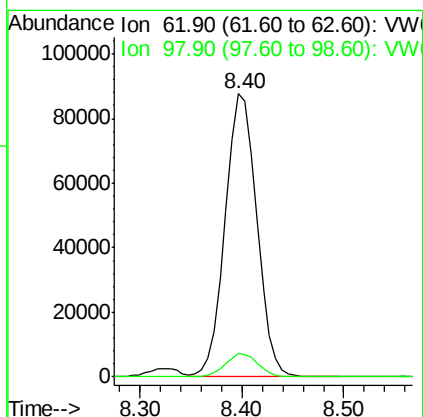
Manual Integrations
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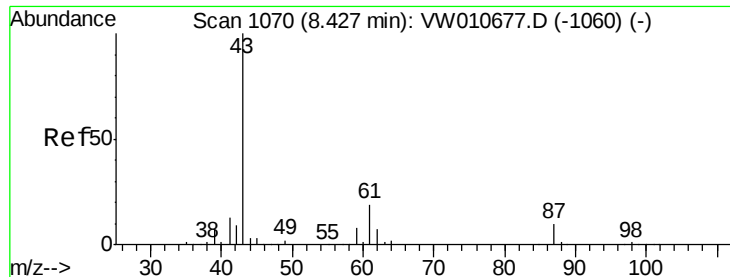
MMDadoda
6/5/2019 3:05:02 PM



#42
1,2-Dichloroethane
Concen: 47.436 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	62	Resp	188338
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 46.958 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

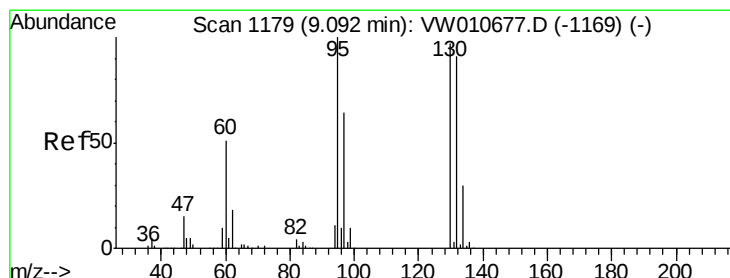
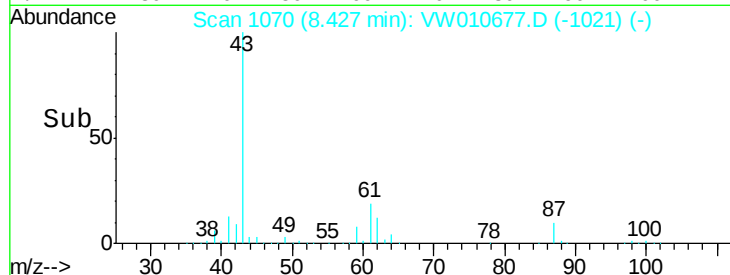
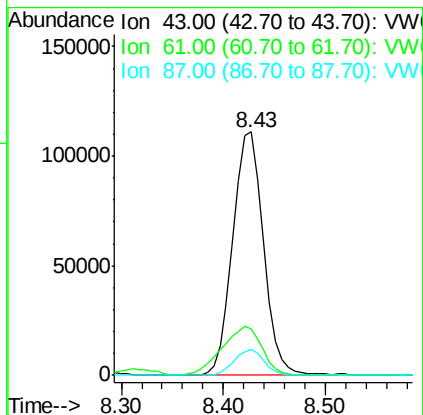
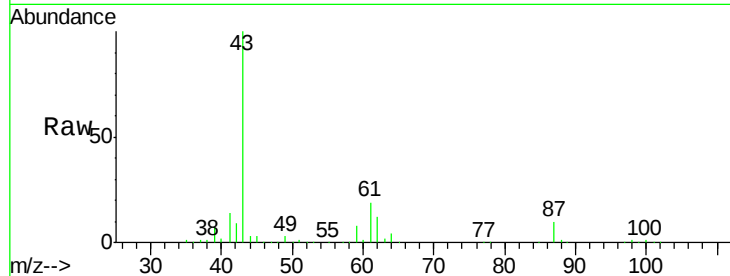
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	230523
Ion	Ratio	Lower	Upper
43	100		
61	26.5	21.2	31.8
87	10.4	8.3	12.5

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#44

Trichloroethene

Concen: 47.389 ug/l

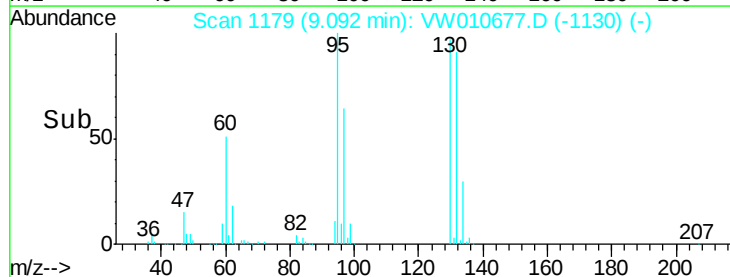
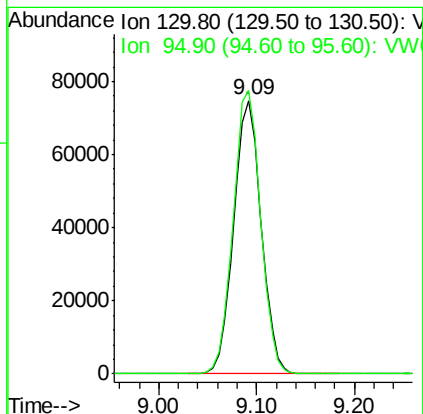
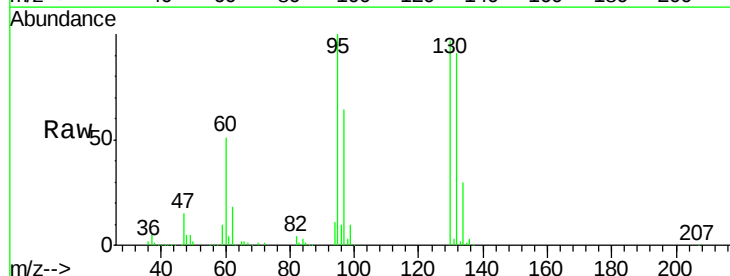
RT: 9.09 min Scan# 1179

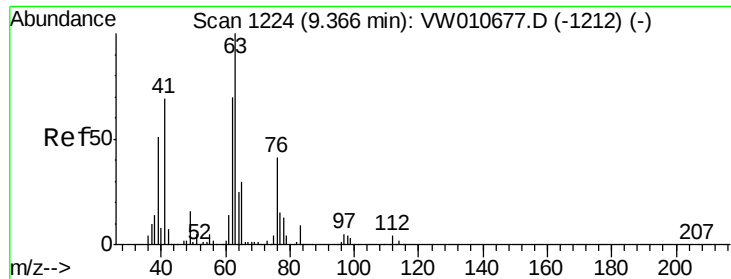
Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Tgt Ion:	130	Resp:	146234
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	207.0





#45

1,2-Dichloropropane

Concen: 47.901 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 63 Resp: 158624

Ion Ratio Lower Upper

63 100

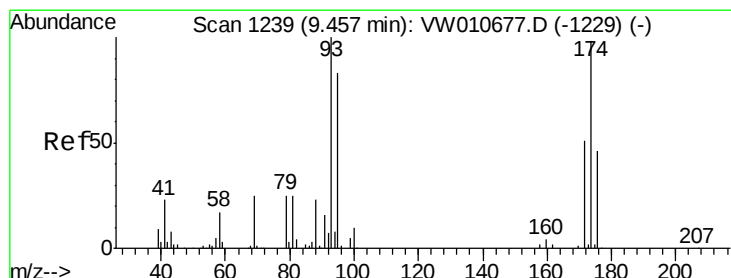
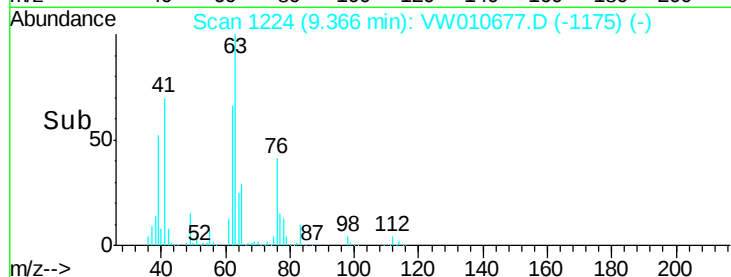
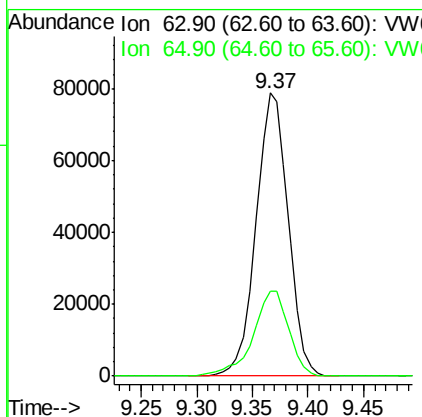
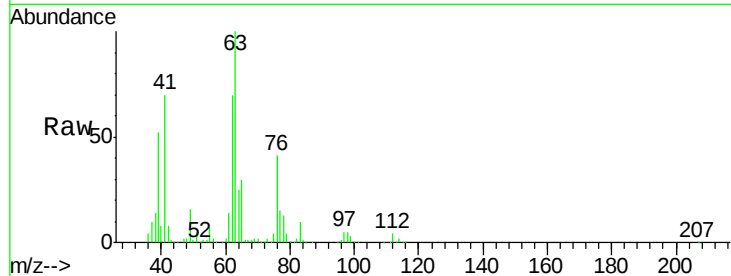
65 29.7 23.8 35.6

Manual Integrations

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#46

Dibromomethane

Concen: 47.505 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

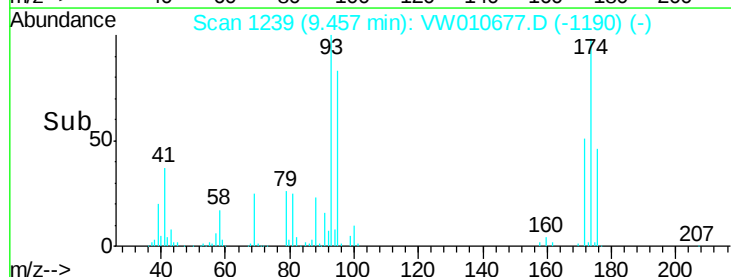
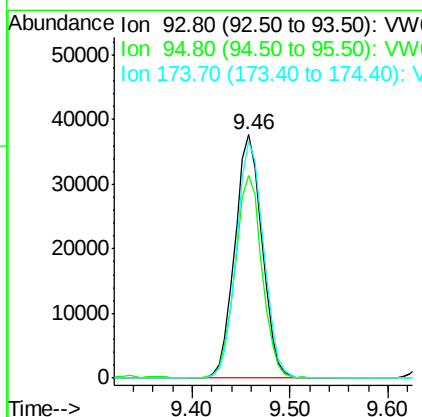
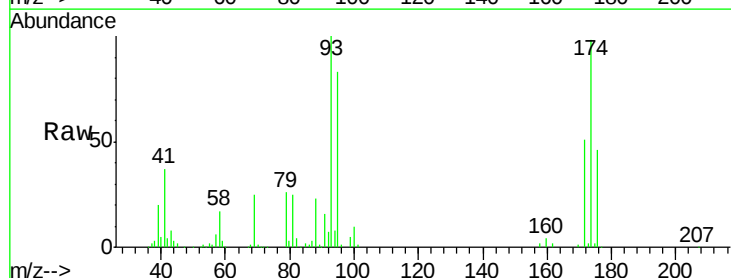
Tgt Ion: 93 Resp: 73067

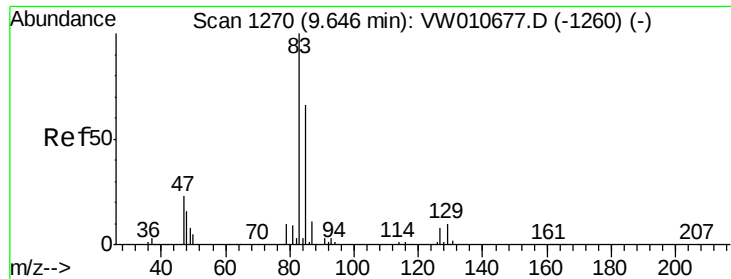
Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.8

174 96.7 77.4 116.0





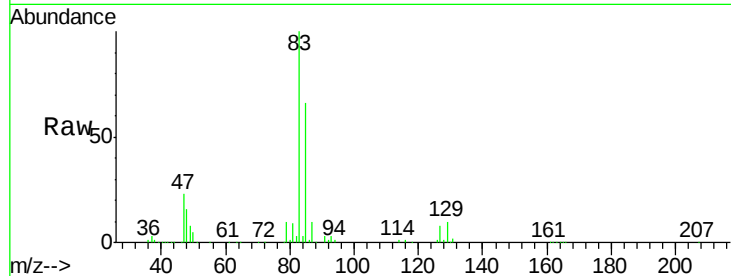
#47
Bromodichloromethane
Concen: 48.177 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

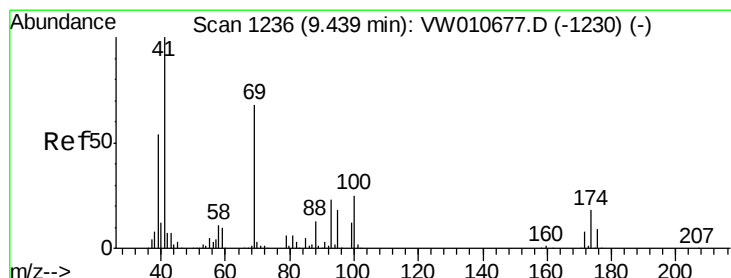
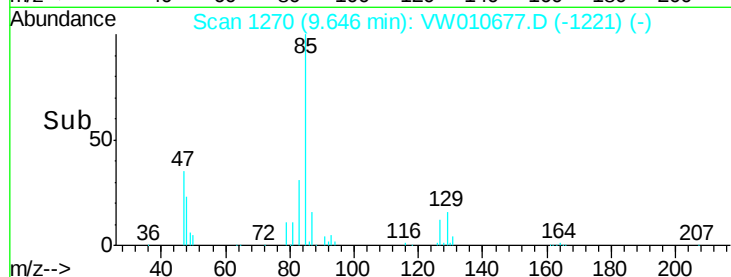
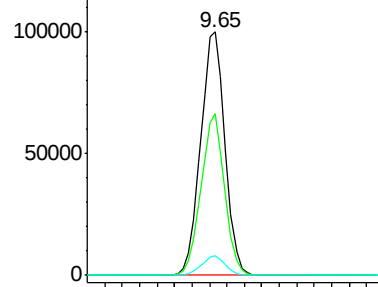
Tot Ion	83	Resp	192083
Ion Ratio	100	Lower	Upper
83	100		
85	66.2	53.0	79.4
127	8.0	6.4	9.6

Manual Integrations
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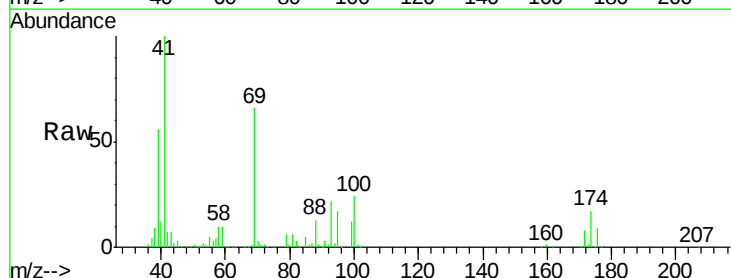


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

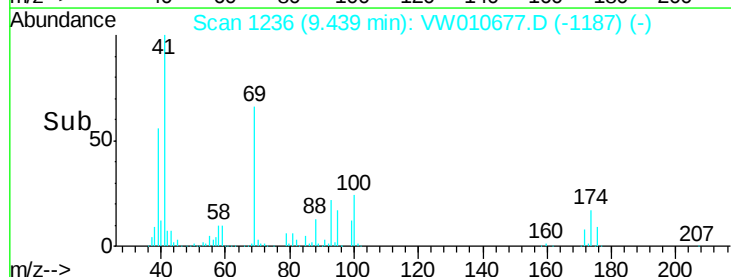
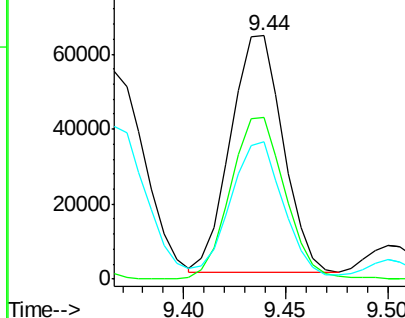


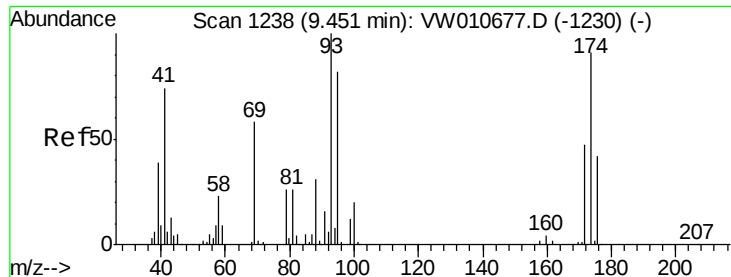
#48
Methyl methacrylate
Concen: 47.769 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	41	Resp	113066
Ion Ratio	100	Lower	Upper
41	100		
69	70.8	56.6	85.0
39	55.5	44.4	66.6



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





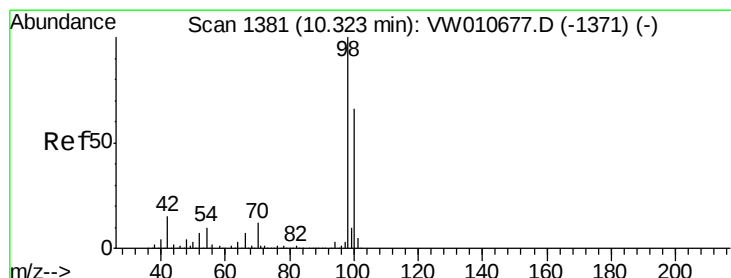
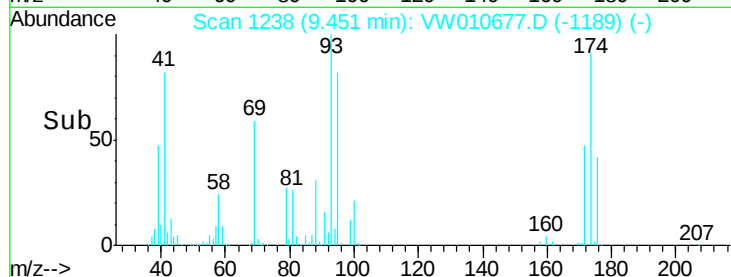
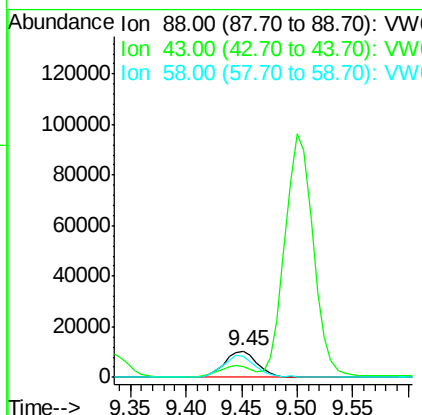
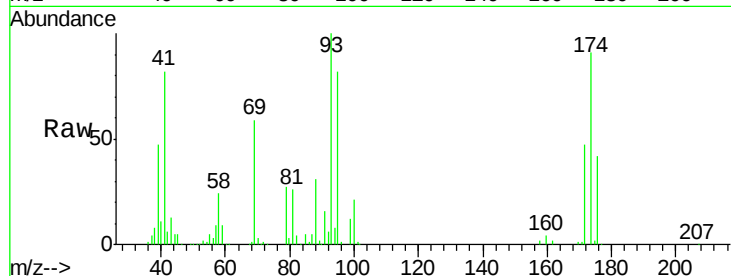
#49
1,4-Dioxane
Concen: 884.045 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	21259
Ion	Ratio	Lower	Upper
88	100		
43	42.8	34.2	51.4
58	86.2	69.0	103.4

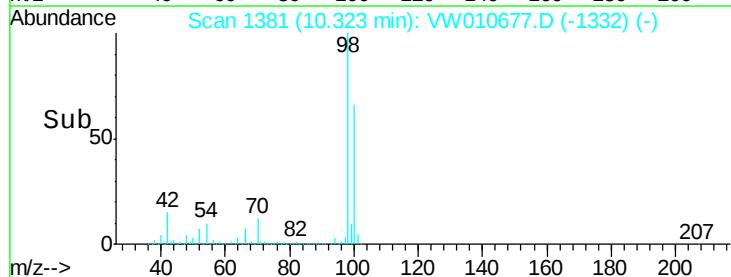
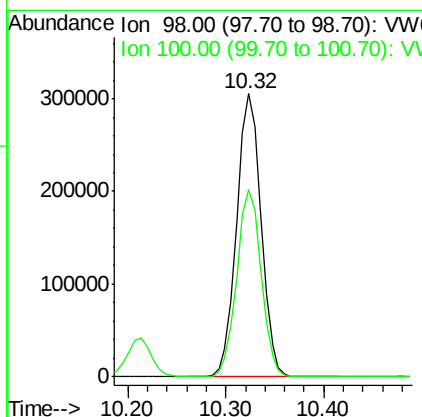
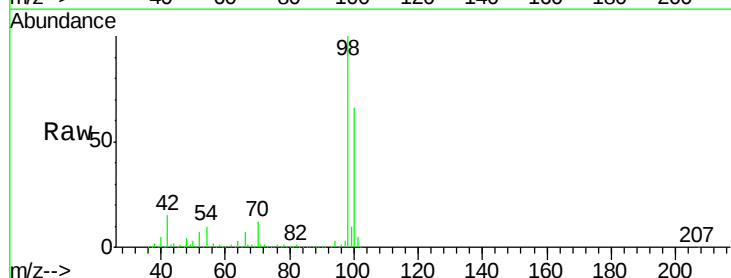
Manual Integrations
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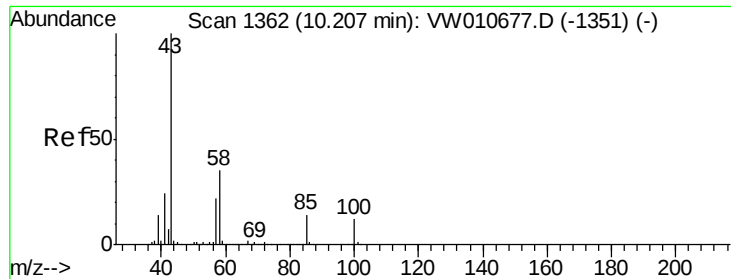
MMDadoda
6/5/2019 3:05:02 PM



#50
Toluene-d8
Concen: 49.680 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	98	Resp	529720
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 232.466 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 583012

Ion Ratio Lower Upper

43 100

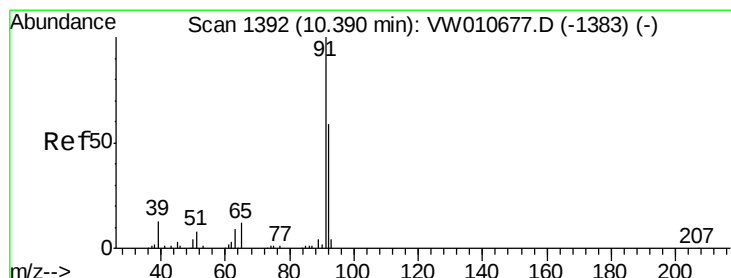
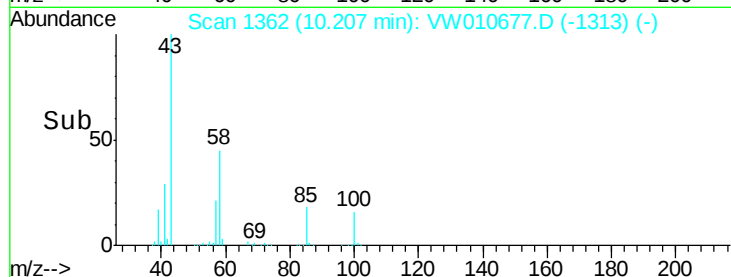
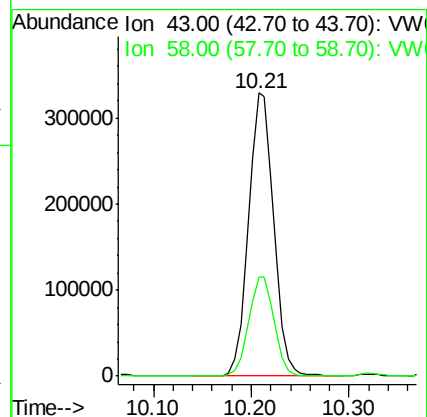
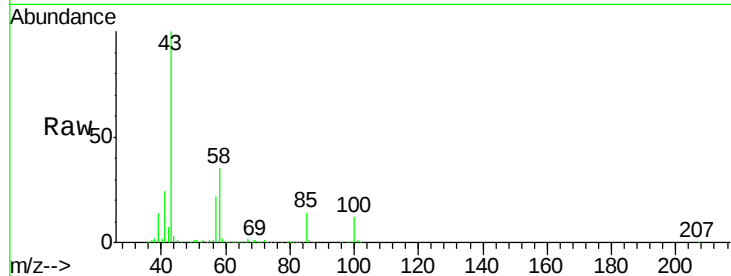
58 35.5 28.4 42.6

Manual Integrations

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#52

Toluene

Concen: 48.073 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010677.D

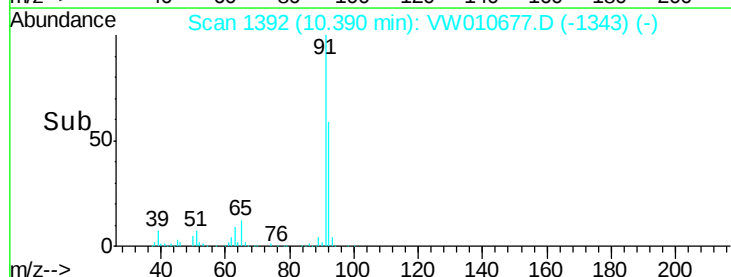
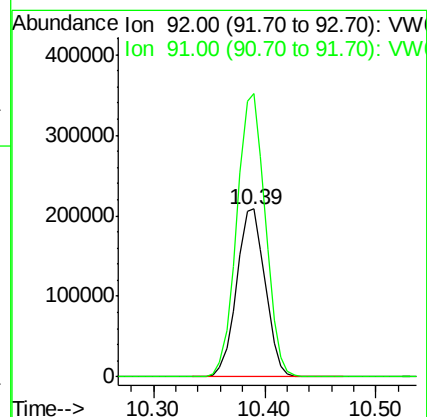
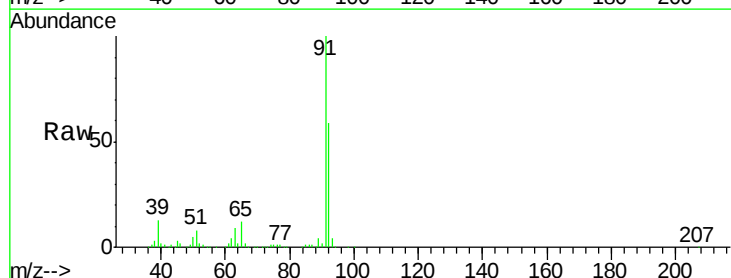
Acq: 04 Jun 2019 15:41

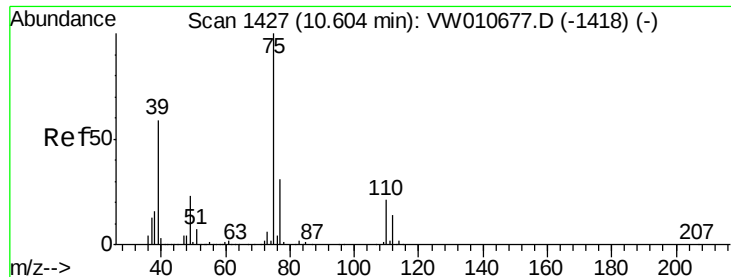
Tgt Ion: 92 Resp: 370018

Ion Ratio Lower Upper

92 100

91 168.6 134.9 202.3





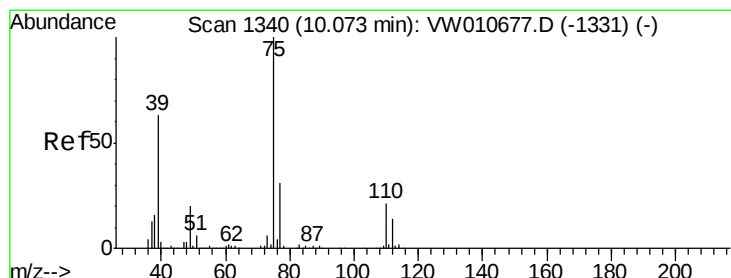
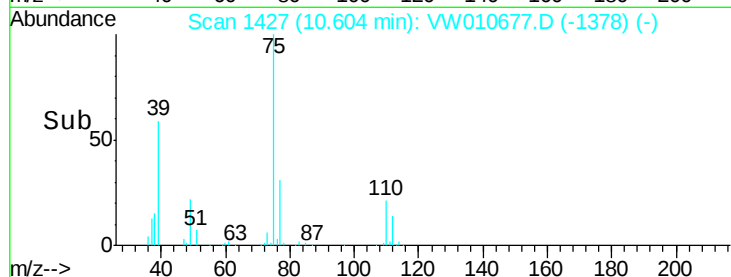
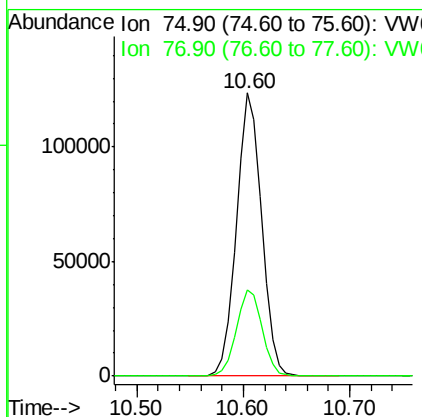
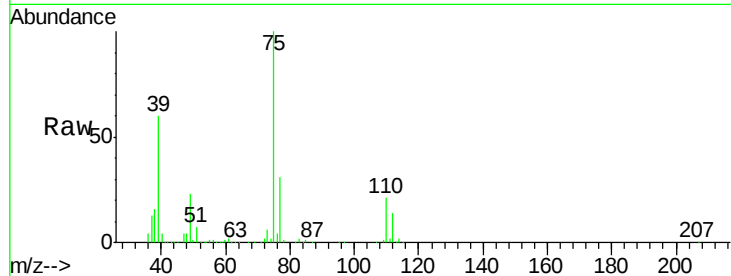
#53
t-1,3-Dichloropropene
Concen: 48.557 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	24.6	36.8

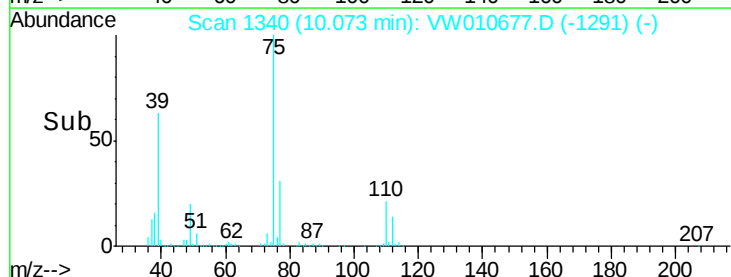
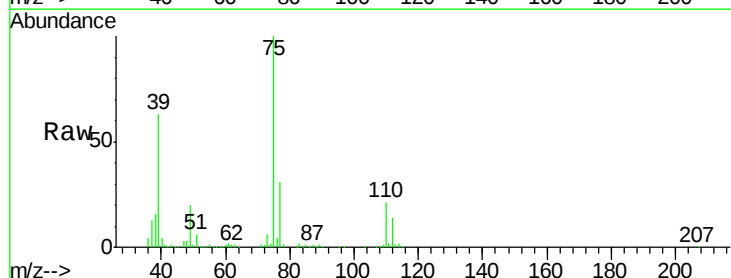
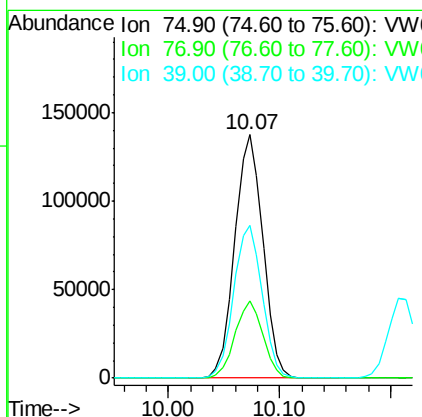
Manual Integrations
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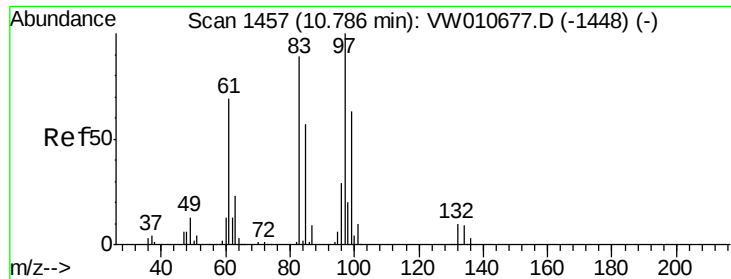
MMDadoda
6/5/2019 3:05:02 PM



#54
cis-1,3-Dichloropropene
Concen: 48.454 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.2	37.8
39	62.6	50.1	75.1





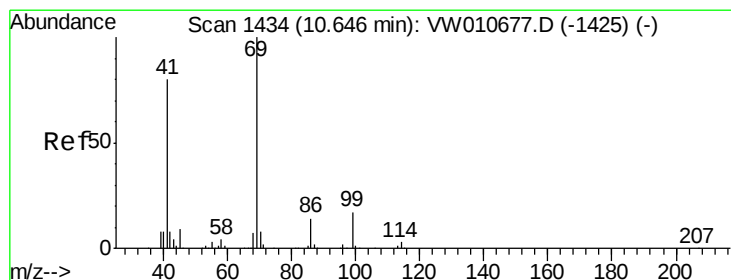
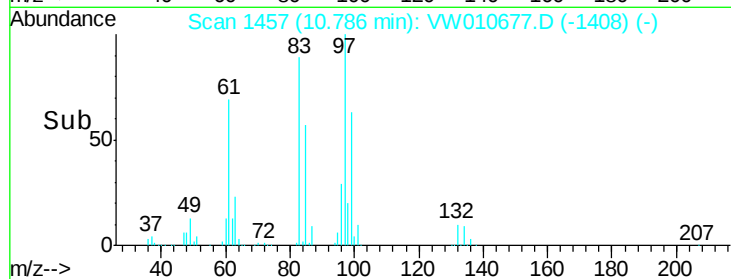
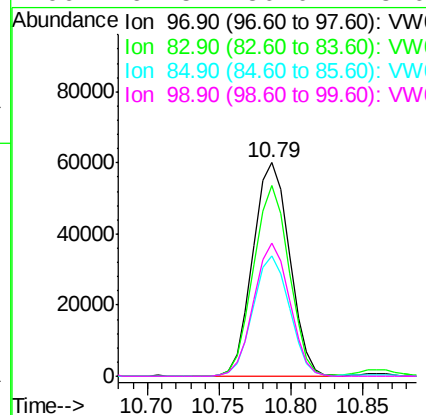
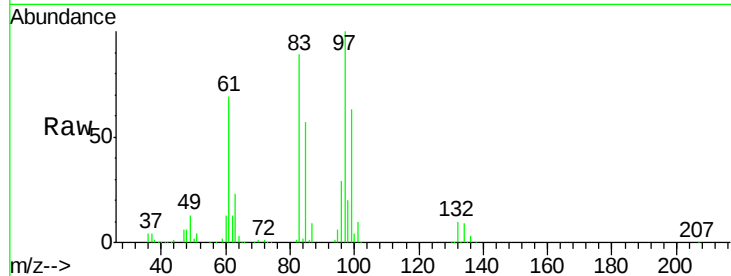
#55
 1,1,2-Trichloroethane
 Concen: 47.824 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	105967
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.1	106.7
85	56.5	45.2	67.8
99	62.5	50.0	75.0

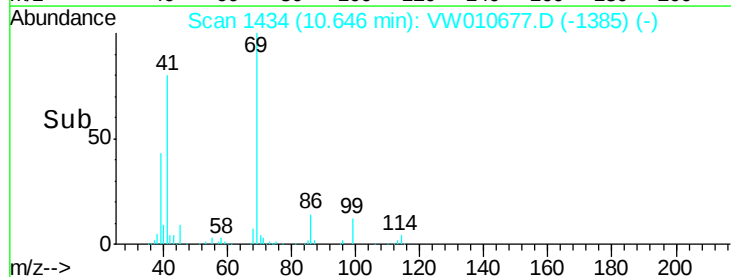
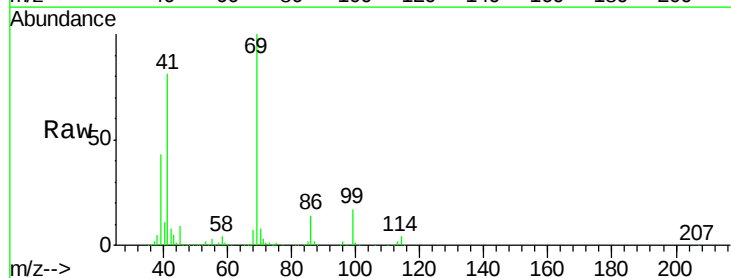
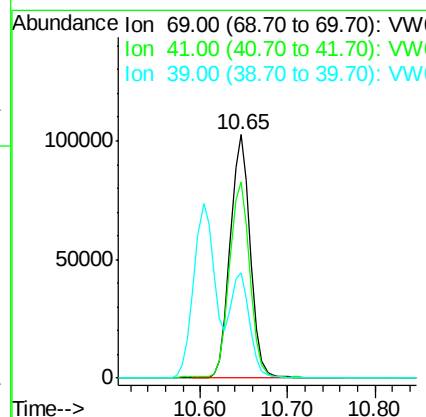
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#56
 Ethyl methacrylate
 Concen: 47.876 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Tgt Ion:	69	Resp:	163234
Ion	Ratio	Lower	Upper
69	100		
41	81.0	64.8	97.2
39	40.2	32.2	48.2





#57

1,3-Dichloropropane

Concen: 47.325 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 197618

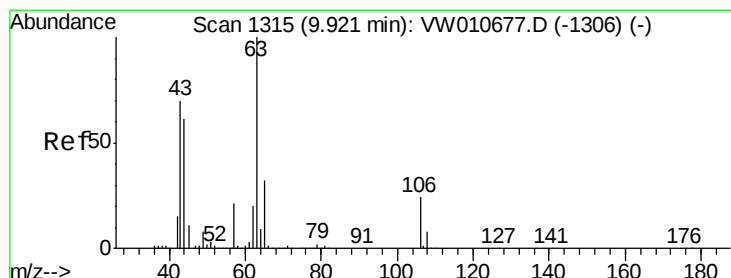
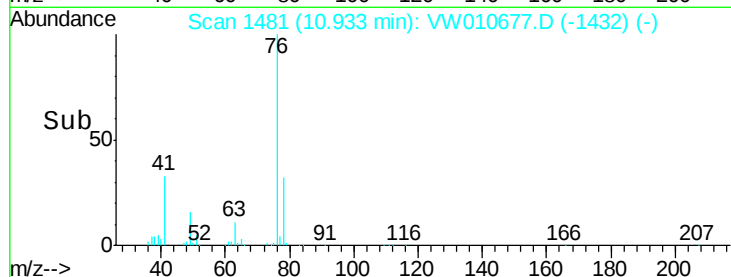
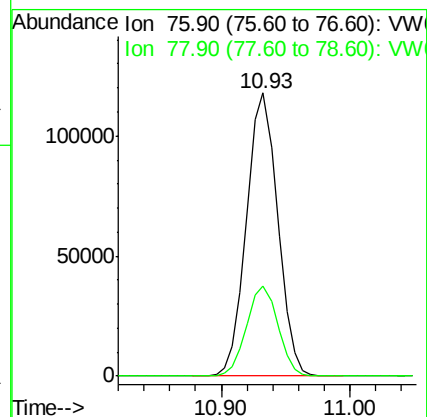
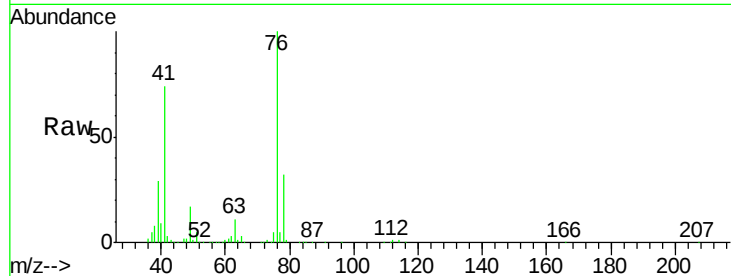
Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5

Manual Integrations
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6/5/2019 3:05:02 PM



#58

2-Chloroethyl Vinyl ether

Concen: 223.707 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010677.D

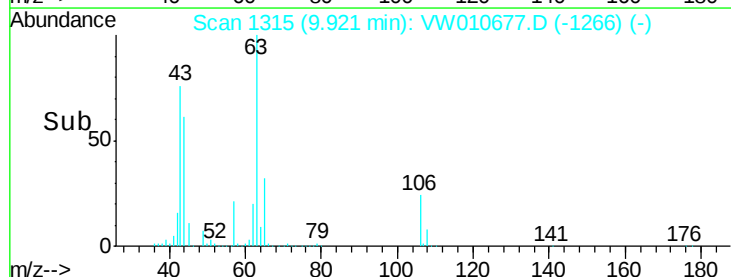
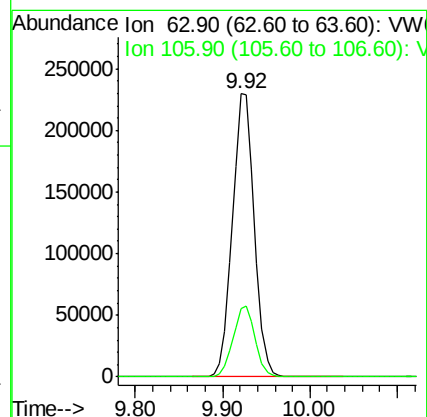
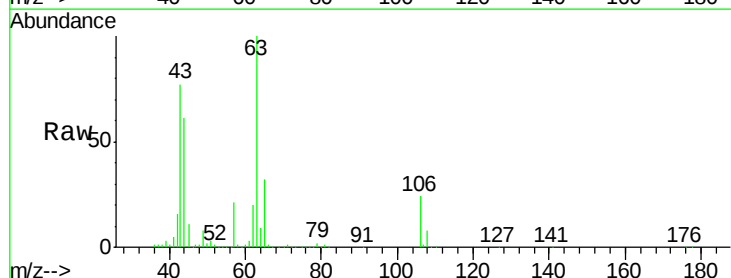
Acq: 04 Jun 2019 15:41

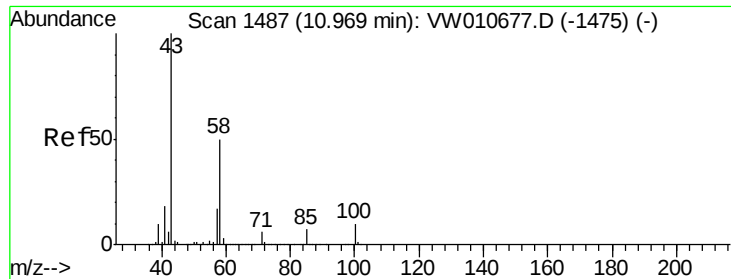
Tgt Ion: 63 Resp: 399501

Ion Ratio Lower Upper

63 100

106 25.1 20.1 30.1





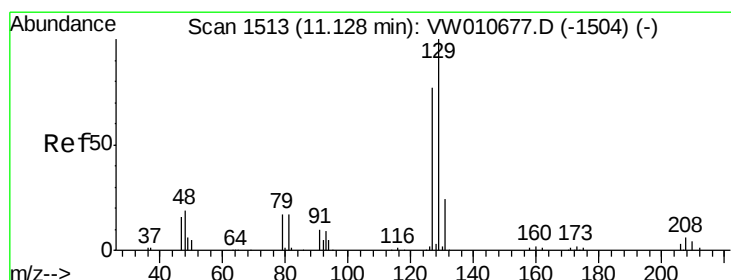
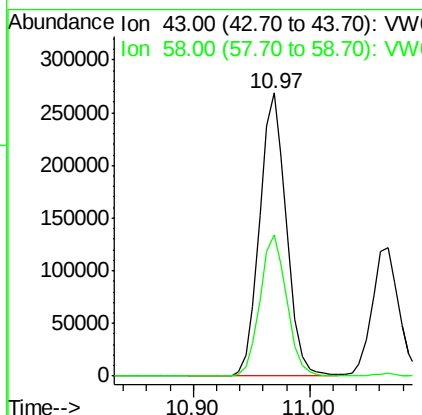
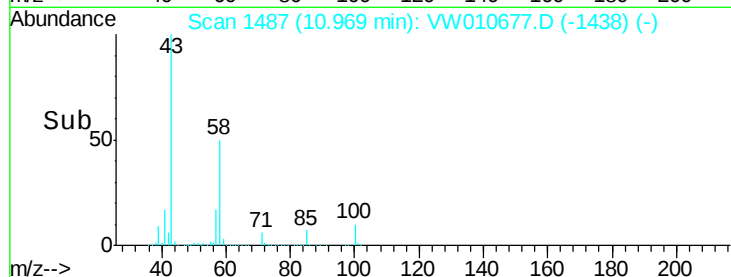
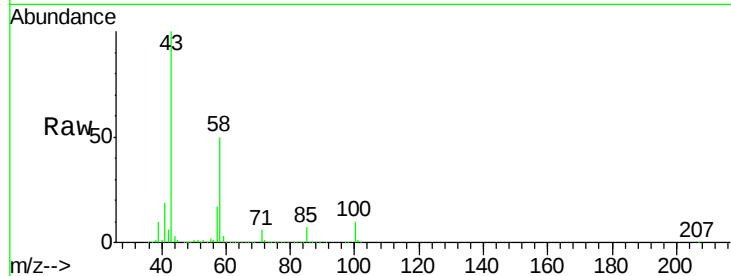
#59
2-Hexanone
Concen: 237.339 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 430188
Ion Ratio Lower Upper
43 100
58 49.7 24.9 74.6

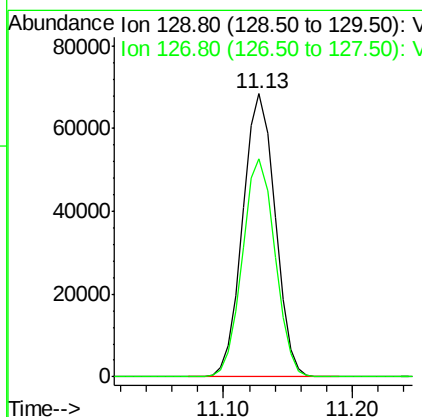
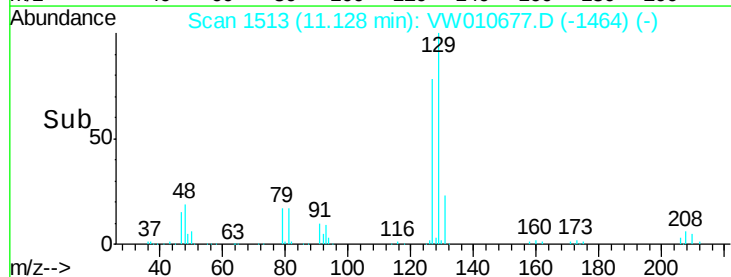
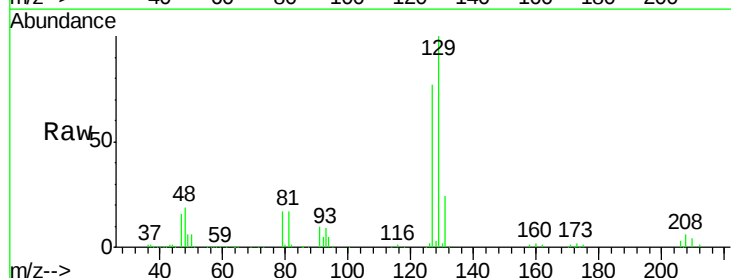
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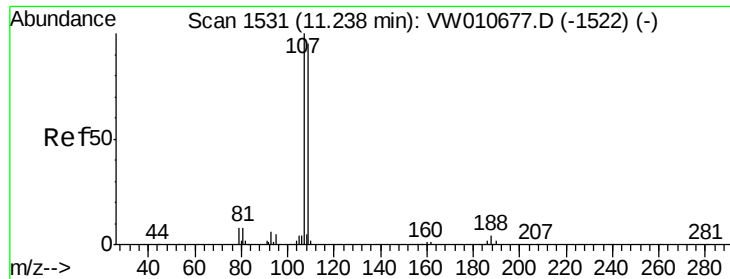
MMDadoda
6/5/2019 3:05:02 PM



#60
Dibromochloromethane
Concen: 48.444 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion: 129 Resp: 118992
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





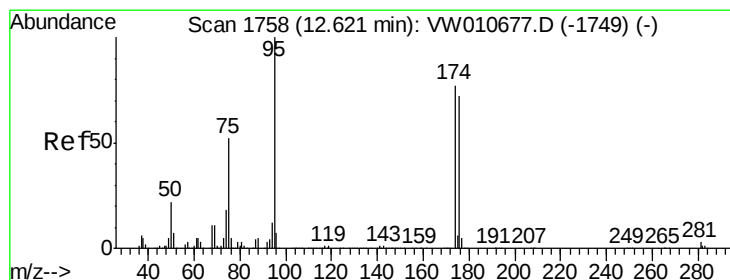
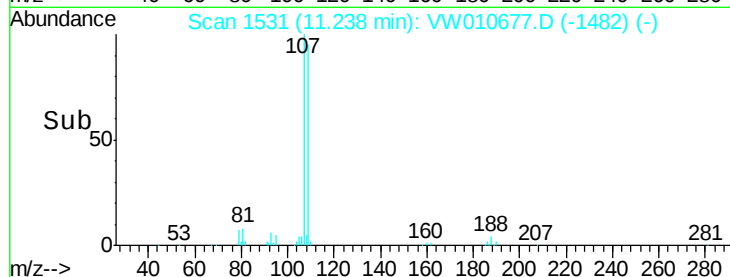
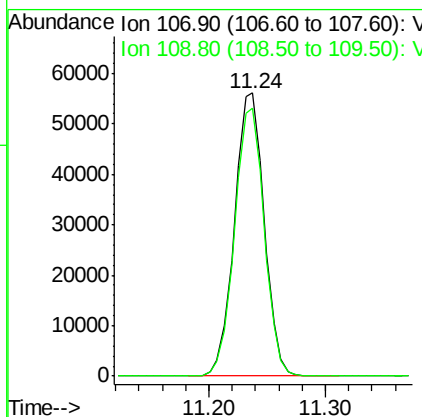
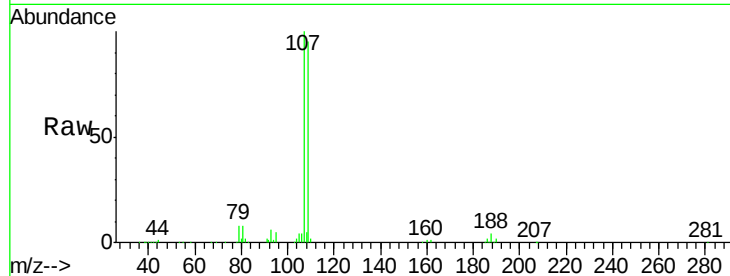
#61
 1,2-Dibromoethane
 Concen: 47.504 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8

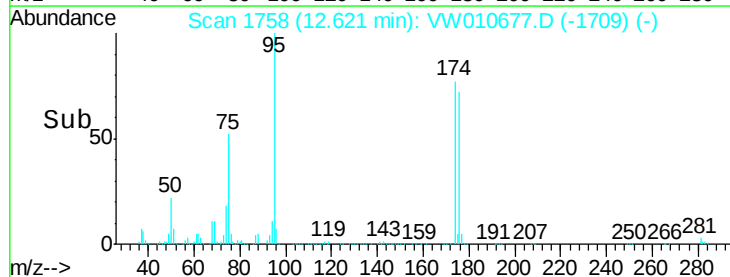
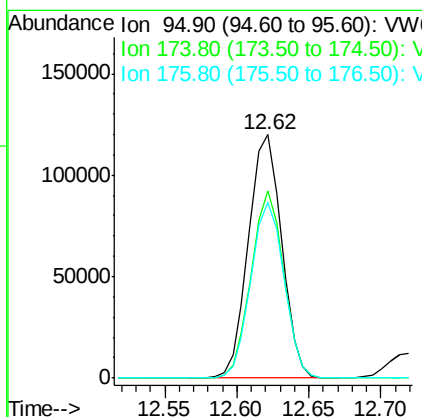
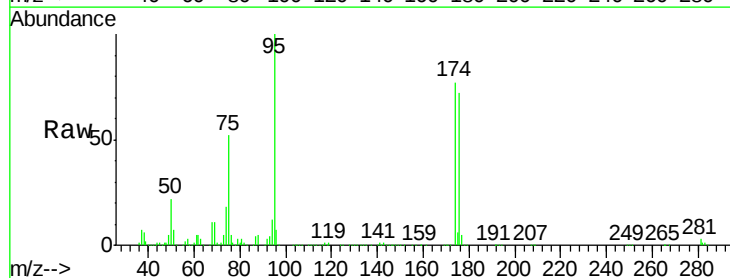
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#62
 4-Bromofluorobenzene
 Concen: 49.307 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	150.4
176	72.4	0.0	144.8





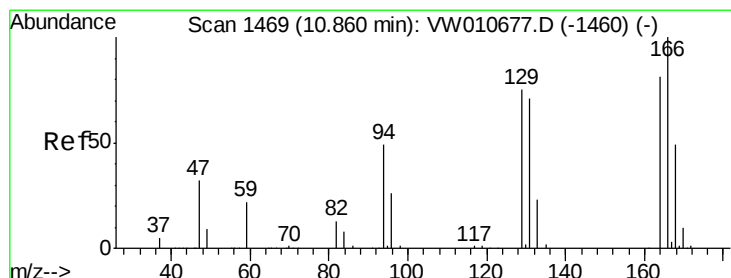
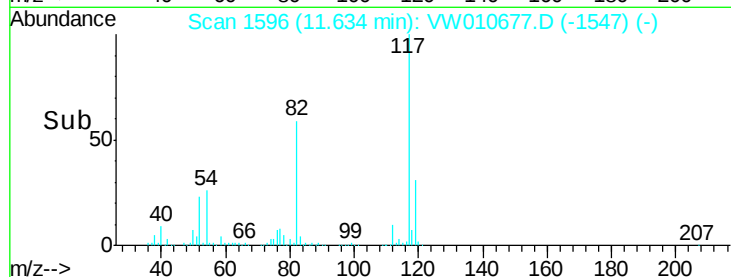
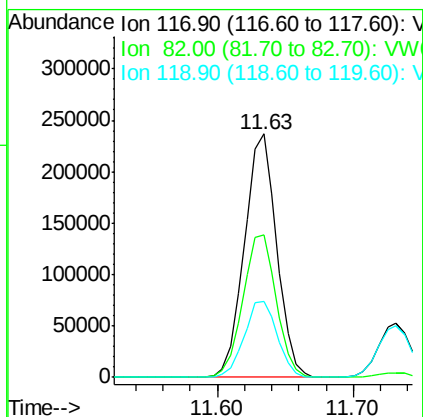
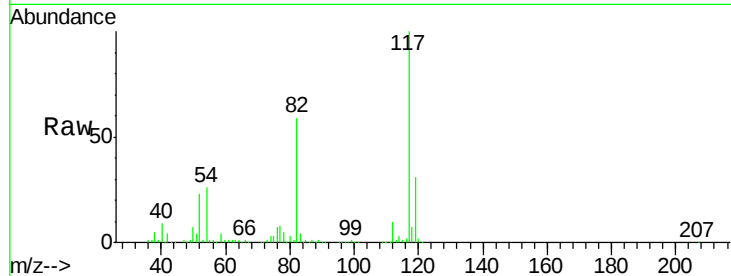
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.0	70.4
119	31.4	25.1	37.7

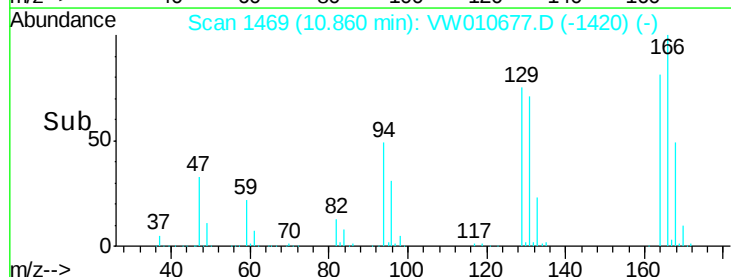
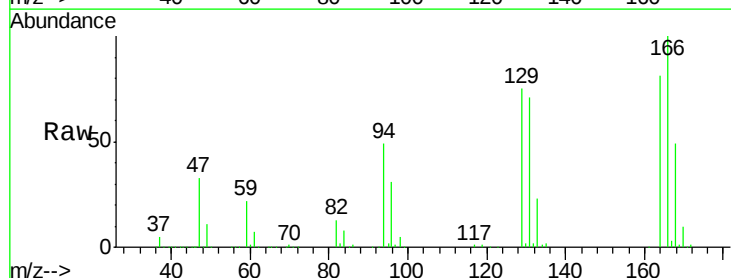
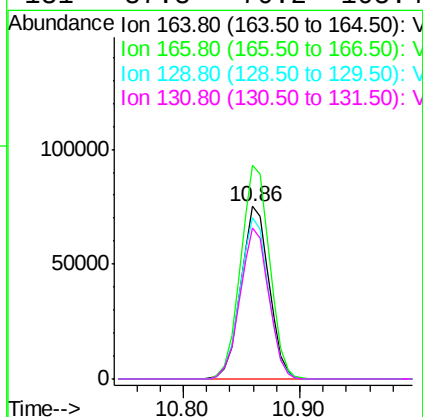
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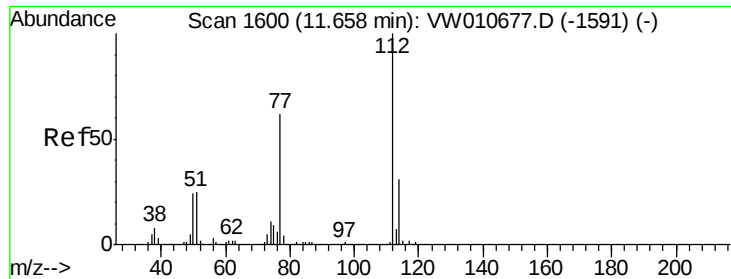
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#64
Tetrachloroethene
Concen: 48.608 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.0	99.2	148.8
129	93.3	74.6	112.0
131	87.8	70.2	105.4





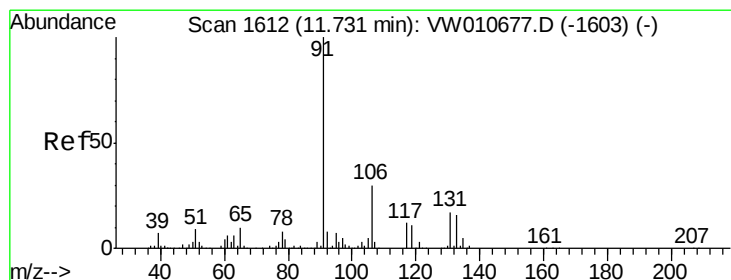
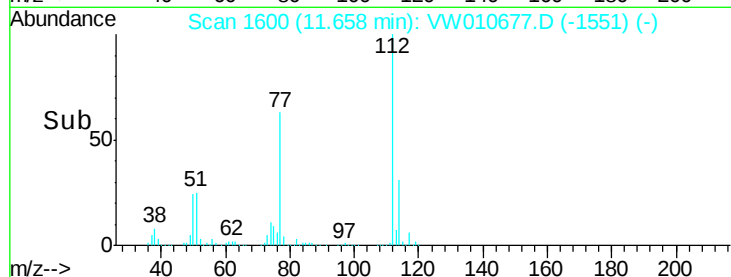
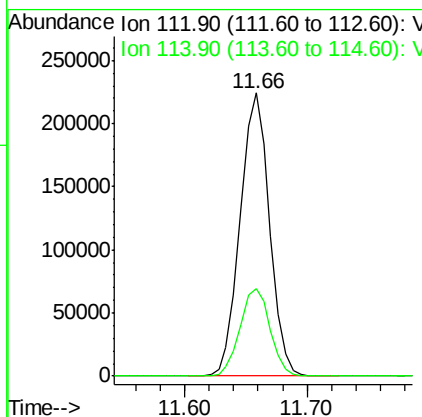
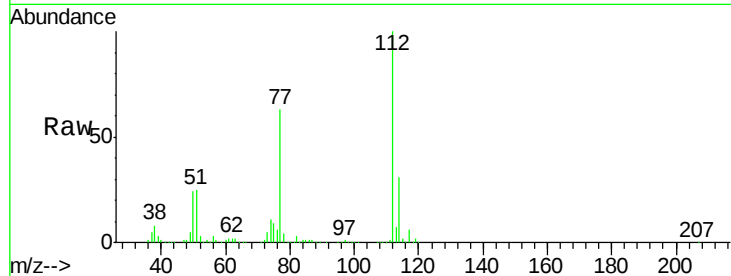
#65
Chlorobenzene
Concen: 48.116 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.8	37.2

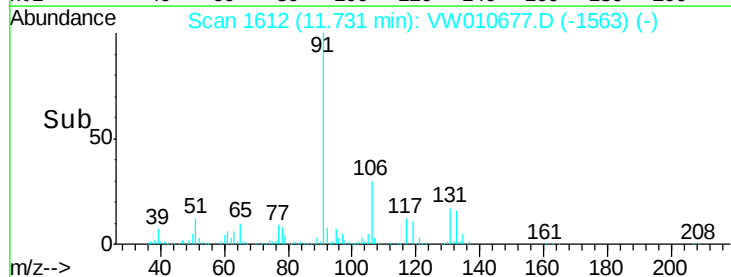
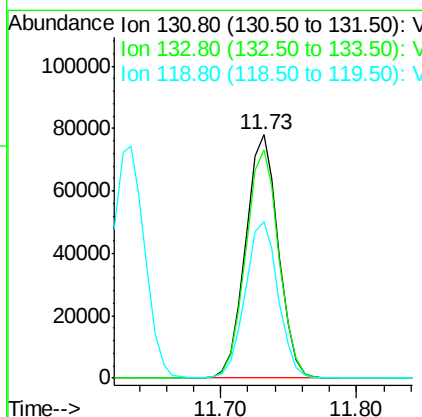
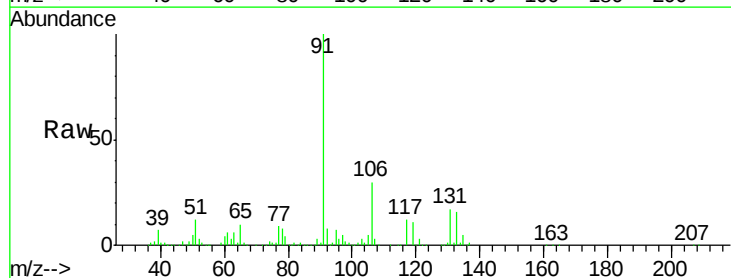
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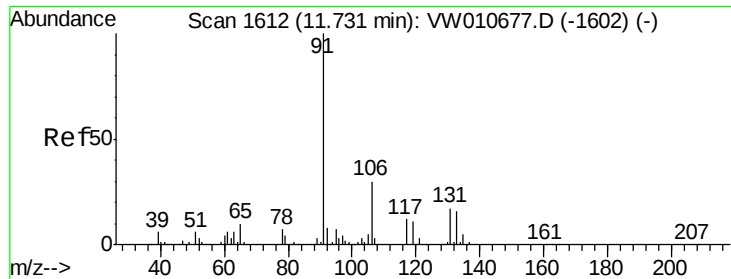
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.068 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.3	141.9
119	64.7	32.4	97.0





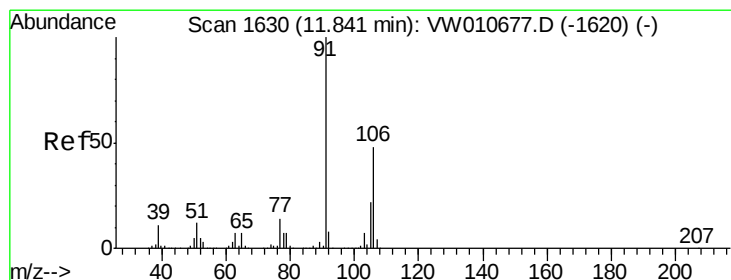
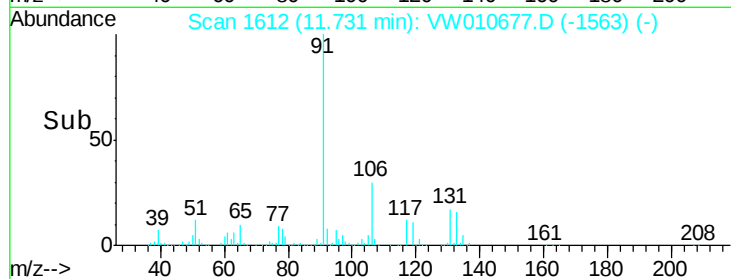
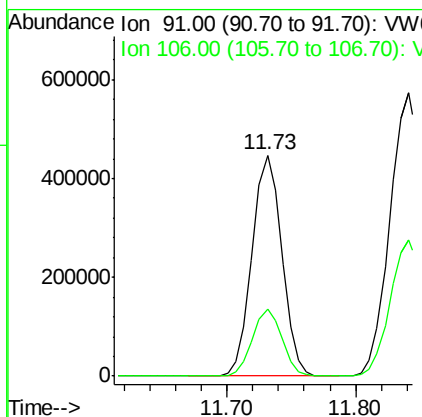
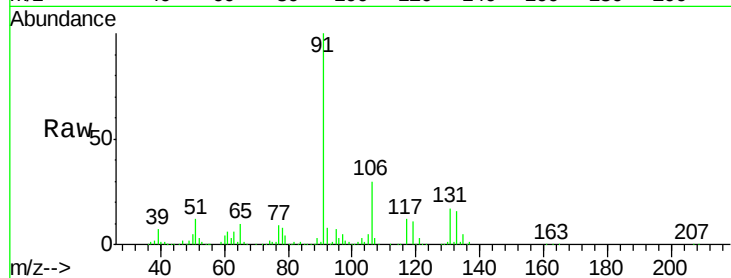
#67
Ethyl Benzene
Concen: 47.910 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 712932
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.4

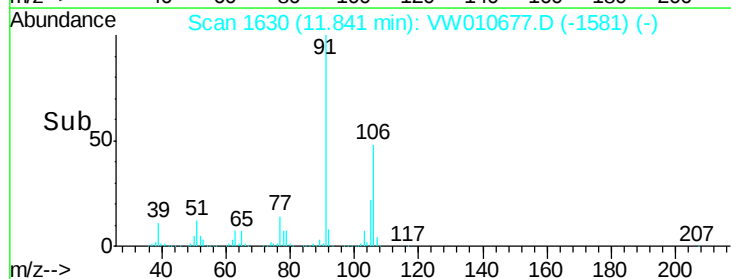
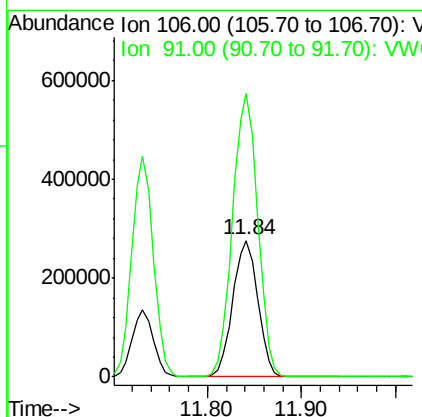
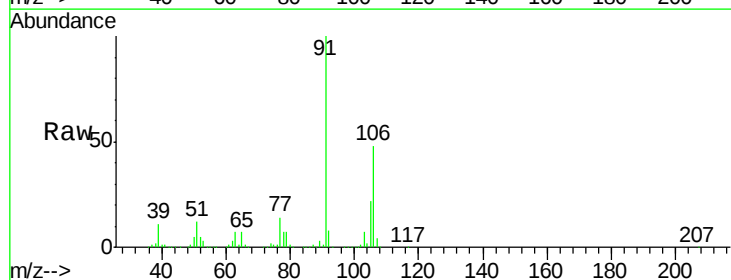
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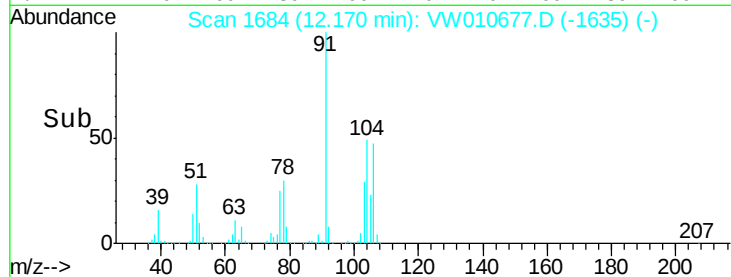
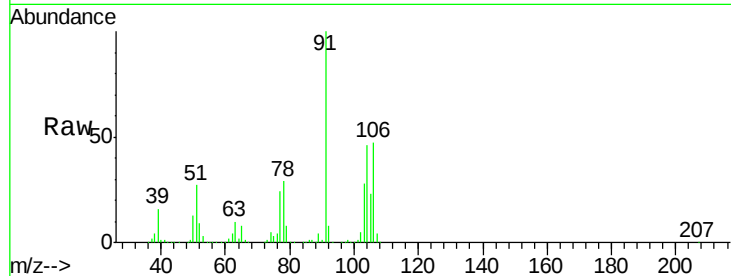
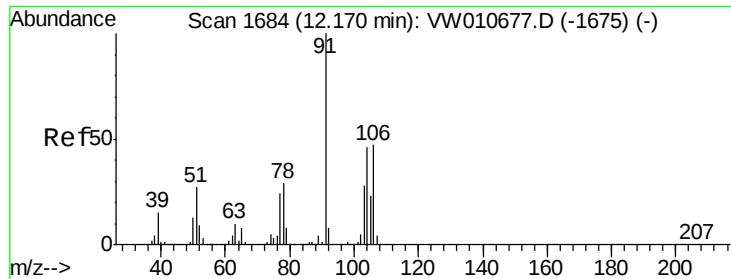
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#68
m/p-Xylenes
Concen: 95.995 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion: 106 Resp: 511348
Ion Ratio Lower Upper
106 100
91 208.1 166.5 249.7





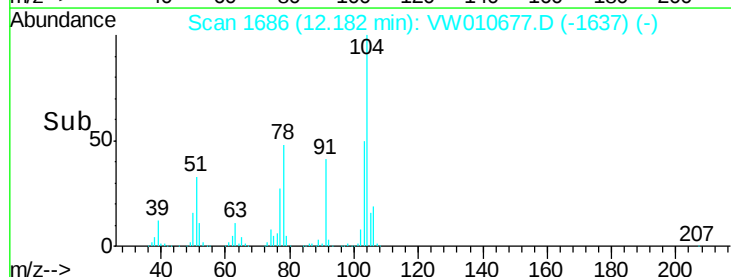
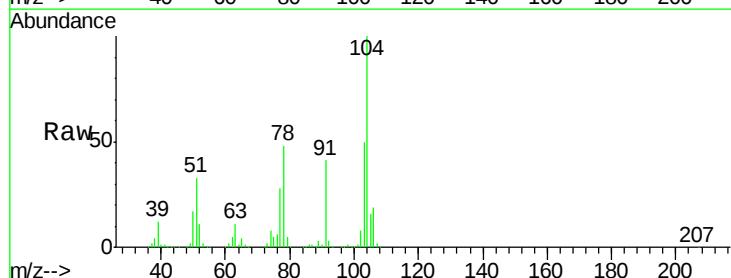
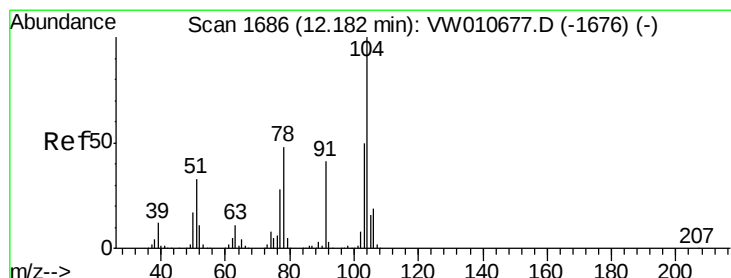
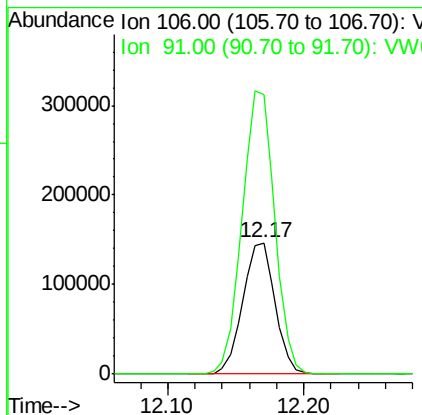
#69
o-Xylene
Concen: 48.158 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		243298		
91	217.7	108.9	326.6		

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

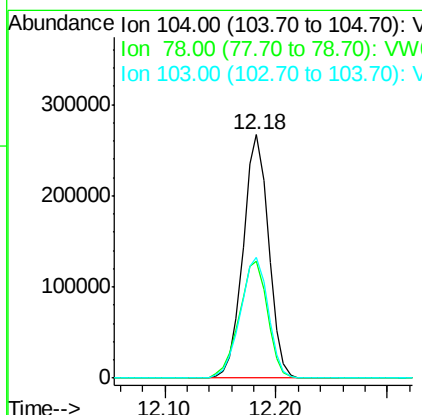
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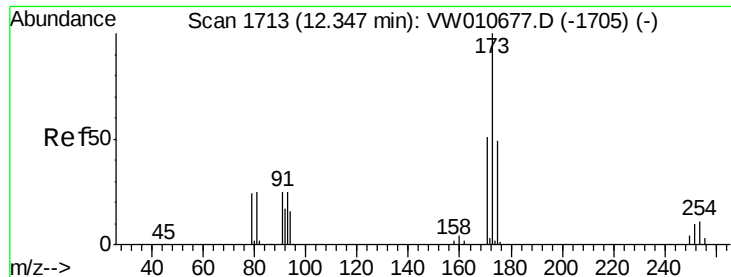
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#70
Styrene
Concen: 48.360 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		424411		
78	53.4	42.7	64.1		
103	54.5	43.6	65.4		





#71

Bromoform

Concen: 48.593 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 67360

Ion Ratio Lower Upper

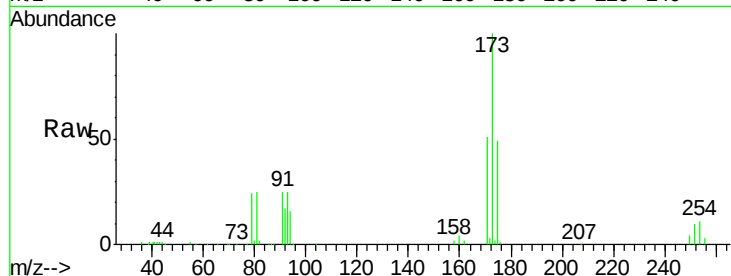
173 100

175 48.5 24.3 72.8

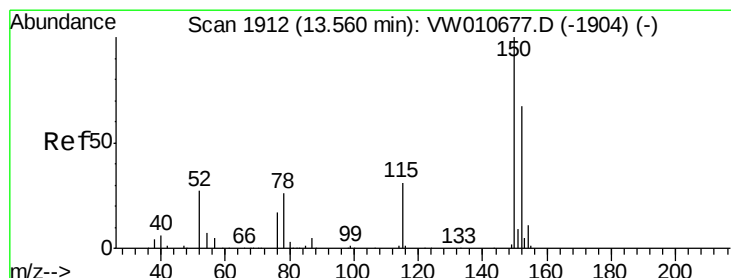
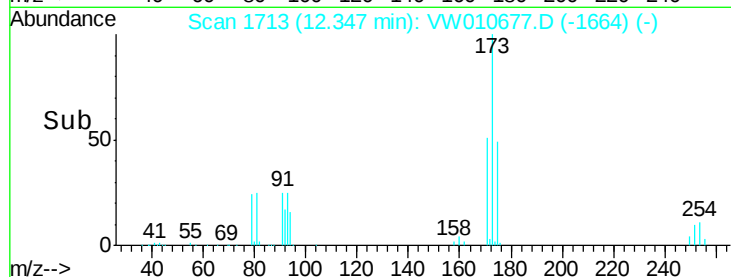
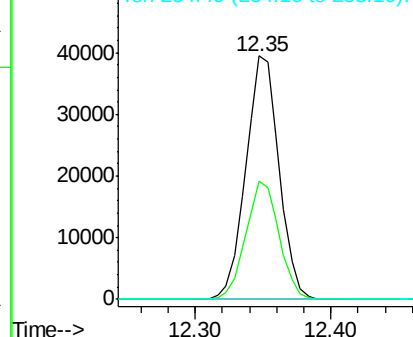
254 0.1 0.1 0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

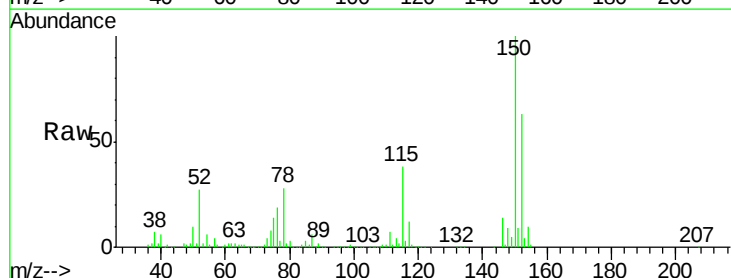
Tgt Ion:152 Resp: 183960

Ion Ratio Lower Upper

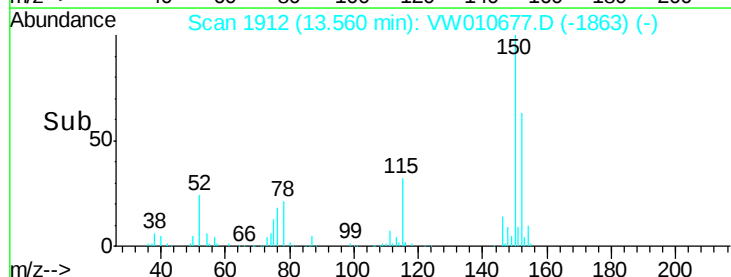
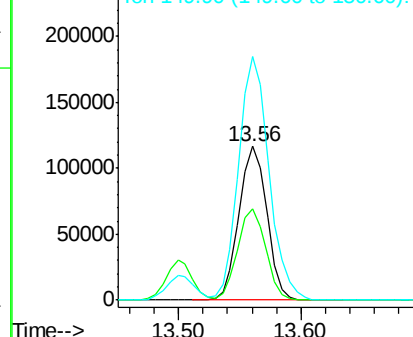
152 100

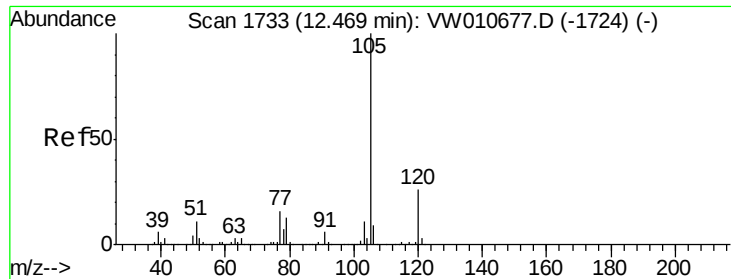
115 59.5 29.8 89.3

150 172.5 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





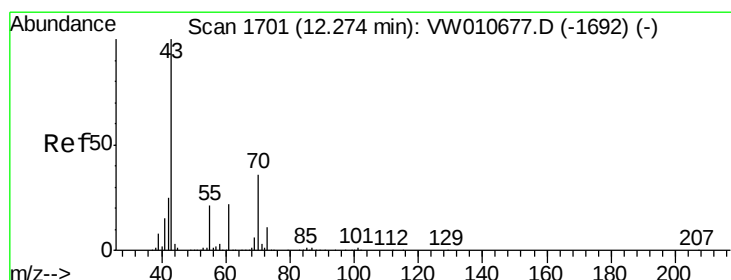
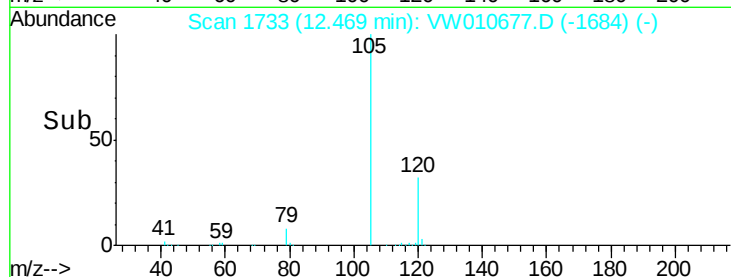
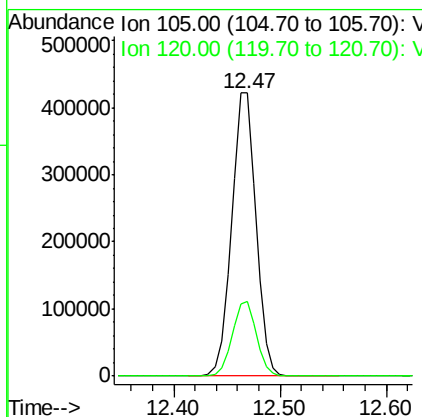
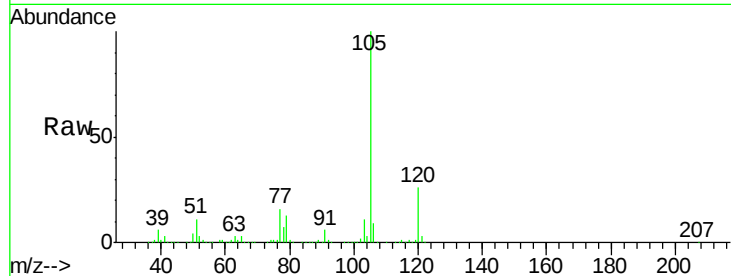
#73
Isopropylbenzene
Concen: 48.993 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.1	39.1

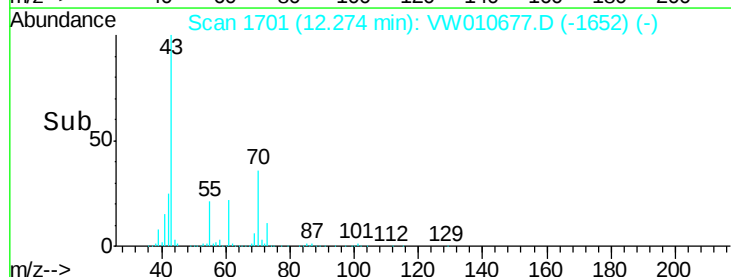
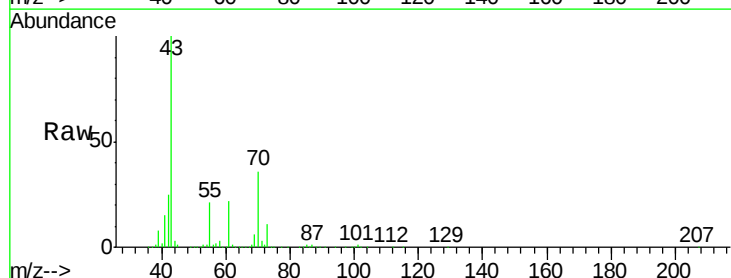
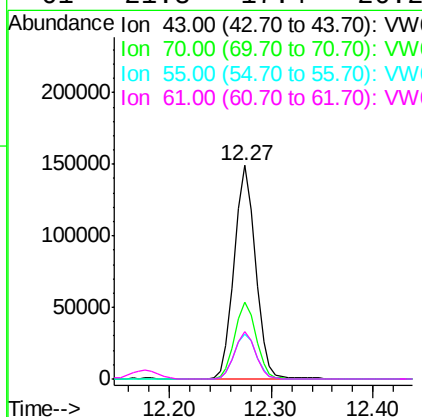
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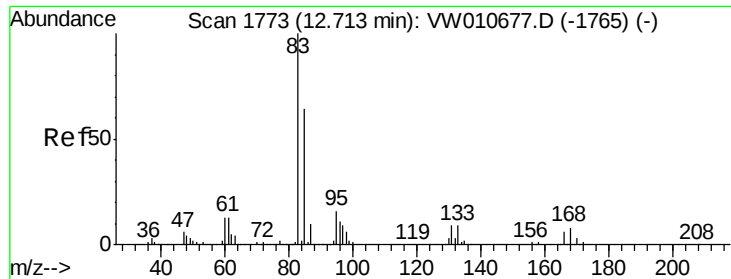
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#74
N-ethyl acetate
Concen: 48.101 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.5	29.2	43.8
55	21.9	17.5	26.3
61	21.8	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 47.986 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

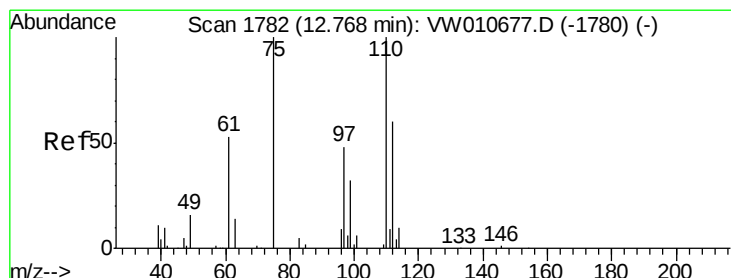
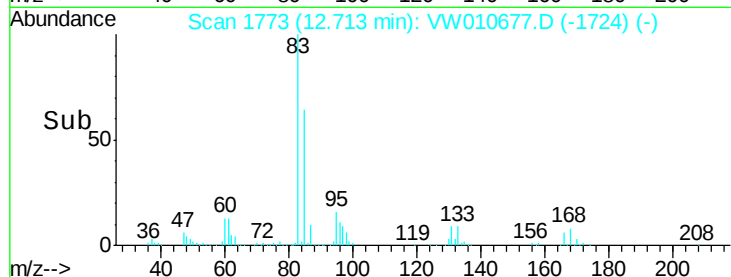
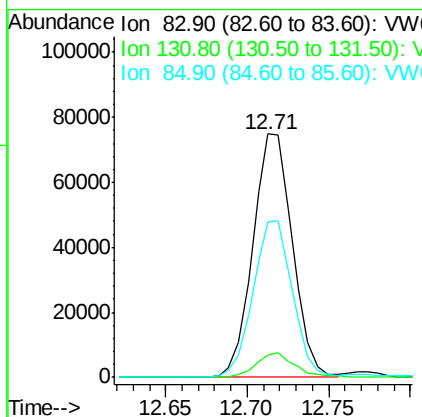
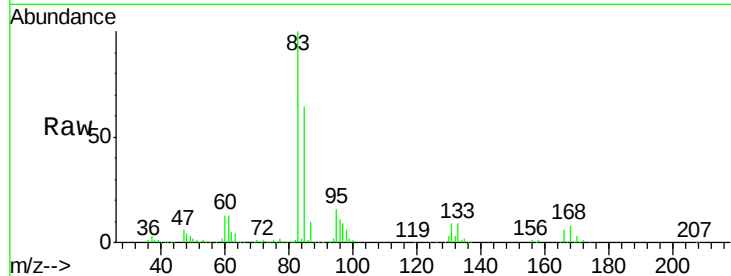
ClientSampled :

VSTDICCC050

Tot Ion:	83	Resp:	126284
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	63.9	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 34.627 ug/l m

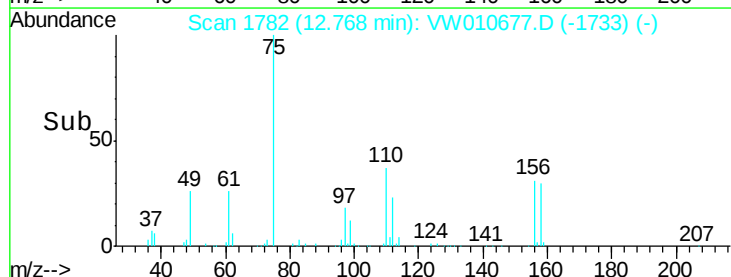
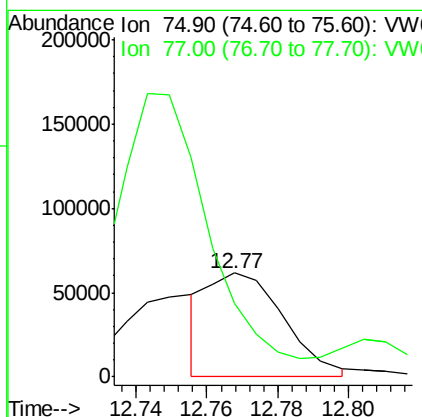
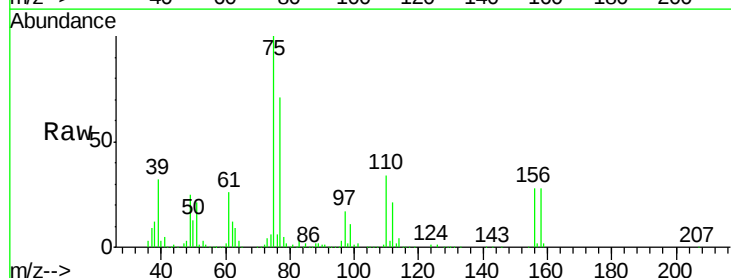
RT: 12.77 min Scan# 1782

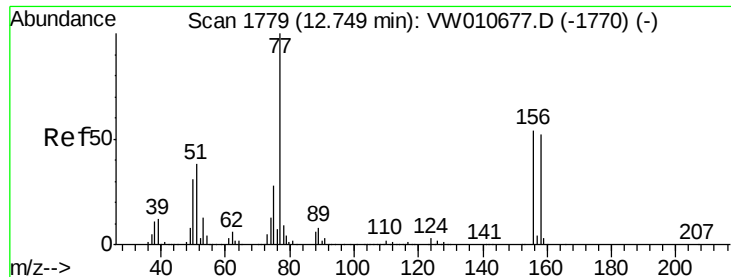
Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Tgt Ion:	75	Resp:	91256
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.968 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

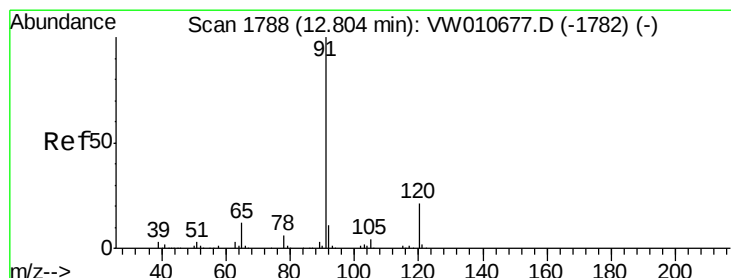
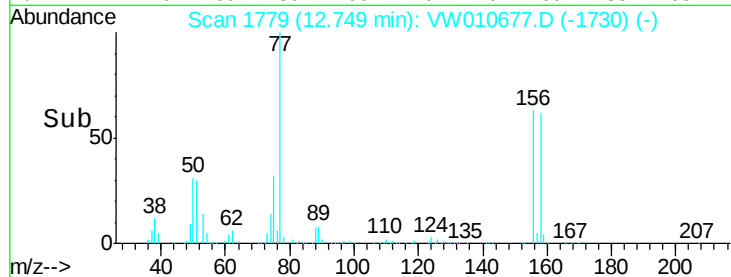
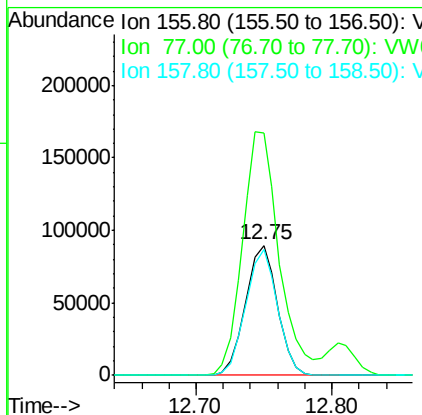
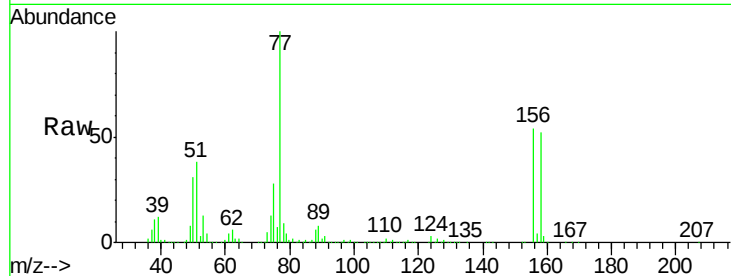
ClientSampled :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	212.9	106.5	319.4		
158	96.6	48.3	144.9		

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#78

n-propylbenzene

Concen: 49.085 ug/l

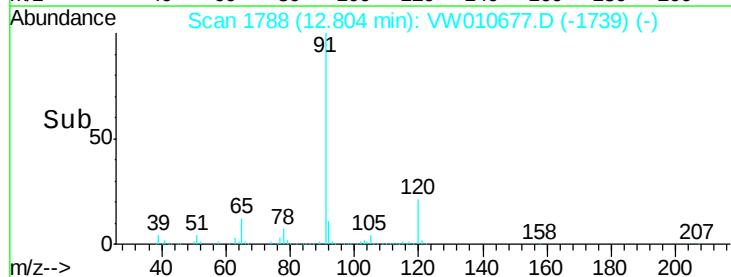
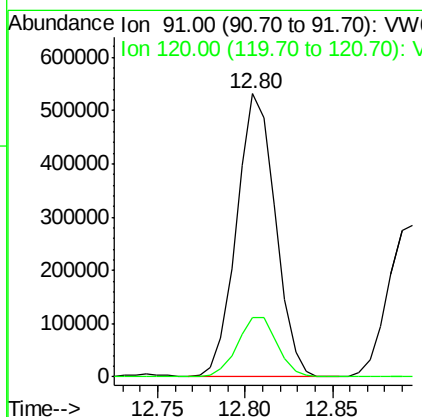
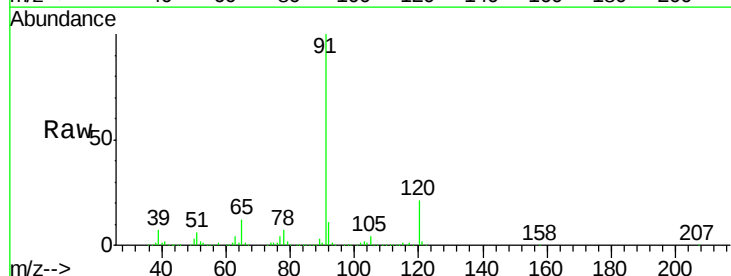
RT: 12.80 min Scan# 1788

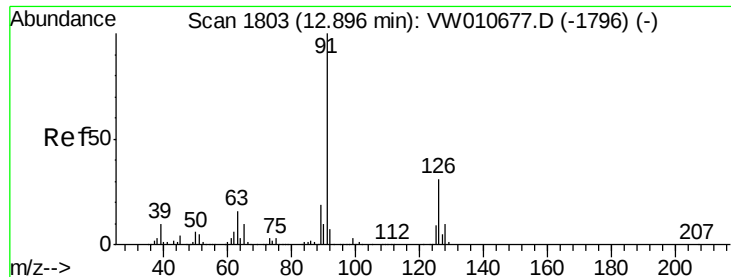
Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.6	10.8	32.4		





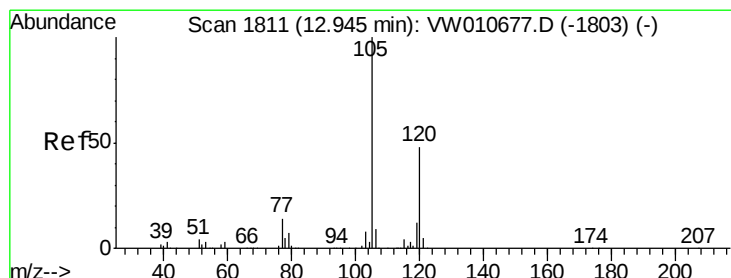
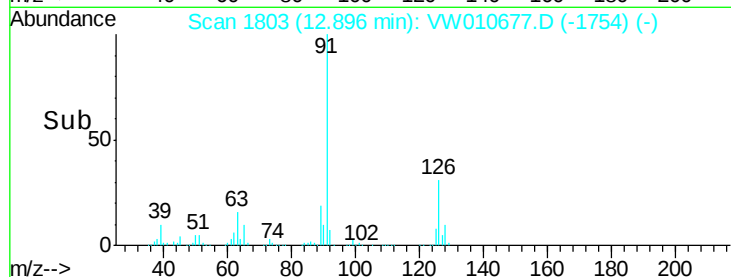
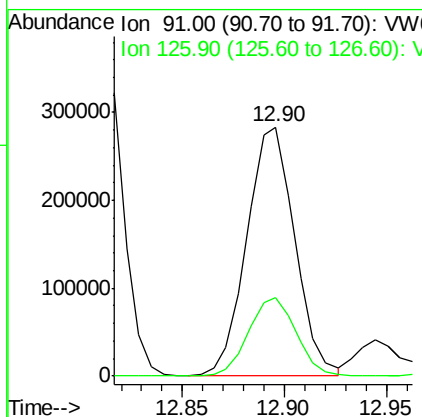
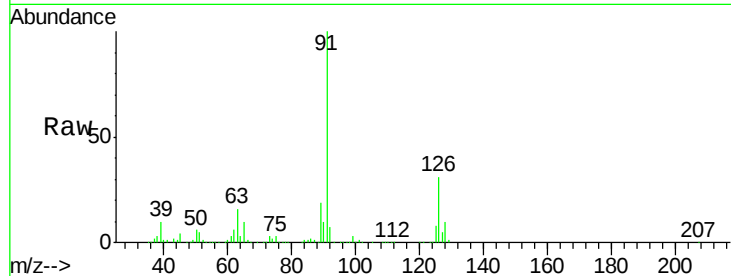
#79
2-Chlorotoluene
Concen: 48.752 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 464270
Ion Ratio Lower Upper
91 100
126 31.3 15.7 47.0

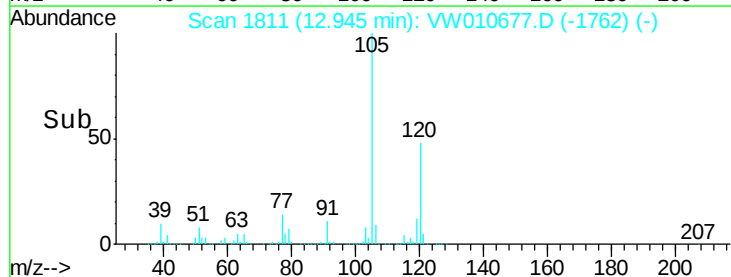
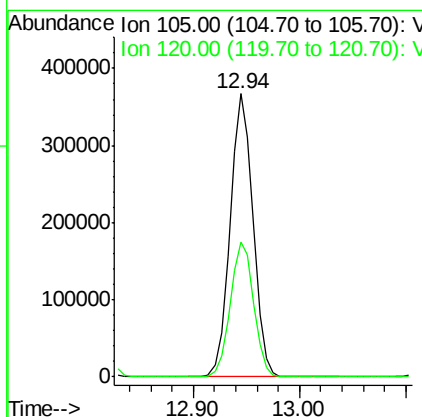
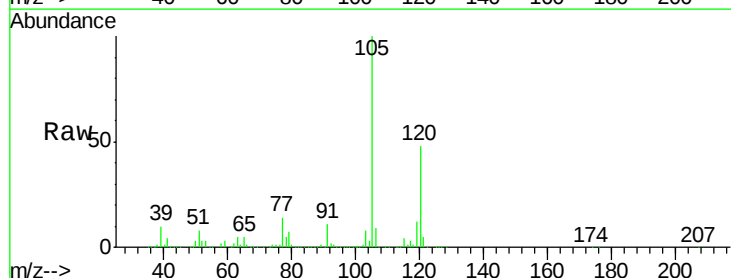
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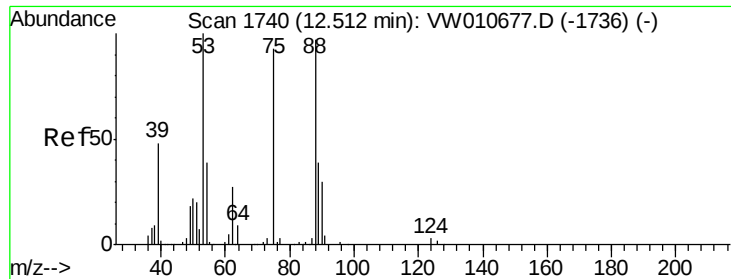
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#80
1,3,5-Trimethylbenzene
Concen: 48.866 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion: 105 Resp: 552922
Ion Ratio Lower Upper
105 100
120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.524 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

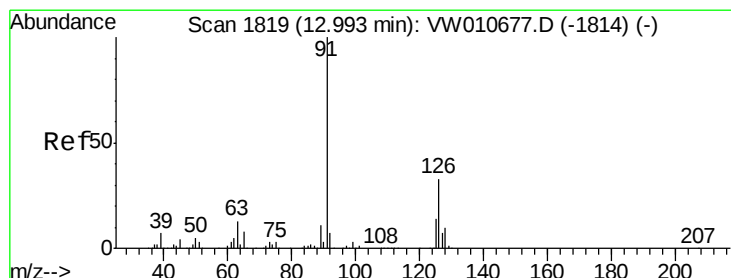
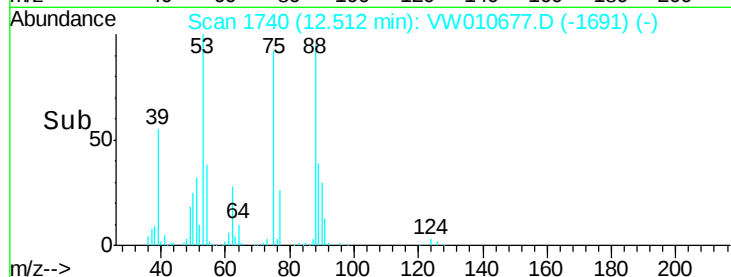
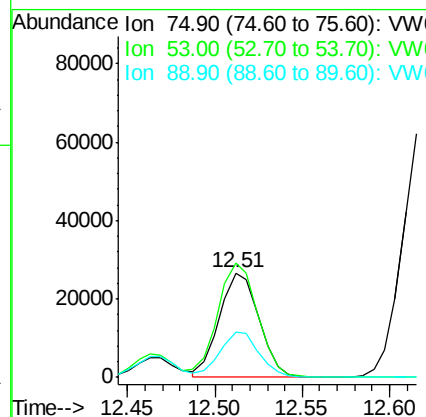
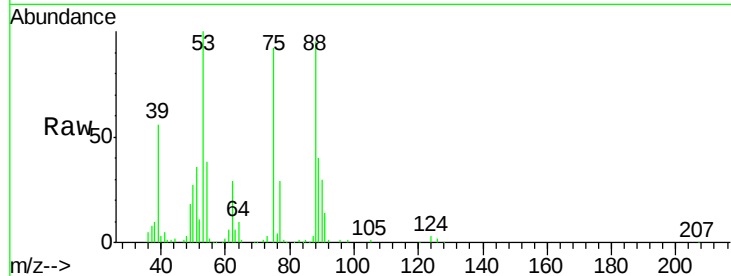
ClientSampled :

VSTDICCC050

Tot Ion:	75	Resp:	41627
Ion	Ratio	Lower	Upper
75	100		
53	112.6	90.1	135.1
89	43.3	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.478 ug/l

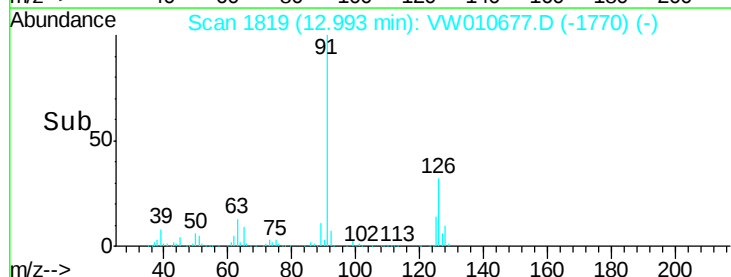
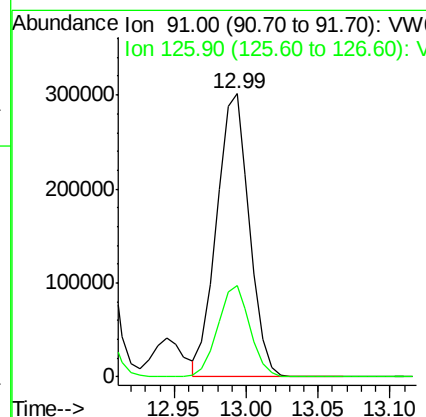
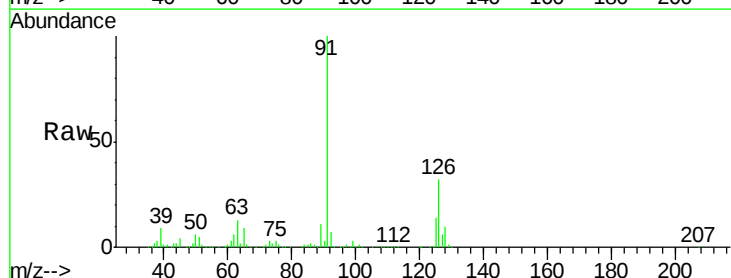
RT: 12.99 min Scan# 1819

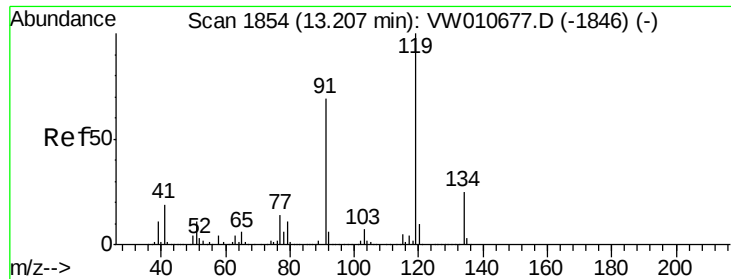
Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Tgt Ion:	91	Resp:	476420
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.7





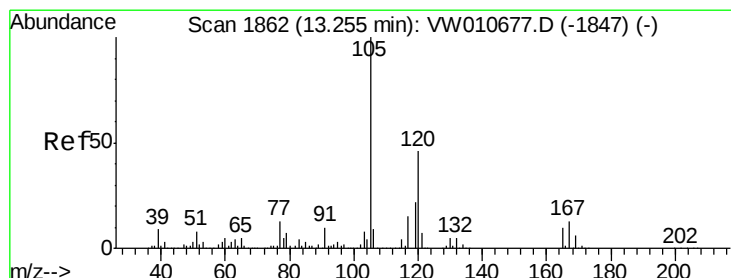
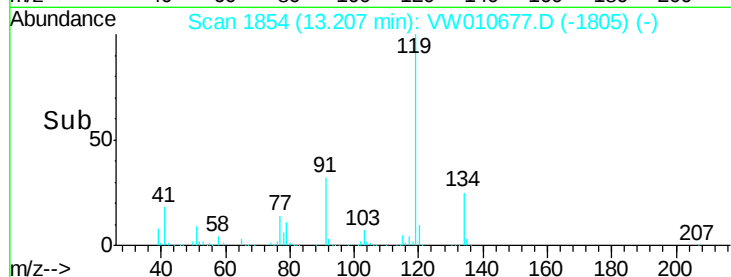
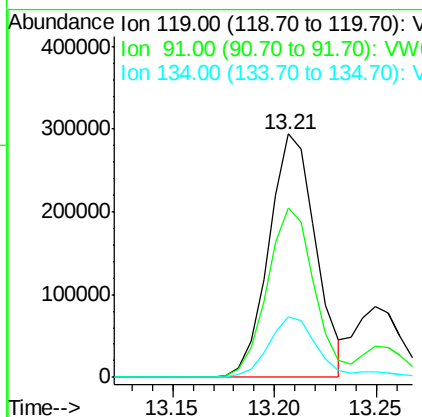
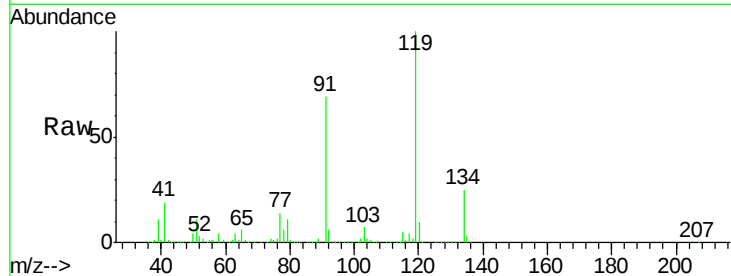
#83
 tert-Butylbenzene
 Concen: 48.932 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	469890		
91	70.2		35.1	105.3
134	27.1		13.6	40.7

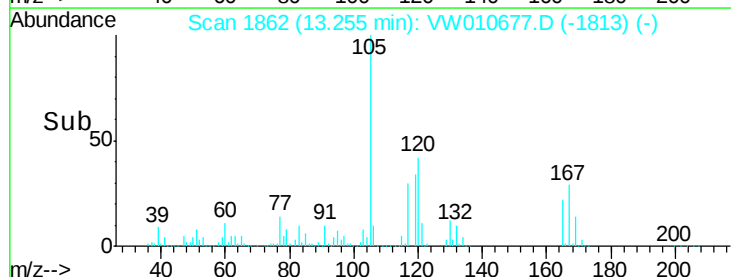
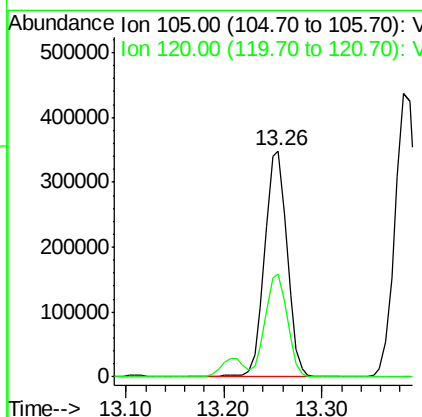
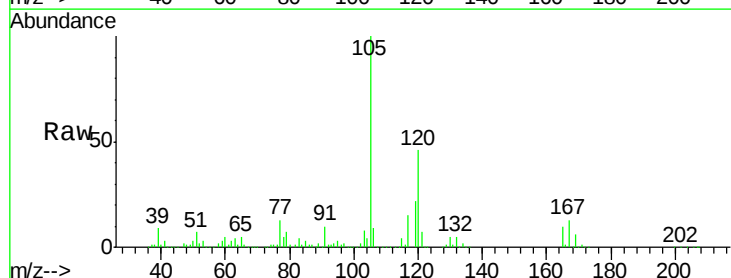
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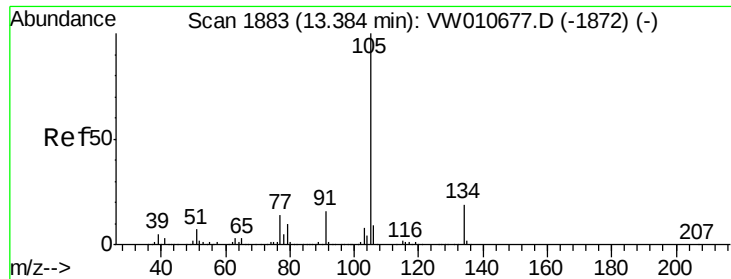
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.684 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	554333		
120	45.0		22.5	67.5





#85

sec-Butylbenzene

Concen: 49.038 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 685622

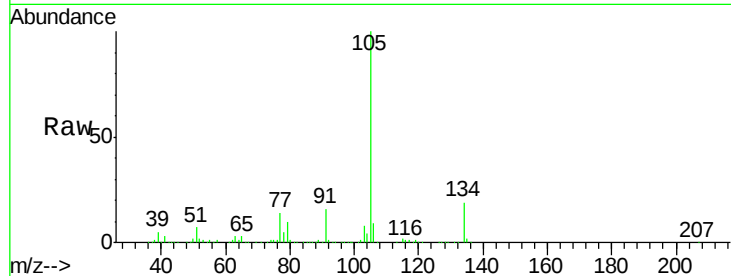
Ion Ratio Lower Upper

105 100

134 19.3 9.7 28.9

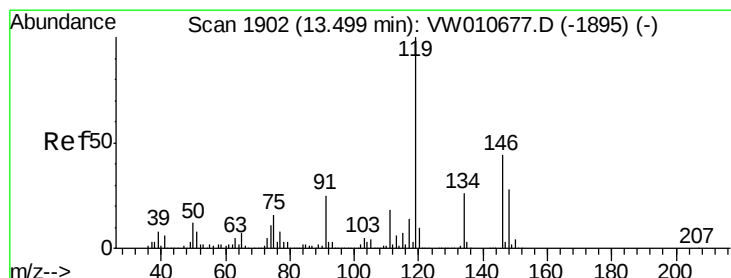
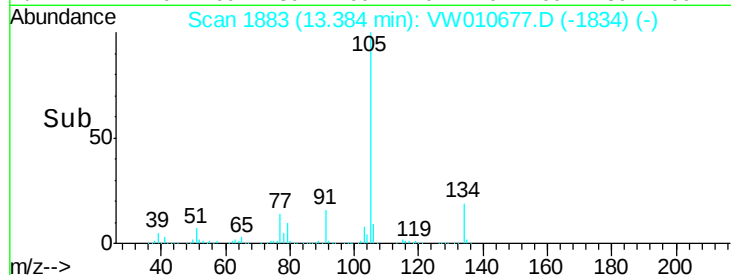
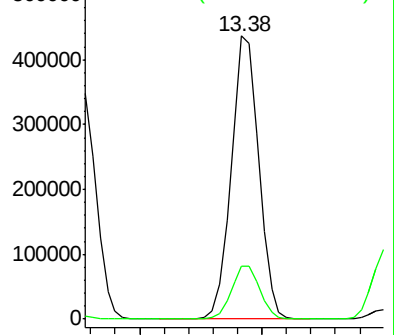
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.851 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010677.D

Acq: 04 Jun 2019 15:41

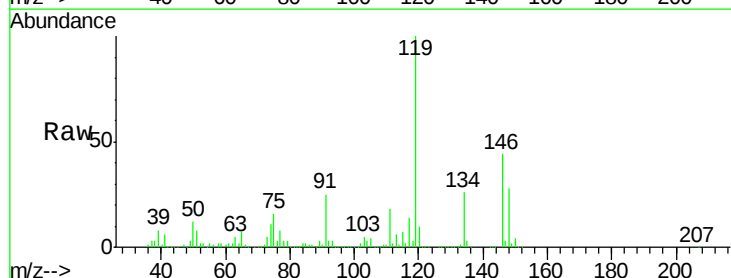
Tgt Ion:119 Resp: 610791

Ion Ratio Lower Upper

119 100

134 26.0 13.0 39.0

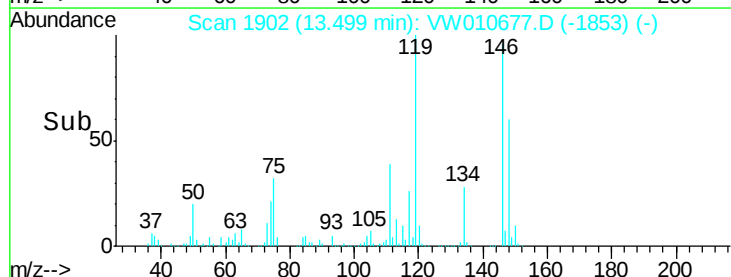
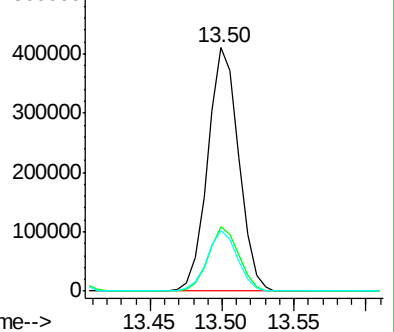
91 24.3 12.2 36.4

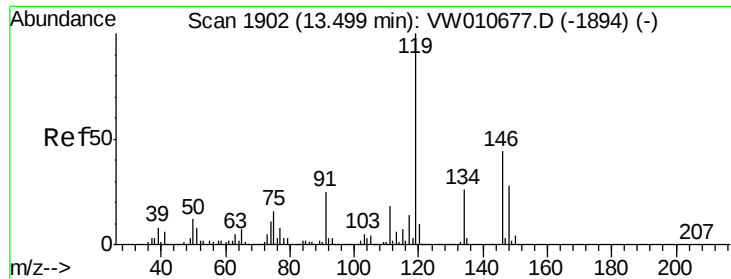


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





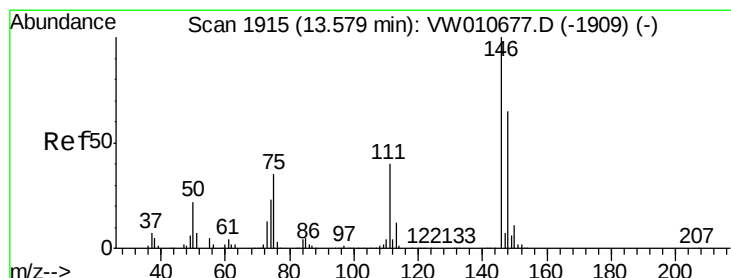
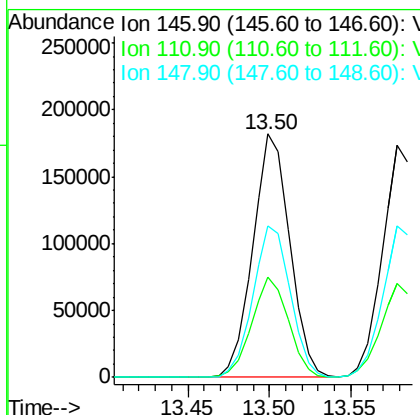
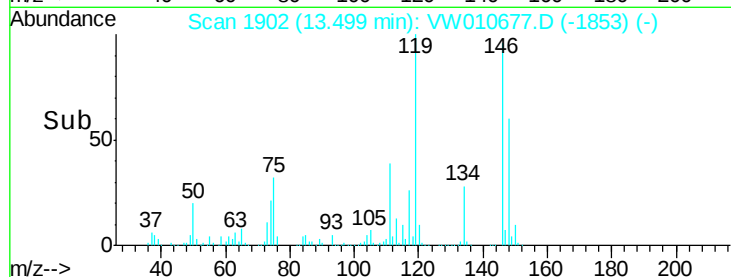
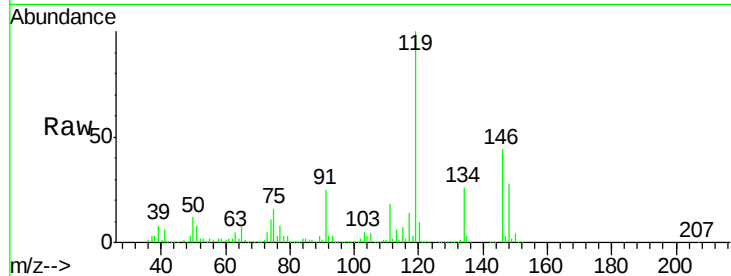
#87
 1,3-Dichlorobenzene
 Concen: 49.208 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286352		
111	40.9	20.4	61.3	
148	63.0	31.5	94.5	

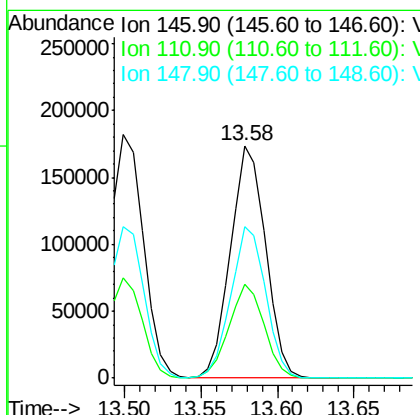
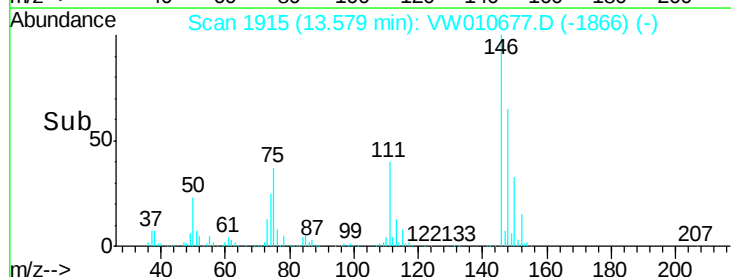
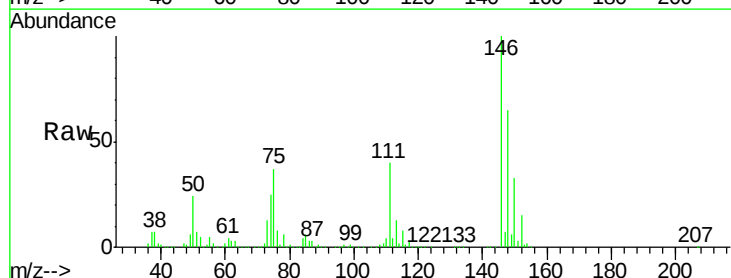
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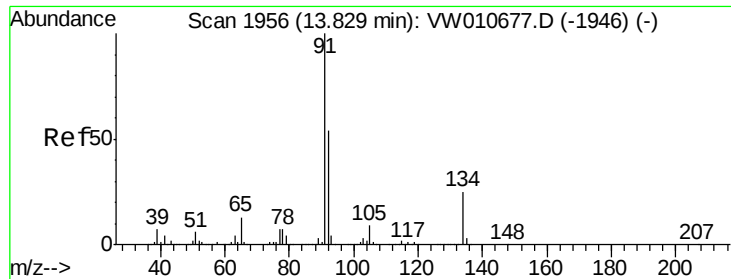
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#88
 1,4-Dichlorobenzene
 Concen: 47.961 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	276687		
111	40.6	20.3	60.9	
148	64.8	32.4	97.2	





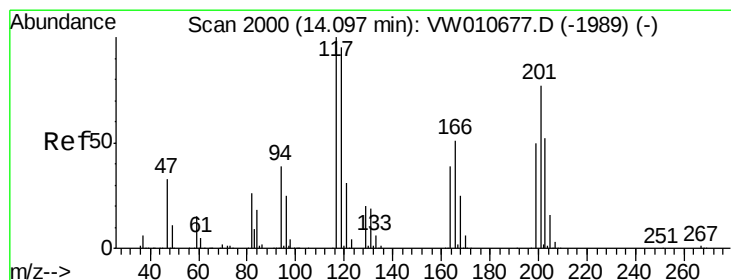
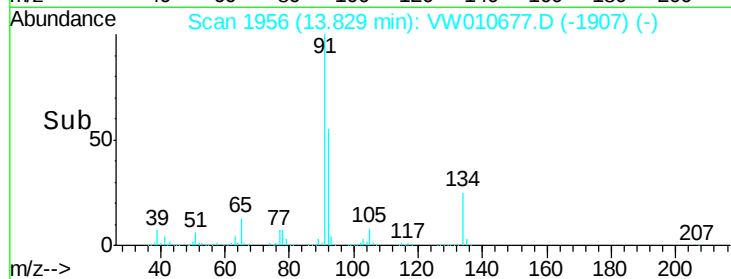
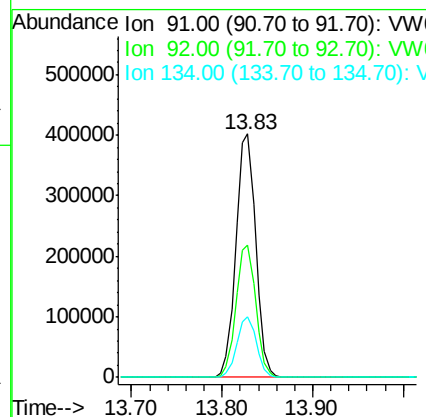
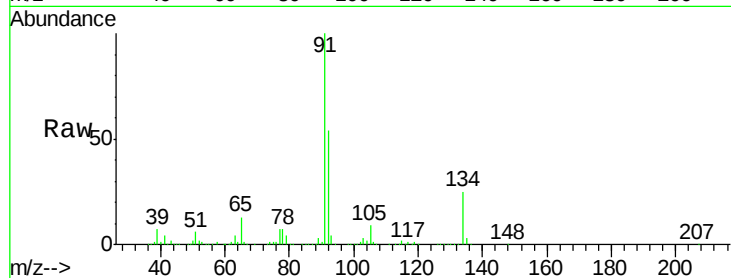
#89
n-Butylbenzene
Concen: 49.275 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	614699		
92	54.5	27.3	81.8	
134	24.6	12.3	36.9	

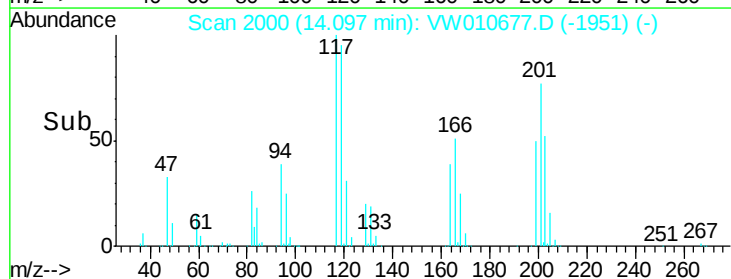
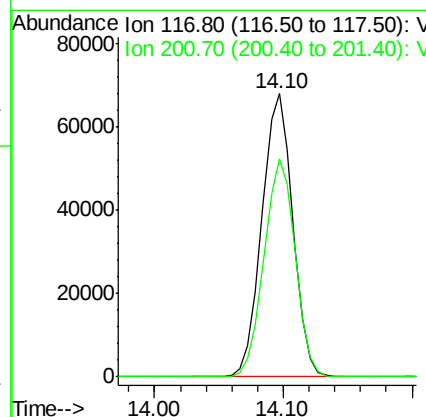
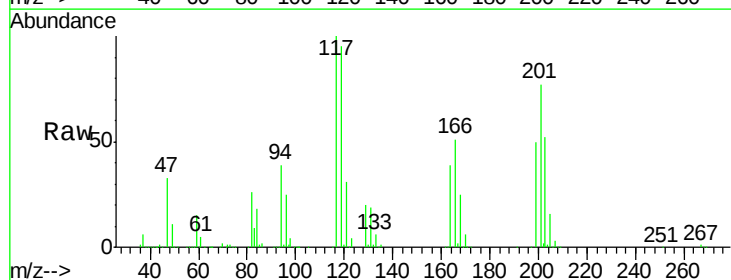
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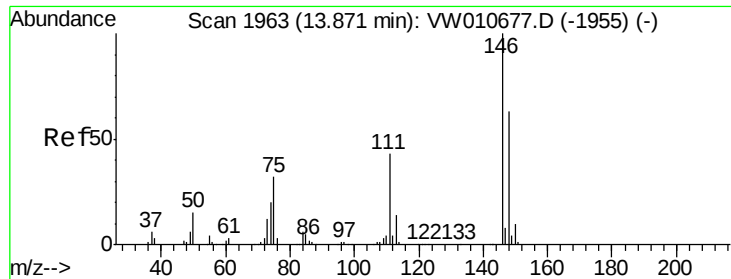
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#90
Hexachloroethane
Concen: 50.163 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	112320		
201	77.6	38.8	116.4	





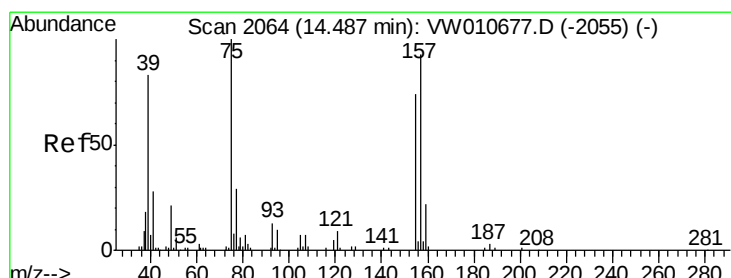
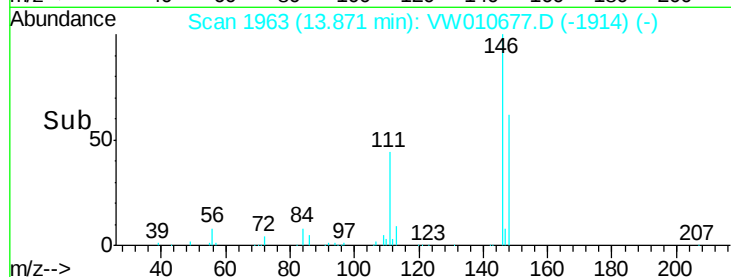
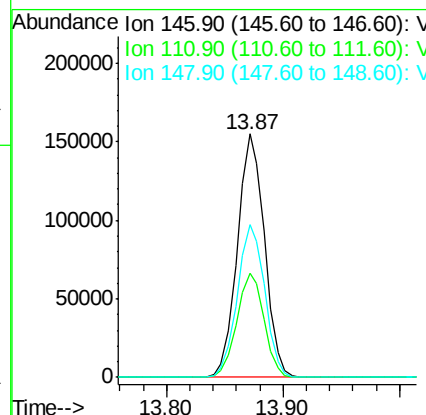
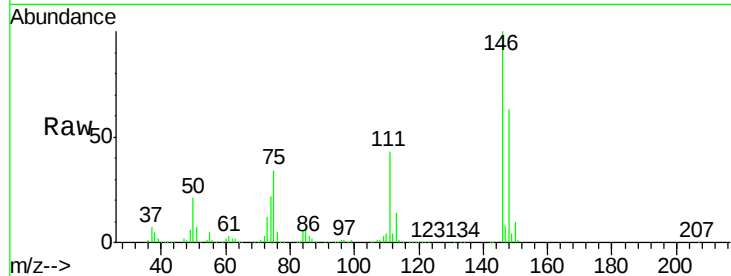
#91
 1,2-Dichlorobenzene
 Concen: 47.942 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	250890		
111	43.0		21.5	64.5
148	63.7		31.9	95.5

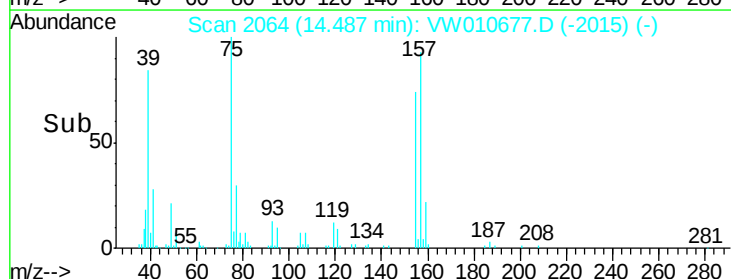
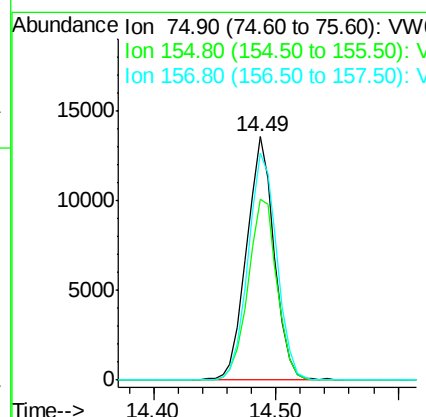
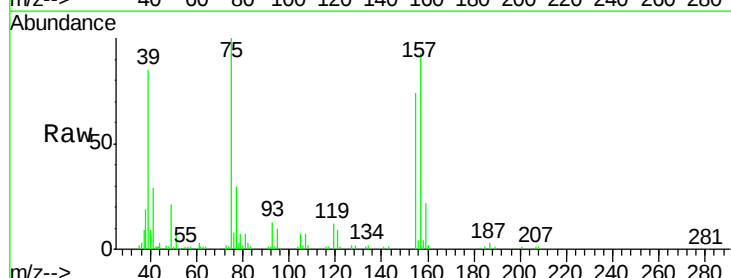
Manual Integrations
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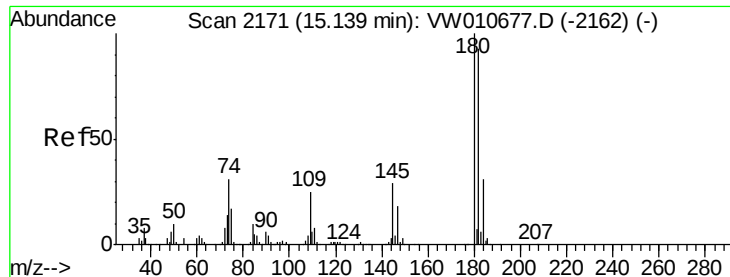
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.995 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21238		
155	77.6		38.8	116.4
157	96.7		48.4	145.0





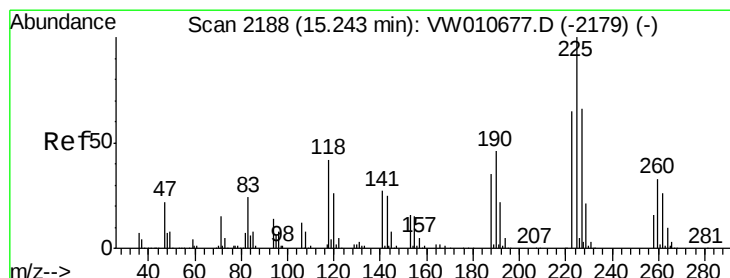
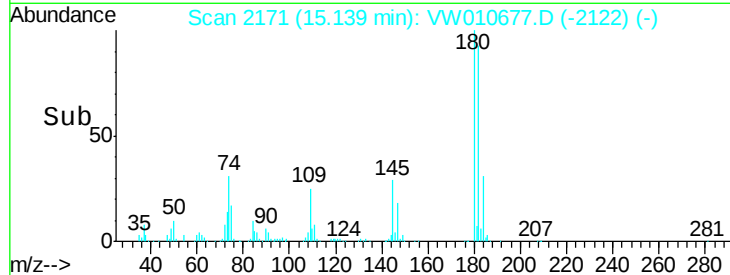
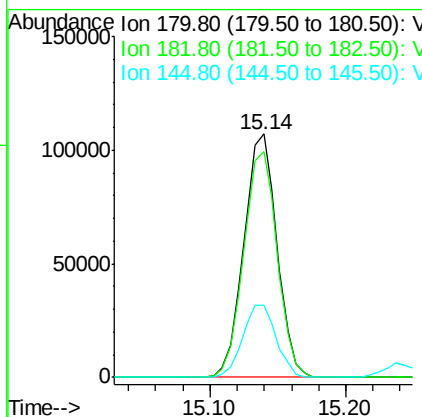
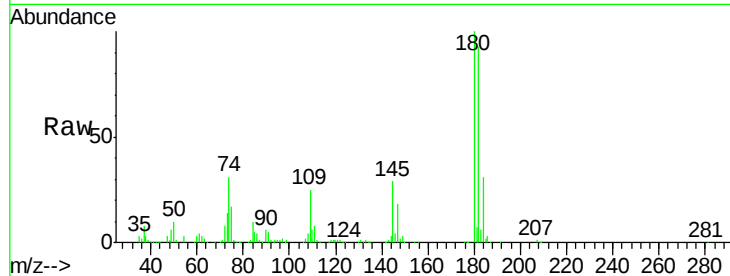
#93
 1,2,4-Trichlorobenzene
 Concen: 49.625 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	182242		
182	94.3	47.1	141.4	
145	30.3	15.2	45.5	

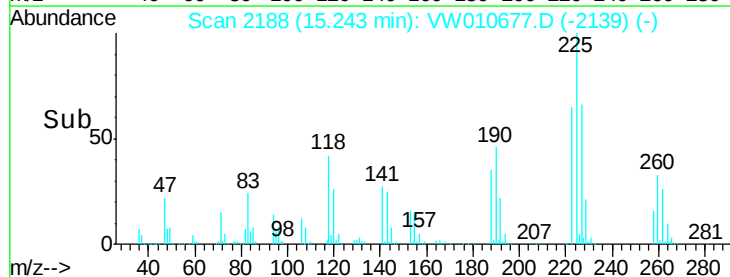
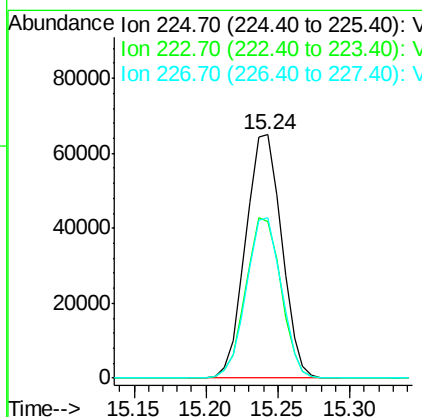
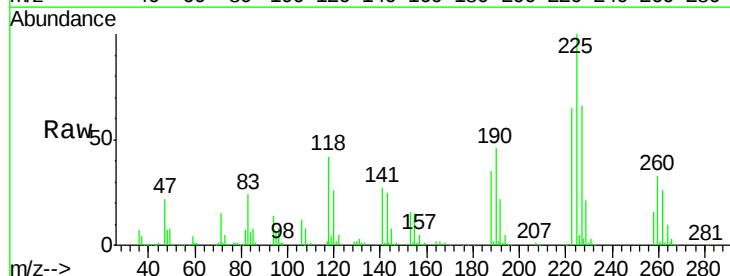
Manual Integrations
 APPROVED

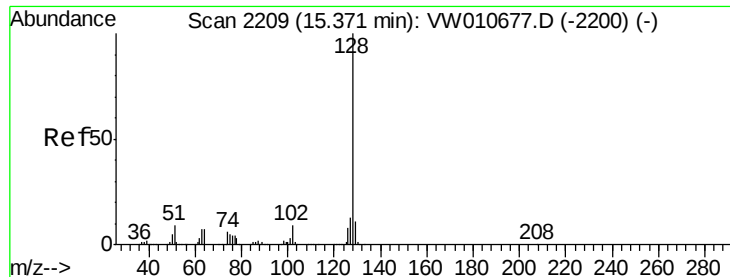
MMDadoda
 6/5/2019 3:05:02 PM



#94
 Hexachlorobutadiene
 Concen: 48.868 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010677.D
 Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	112631		
223	64.4	32.2	96.6	
227	64.0	32.0	96.0	





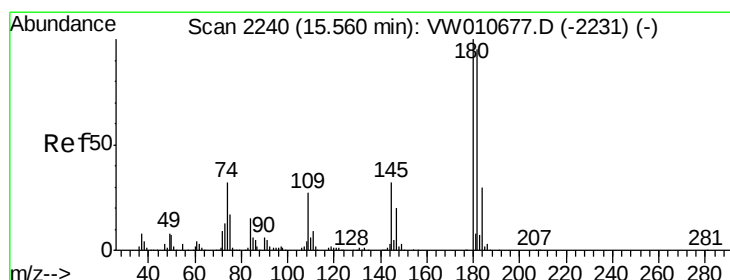
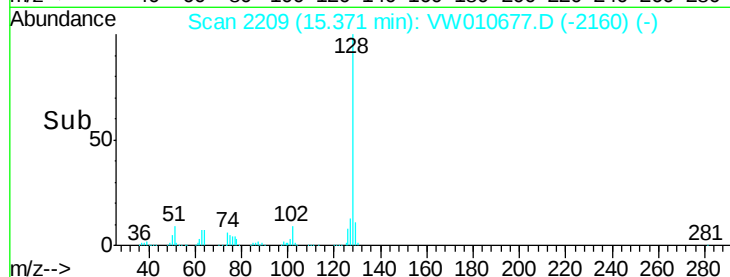
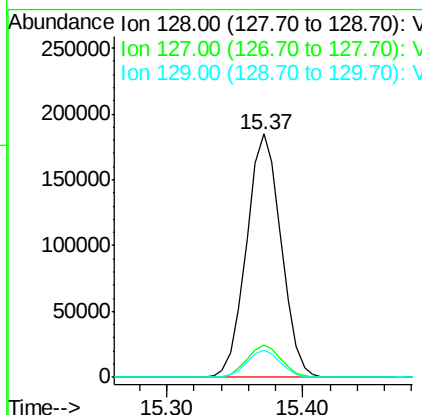
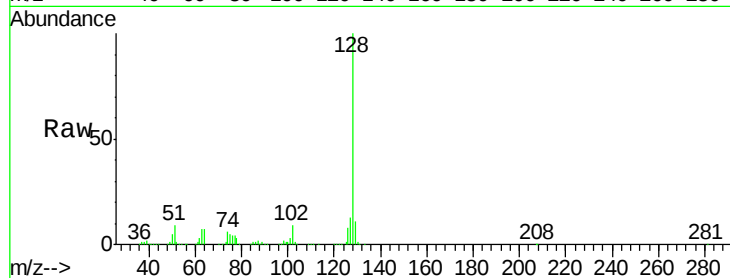
#95
Naphthalene
Concen: 49.392 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/5/2019 3:05:02 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.740 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010677.D
Acq: 04 Jun 2019 15:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.0
145	32.2	16.1	48.3

