

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012956.D
 Acq On : 13 Sep 2019 15:50
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:43:44 AM

Quant Time: Sep 13 17:08:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	405241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	353653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	173617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	254664	97.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.44%	
35) Dibromofluoromethane	7.88	113	218079	99.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.36%	
50) Toluene-d8	10.32	98	875501	101.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.50%	
62) 4-Bromofluorobenzene	12.62	95	301891	97.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	102694	84.694	ug/l	96
3) Chloromethane	2.21	50	131038	84.505	ug/l	99
4) Vinyl Chloride	2.36	62	186683	91.961	ug/l	97
5) Bromomethane	2.76	94	110271	88.949	ug/l	99
6) Chloroethane	2.91	64	118947	95.536	ug/l	100
7) Trichlorofluoromethane	3.25	101	143041	100.763	ug/l	94
8) Diethyl Ether	3.68	74	104963	94.693	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	202093	93.863	ug/l	98
10) Methyl Iodide	4.26	142	261398	97.010	ug/l	100
11) Tert butyl alcohol	5.18	59	85671	417.294	ug/l	99
12) 1,1-Dichloroethene	4.04	96	188299	96.185	ug/l	95
13) Acrolein	3.89	56	96653	503.035	ug/l	99
14) Allyl chloride	4.67	41	368472	99.144	ug/l	100
15) Acrylonitrile	5.36	53	275451	486.542	ug/l	98
16) Acetone	4.12	43	291653	468.713	ug/l	100
17) Carbon Disulfide	4.38	76	368749	94.520	ug/l	100
18) Methyl Acetate	4.67	43	139463	93.453	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	368862	95.452	ug/l	95
20) Methylene Chloride	4.91	84	205812	83.593	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	199127	94.970	ug/l	98
22) Diisopropyl ether	6.31	45	751517	97.337	ug/l	98
23) Vinyl Acetate	6.25	43	2321602	502.045	ug/l	99
24) 1,1-Dichloroethane	6.21	63	425787	95.649	ug/l	100
25) 2-Butanone	7.17	43	395000	474.245	ug/l	99
26) 2,2-Dichloropropane	7.17	77	279919	88.679	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	241199	96.086	ug/l	100
28) Bromochloromethane	7.51	49	192281	102.623	ug/l	99
29) Tetrahydrofuran	7.52	42	232104	489.080	ug/l	100
30) Chloroform	7.67	83	427287	94.467	ug/l	99
31) Cyclohexane	7.95	56	325399	85.794	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	361102	96.943	ug/l	98
36) 1,1-Dichloropropene	8.08	75	310514	95.890	ug/l	99
37) Ethyl Acetate	7.25	43	166752	97.016	ug/l	99
38) Carbon Tetrachloride	8.07	117	329076	99.165	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	341813	96.329	ug/l	100
40) Benzene	8.32	78	872924	96.562	ug/l	99
41) Methacrylonitrile	7.48	41	107915	95.340	ug/l	96
42) 1,2-Dichloroethane	8.40	62	291945	96.339	ug/l	99
43) Isopropyl Acetate	8.42	43	331785	100.535	ug/l	99
44) Trichloroethene	9.09	130	238243	96.215	ug/l	94
45) 1,2-Dichloropropane	9.37	63	232977	97.001	ug/l	99
46) Dibromomethane	9.46	93	111838	97.191	ug/l	99
47) Bromodichloromethane	9.64	83	325254	100.769	ug/l	97
48) Methyl methacrylate	9.43	41	159752	103.144	ug/l	97
49) 1,4-Dioxane	9.46	88	37471	1943.372	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	848294	497.881	ug/l	100
52) Toluene	10.38	92	563246	98.051	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	332841	102.533	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	379517	102.179	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	171212	97.670	ug/l	99
56) Ethyl methacrylate	10.65	69	247969	105.092	ug/l	99
57) 1,3-Dichloropropane	10.93	76	307036	98.738	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	662783	523.637	ug/l	100
59) 2-Hexanone	10.97	43	602140	507.545	ug/l	99
60) Dibromochloromethane	11.13	129	214732	101.321	ug/l	97
61) 1,2-Dibromoethane	11.23	107	157116	98.252	ug/l	99
64) Tetrachloroethene	10.86	164	202115	96.067	ug/l	96
65) Chlorobenzene	11.66	112	604297	95.930	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	238951	98.984	ug/l	98
67) Ethyl Benzene	11.73	91	1144634	98.385	ug/l	100
68) m/p-Xylenes	11.83	106	828310	194.891	ug/l	99
69) o-Xylene	12.16	106	394789	99.079	ug/l	100
70) Styrene	12.18	104	706127	99.621	ug/l	99
71) Bromoform	12.35	173	129316	101.983	ug/l #	99
73) Isopropylbenzene	12.46	105	1151495	100.062	ug/l	100
74) N-amyl acetate	12.27	43	305868	103.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	198762	98.339	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	164038m	111.979	ug/l	
77) Bromobenzene	12.74	156	264140	99.634	ug/l	96
78) n-propylbenzene	12.80	91	1343070	99.217	ug/l	99
79) 2-Chlorotoluene	12.89	91	766948	98.559	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	953967	97.988	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	69839	104.178	ug/l	99
82) 4-Chlorotoluene	12.99	91	803651	97.881	ug/l	99
83) tert-Butylbenzene	13.21	119	859733	98.727	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	945310	98.261	ug/l	99
85) sec-Butylbenzene	13.38	105	1161110	97.865	ug/l	99
86) p-Isopropyltoluene	13.50	119	1079020	99.058	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	506087	96.432	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	495029	95.986	ug/l	99
89) n-Butylbenzene	13.82	91	1015668	98.869	ug/l	100
90) Hexachloroethane	14.09	117	196726	100.779	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	448485	97.175	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	35952	97.176	ug/l	97

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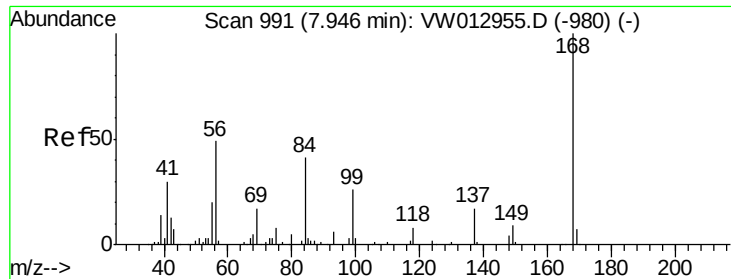
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	335261	101.859	ug/l	99
94) Hexachlorobutadiene	15.24	225	218890	93.942	ug/l	98
95) Naphthalene	15.36	128	599696	109.045	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	291328	100.129	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tgt Ion: 168 Resp: 283615

Ion Ratio Lower Upper

168 100

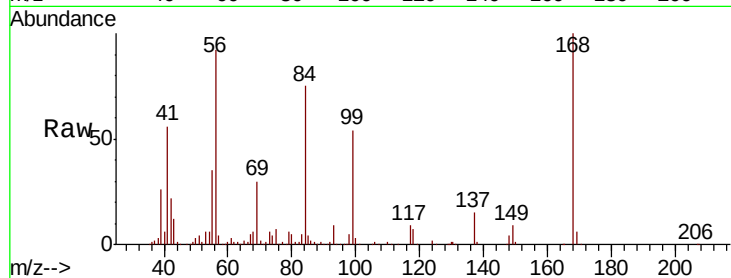
99 54.1 46.2 69.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

150000

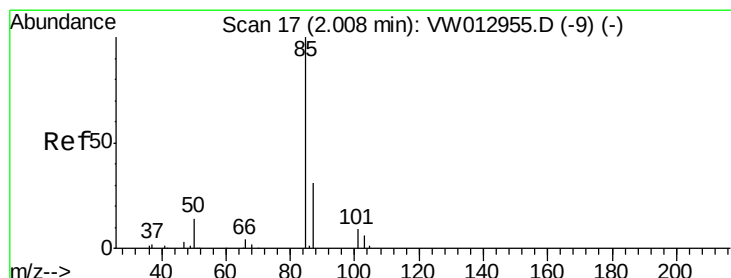
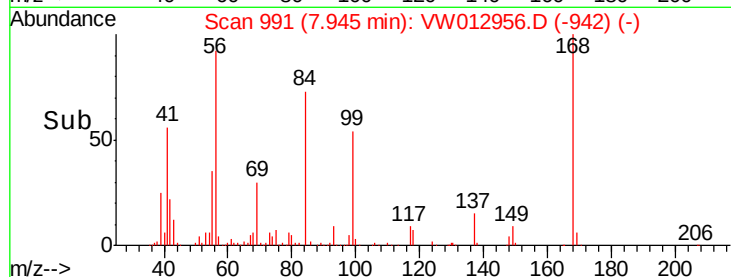
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 84.694 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012956.D

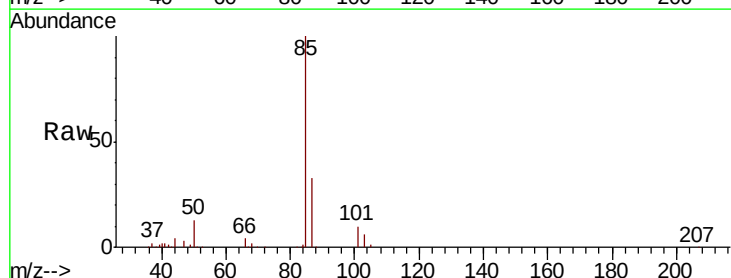
Acq: 13 Sep 2019 15:50

Tgt Ion: 85 Resp: 102694

Ion Ratio Lower Upper

85 100

87 33.0 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

2.01

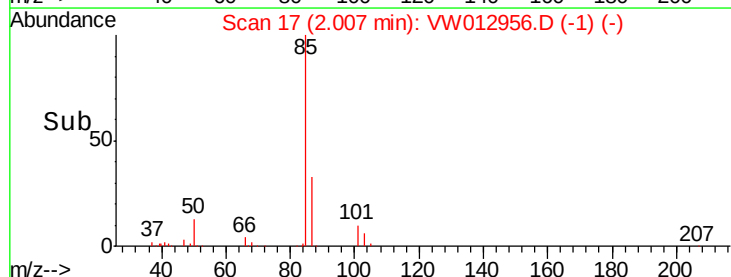
30000

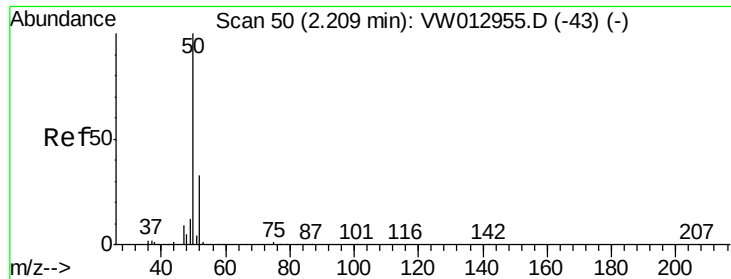
20000

10000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 84.505 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 131038

Ion Ratio Lower Upper

50 100

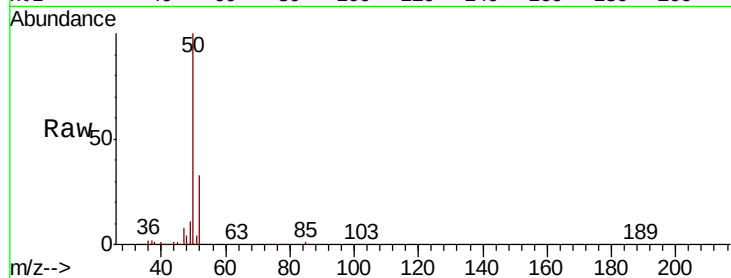
52 32.7 26.6 39.8

Manual Integrations

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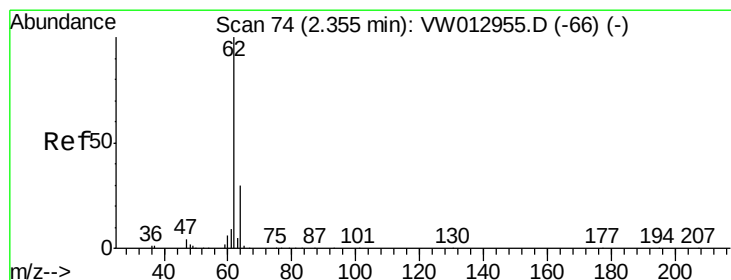
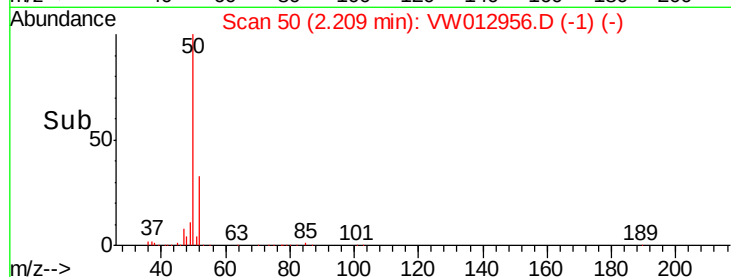
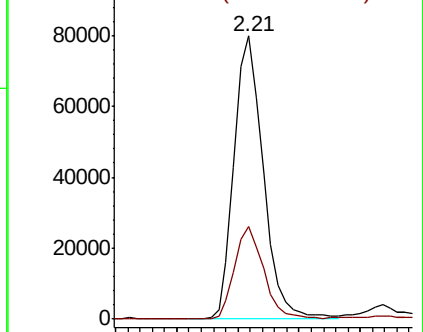
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 91.961 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW012956.D

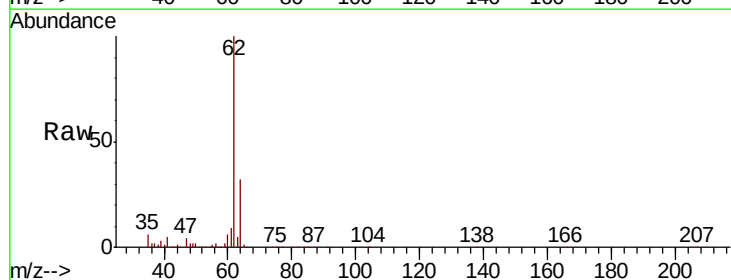
Acq: 13 Sep 2019 15:50

Tgt Ion: 62 Resp: 186683

Ion Ratio Lower Upper

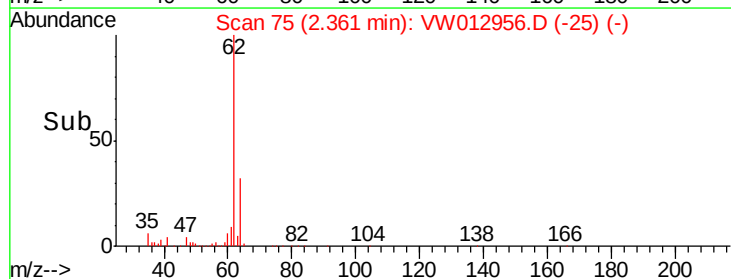
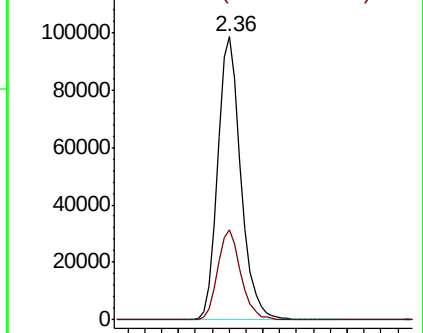
62 100

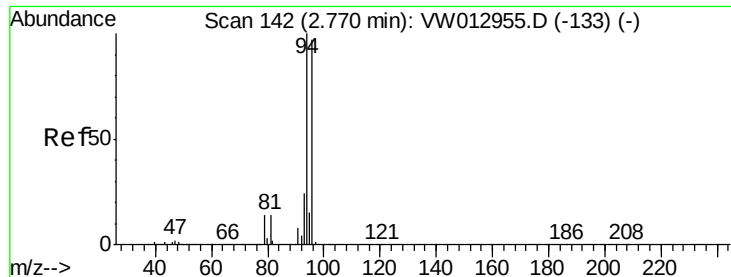
64 31.9 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 88.949 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 110271

Ion Ratio Lower Upper

94 100

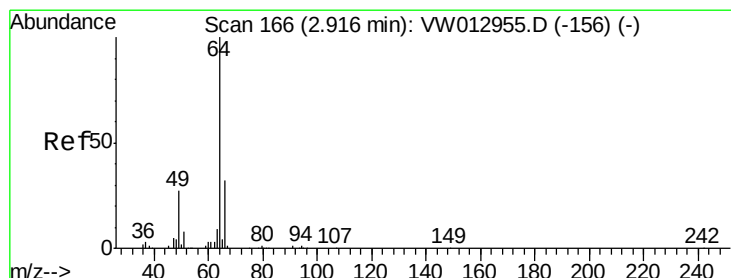
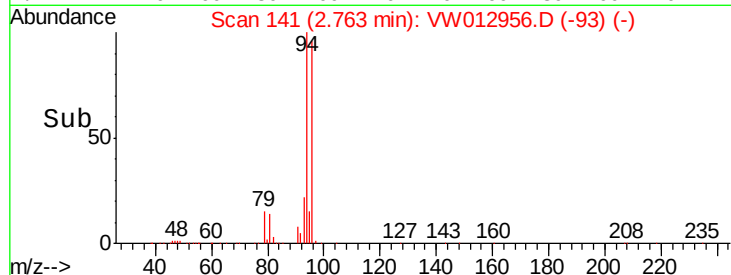
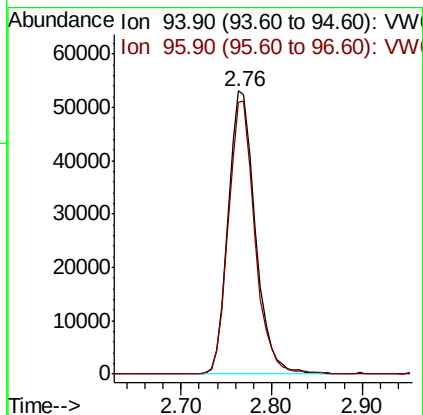
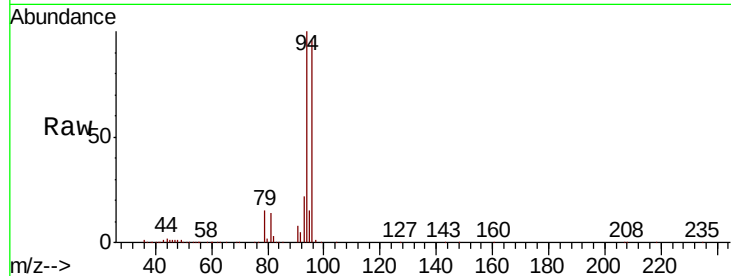
96 96.1 77.8 116.6

Manual Integrations

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9/16/2019 12:43:44 AM



#6

Chloroethane

Concen: 95.536 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012956.D

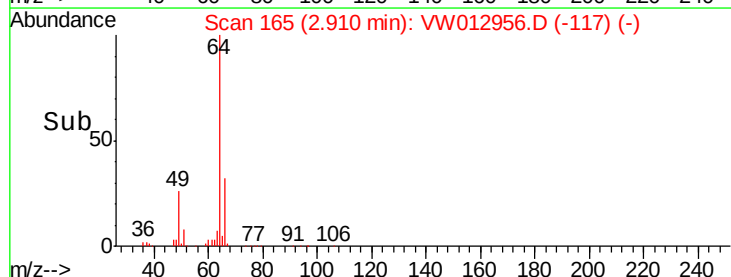
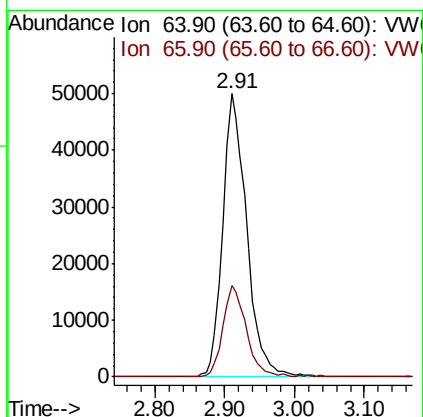
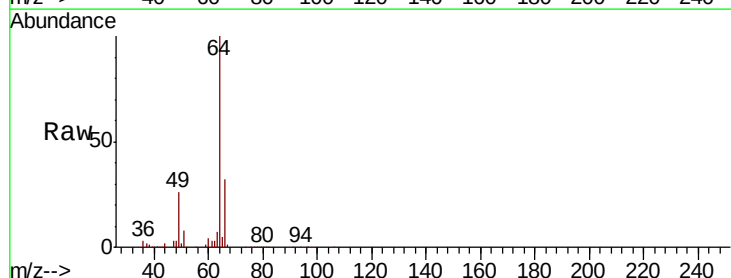
Acq: 13 Sep 2019 15:50

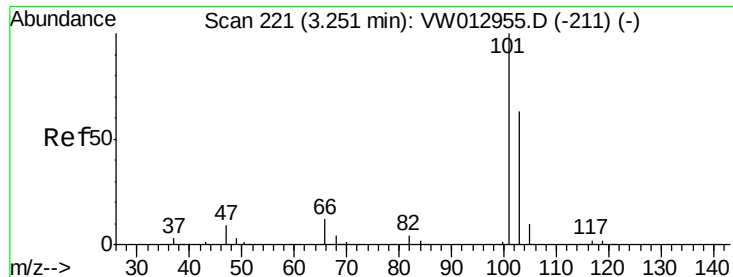
Tgt Ion: 64 Resp: 118947

Ion Ratio Lower Upper

64 100

66 32.3 25.9 38.9





#7

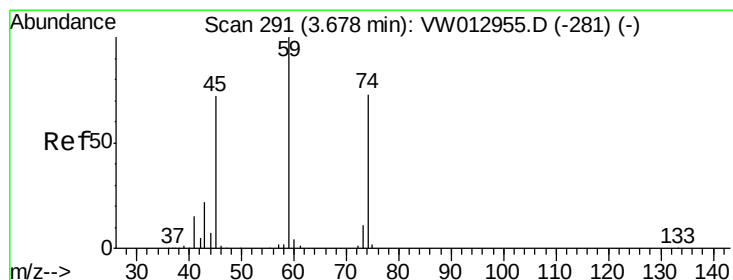
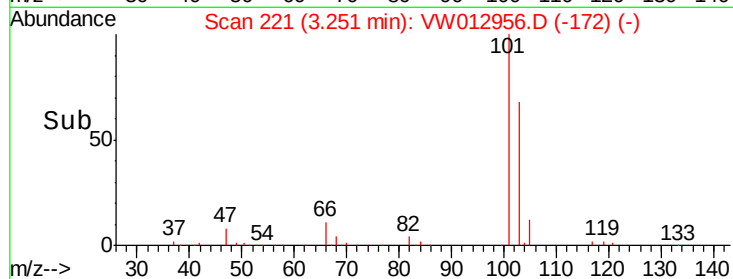
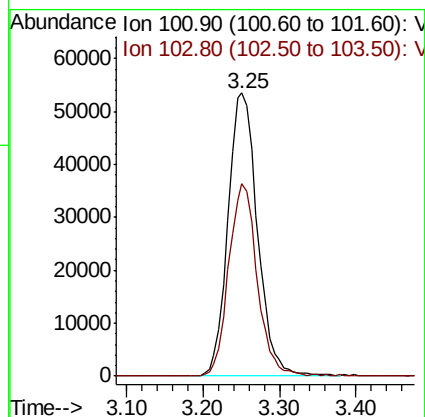
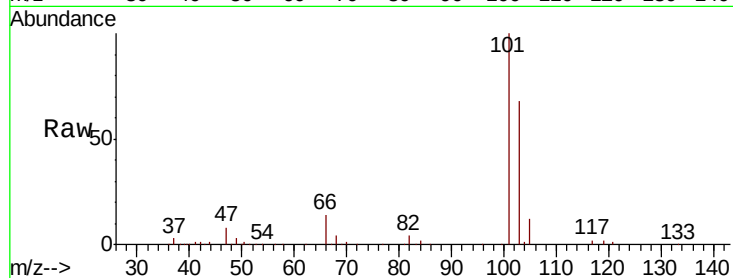
Trichlorofluoromethane
 Concen: 100.763 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion: 101 Resp: 143041
 Ion Ratio Lower Upper
 101 100
 103 68.2 50.7 76.1

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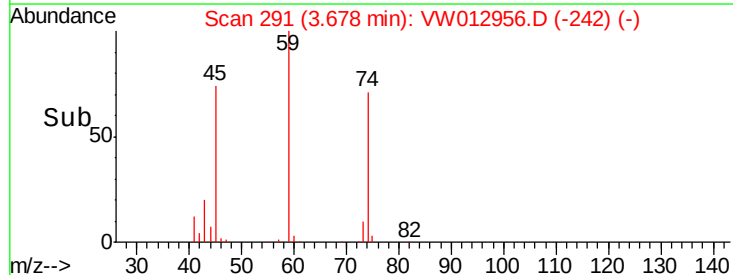
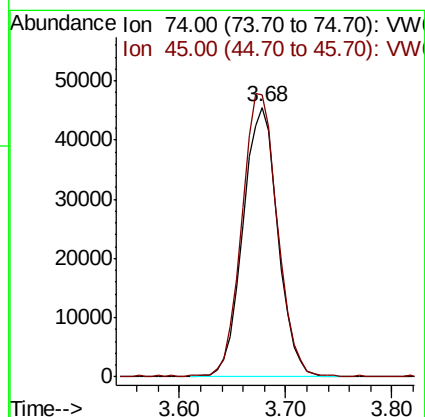
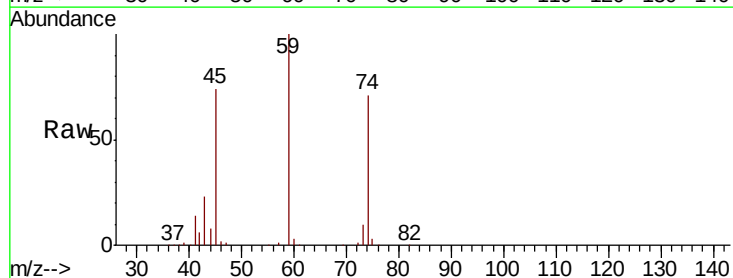
MMDadoda
 9/16/2019 12:43:44 AM

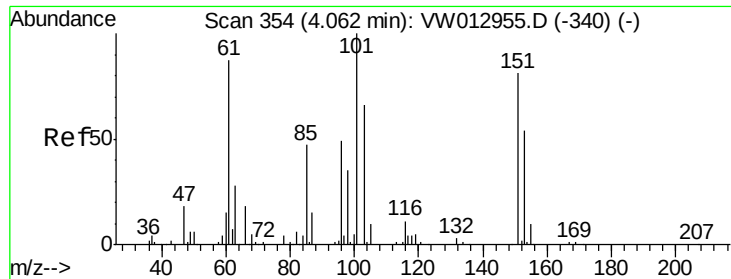


#8

Diethyl Ether
 Concen: 94.693 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion: 74 Resp: 104963
 Ion Ratio Lower Upper
 74 100
 45 106.3 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 93.863 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

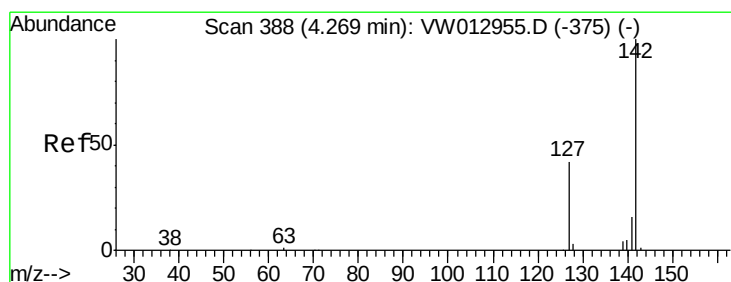
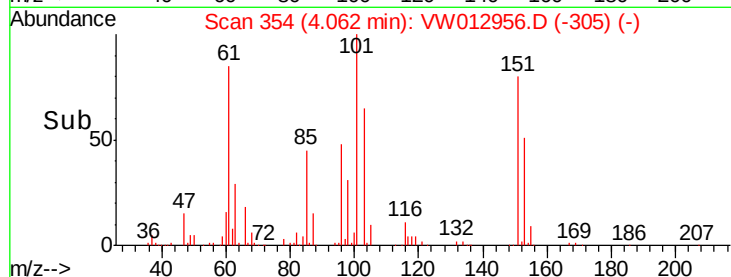
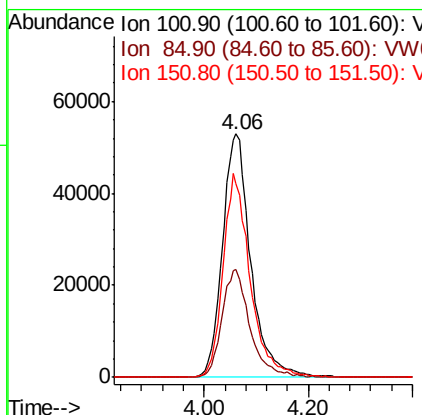
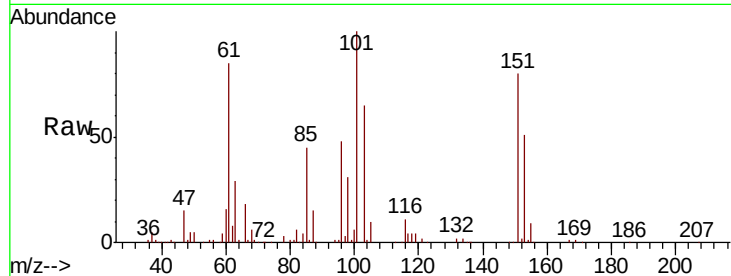
ClientSampleId :

VSTDIC100

Tgt Ion:	101	Resp:	202093
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.9	52.3
151	79.8	66.0	99.0

Manual Integrations
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MMDadoda
9/16/2019 12:43:44 AM



#10

Methyl Iodide

Concen: 97.010 ug/l

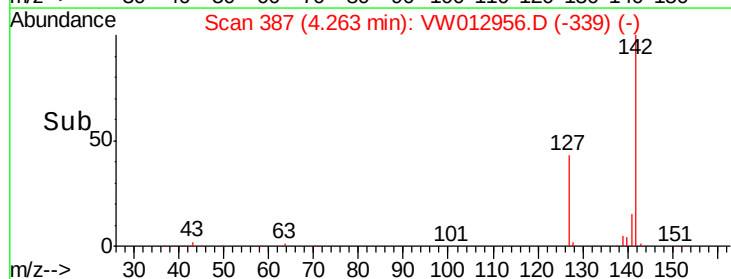
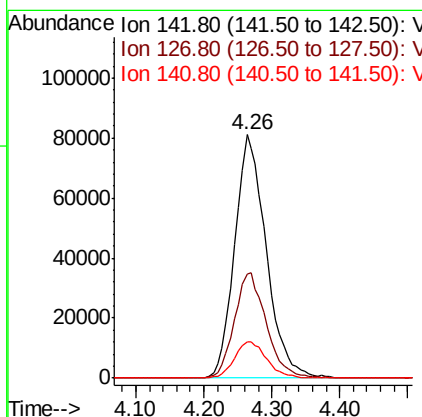
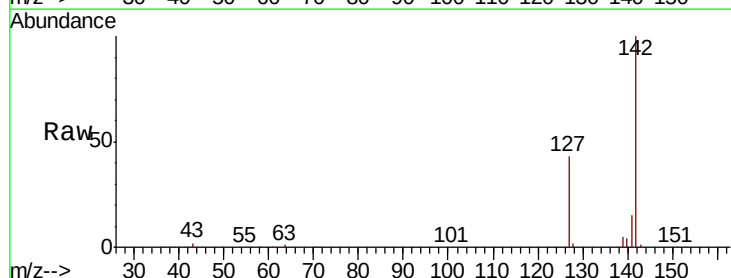
RT: 4.26 min Scan# 387

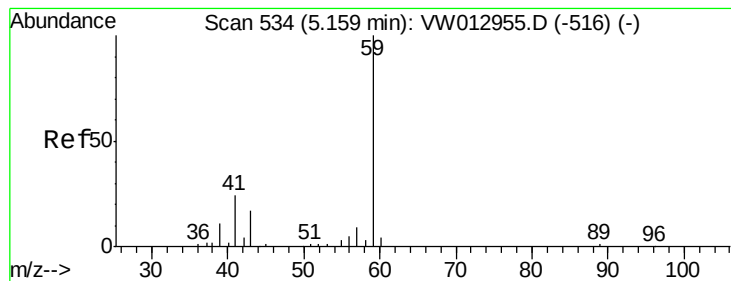
Delta R.T. -0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Tgt Ion:	142	Resp:	261398
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.7	52.1
141	15.3	12.2	18.2





#11

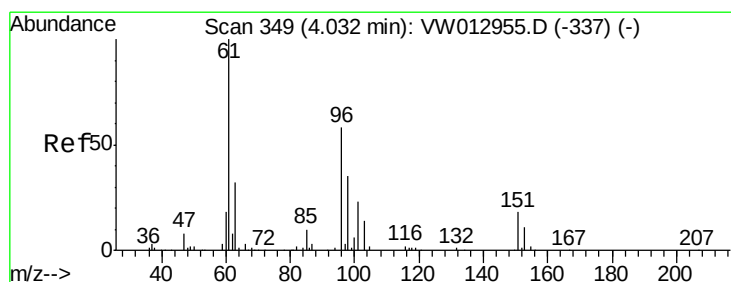
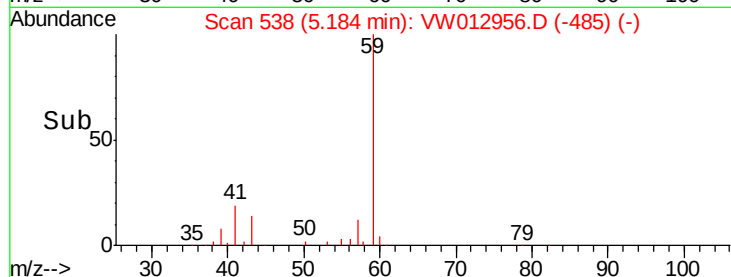
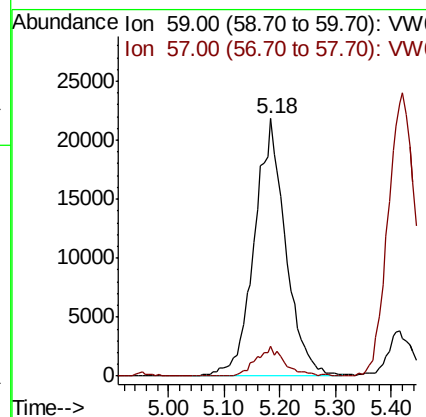
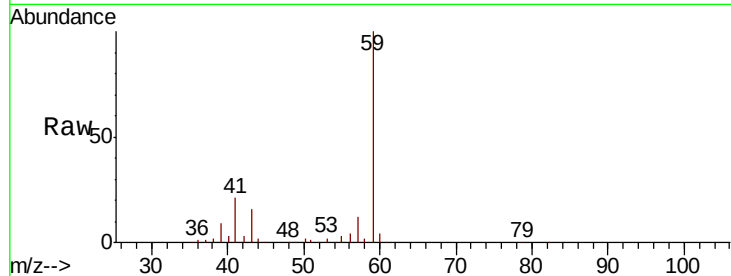
Tert butyl alcohol
 Concen: 417.294 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.02 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Manual Integrations
 APPROVED

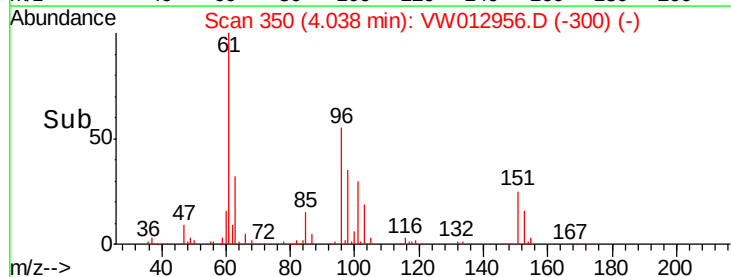
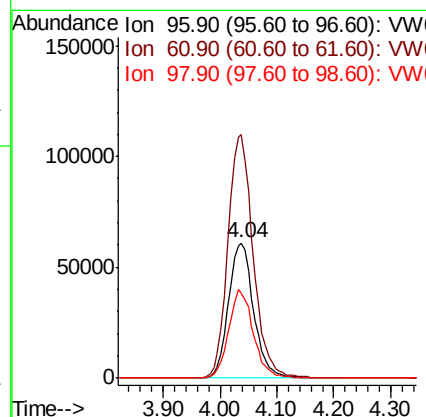
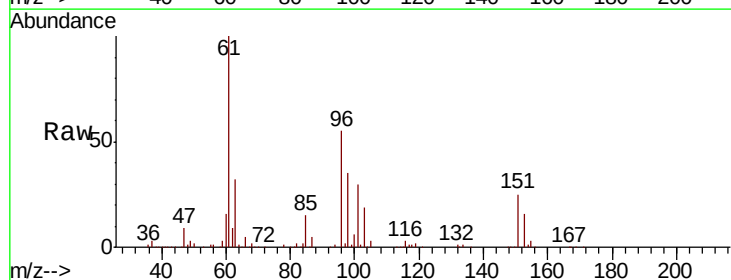
MMDadoda
 9/16/2019 12:43:44 AM

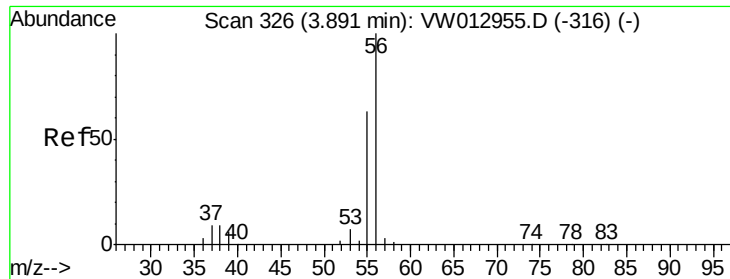


#12

1,1-Dichloroethene
 Concen: 96.185 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.5	137.9	206.9
98	63.1	48.9	73.3





#13

Acrolein

Concen: 503.035 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tgt Ion: 56 Resp: 96653

Ion Ratio Lower Upper

56 100

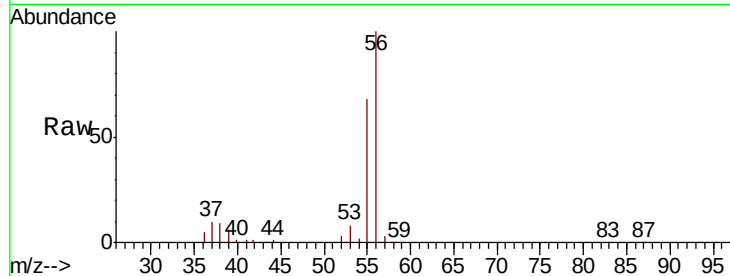
55 70.3 55.8 83.8

Manual Integrations

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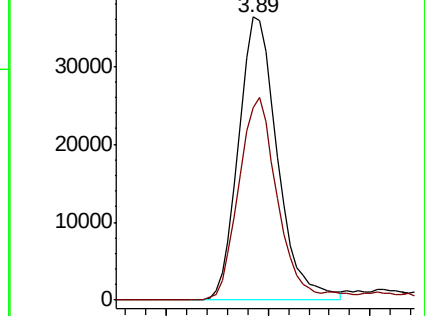
MMDadoda

9/16/2019 12:43:44 AM

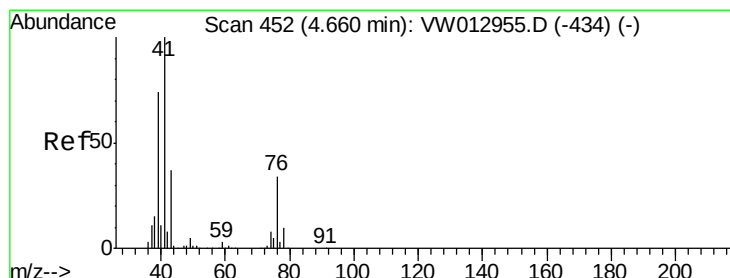
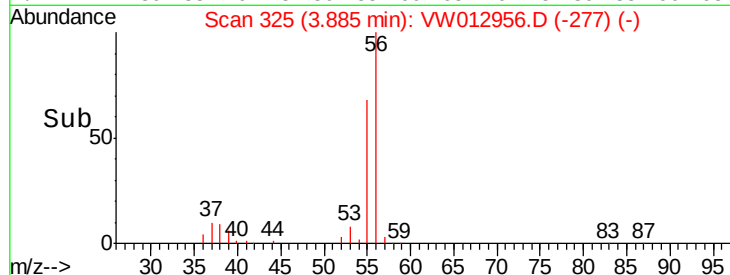


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#14

Allyl chloride

Concen: 99.144 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

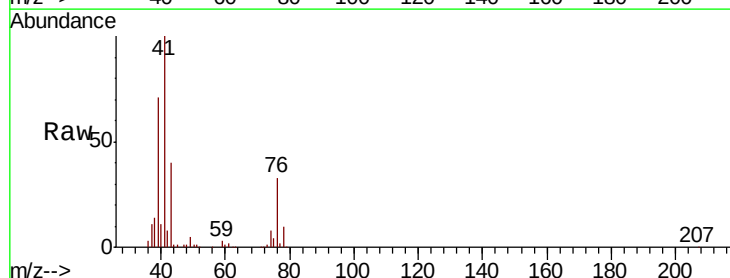
Tgt Ion: 41 Resp: 368472

Ion Ratio Lower Upper

41 100

39 70.7 56.7 85.1

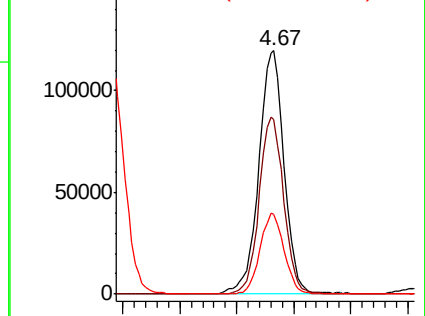
76 31.6 25.1 37.7



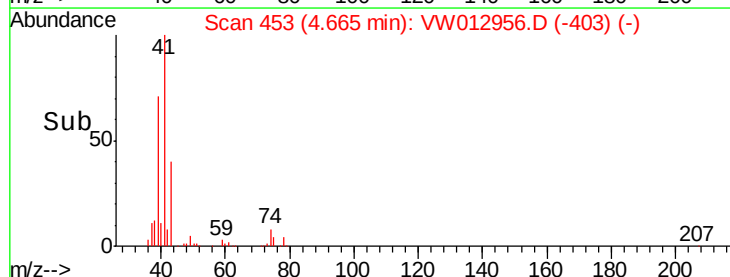
Abundance Ion 41.00 (40.70 to 41.70): VW

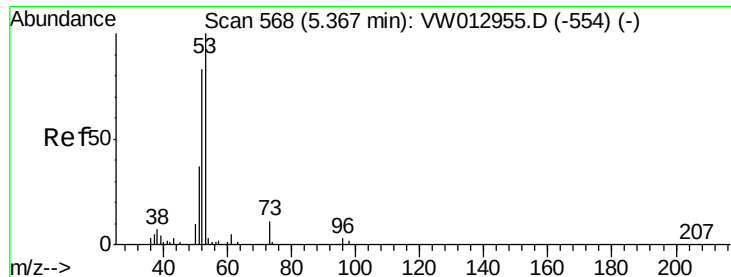
Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



Time-->





#15

Acrylonitrile

Concen: 486.542 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

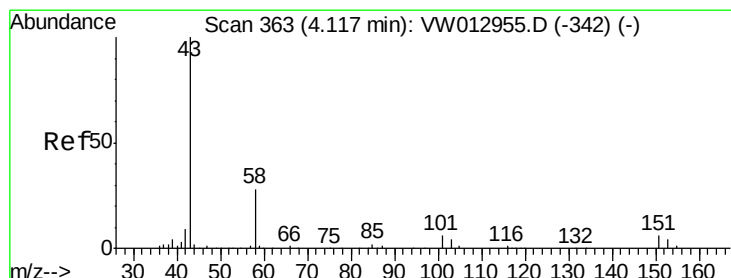
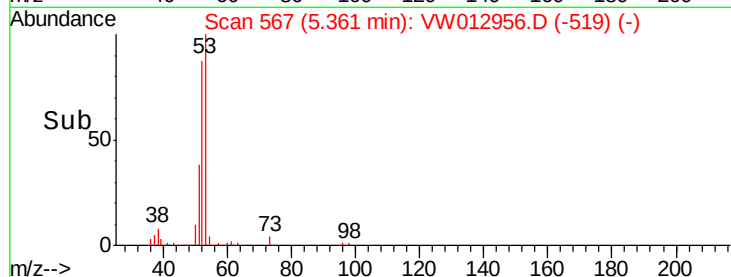
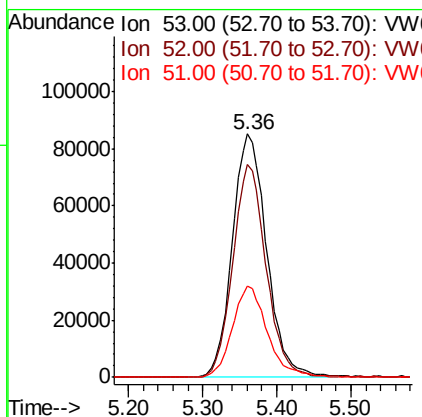
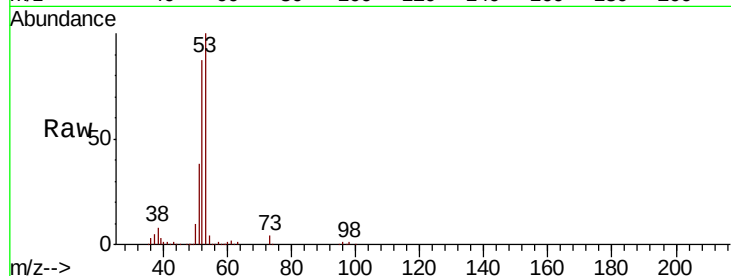
ClientSampled :

VSTDICC100

Tgt Ion:	53	Resp:	275451
Ion	Ratio	Lower	Upper
53	100		
52	85.3	66.6	100.0
51	38.1	29.8	44.8

Manual Integrations
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MMDadoda
9/16/2019 12:43:44 AM



#16

Acetone

Concen: 468.713 ug/l

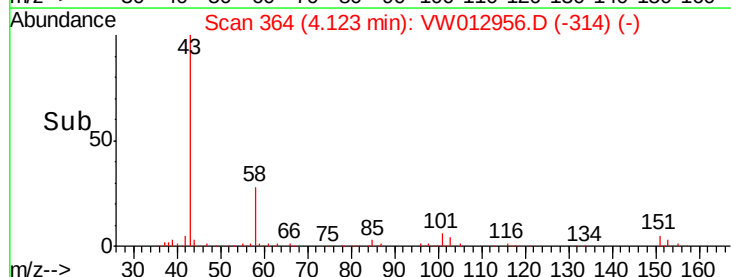
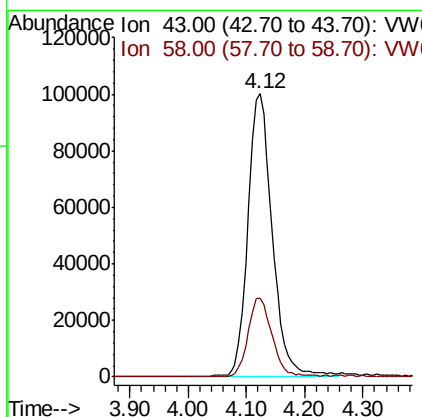
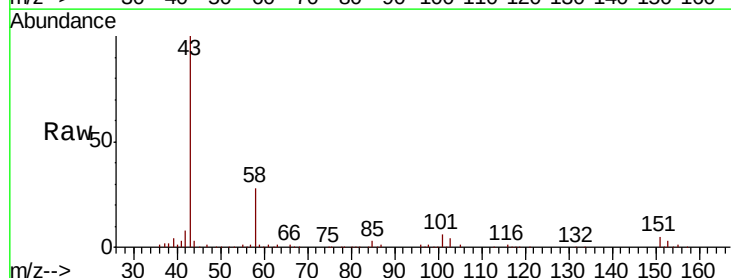
RT: 4.12 min Scan# 364

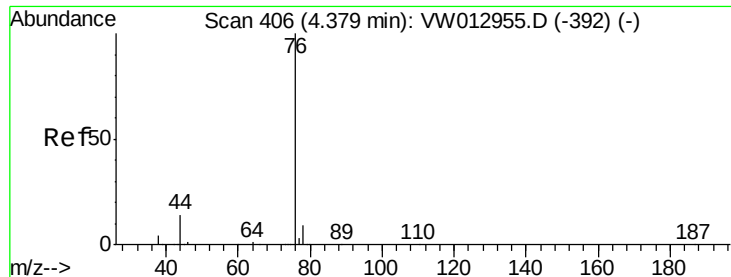
Delta R.T. 0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Tgt Ion:	43	Resp:	291653
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.3	33.5





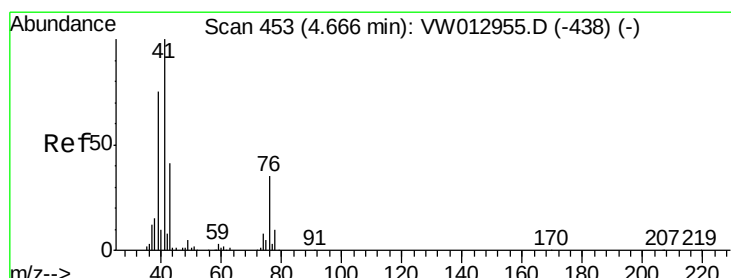
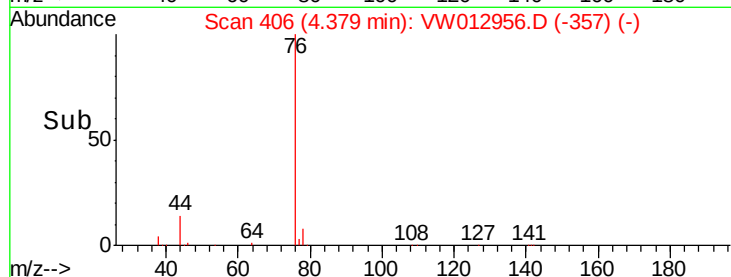
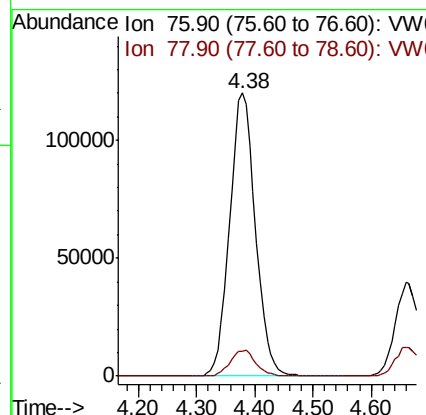
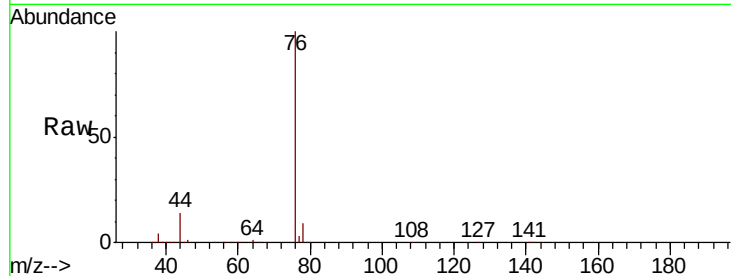
#17
Carbon Disulfide
Concen: 94.520 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

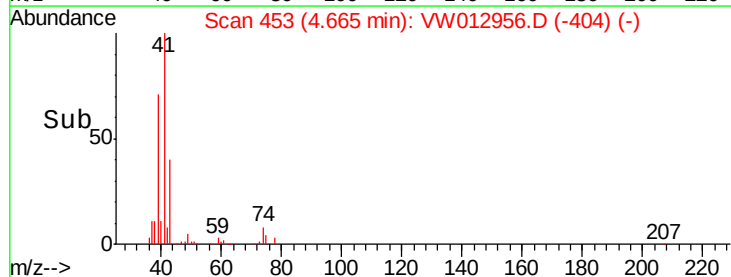
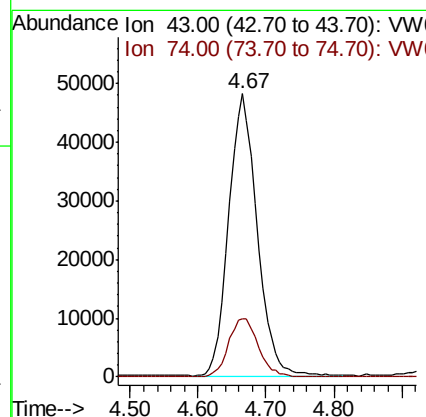
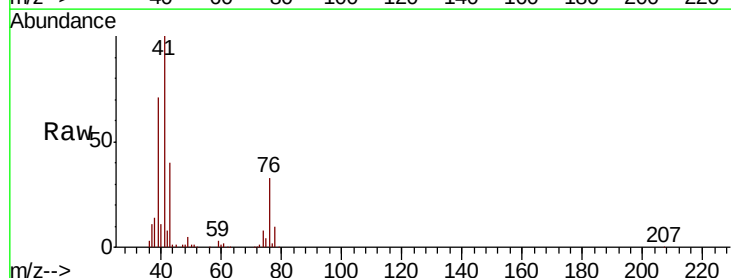
Manual Integrations
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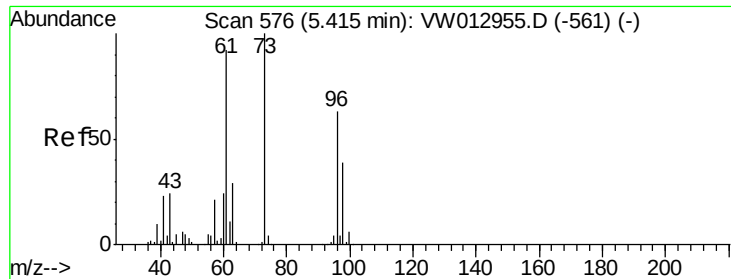
MMDadoda
9/16/2019 12:43:44 AM



#18
Methyl Acetate
Concen: 93.453 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.8	26.8





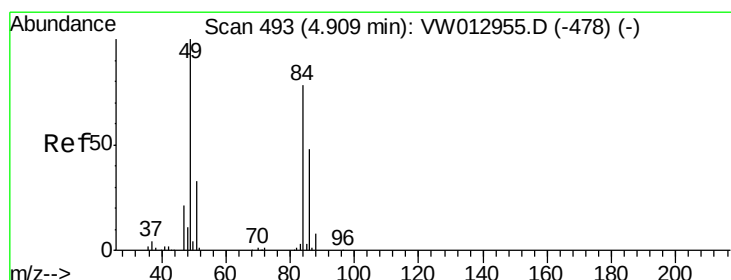
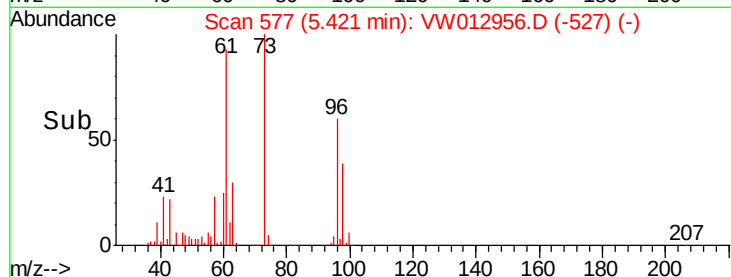
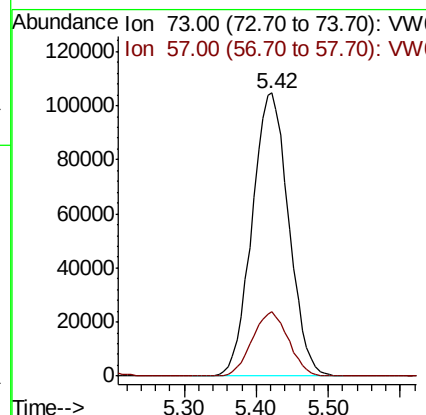
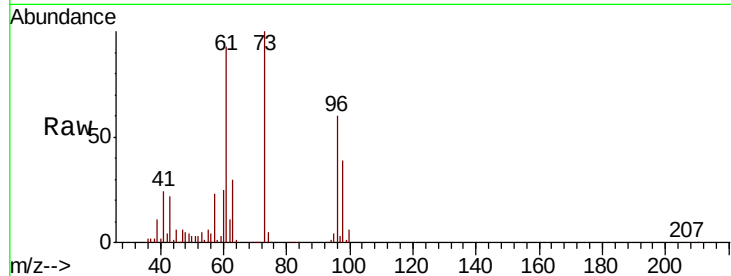
#19
Methyl tert-butyl Ether
Concen: 95.452 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 73 Resp: 368862
Ion Ratio Lower Upper
73 100
57 22.9 16.4 24.6

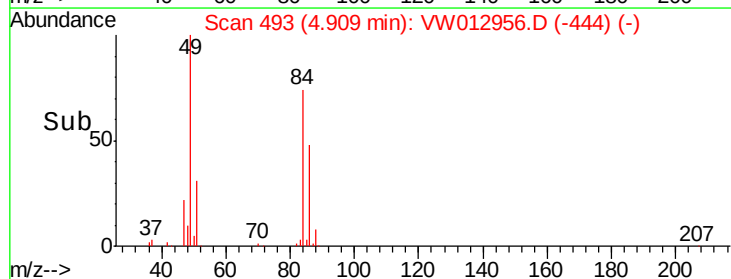
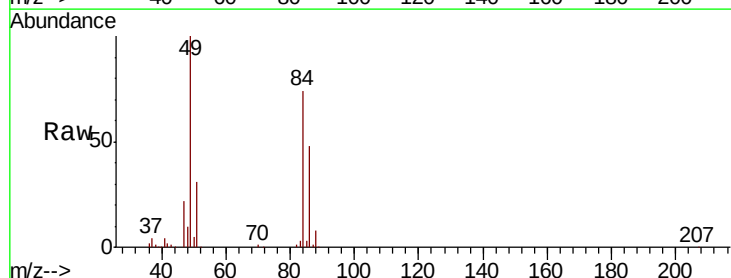
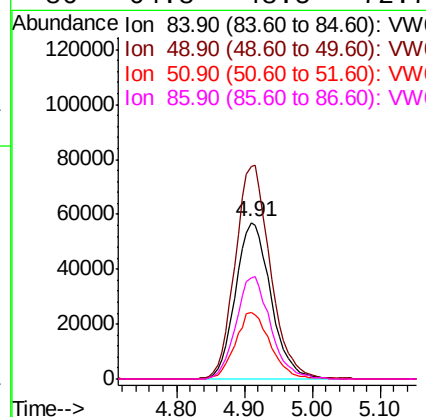
Manual Integrations
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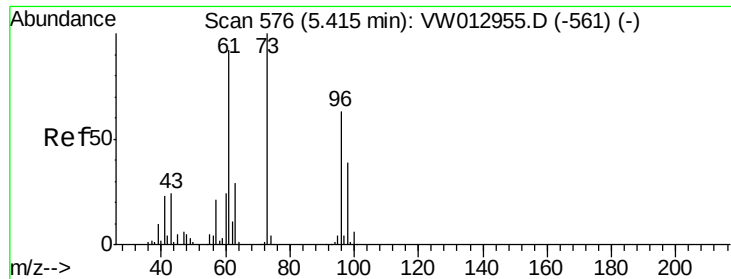
MMDadoda
9/16/2019 12:43:44 AM



#20
Methylene Chloride
Concen: 83.593 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 84 Resp: 205812
Ion Ratio Lower Upper
84 100
49 136.0 102.0 153.0
51 42.7 34.0 51.0
86 64.8 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 94.970 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

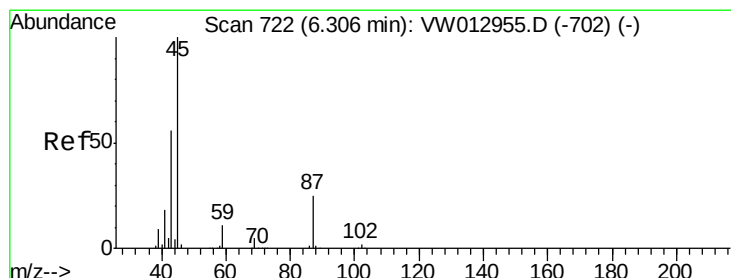
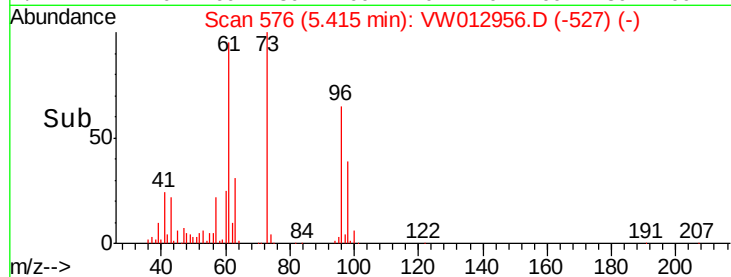
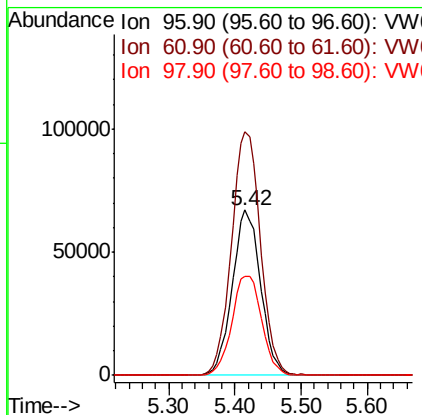
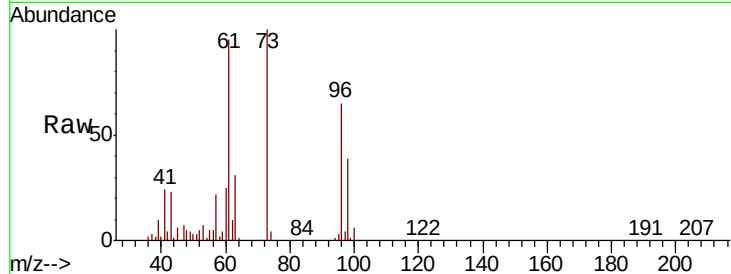
ClientSampled :

VSTDIC100

Tgt Ion:	96	Resp:	199127
Ion	Ratio	Lower	Upper
96	100		
61	147.3	116.2	174.2
98	60.0	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 97.337 ug/l

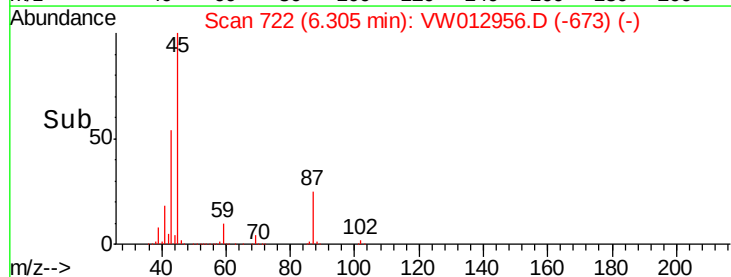
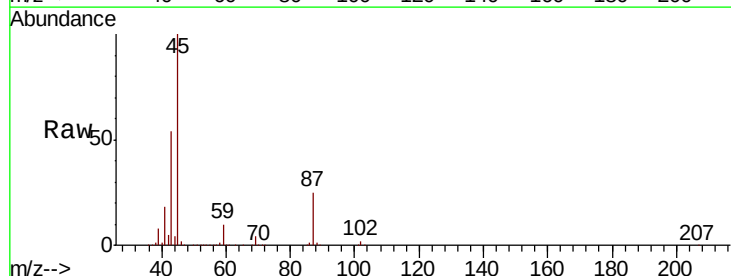
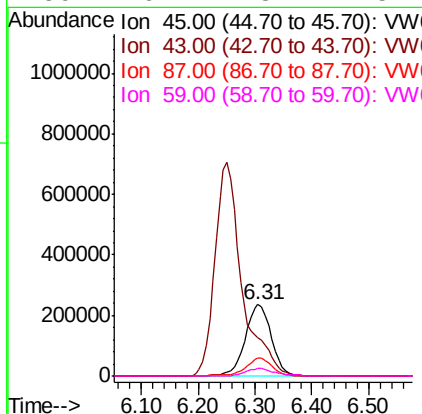
RT: 6.31 min Scan# 722

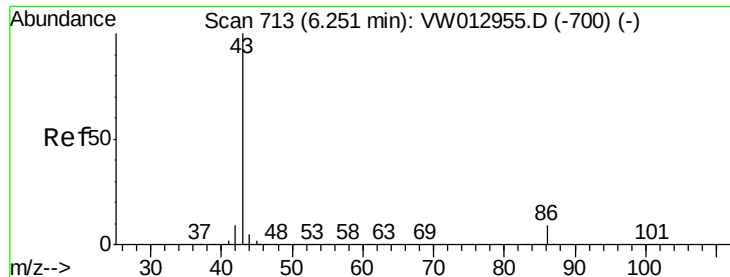
Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Tgt Ion:	45	Resp:	751517
Ion	Ratio	Lower	Upper
45	100		
43	53.8	44.6	67.0
87	25.0	20.0	30.0
59	10.4	8.7	13.1





#23

Vinyl Acetate

Concen: 502.045 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 2321602

Ion Ratio Lower Upper

43 100

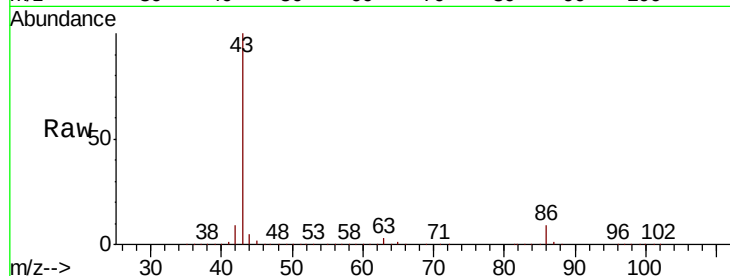
86 9.3 7.0 10.6

Manual Integrations

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MMDadoda

9/16/2019 12:43:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

800000

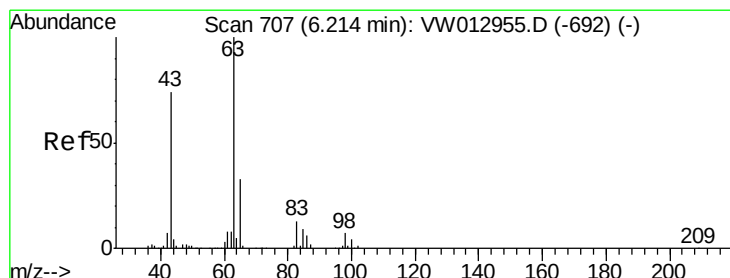
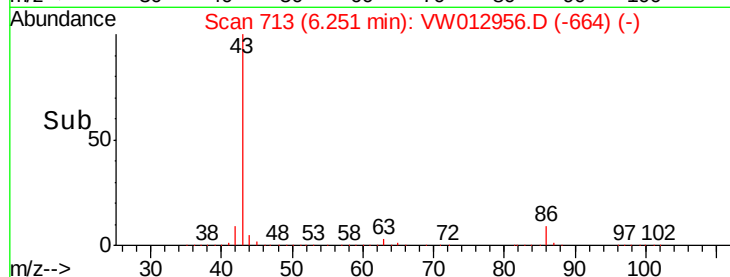
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 95.649 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

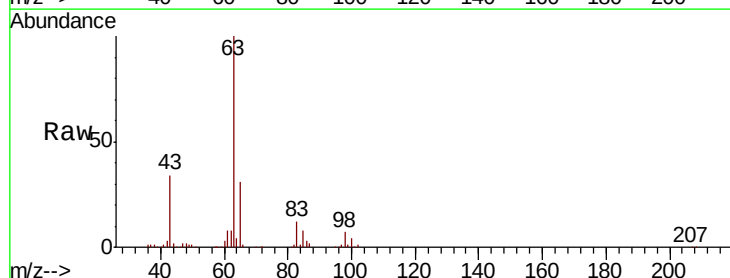
Tgt Ion: 63 Resp: 425787

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.1 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

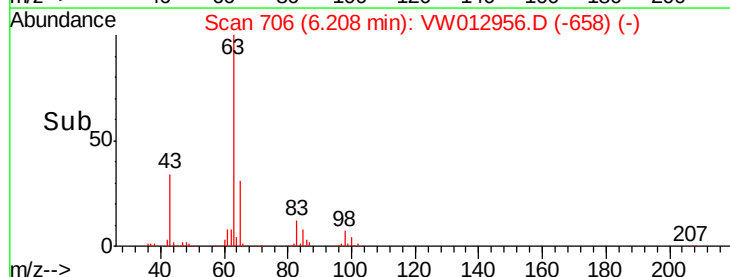
150000

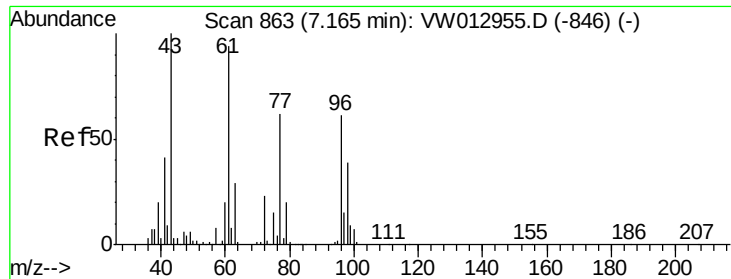
100000

50000

0

Time-->





#25

2-Butanone

Concen: 474.245 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 395000

Ion Ratio Lower Upper

43 100

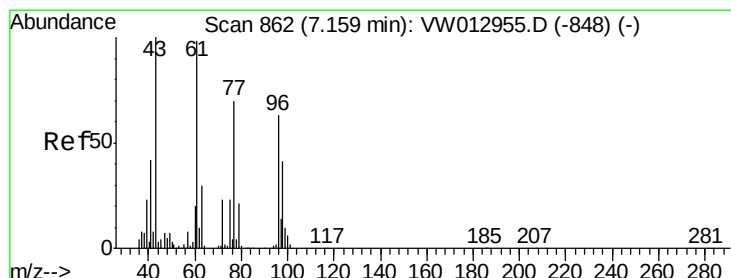
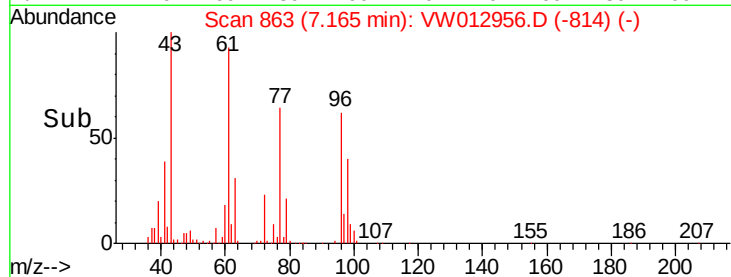
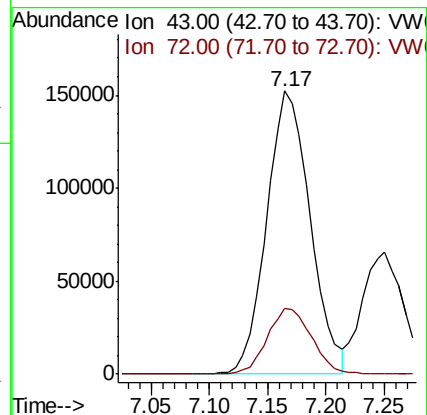
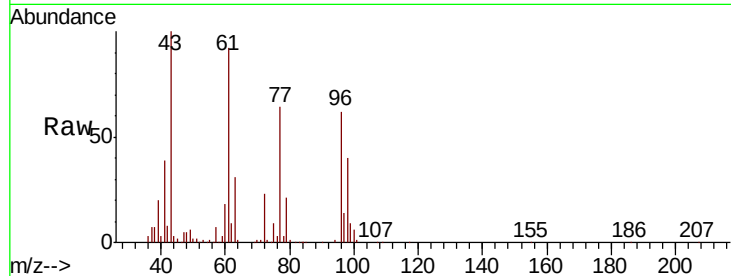
72 23.4 18.2 27.4

Manual Integrations

APPROVED

MMDadoda

9/16/2019 12:43:44 AM



#26

2,2-Dichloropropane

Concen: 88.679 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW012956.D

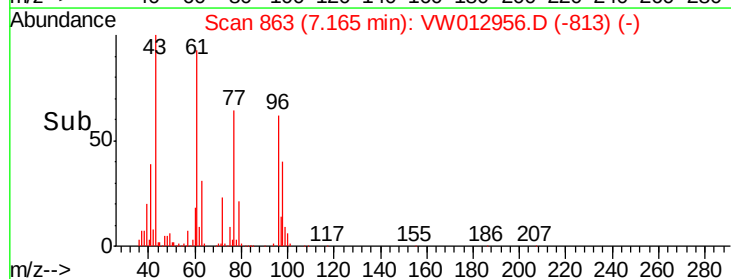
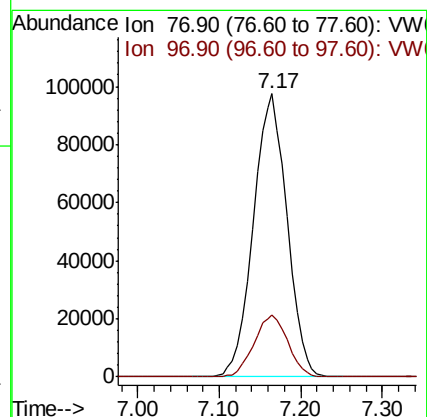
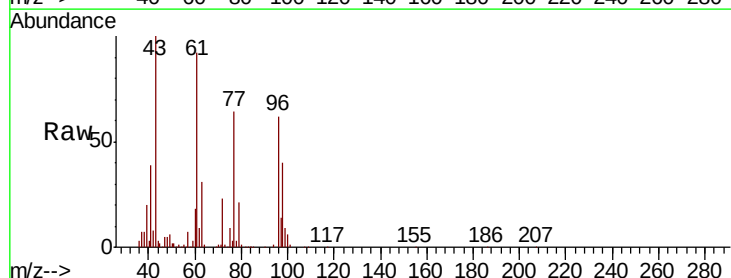
Acq: 13 Sep 2019 15:50

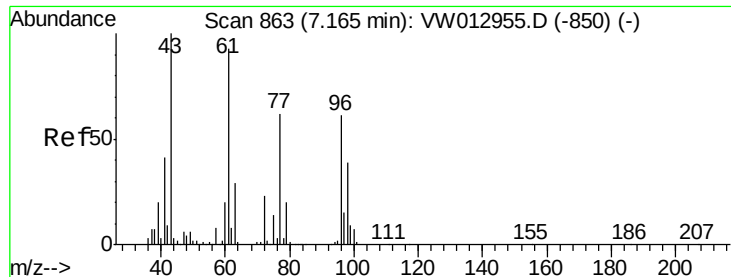
Tgt Ion: 77 Resp: 279919

Ion Ratio Lower Upper

77 100

97 21.9 10.7 32.1





#27

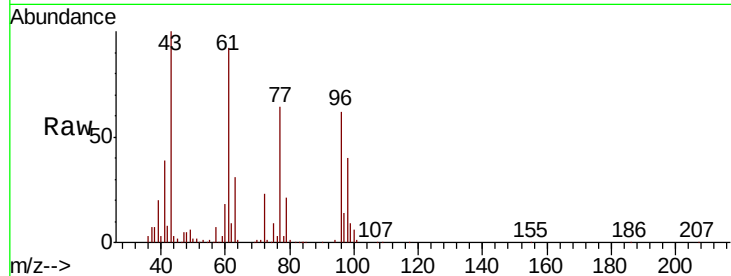
cis-1,2-Dichloroethene
Concen: 96.086 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

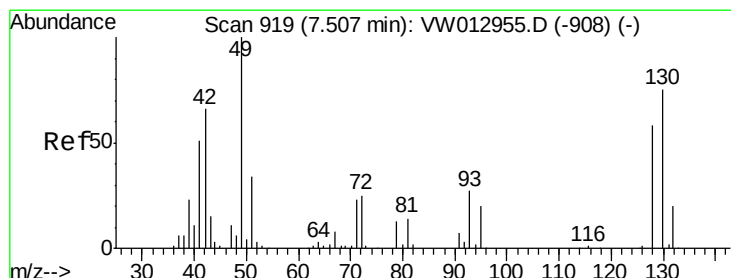
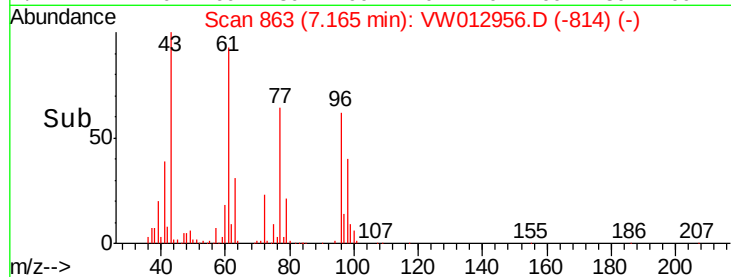
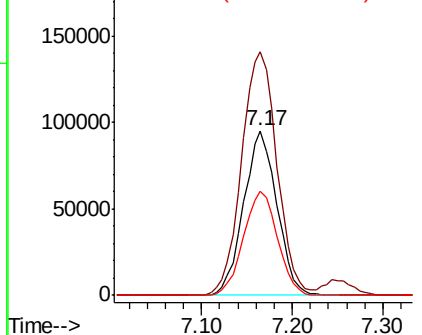
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	241199		
61	157.3	0.0	315.4	
98	64.8	0.0	131.0	

Manual Integrations
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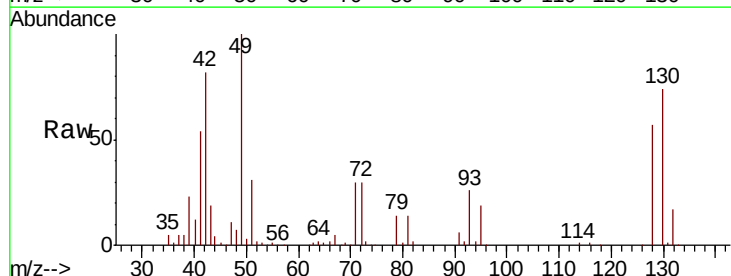
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



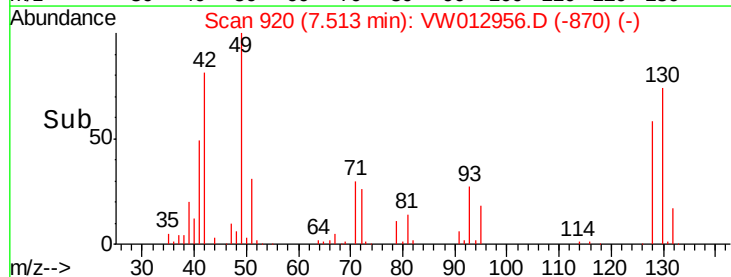
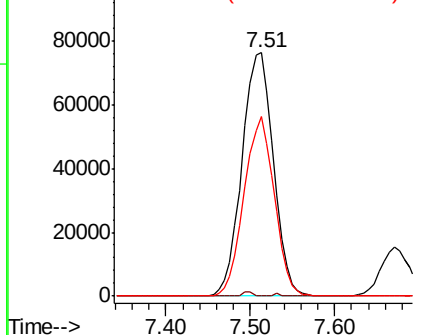
#28

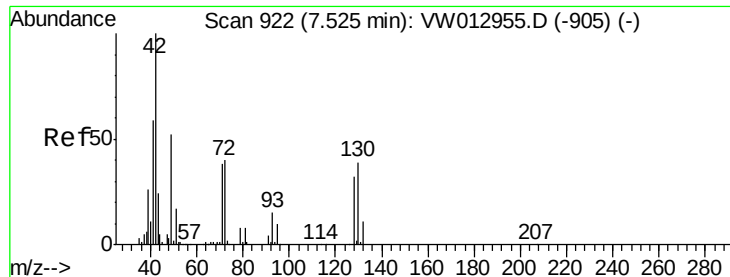
Bromochloromethane
Concen: 102.623 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	192281		
129	0.6	0.0	1.4	
130	71.3	57.8	86.6	



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





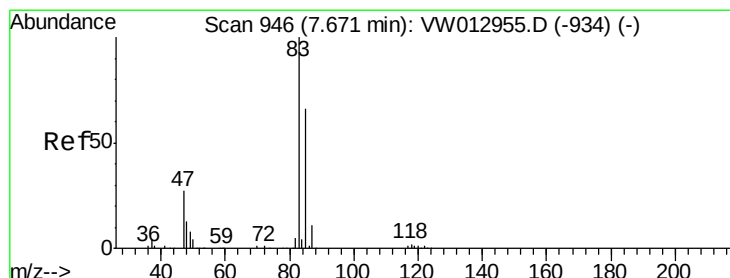
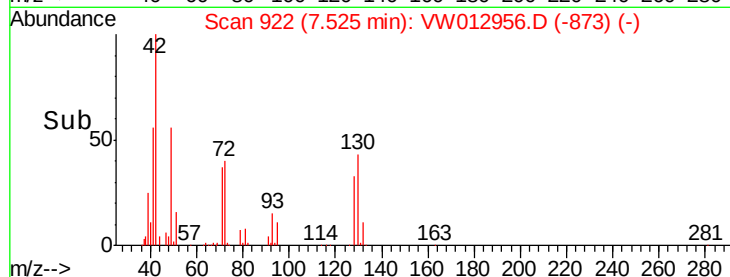
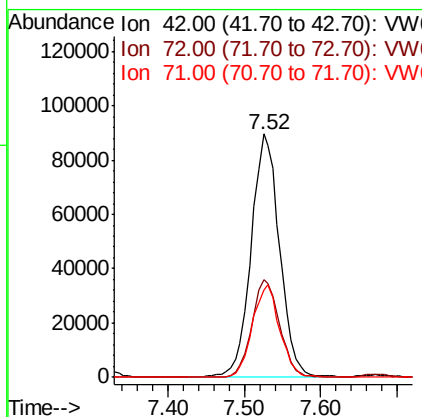
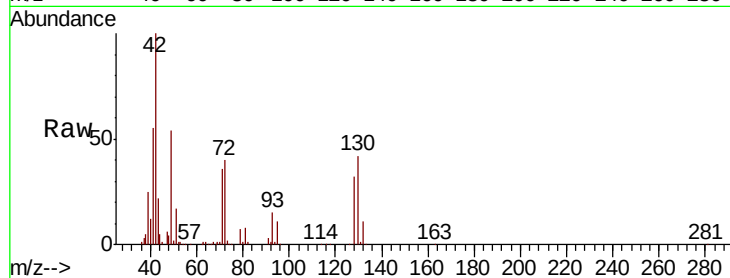
#29
Tetrahydrofuran
Concen: 489.080 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:	42	Resp:	232104
Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.4	47.0
71	36.8	29.8	44.8

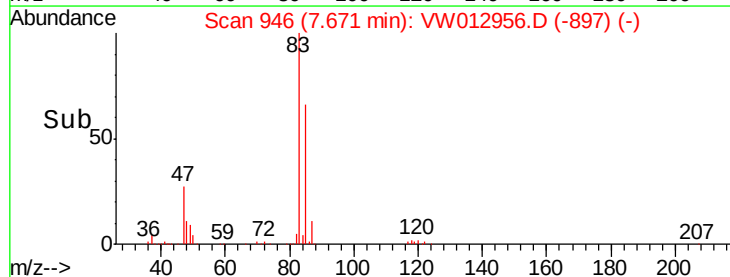
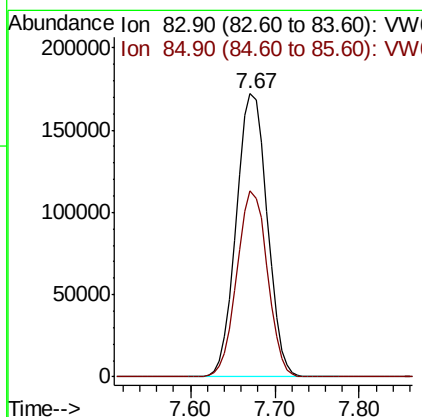
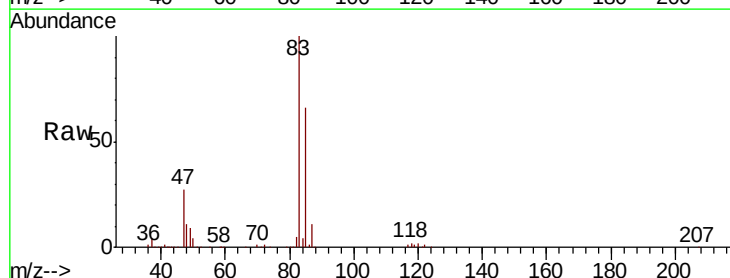
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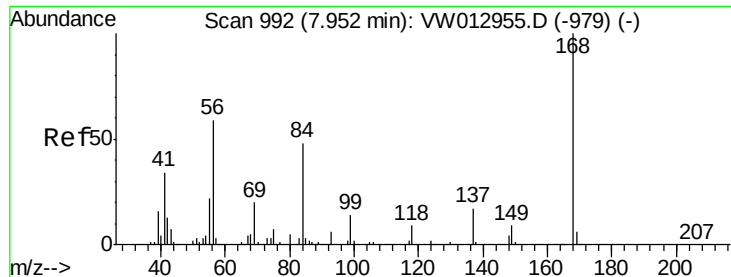
MMDadoda
9/16/2019 12:43:44 AM



#30
Chloroform
Concen: 94.467 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion:	83	Resp:	427287
Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.8	79.2





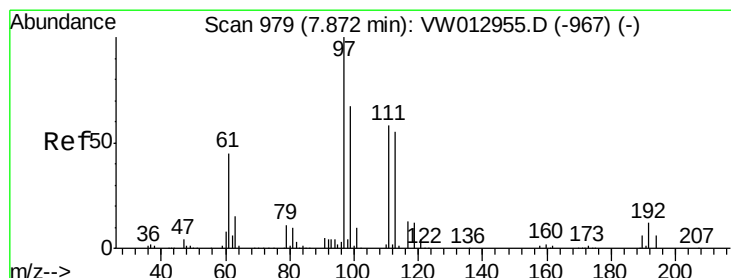
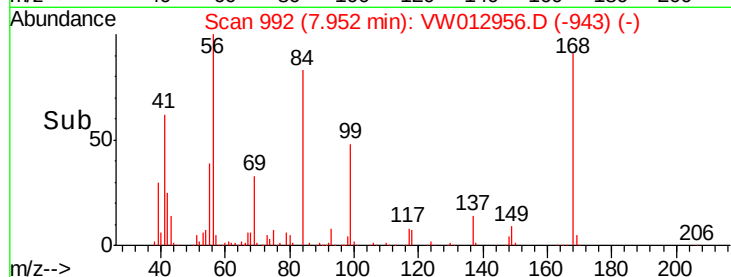
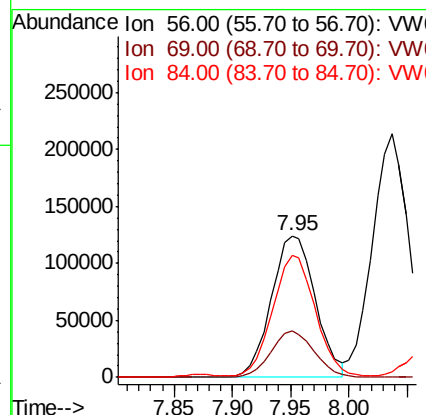
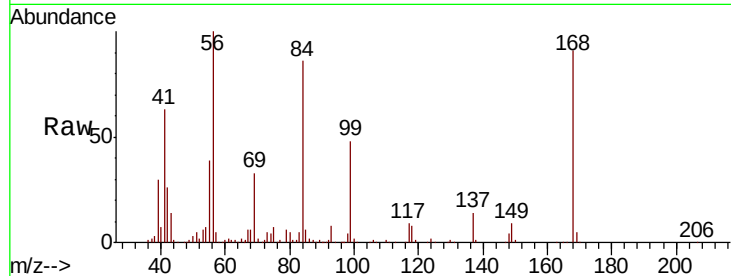
#31
Cyclohexane
Concen: 85.794 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.8	27.0	40.6
84	84.4	66.2	99.2

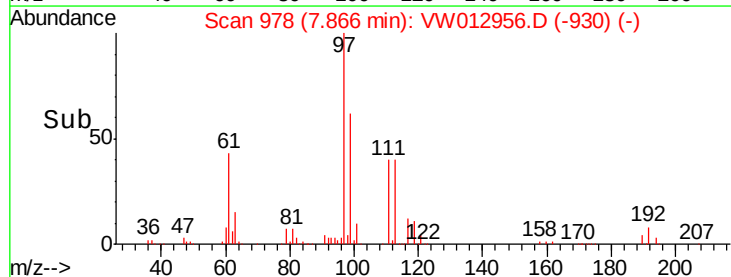
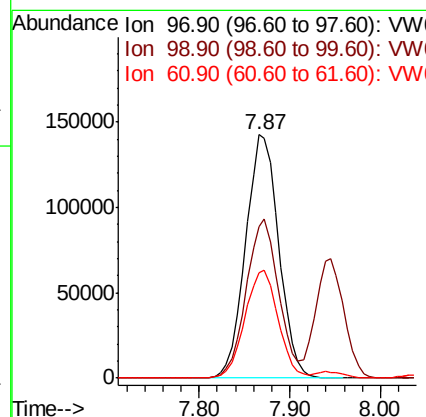
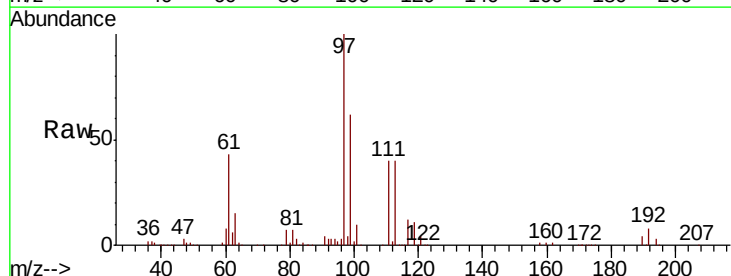
Manual Integrations
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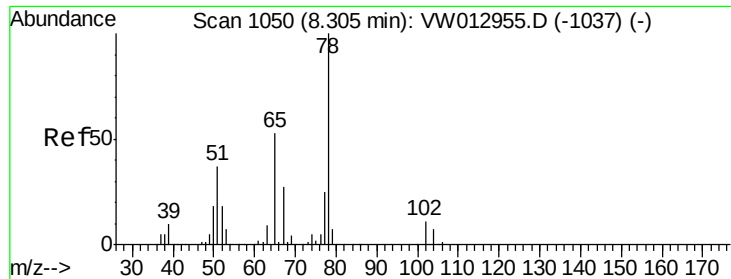
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#32
1,1,1-Trichloroethane
Concen: 96.943 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	53.0	79.4
61	44.6	36.5	54.7





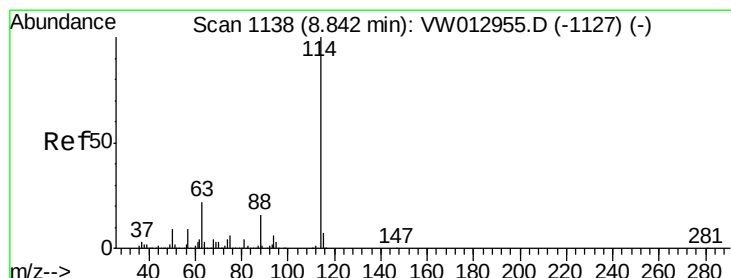
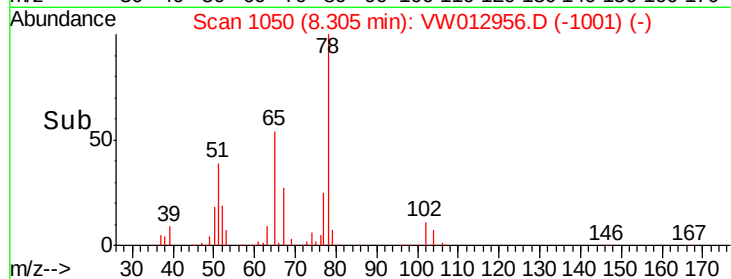
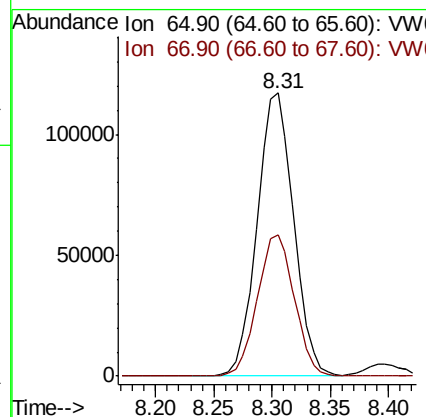
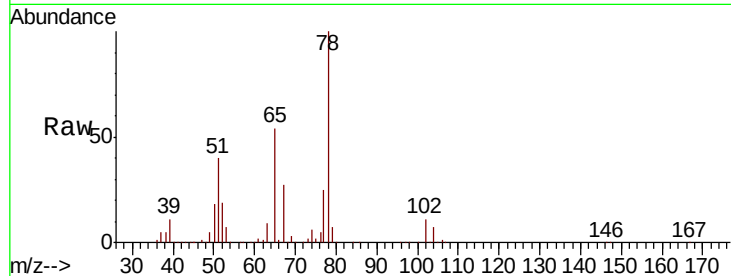
#33
 1,2-Dichloroethane-d4
 Concen: 97.223 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	254664		
67	50.4	0.0	101.2	

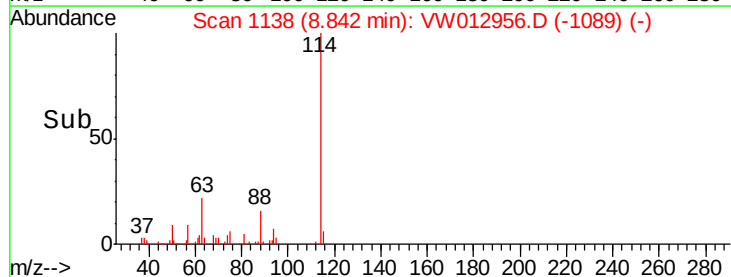
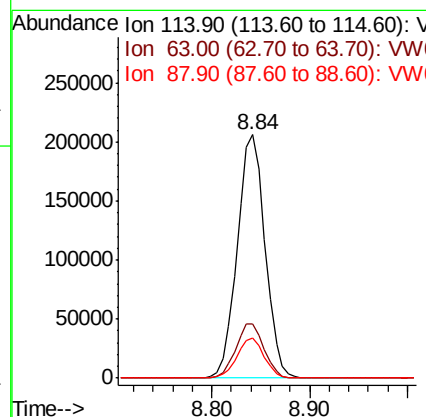
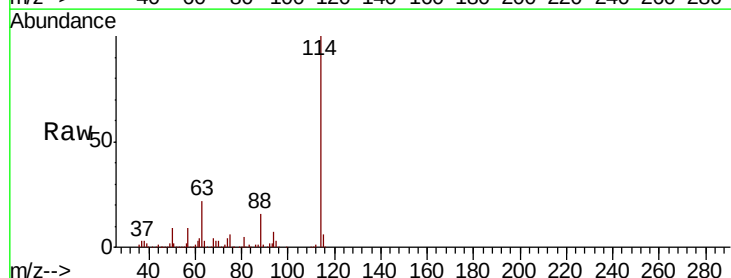
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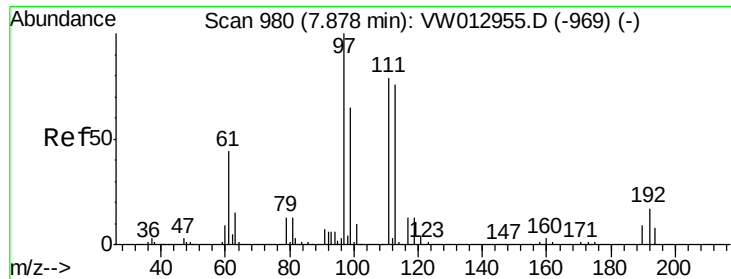
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	405241		
63	22.4	0.0	43.4	
88	16.4	0.0	31.6	





#35

Dibromofluoromethane

Concen: 99.177 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 113 Resp: 218079

Ion Ratio Lower Upper

113 100

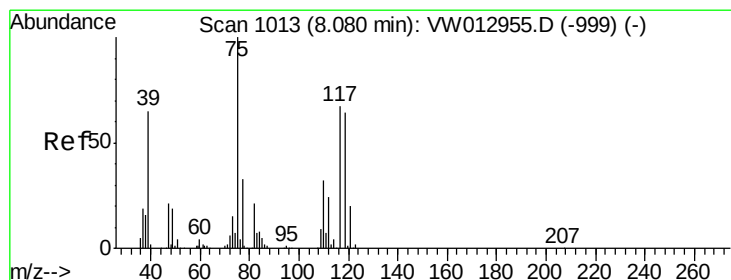
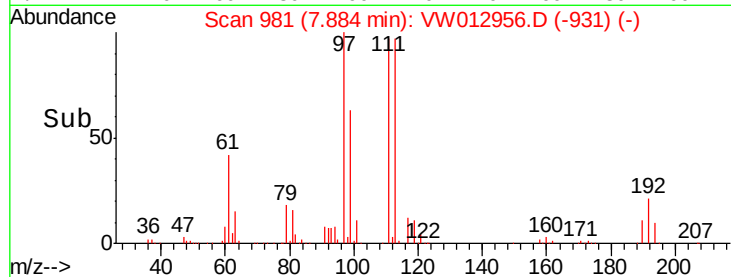
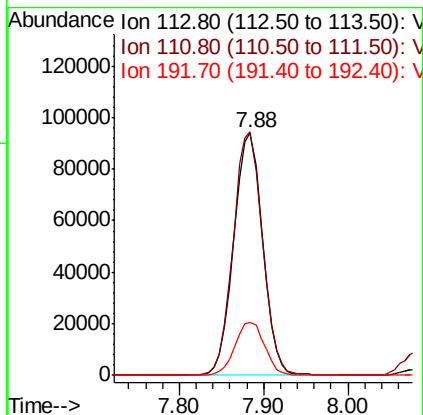
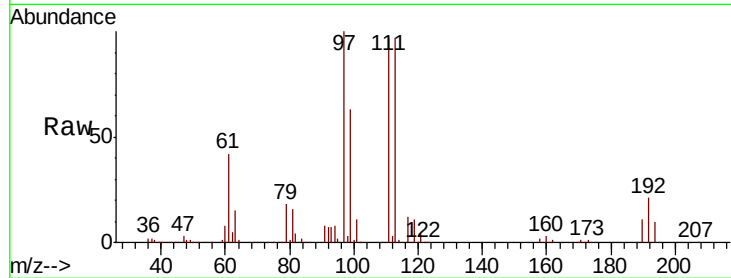
111 101.4 82.8 124.2

192 22.4 17.8 26.8

Manual Integrations
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9/16/2019 12:43:44 AM



#36

1,1-Dichloropropene

Concen: 95.890 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

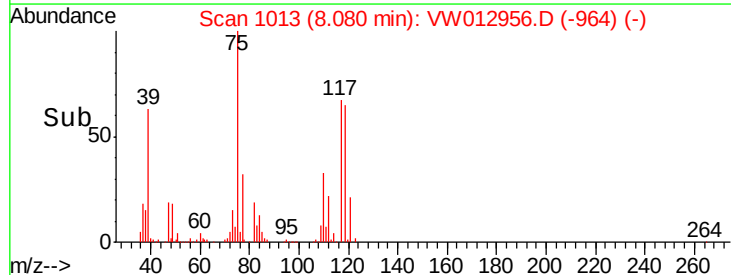
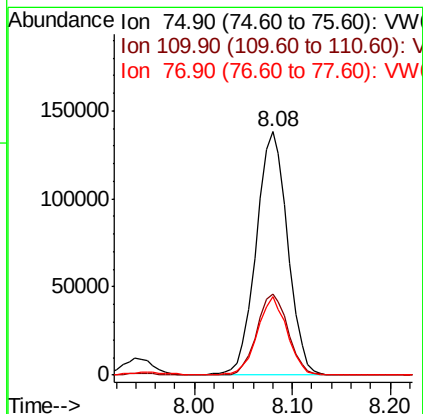
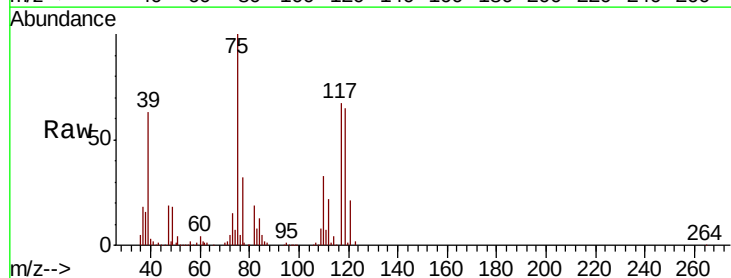
Tgt Ion: 75 Resp: 310514

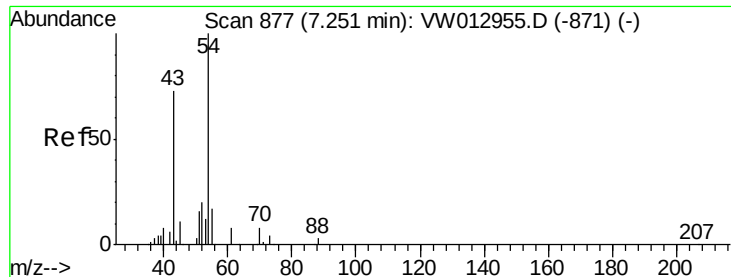
Ion Ratio Lower Upper

75 100

110 33.3 16.4 49.1

77 30.8 25.1 37.7





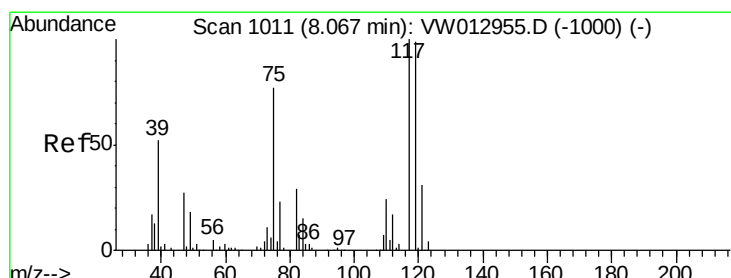
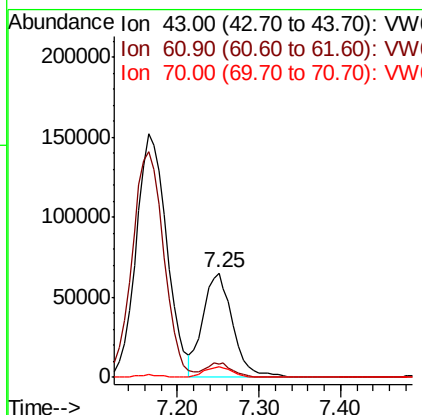
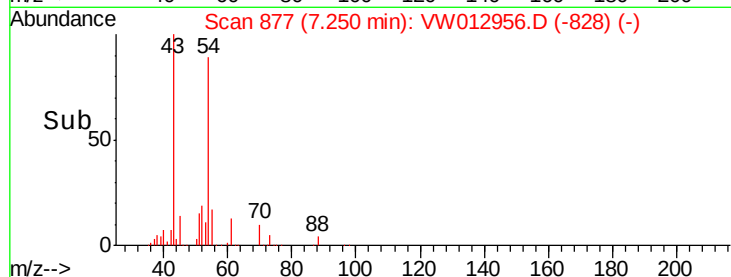
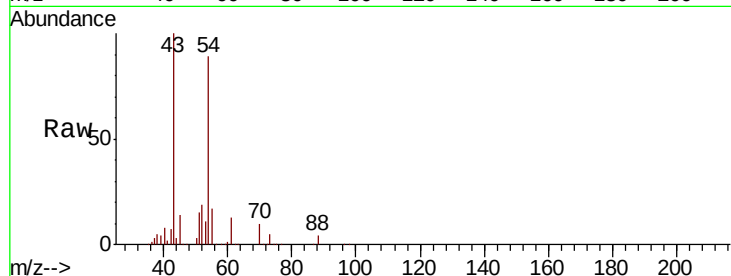
#37
Ethyl Acetate
Concen: 97.016 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.6	14.4
70	9.8	7.6	11.4

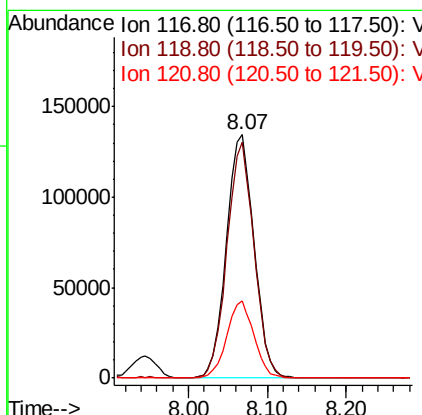
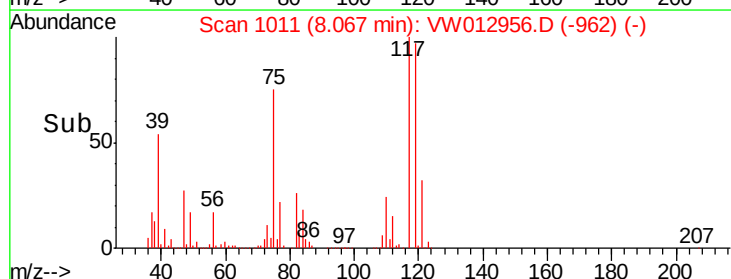
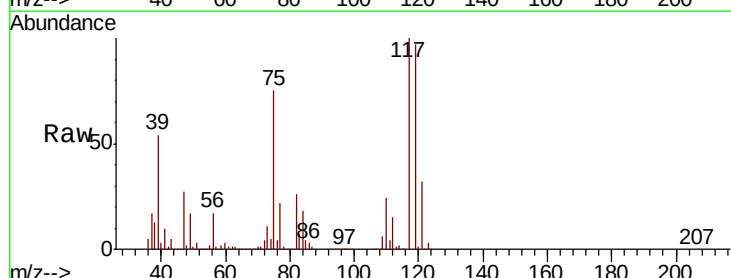
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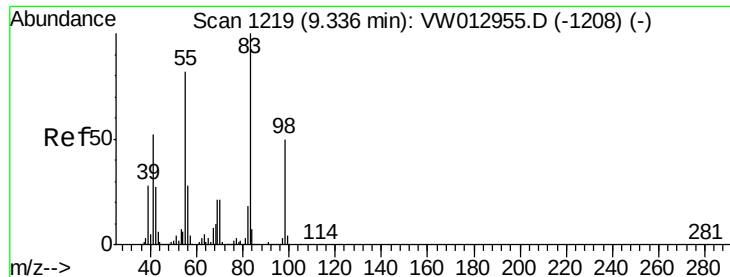
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#38
Carbon Tetrachloride
Concen: 99.165 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.4	119.0
121	31.6	24.6	36.8





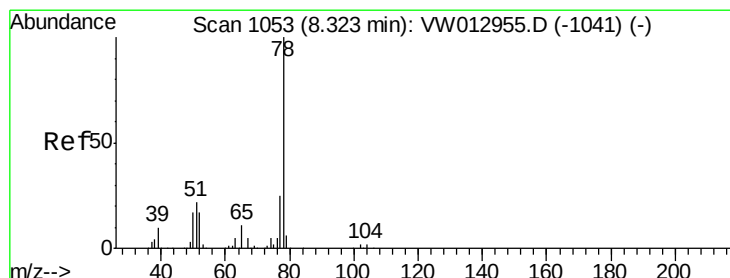
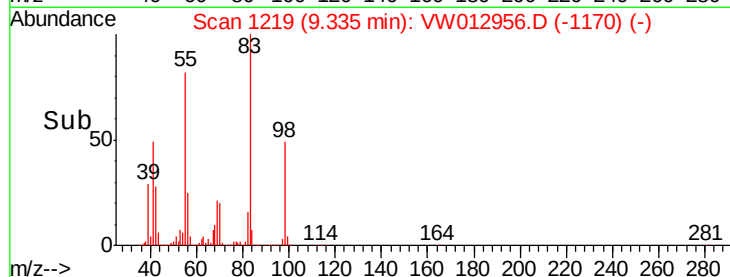
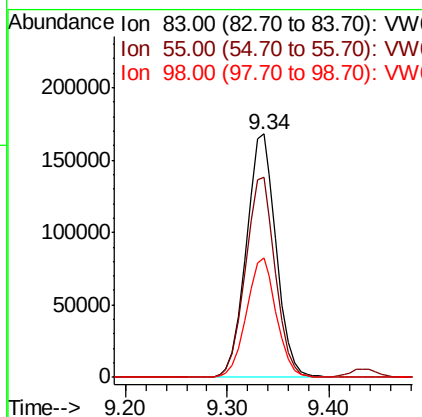
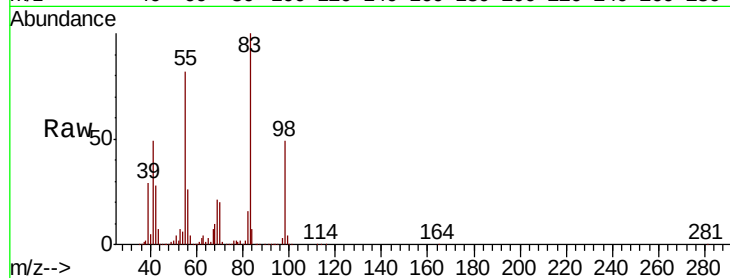
#39
Methylcyclohexane
Concen: 96.329 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	341813		
55	82.4	65.9	98.9	
98	49.0	39.6	59.4	

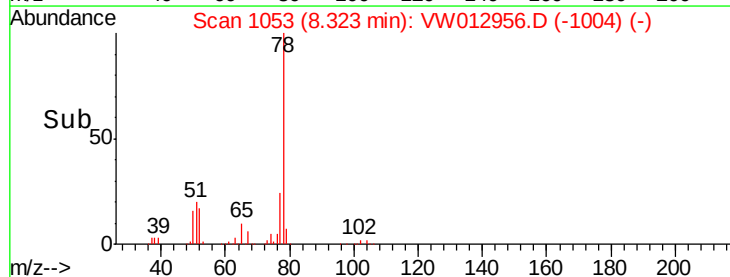
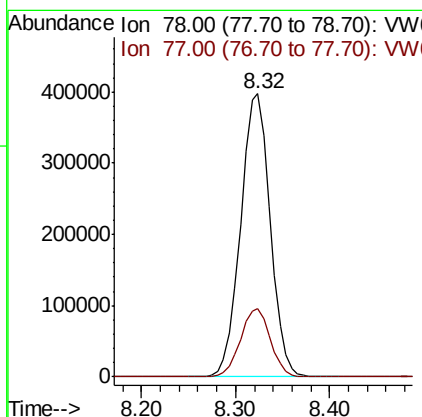
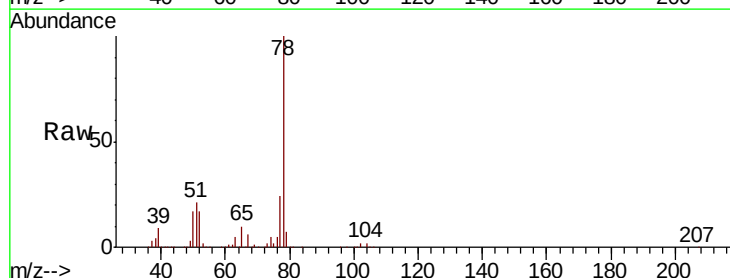
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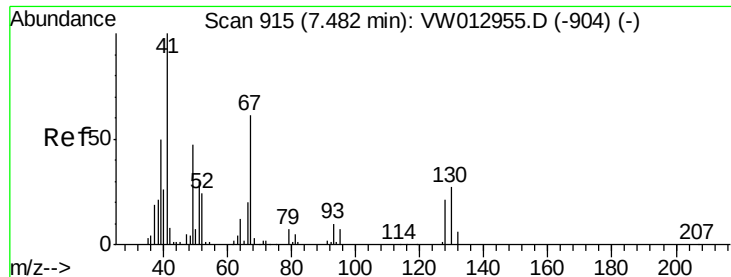
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#40
Benzene
Concen: 96.562 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	872924		
77	24.0	19.6	29.4	





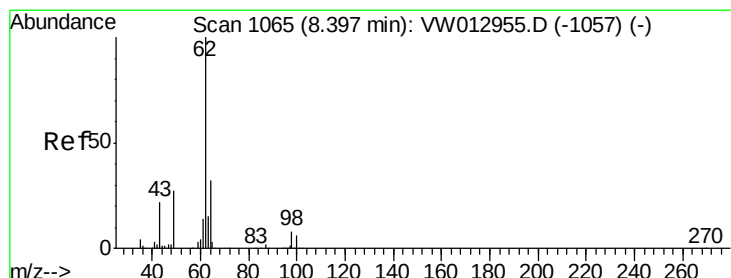
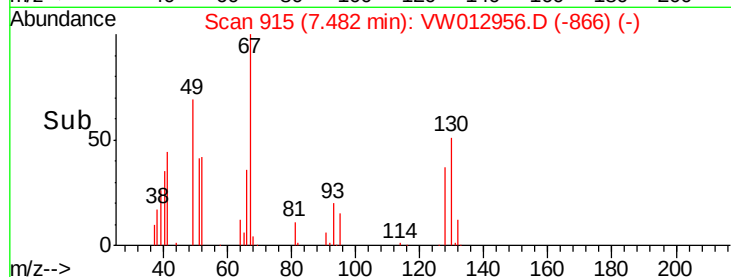
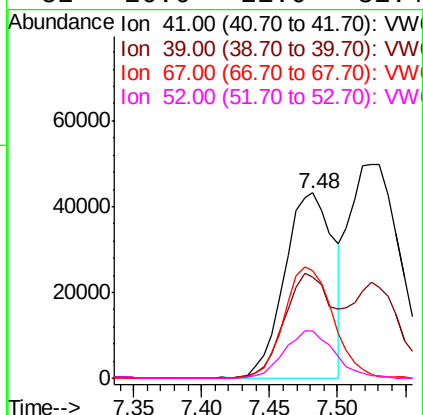
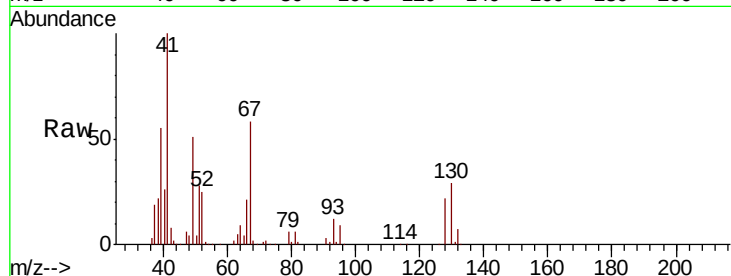
#41
Methacrylonitrile
Concen: 95.340 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.6	48.2	72.4
67	60.4	47.5	71.3
52	26.6	21.0	31.4

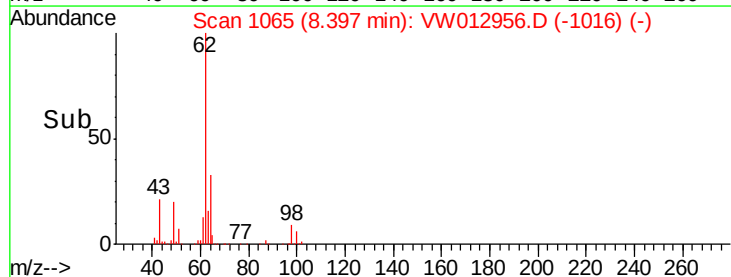
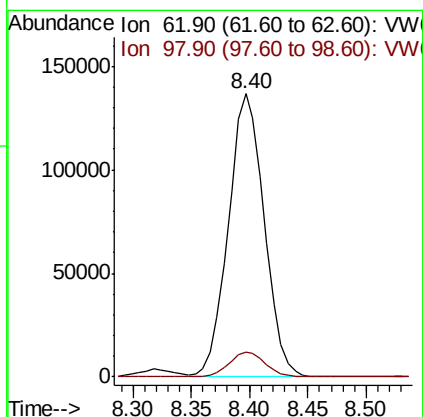
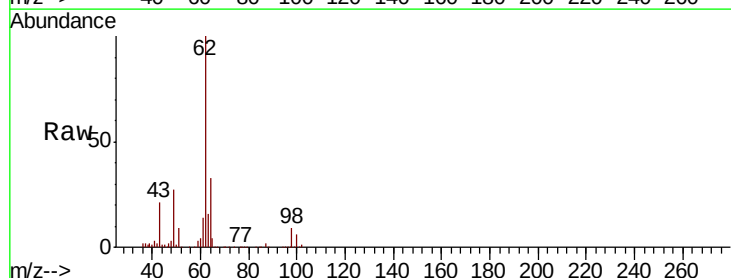
Manual Integrations
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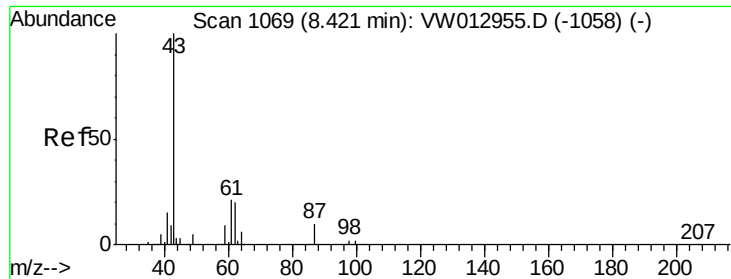
MMDadoda
9/16/2019 12:43:44 AM



#42
1,2-Dichloroethane
Concen: 96.339 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	16.8





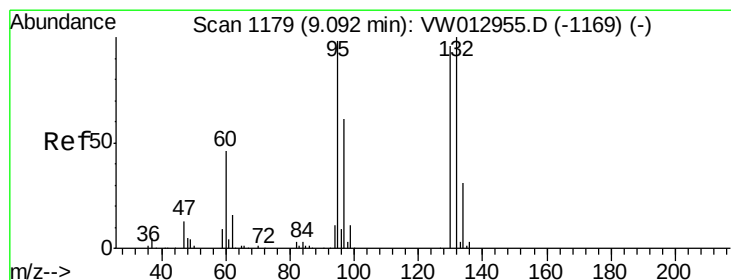
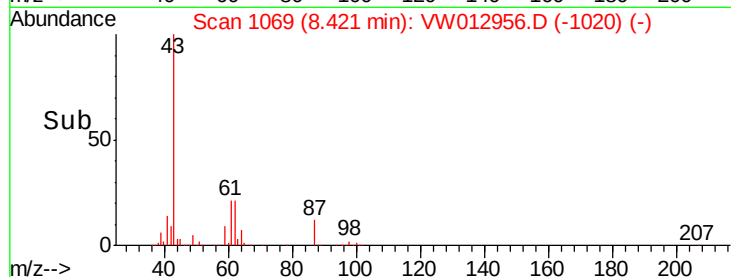
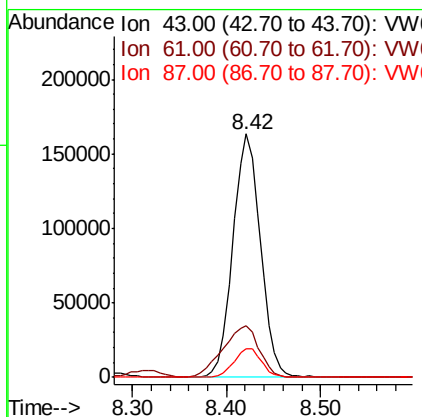
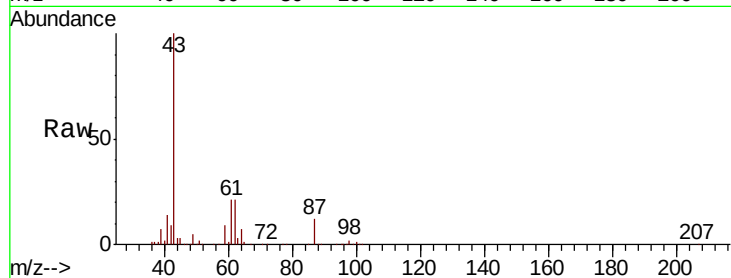
#43
Isopropyl Acetate
Concen: 100.535 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.7	34.1
87	11.9	9.4	14.2

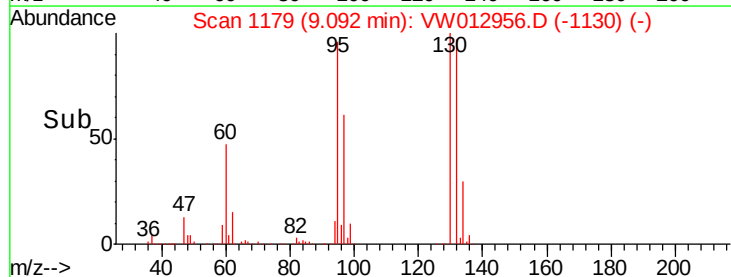
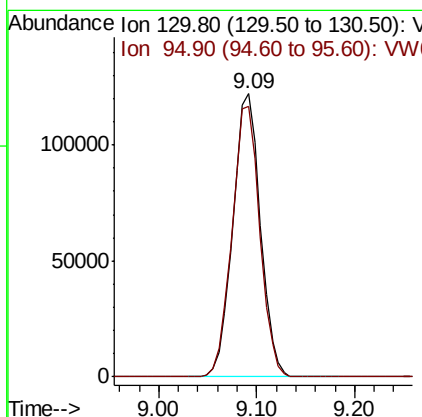
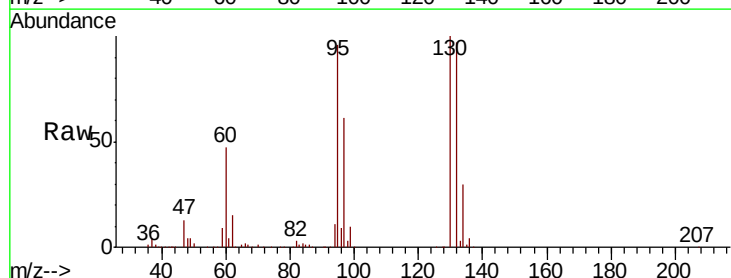
Manual Integrations
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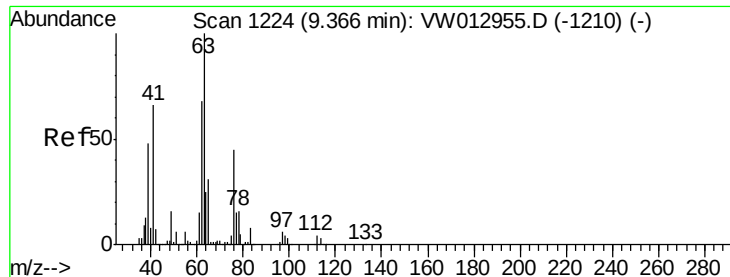
MMDadoda
9/16/2019 12:43:44 AM



#44
Trichloroethene
Concen: 96.215 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	204.4





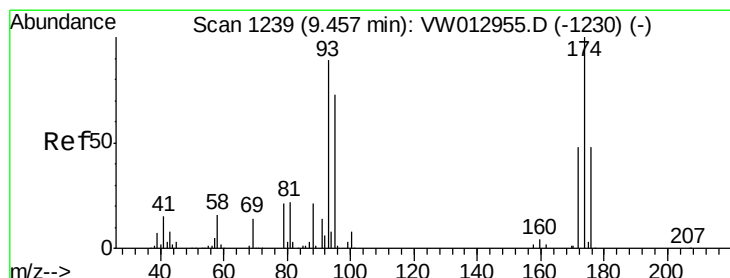
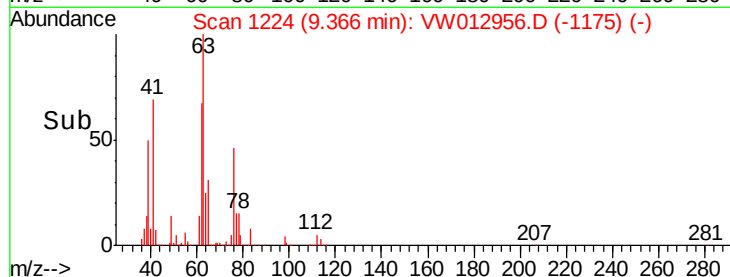
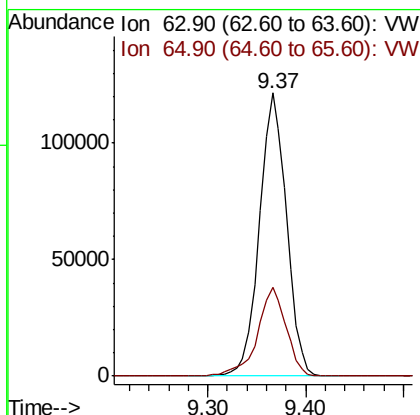
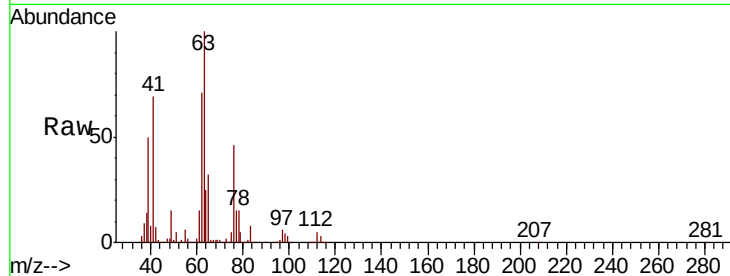
#45
 1,2-Dichloropropane
 Concen: 97.001 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.6	37.0

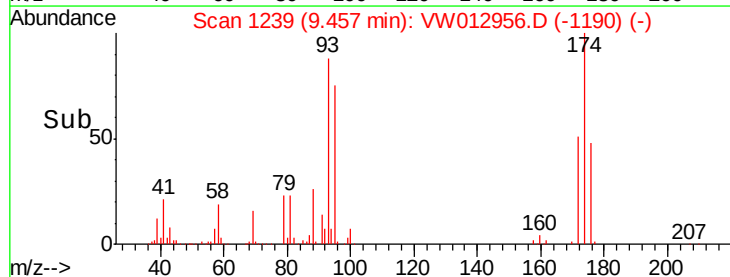
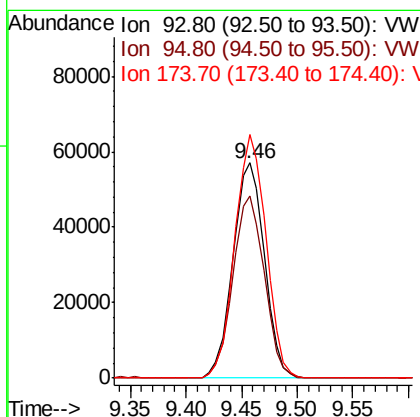
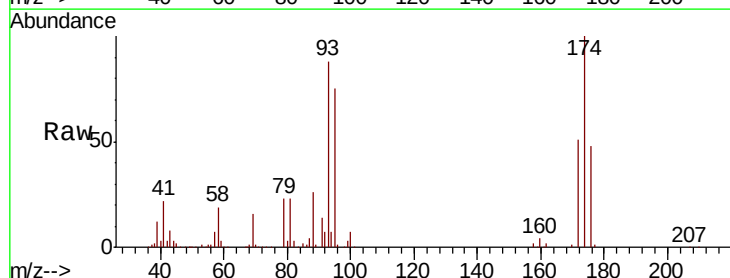
Manual Integrations
 APPROVED

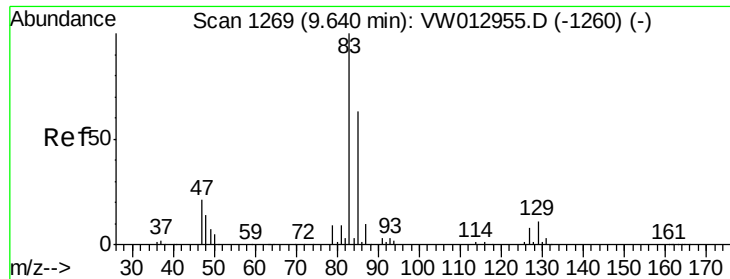
MMDadoda
 9/16/2019 12:43:44 AM



#46
 Dibromomethane
 Concen: 97.191 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	67.0	100.4
174	112.2	90.5	135.7





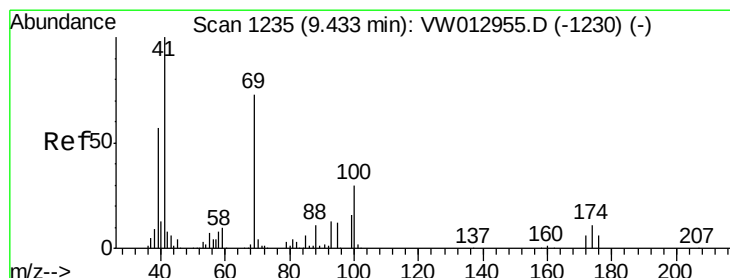
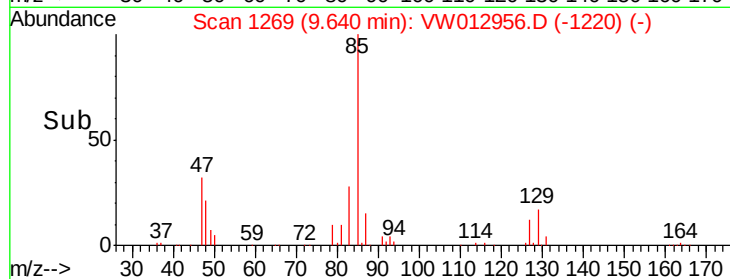
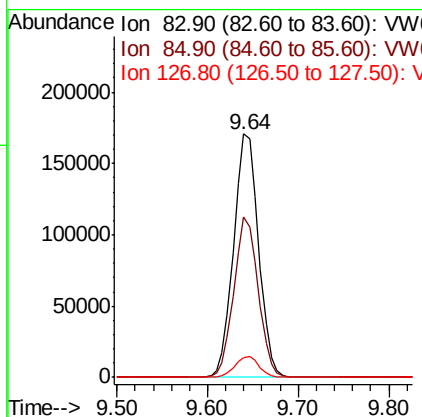
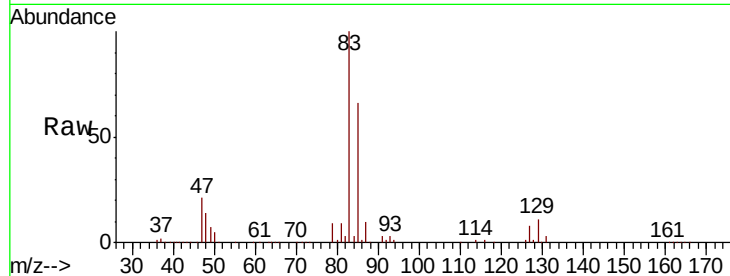
#47
Bromodichloromethane
Concen: 100.769 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	325254		
85	66.1	50.6	75.8	
127	8.2	6.7	10.1	

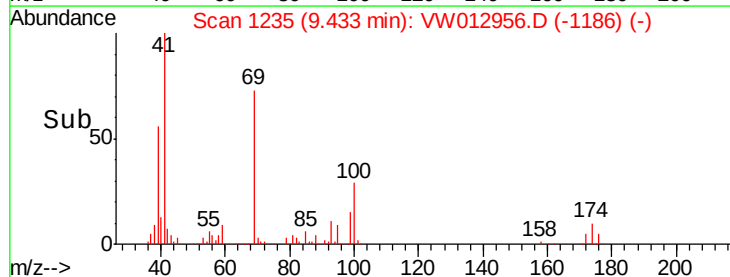
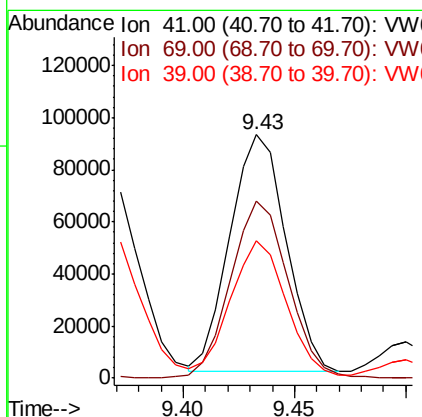
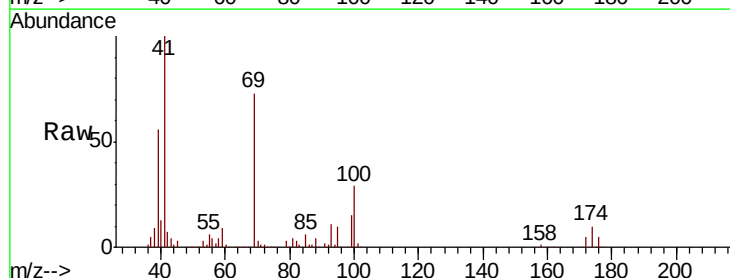
Manual Integrations
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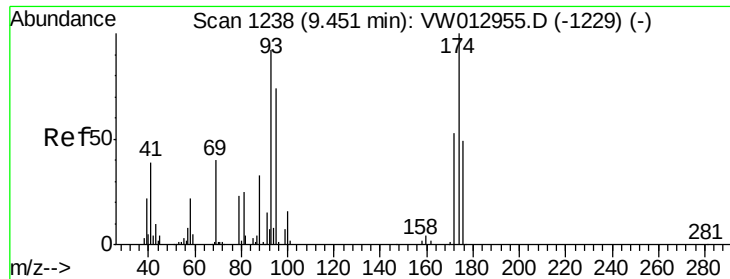
MMDadoda
9/16/2019 12:43:44 AM



#48
Methyl methacrylate
Concen: 103.144 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	159752		
69	76.3	62.8	94.2	
39	58.5	48.5	72.7	





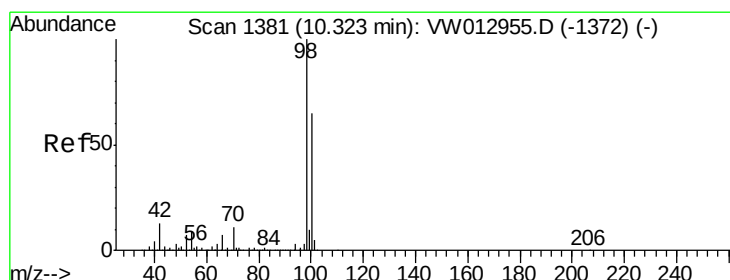
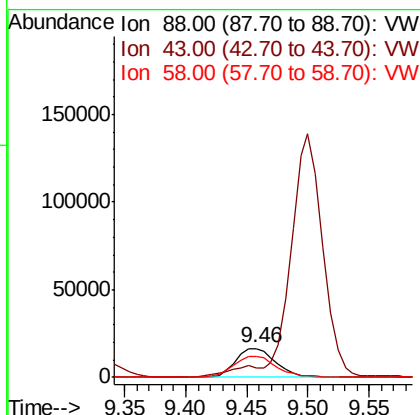
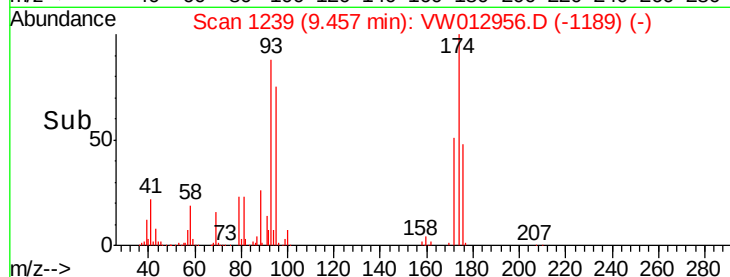
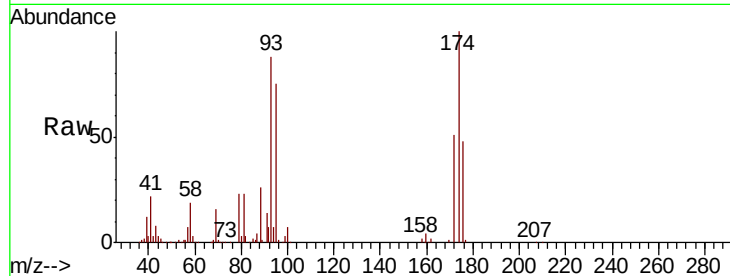
#49
1,4-Dioxane
Concen: 1943.372 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.3	46.9#
58	79.7	60.2	90.2

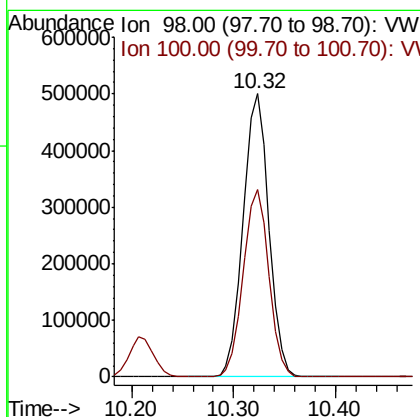
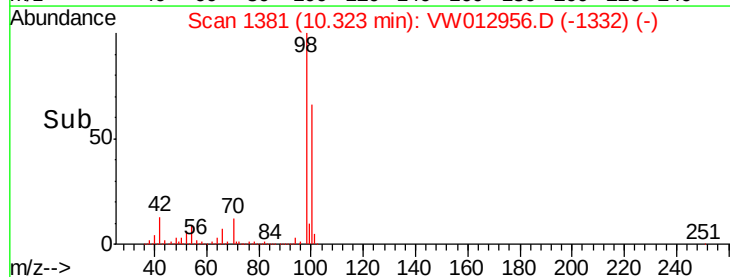
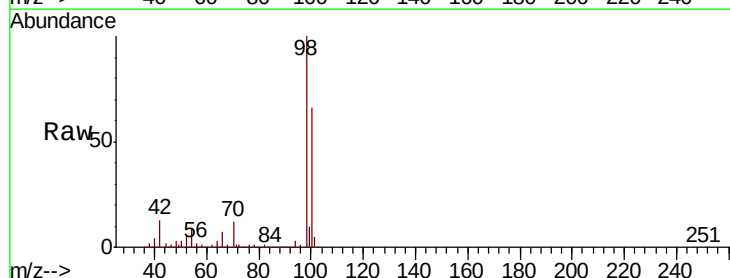
Manual Integrations
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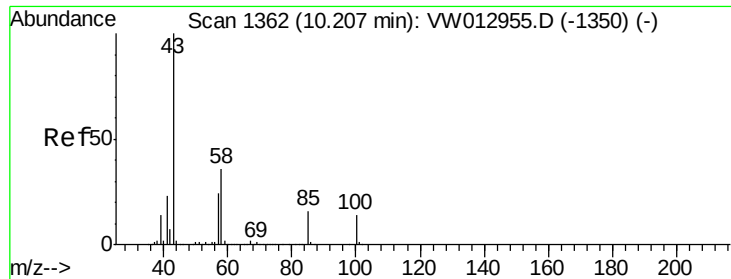
MMDadoda
9/16/2019 12:43:44 AM



#50
Toluene-d8
Concen: 101.749 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.1	78.1





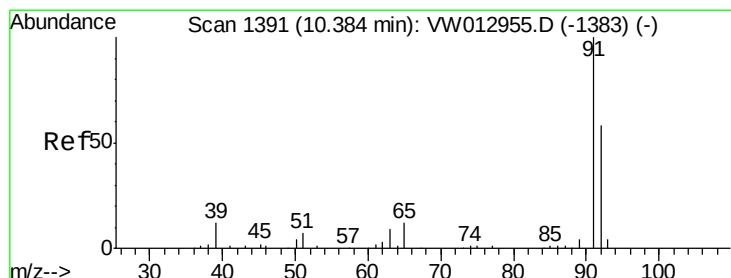
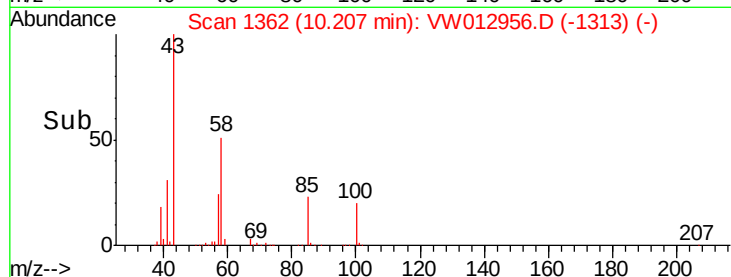
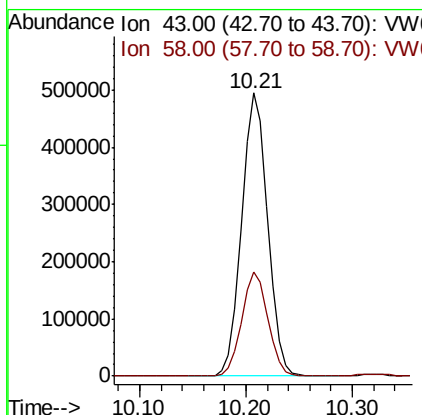
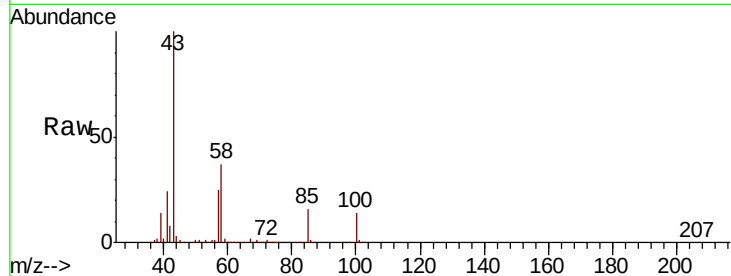
#51
 4-Methyl-2-Pentanone
 Concen: 497.881 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion: 43 Resp: 848294
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.5 44.3

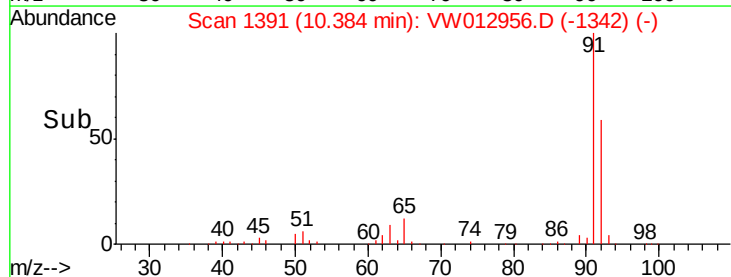
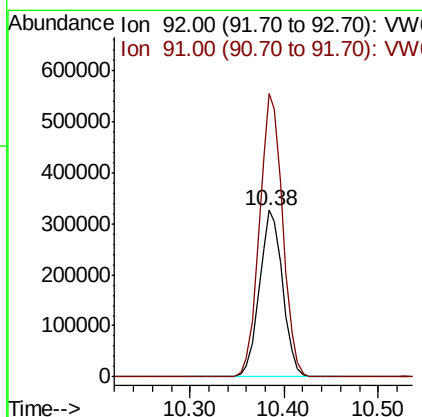
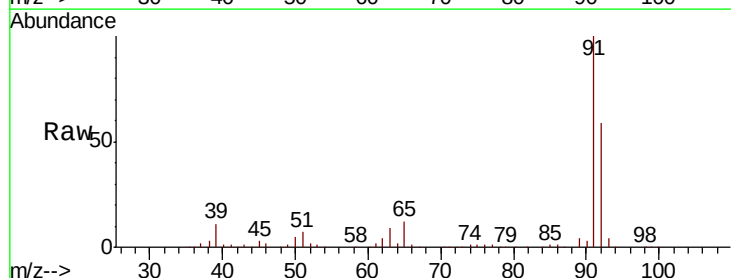
Manual Integrations
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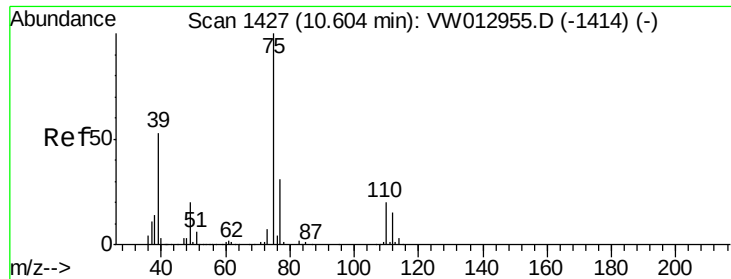
MMDadoda
 9/16/2019 12:43:44 AM



#52
 Toluene
 Concen: 98.051 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion: 92 Resp: 563246
 Ion Ratio Lower Upper
 92 100
 91 170.5 137.5 206.3





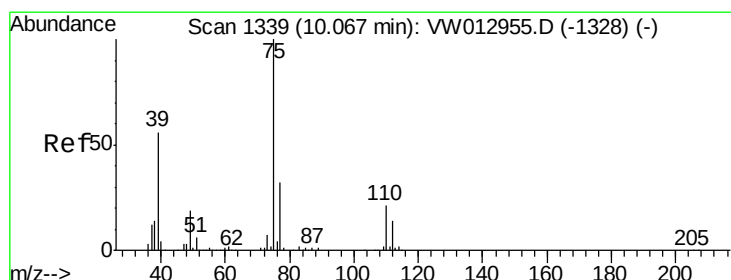
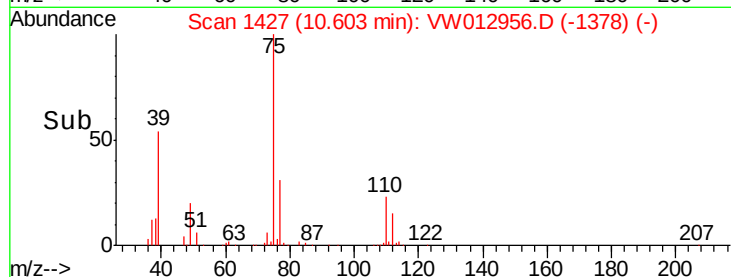
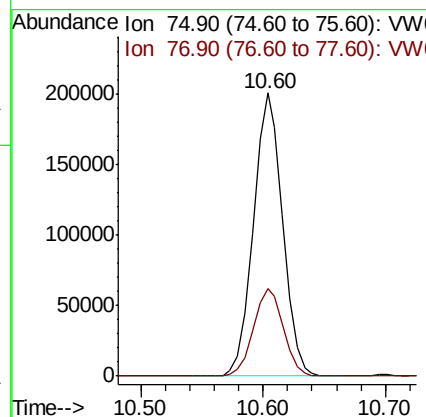
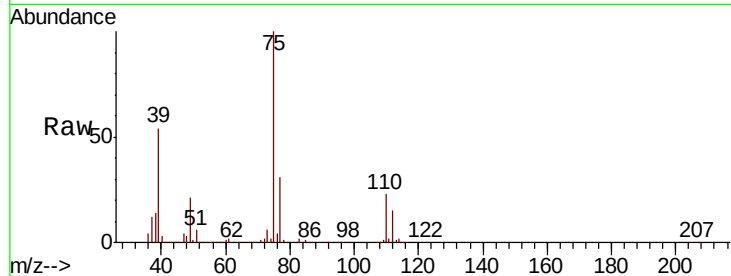
#53
t-1,3-Dichloropropene
Concen: 102.533 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 75 Resp: 332841
Ion Ratio Lower Upper
75 100
77 31.1 24.6 37.0

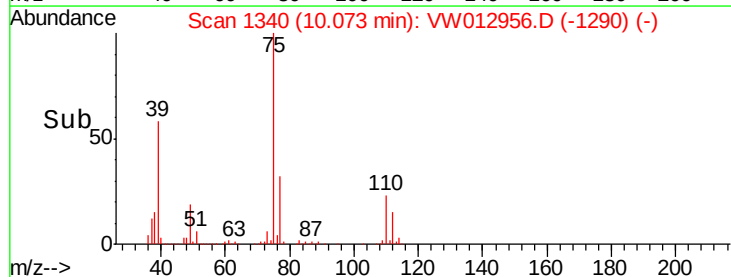
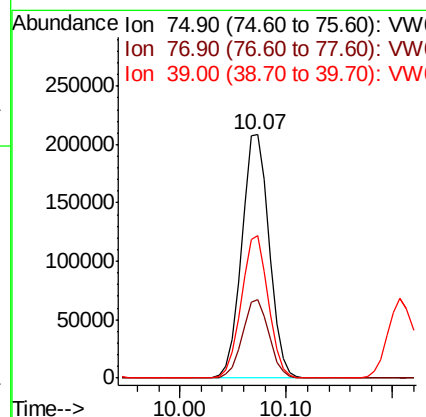
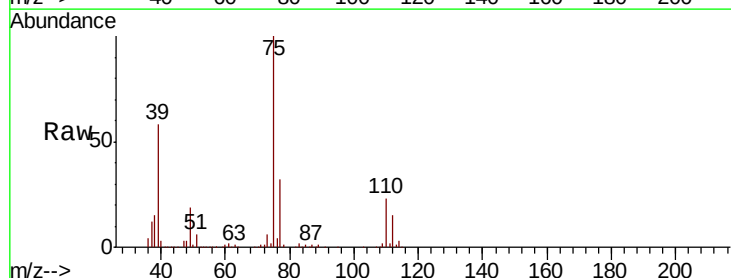
Manual Integrations
APPROVED

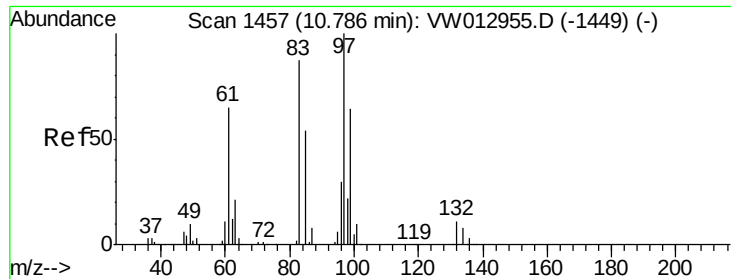
MMDadoda
9/16/2019 12:43:44 AM



#54
cis-1,3-Dichloropropene
Concen: 102.179 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.01 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 75 Resp: 379517
Ion Ratio Lower Upper
75 100
77 32.0 25.5 38.3
39 58.2 45.0 67.6





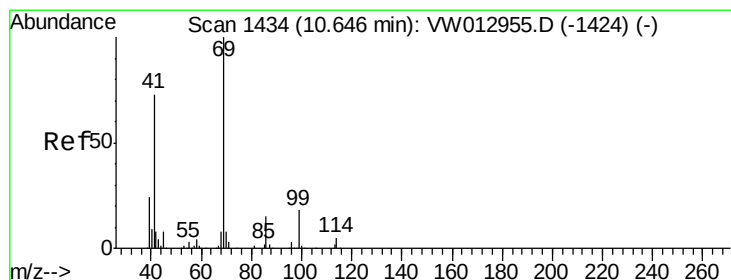
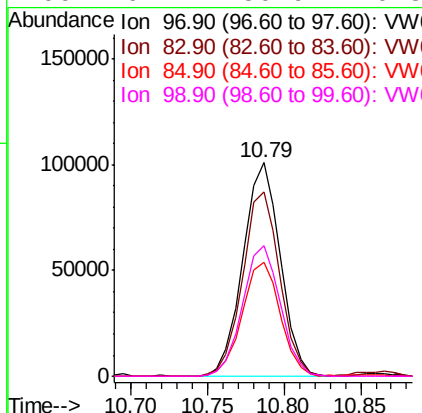
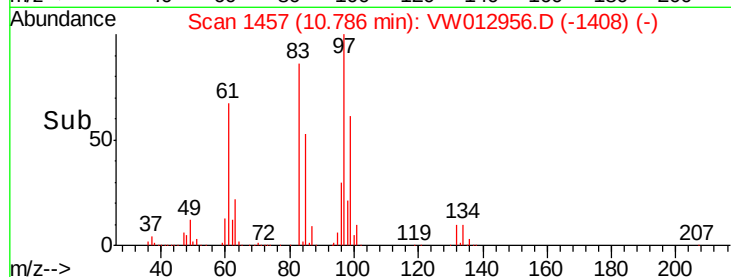
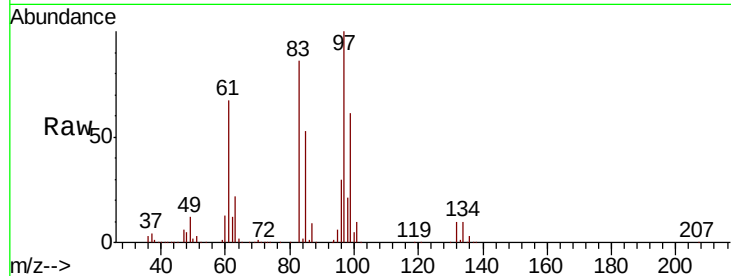
#55
 1,1,2-Trichloroethane
 Concen: 97.670 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	171212		
83	86.3	69.4	104.0	
85	53.4	43.3	64.9	
99	61.4	50.9	76.3	

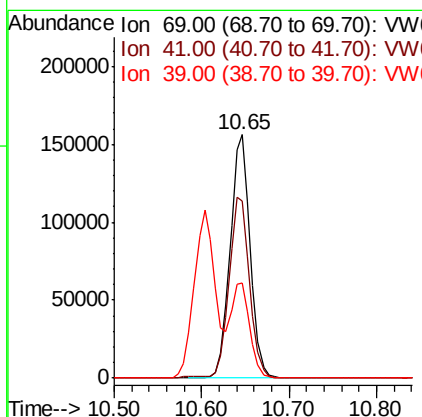
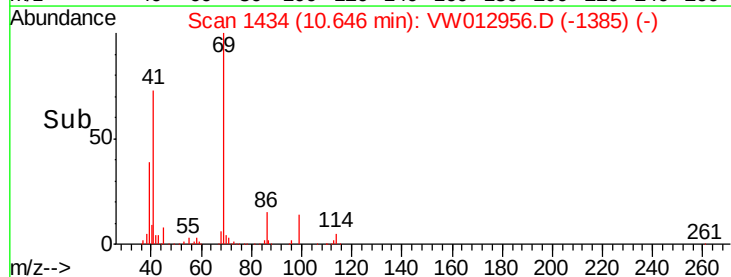
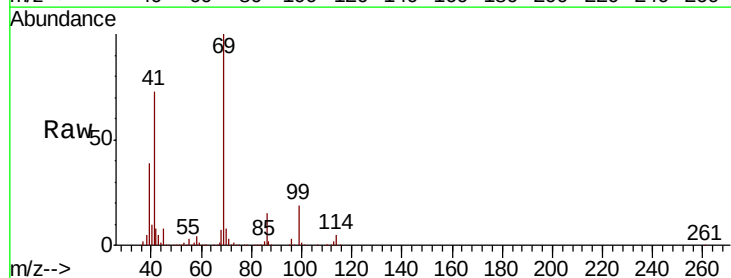
Manual Integrations
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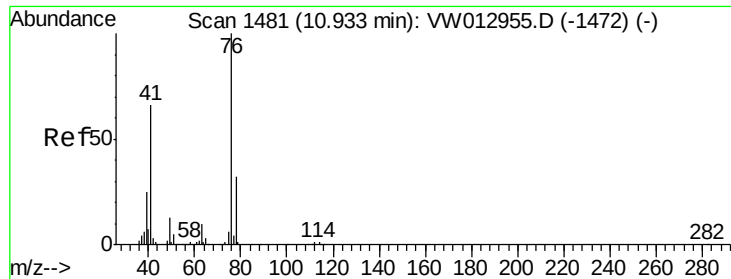
MMDadoda
 9/16/2019 12:43:44 AM



#56
 Ethyl methacrylate
 Concen: 105.092 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	247969		
41	75.3	60.8	91.2	
39	35.5	29.4	44.0	





#57

1,3-Dichloropropane

Concen: 98.738 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 307036

Ion Ratio Lower Upper

76 100

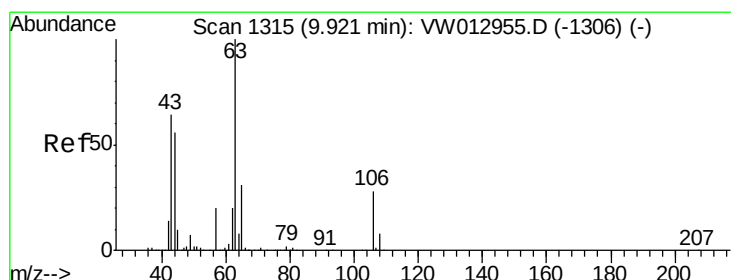
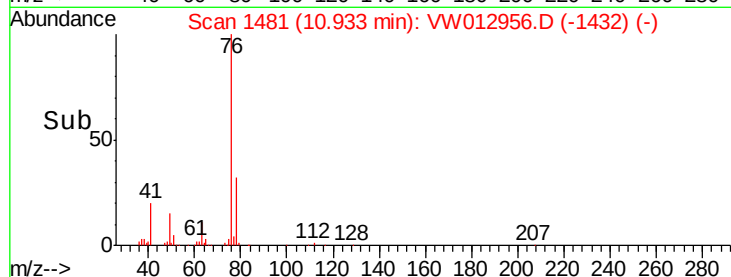
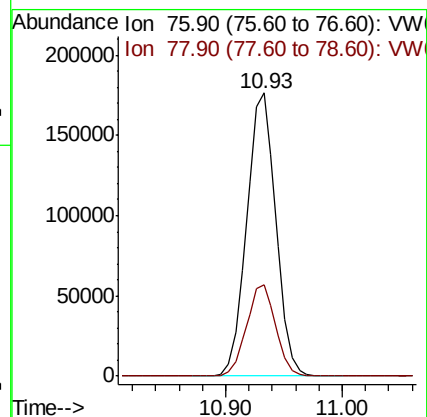
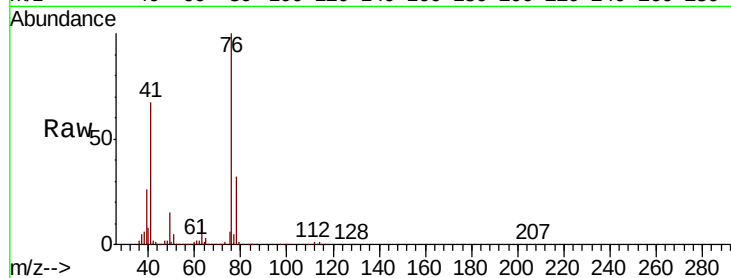
78 32.2 25.6 38.4

Manual Integrations

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MMDadoda

9/16/2019 12:43:44 AM



#58

2-Chloroethyl Vinyl ether

Concen: 523.637 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW012956.D

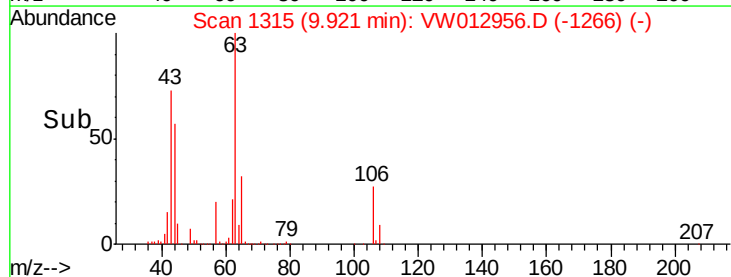
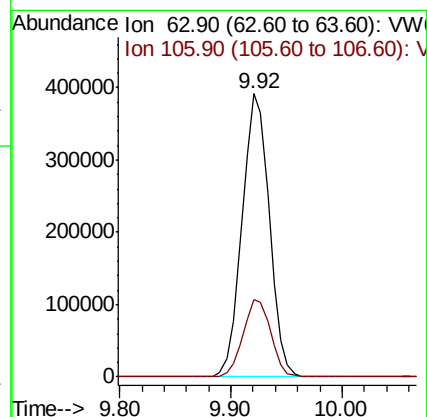
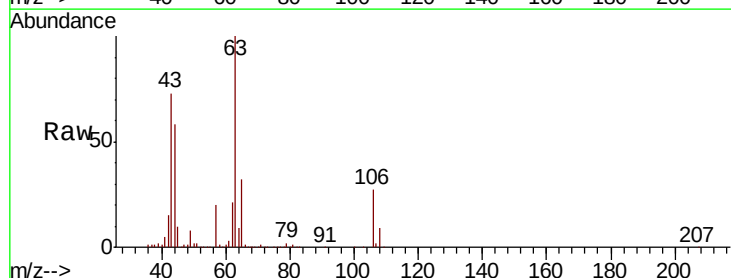
Acq: 13 Sep 2019 15:50

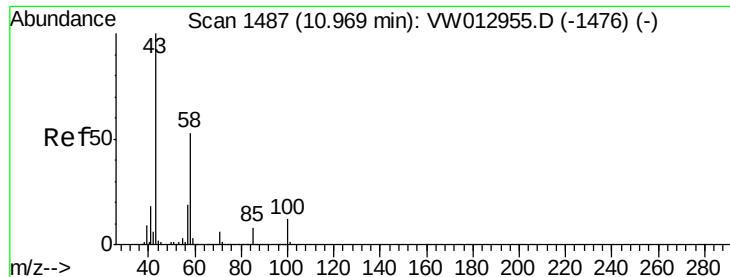
Tgt Ion: 63 Resp: 662783

Ion Ratio Lower Upper

63 100

106 27.8 22.2 33.2





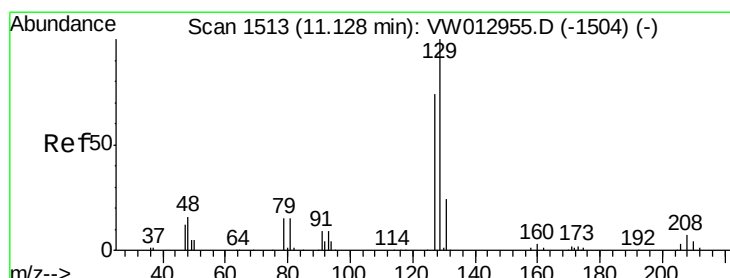
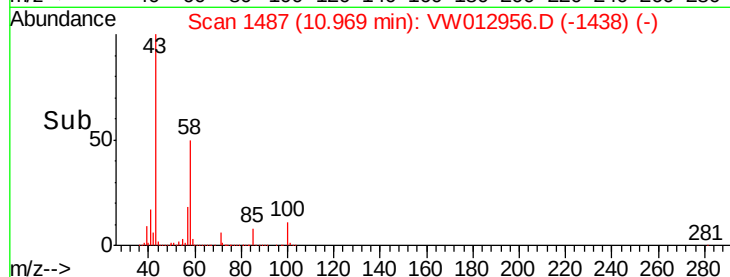
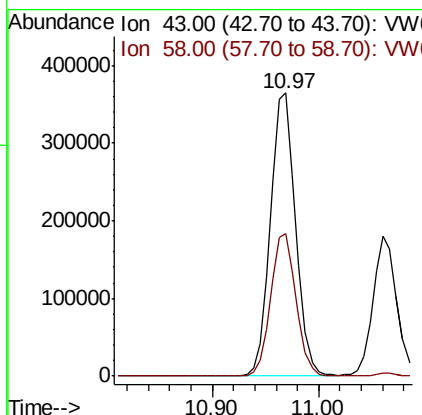
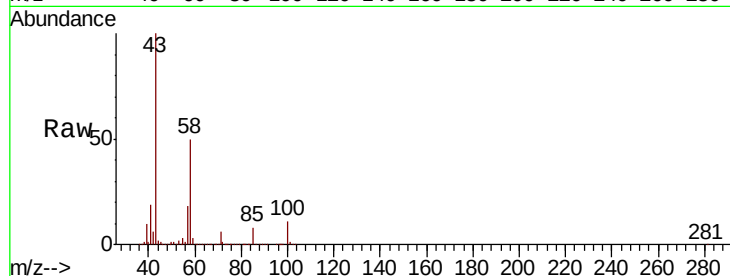
#59
2-Hexanone
Concen: 507.545 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 602140
Ion Ratio Lower Upper
43 100
58 50.8 25.8 77.3

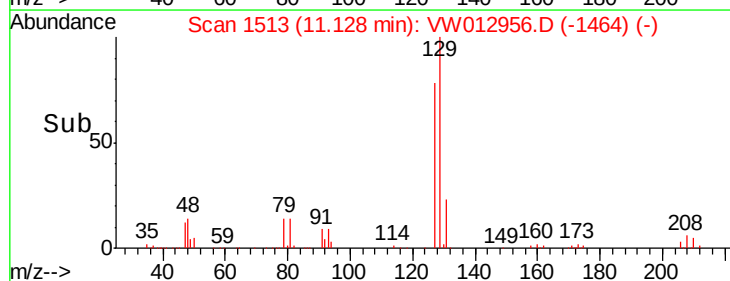
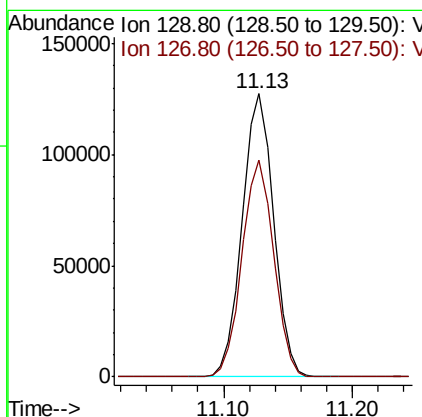
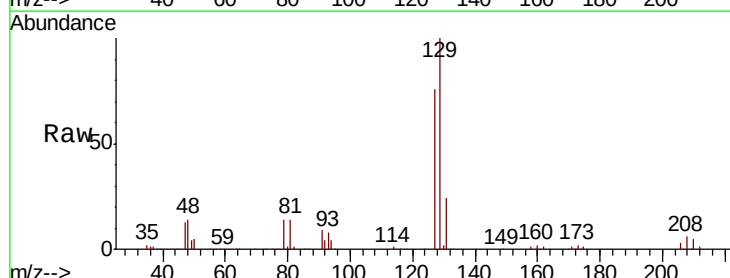
Manual Integrations
APPROVED

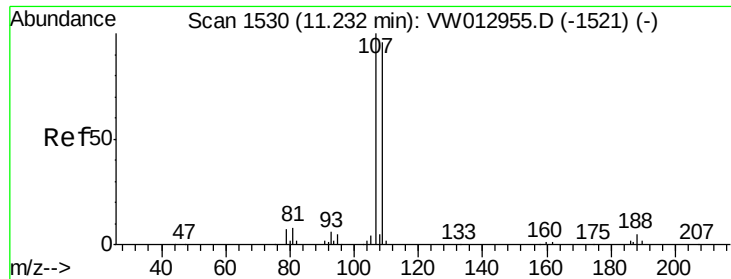
MMDadoda
9/16/2019 12:43:44 AM



#60
Dibromochloromethane
Concen: 101.321 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 129 Resp: 214732
Ion Ratio Lower Upper
129 100
127 77.2 37.4 112.2





#61

1,2-Dibromoethane

Concen: 98.252 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 107 Resp: 157116

Ion Ratio Lower Upper

107 100

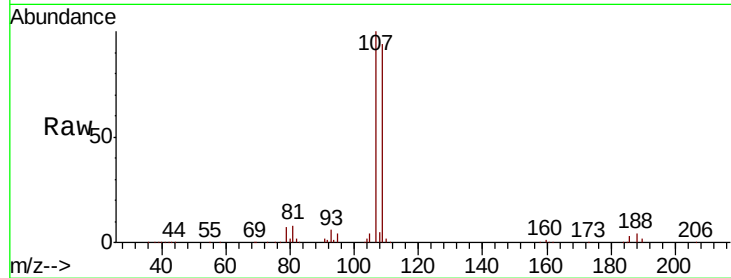
109 94.6 75.0 112.6

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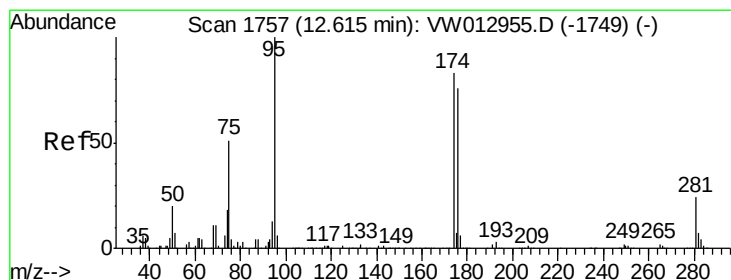
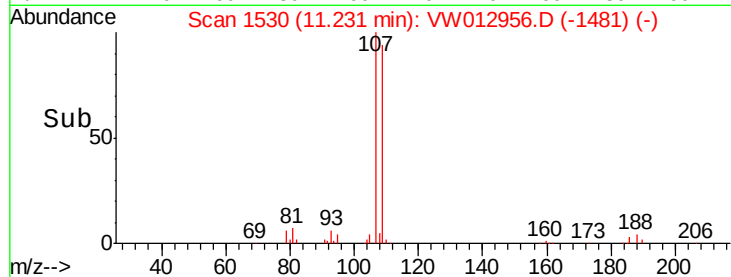
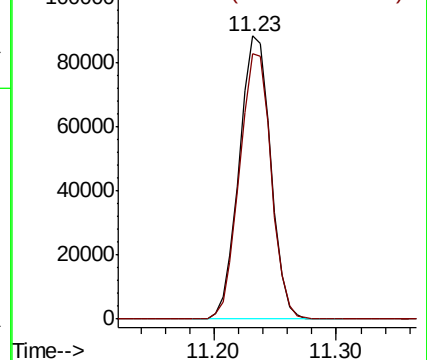
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9/16/2019 12:43:44 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 97.573 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

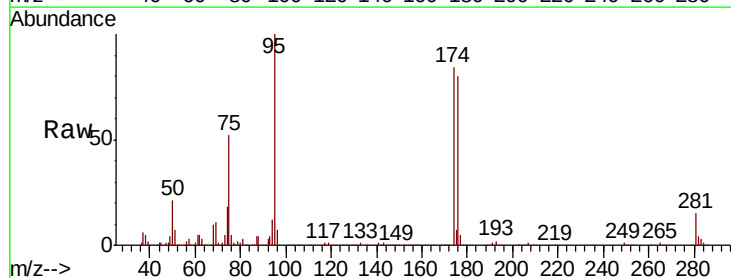
Tgt Ion: 95 Resp: 301891

Ion Ratio Lower Upper

95 100

174 84.8 0.0 170.4

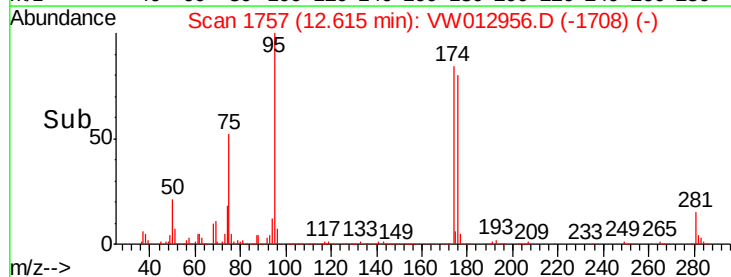
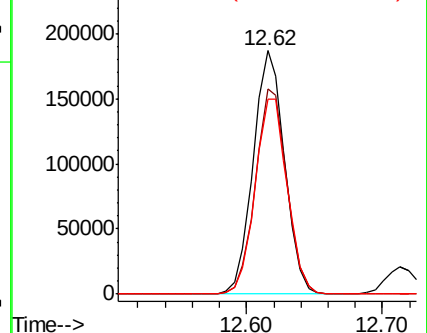
176 82.3 0.0 164.6

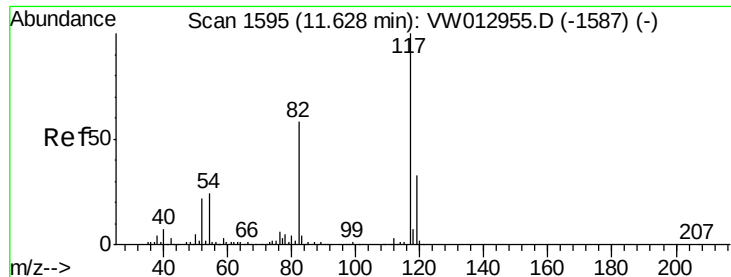


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





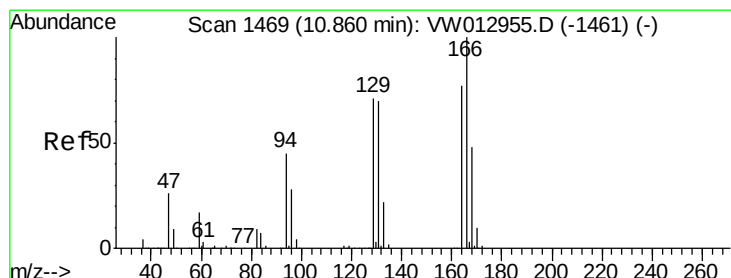
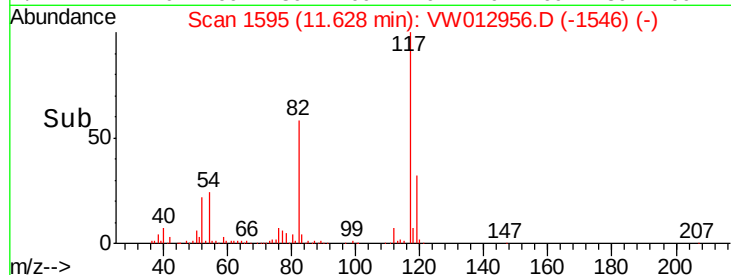
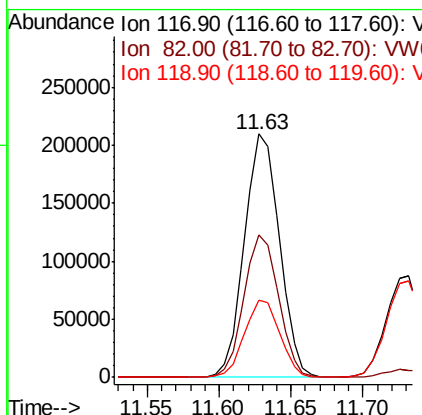
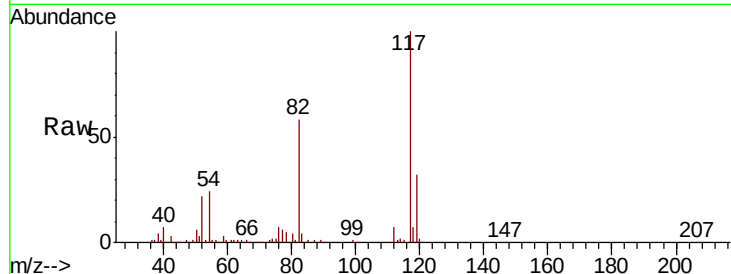
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	58.4	46.3	69.5
119	31.9	26.2	39.4

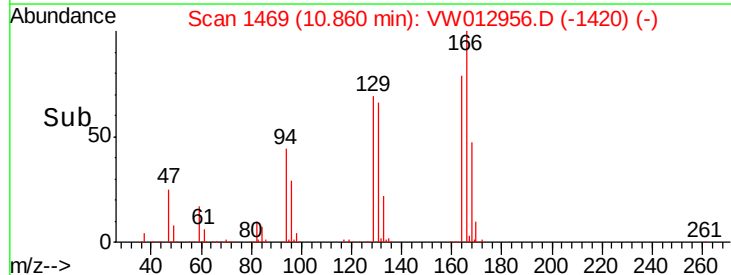
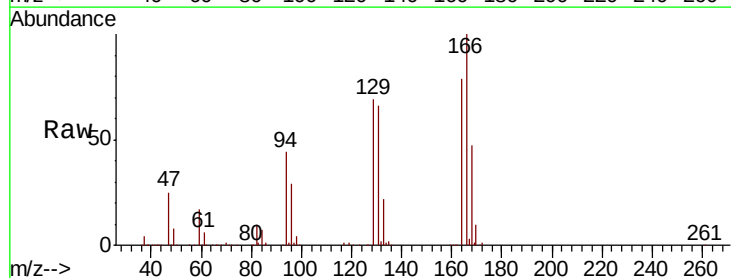
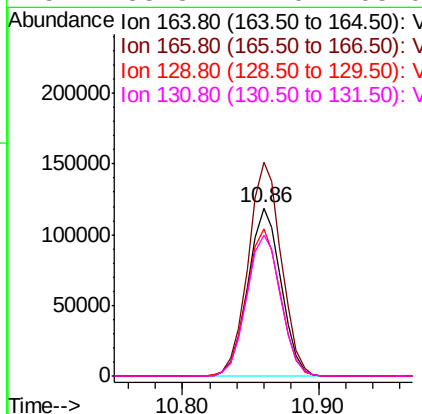
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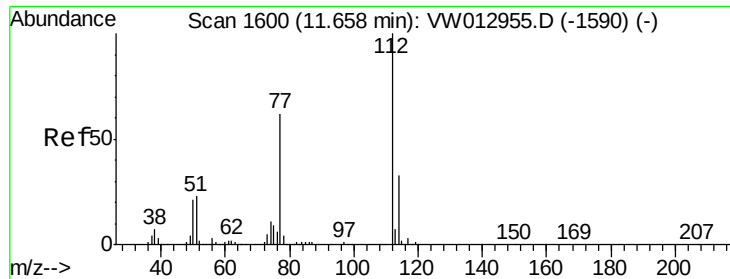
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#64
Tetrachloroethene
Concen: 96.067 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	127.0	103.3	154.9
129	87.4	73.8	110.8
131	83.8	72.0	108.0





#65

Chlorobenzene

Concen: 95.930 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion:112 Resp: 604297

Ion Ratio Lower Upper

112 100

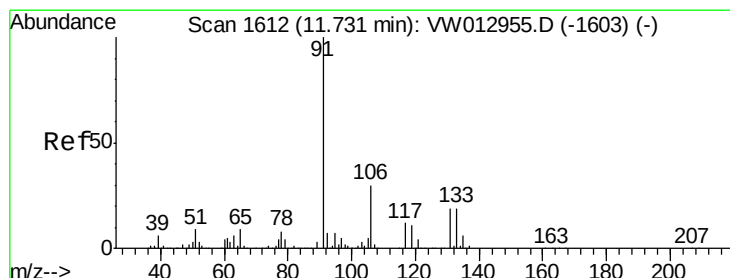
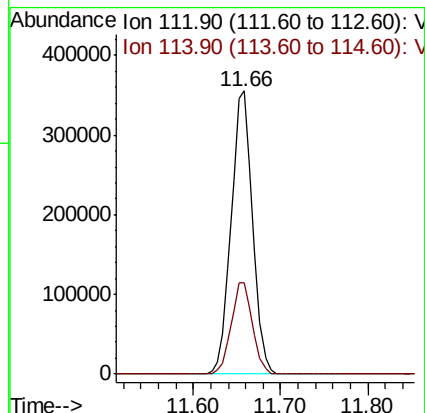
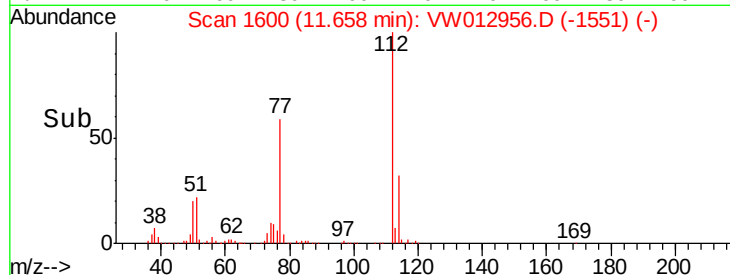
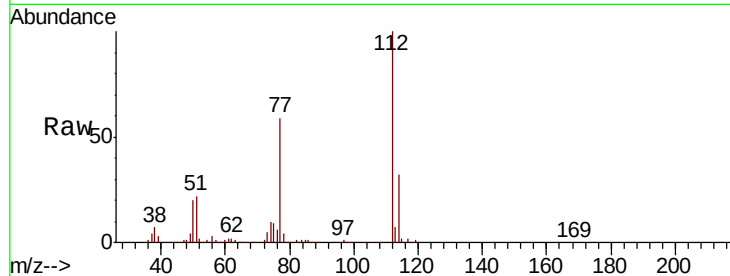
114 32.2 26.4 39.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 98.984 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

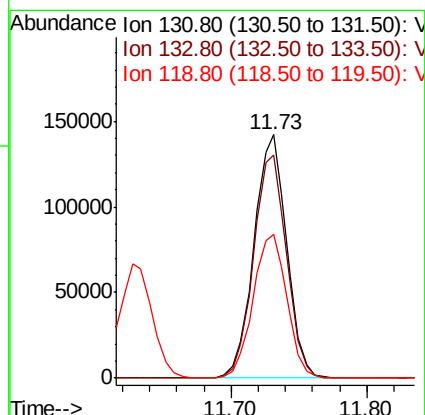
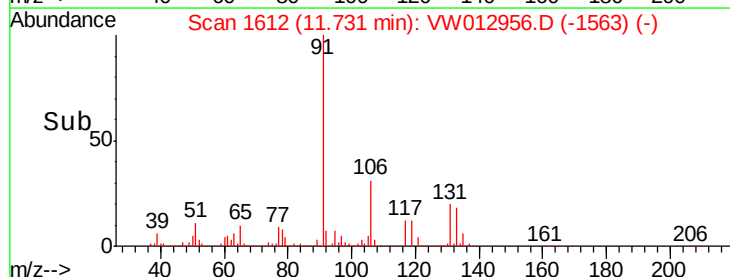
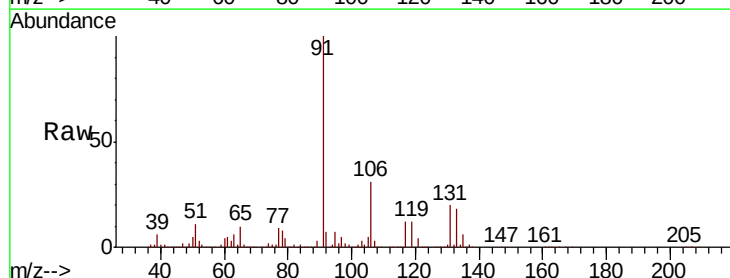
Tgt Ion:131 Resp: 238951

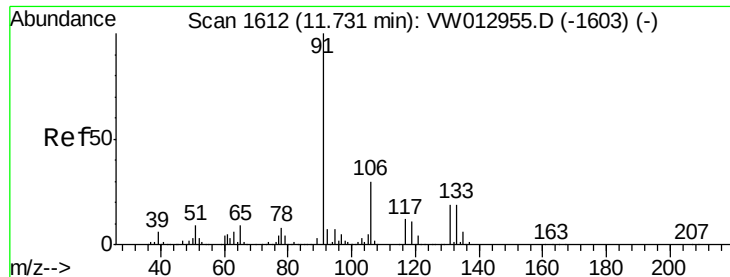
Ion Ratio Lower Upper

131 100

133 92.9 47.9 143.8

119 61.1 30.9 92.7





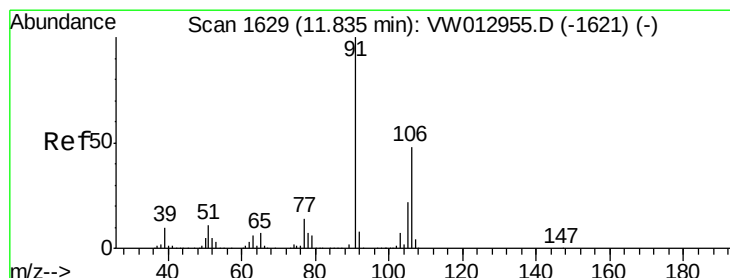
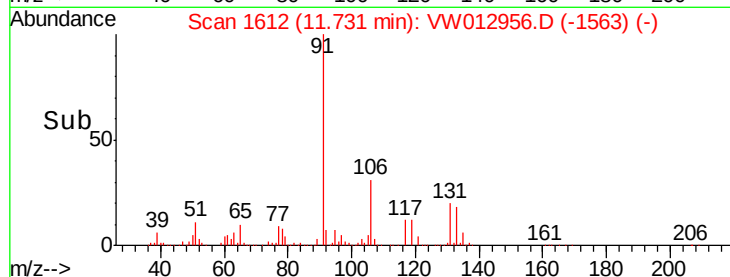
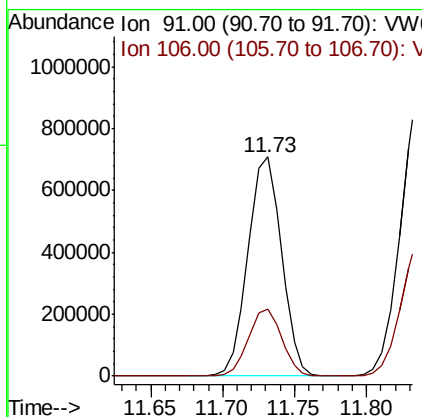
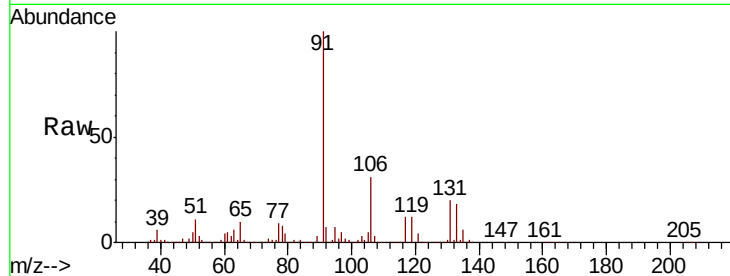
#67
Ethyl Benzene
Concen: 98.385 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

Tgt Ion: 91 Resp: 1144634
Ion Ratio Lower Upper
91 100
106 30.7 24.3 36.5

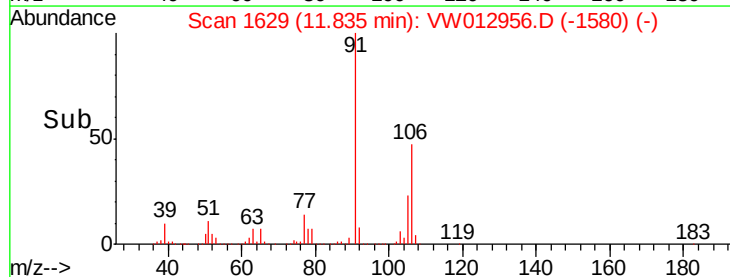
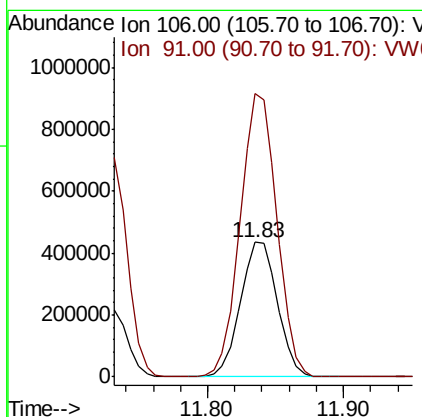
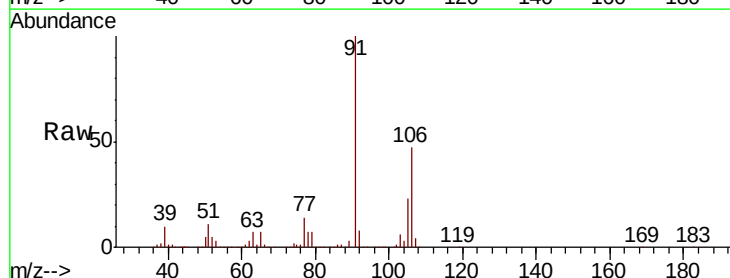
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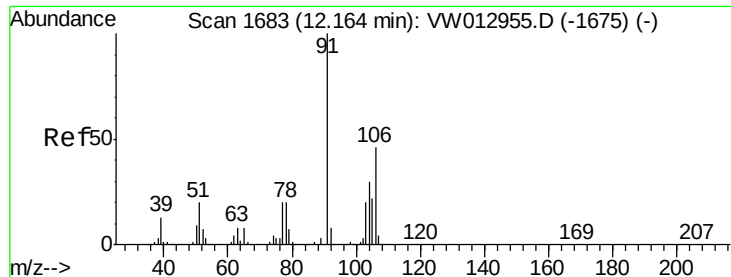
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#68
m/p-Xylenes
Concen: 194.891 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 106 Resp: 828310
Ion Ratio Lower Upper
106 100
91 208.3 165.8 248.8





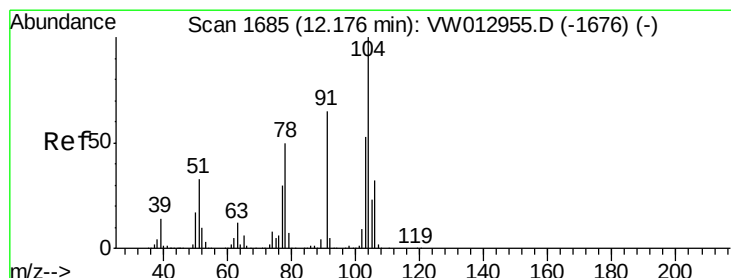
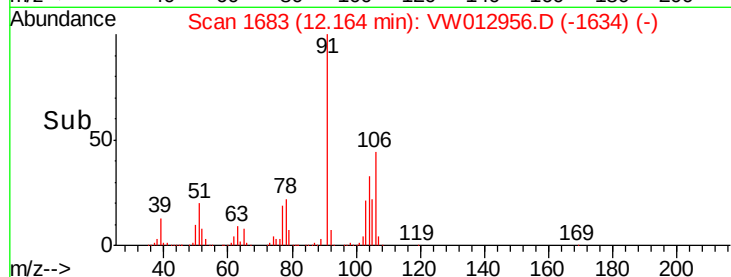
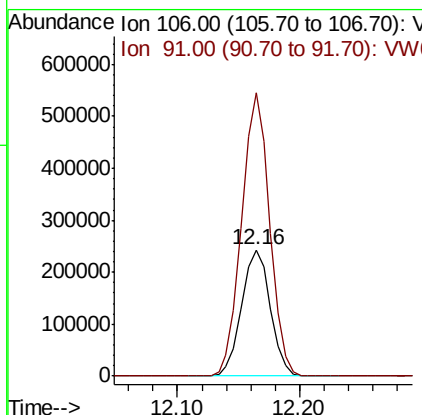
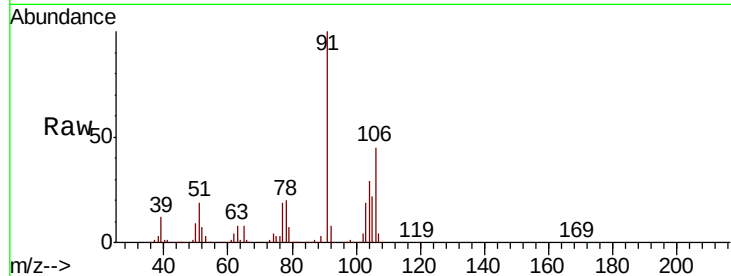
#69
o-Xylene
Concen: 99.079 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 394789
Ion Ratio Lower Upper
106 100
91 219.4 109.7 329.0

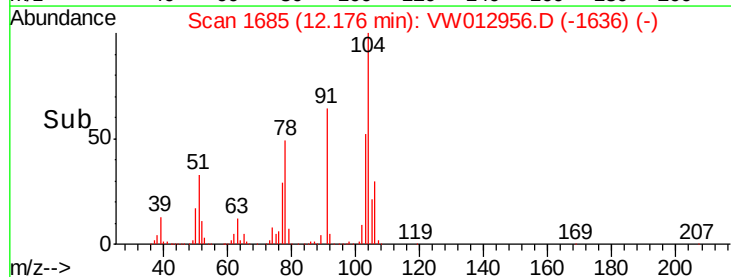
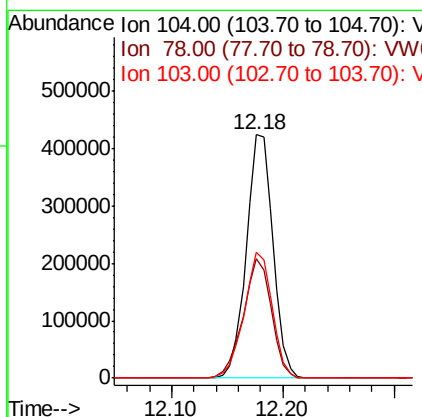
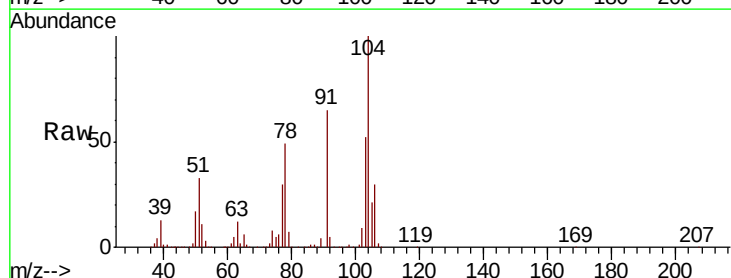
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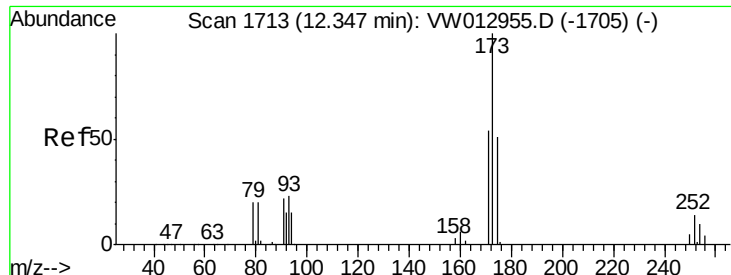
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#70
Styrene
Concen: 99.621 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion:104 Resp: 706127
Ion Ratio Lower Upper
104 100
78 51.9 42.1 63.1
103 54.3 44.2 66.4





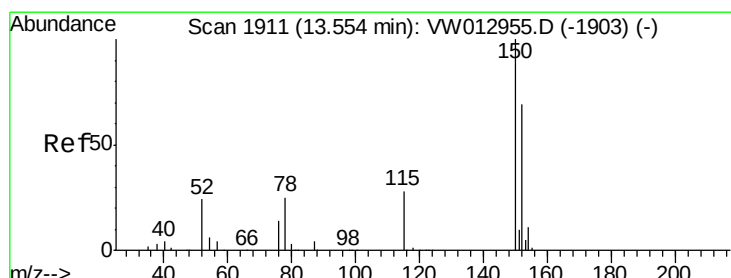
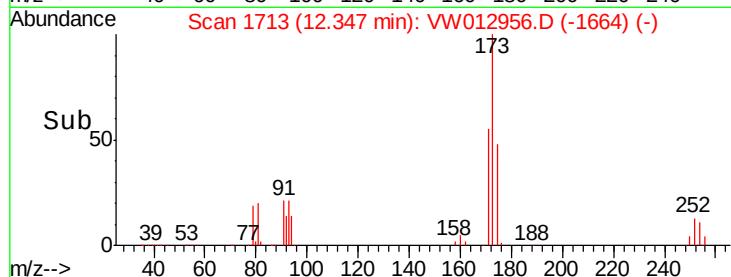
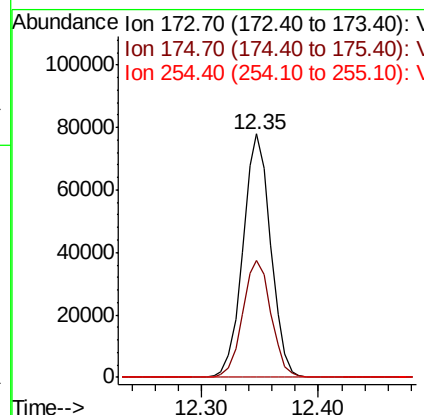
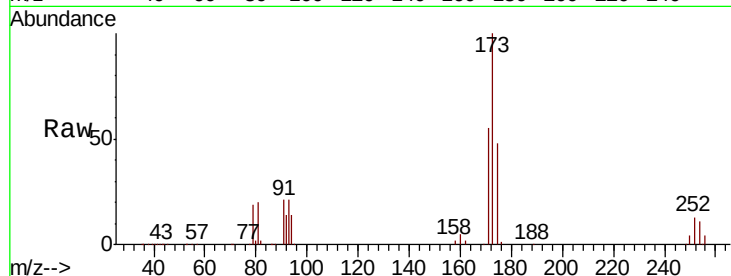
#71
Bromoform
Concen: 101.983 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.2	72.6
254	0.2	0.1	0.1#

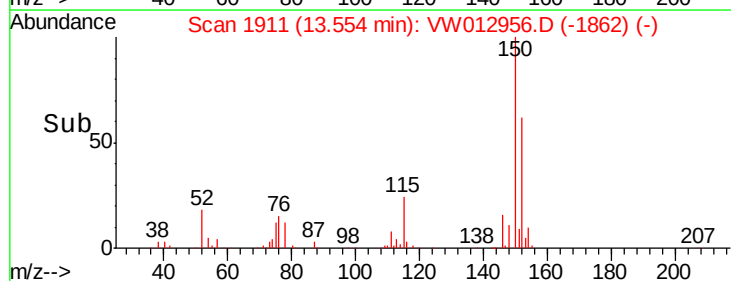
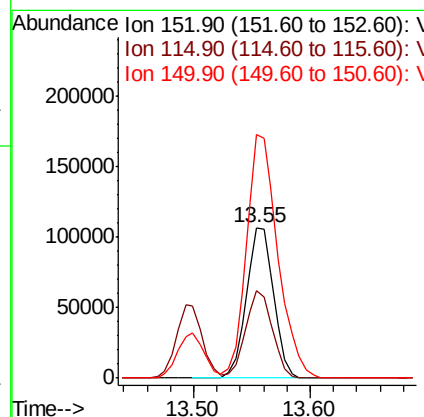
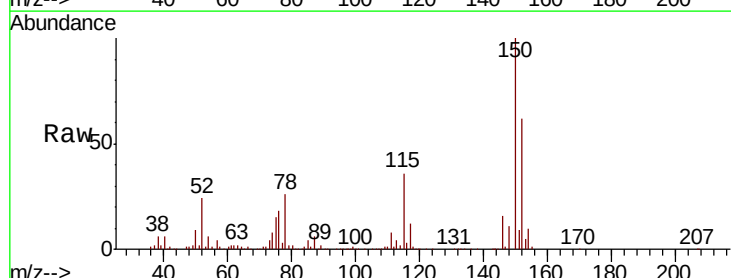
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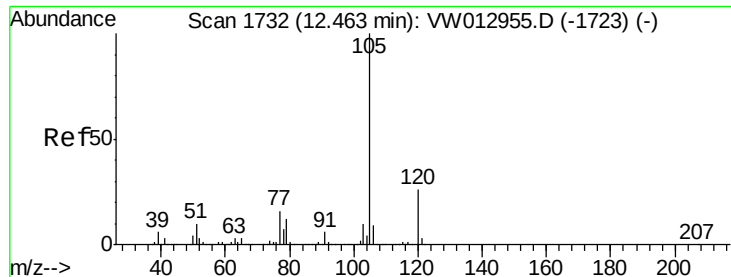
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.8	86.4
150	186.2	0.0	340.2





#73

Isopropylbenzene

Concen: 100.062 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 1151495

Ion Ratio Lower Upper

105 100

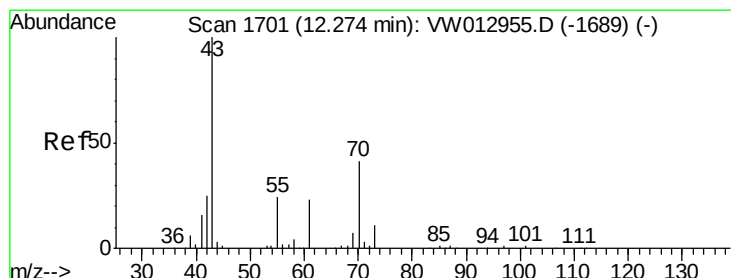
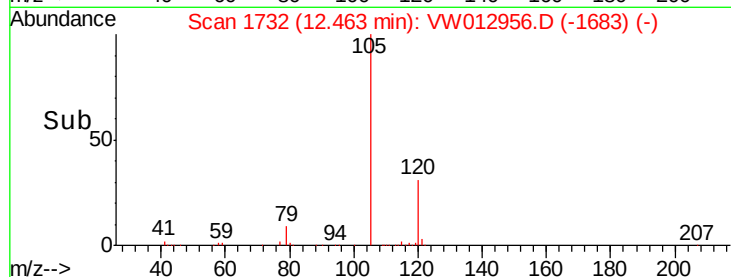
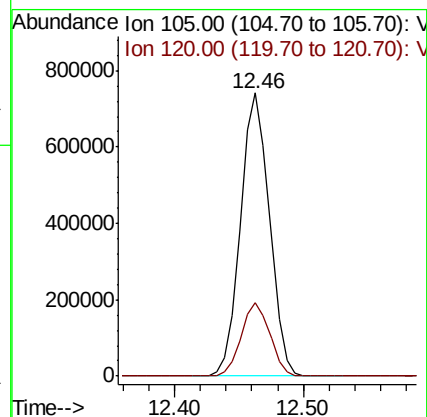
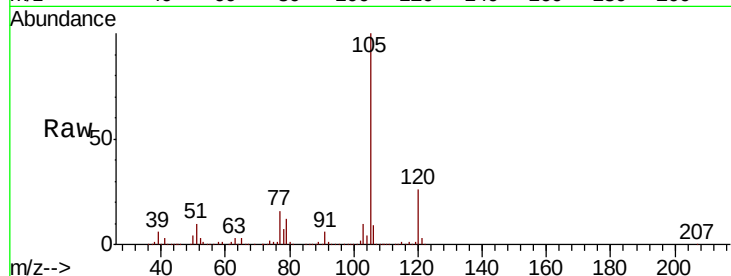
120 25.9 13.0 39.0

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#74

N-ethyl acetate

Concen: 103.324 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Tgt Ion: 43 Resp: 305868

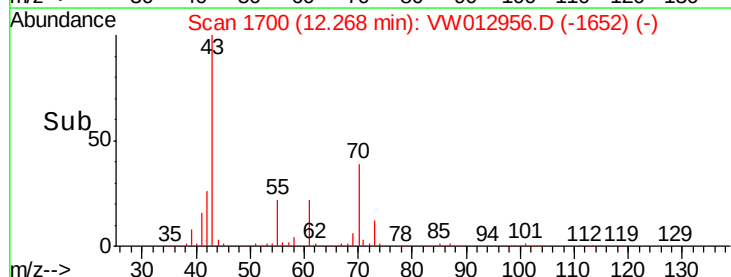
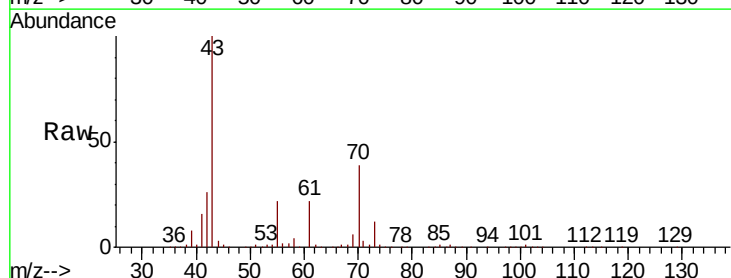
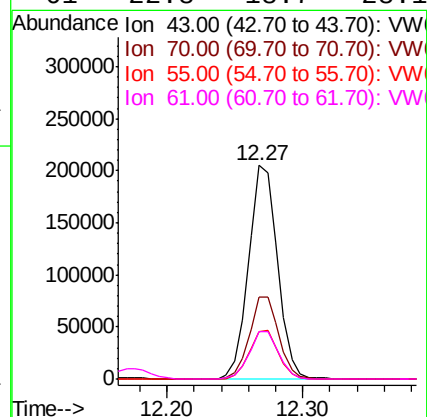
Ion Ratio Lower Upper

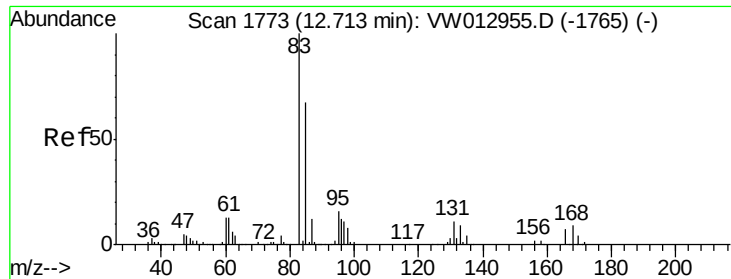
43 100

70 39.0 31.7 47.5

55 23.3 19.4 29.2

61 22.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 98.339 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

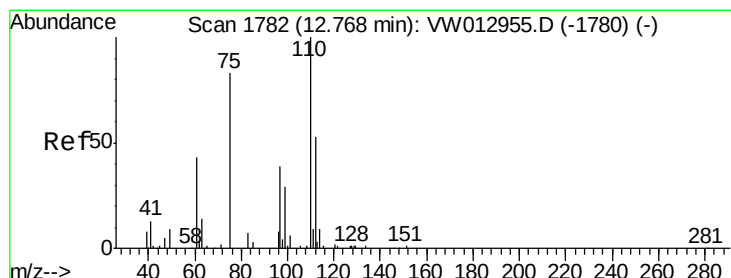
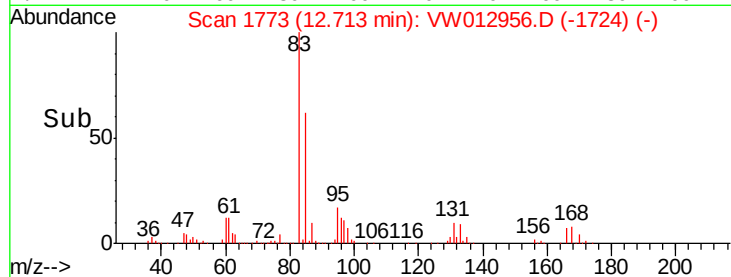
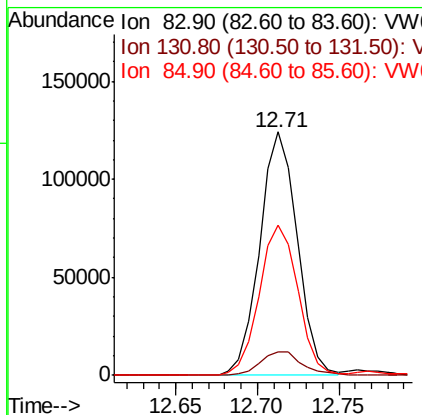
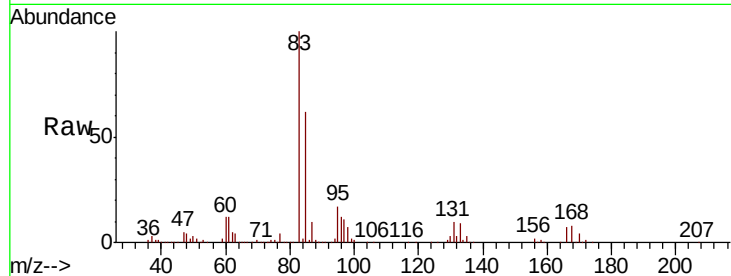
ClientSampleId :

VSTDIC100

Tgt Ion:	83	Resp:	198762
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.1
85	63.7	31.4	94.3

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#76

1,2,3-Trichloropropane

Concen: 111.979 ug/l m

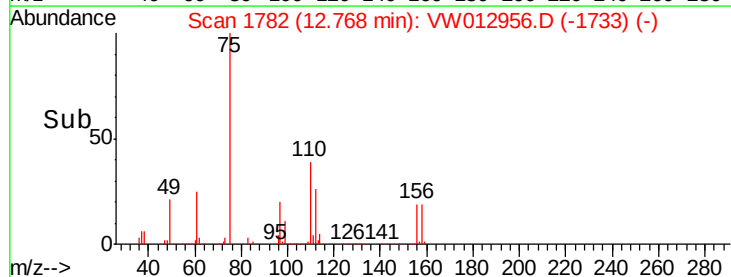
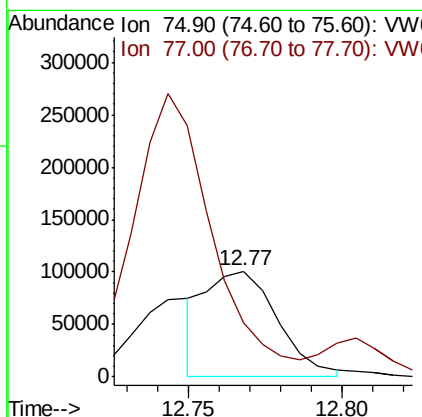
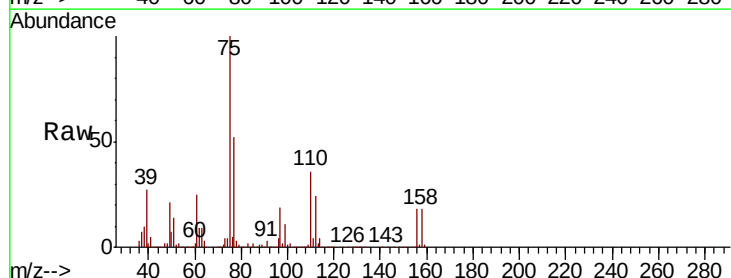
RT: 12.77 min Scan# 1782

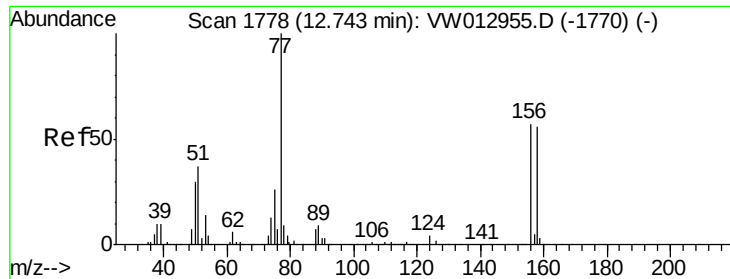
Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Tgt Ion:	75	Resp:	164038
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 99.634 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

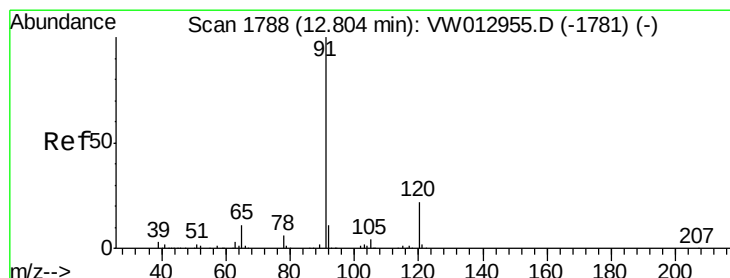
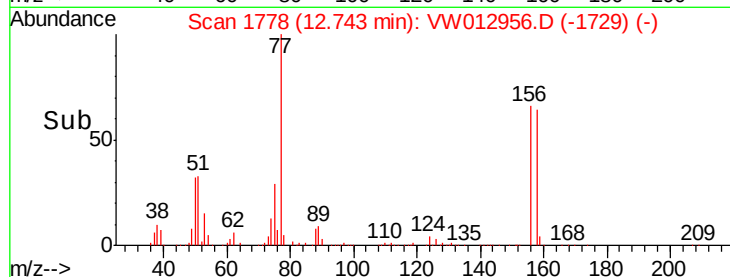
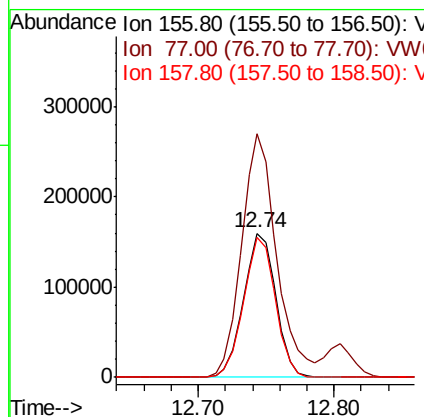
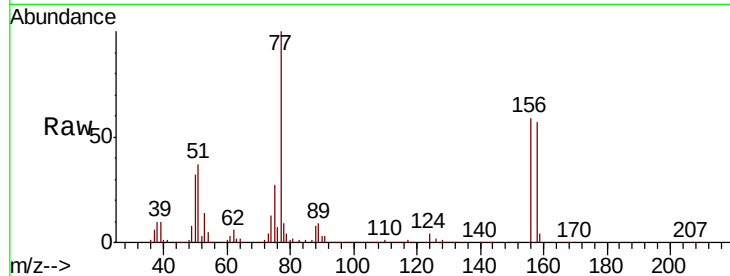
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	264140		
77	184.3	95.2	285.6	
158	95.6	49.0	147.2	

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9/16/2019 12:43:44 AM



#78

n-propylbenzene

Concen: 99.217 ug/l

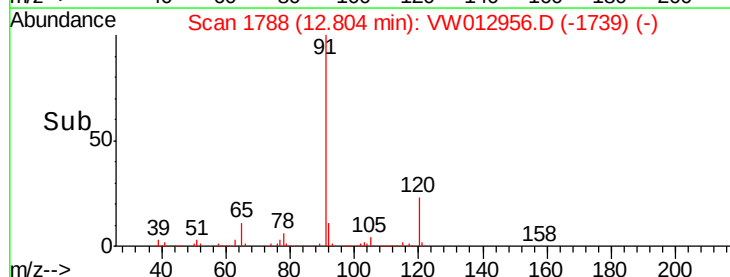
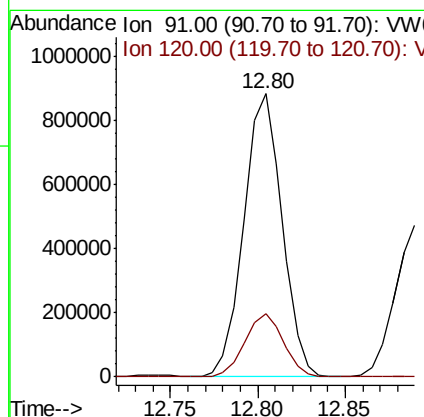
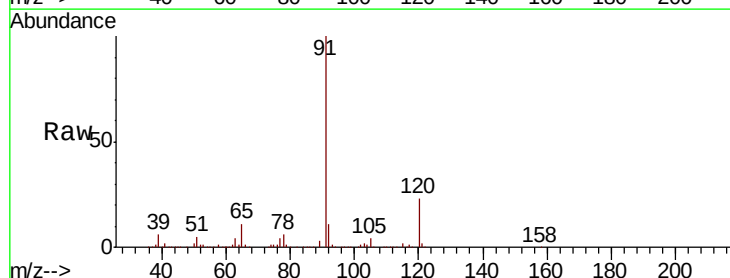
RT: 12.80 min Scan# 1788

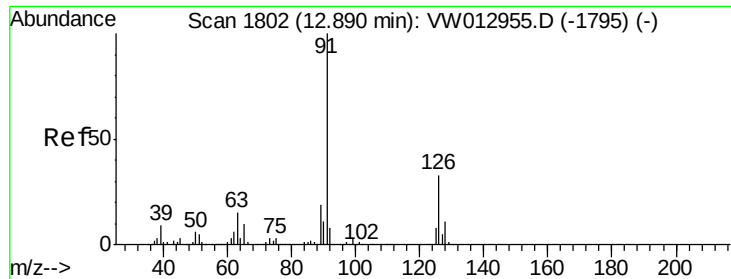
Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1343070		
120	22.6	11.2	33.5	





#79

2-Chlorotoluene

Concen: 98.559 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 766948

Ion Ratio Lower Upper

91 100

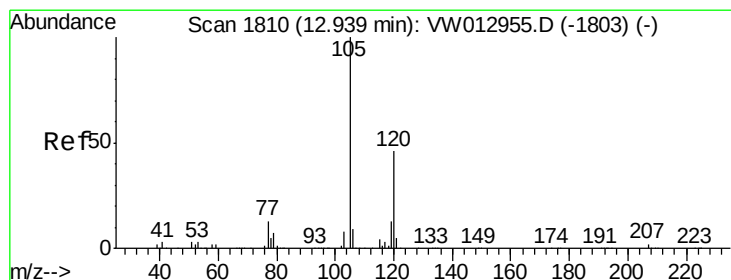
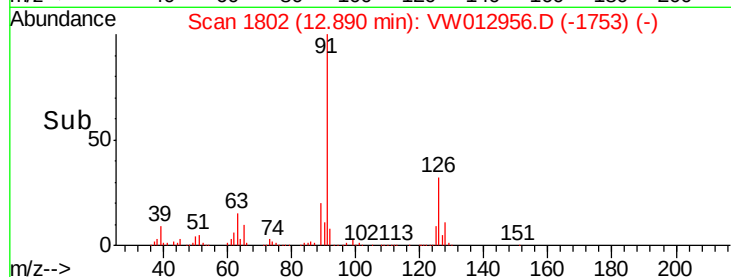
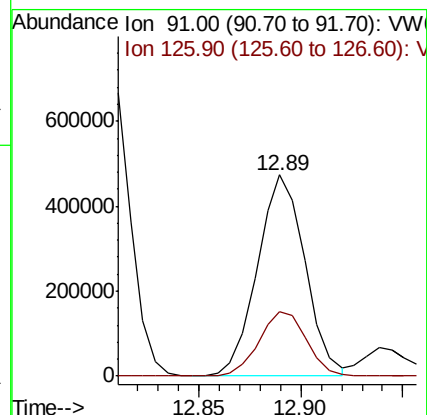
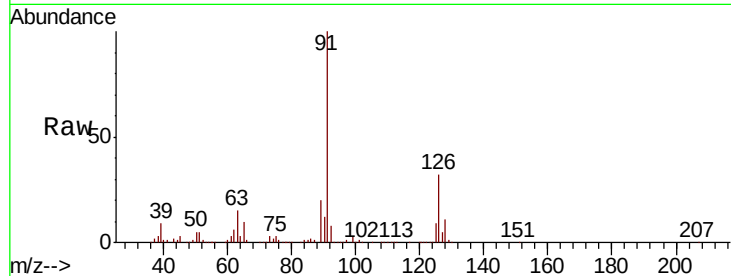
126 32.3 16.5 49.5

Manual Integrations

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9/16/2019 12:43:44 AM



#80

1,3,5-Trimethylbenzene

Concen: 97.988 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW012956.D

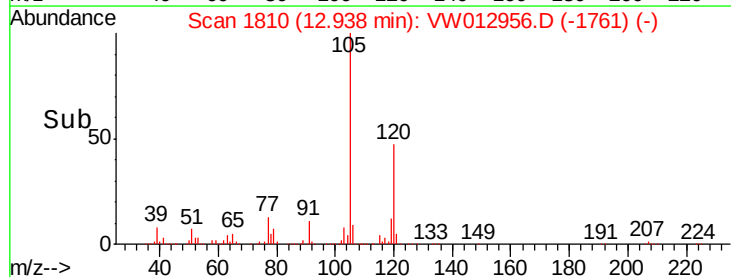
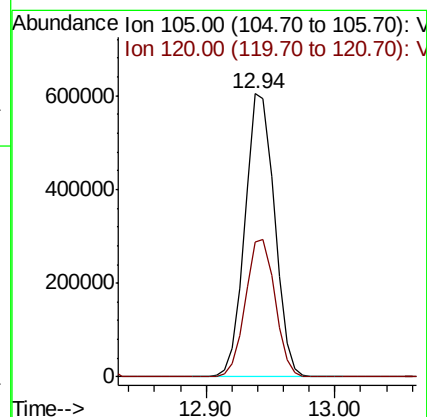
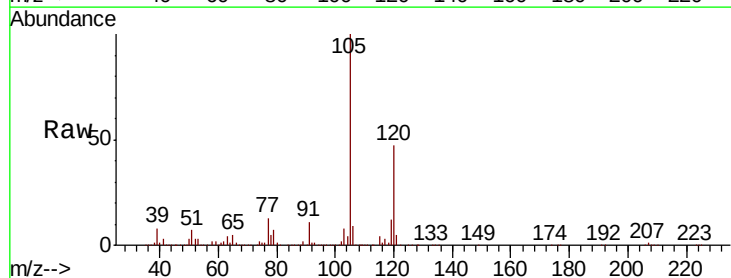
Acq: 13 Sep 2019 15:50

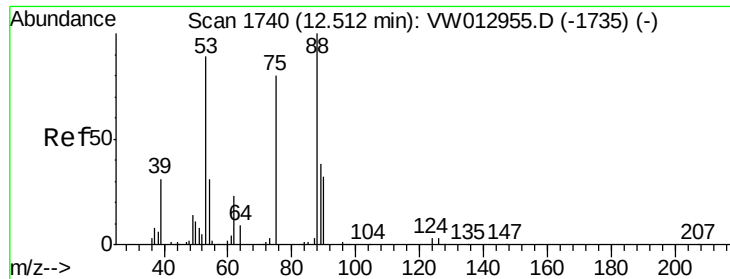
Tgt Ion: 105 Resp: 953967

Ion Ratio Lower Upper

105 100

120 48.5 24.2 72.6





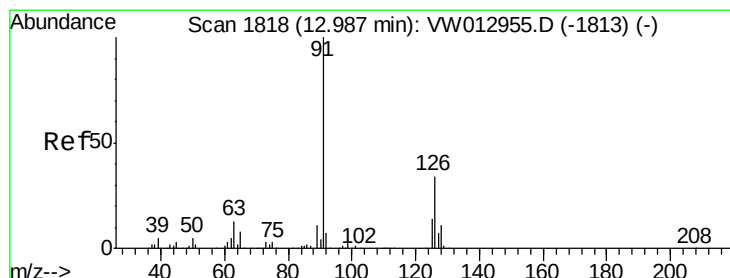
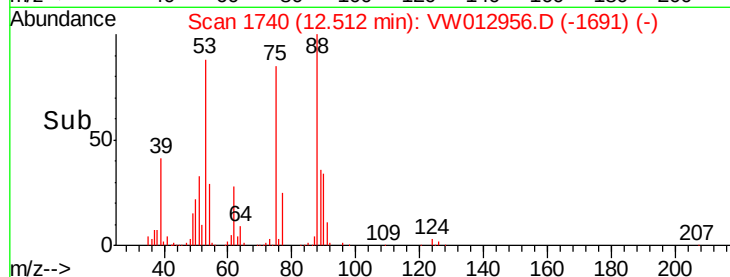
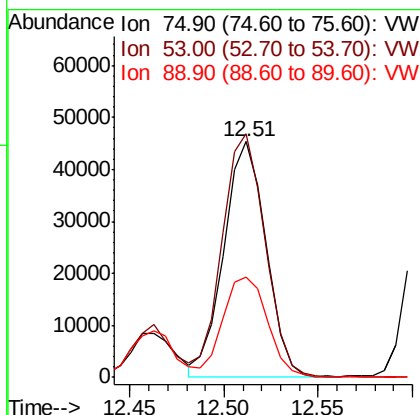
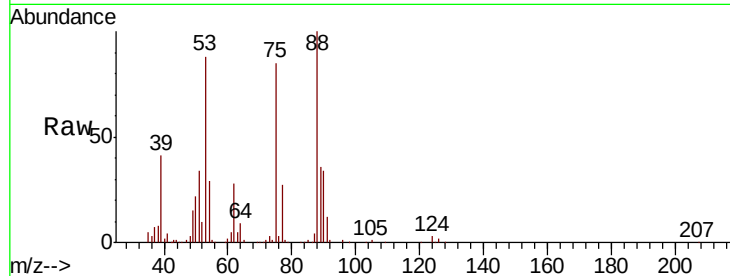
#81
trans-1,4-Dichloro-2-butene
Concen: 104.178 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	69839		
53	106.6		85.6	128.4
89	45.2		37.2	55.8

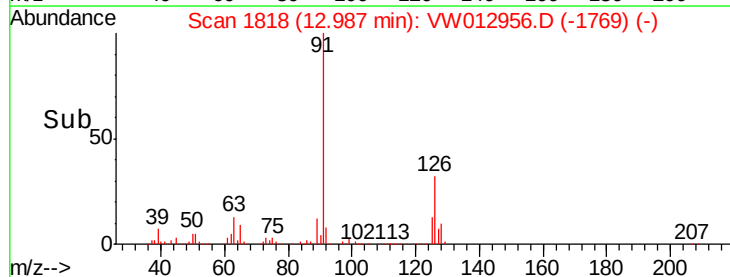
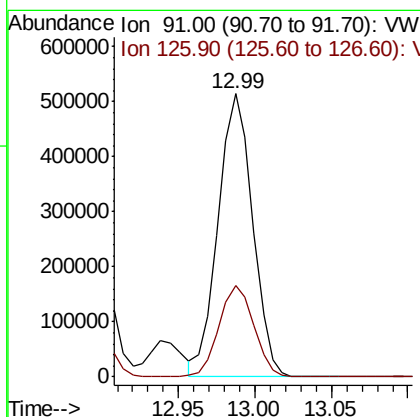
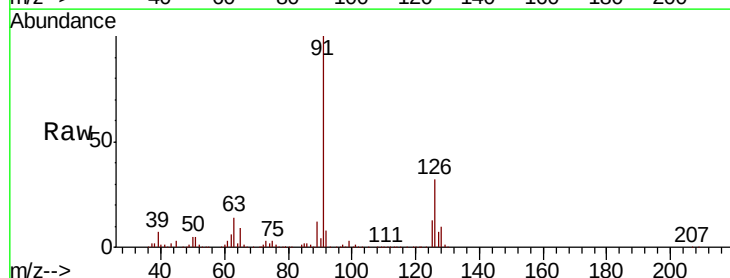
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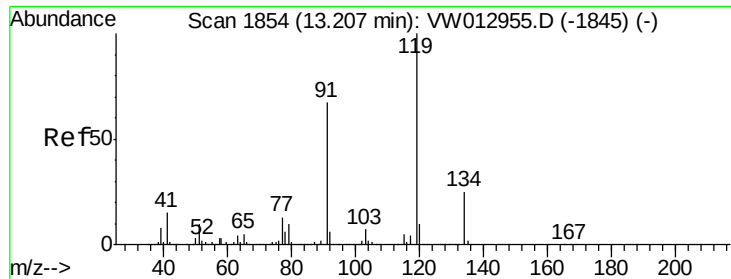
MMDadoda
9/16/2019 12:43:44 AM



#82
4-Chlorotoluene
Concen: 97.881 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	803651		
126	32.6		16.1	48.3





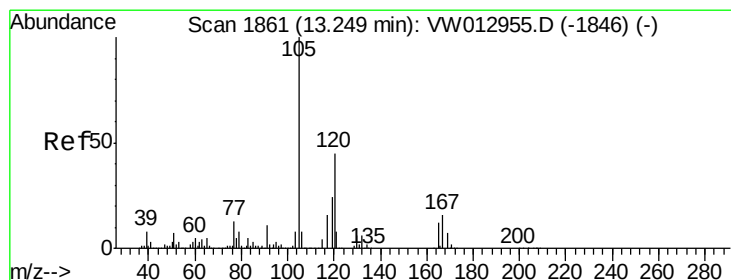
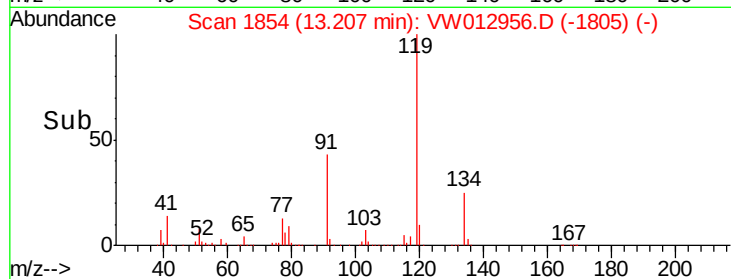
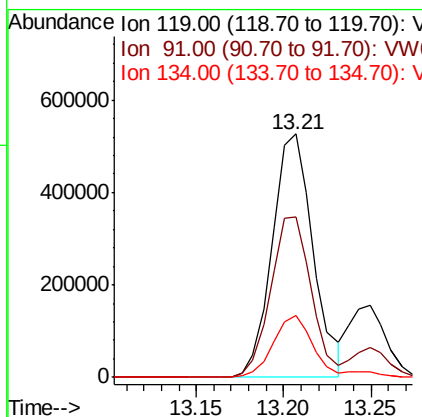
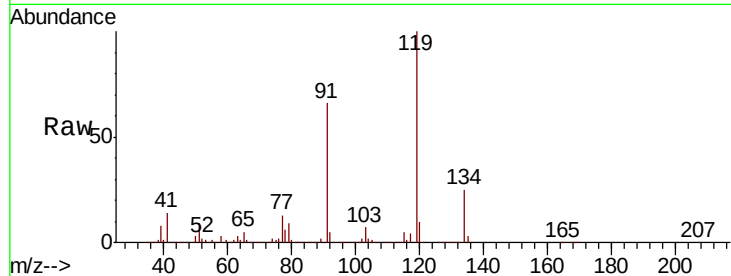
#83
 tert-Butylbenzene
 Concen: 98.727 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	859733		
91	65.4	32.6	98.0	
134	26.3	12.4	37.4	

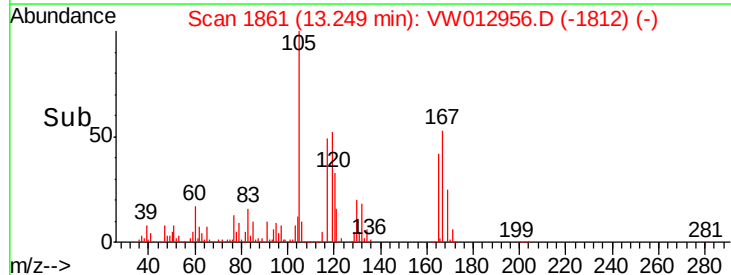
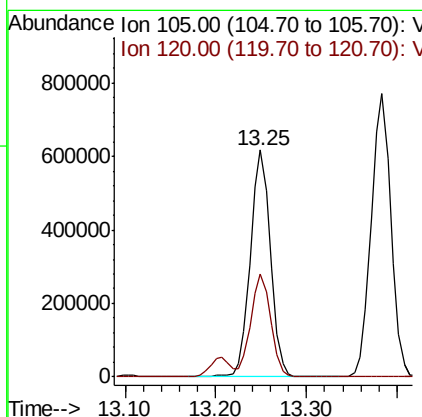
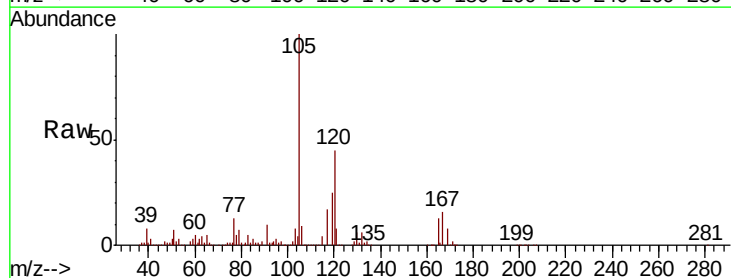
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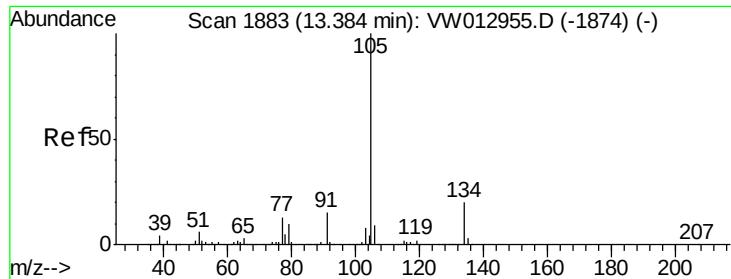
MMDadoda
 9/16/2019 12:43:44 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 98.261 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	945310		
120	44.4	21.9	65.7	





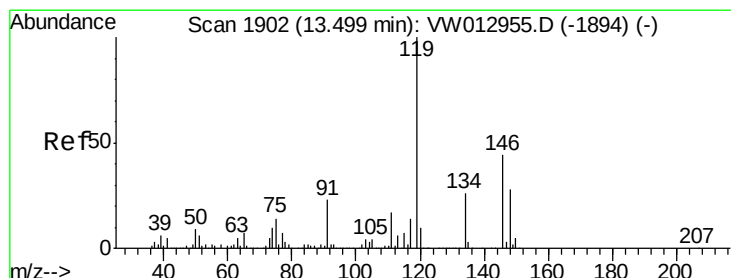
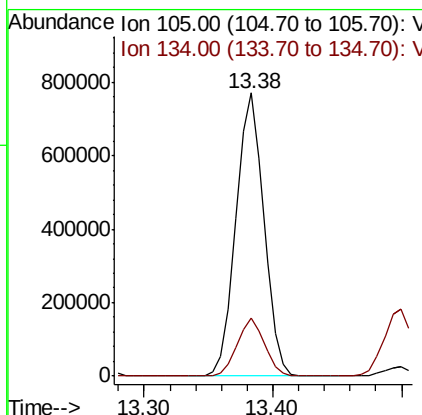
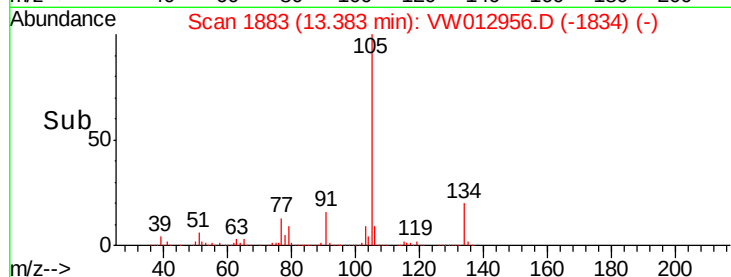
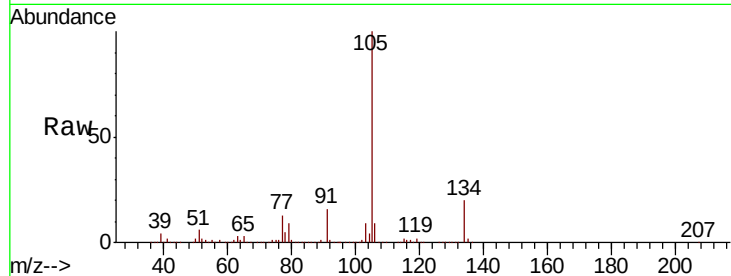
#85
 sec-Butylbenzene
 Concen: 97.865 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 1161110
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.4

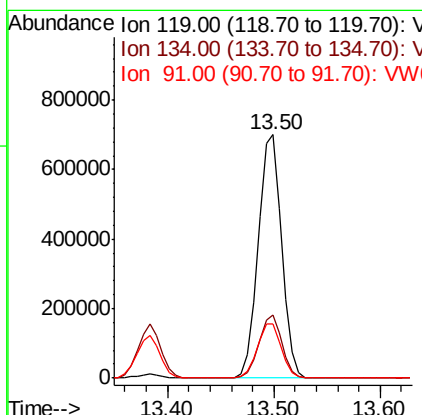
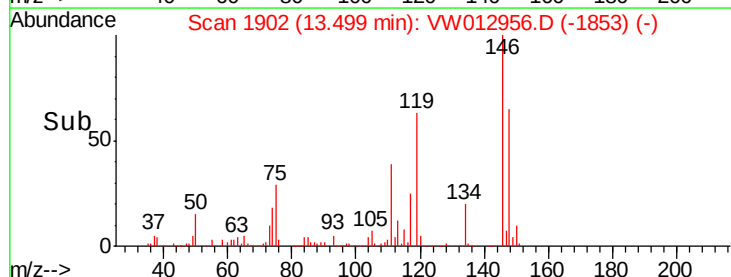
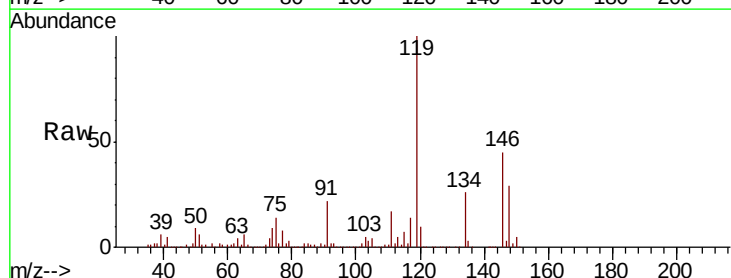
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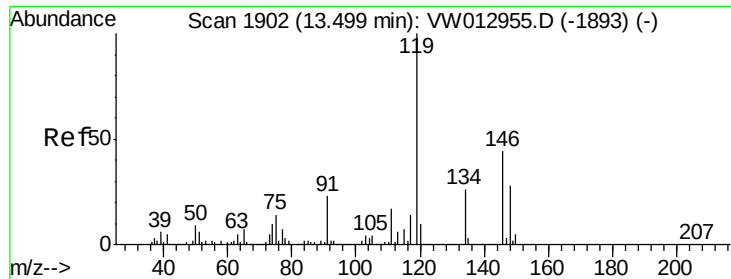
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#86
 p-Isopropyltoluene
 Concen: 99.058 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion:119 Resp: 1079020
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.8 38.3
 91 23.0 11.8 35.4





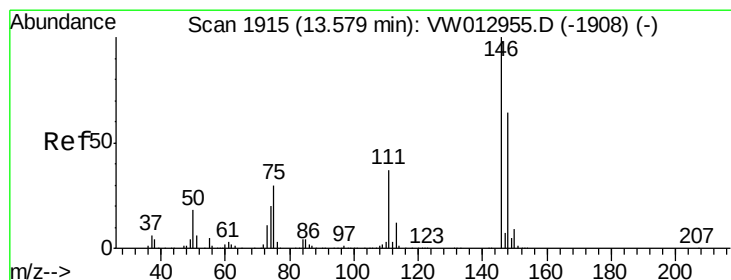
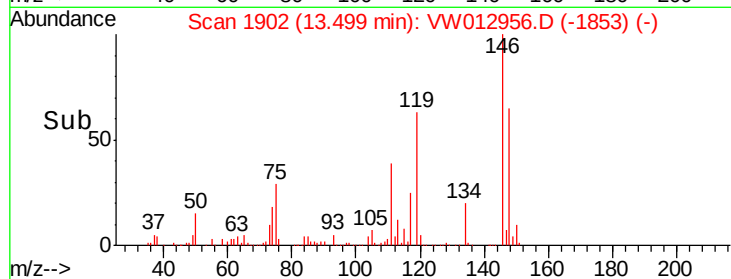
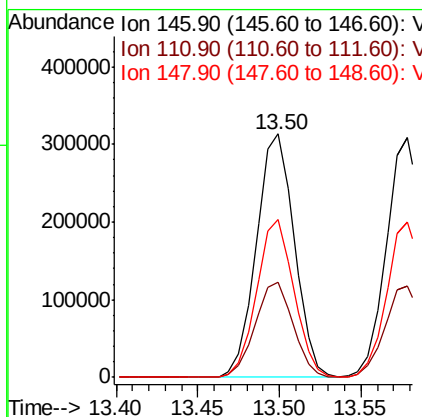
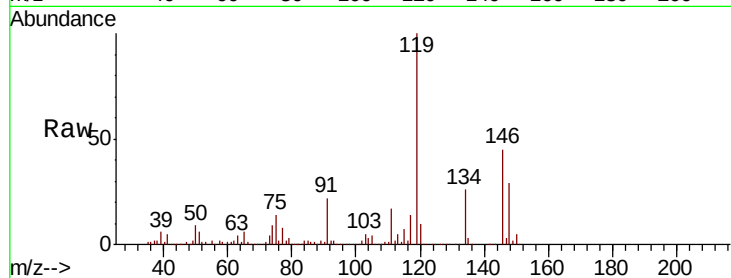
#87
 1,3-Dichlorobenzene
 Concen: 96.432 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	63.6	31.9	95.7

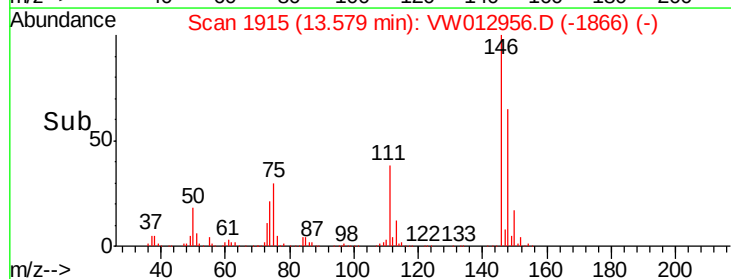
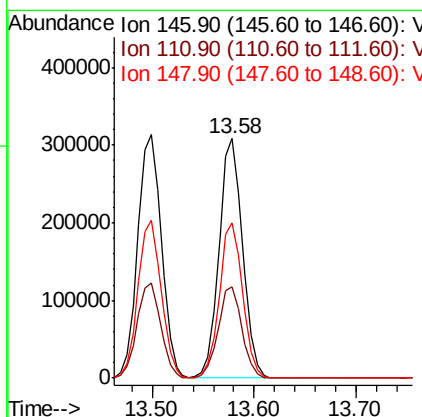
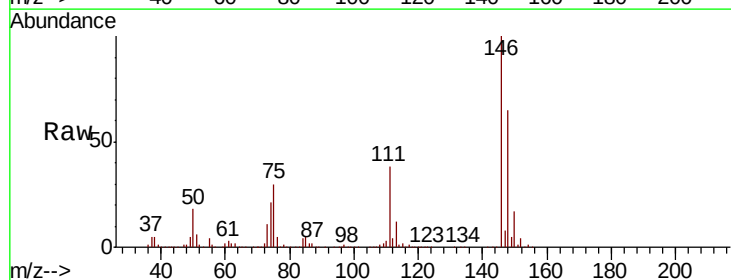
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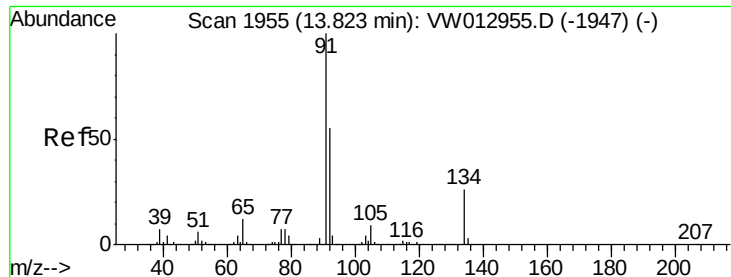
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#88
 1,4-Dichlorobenzene
 Concen: 95.986 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.2
148	64.2	31.9	95.5





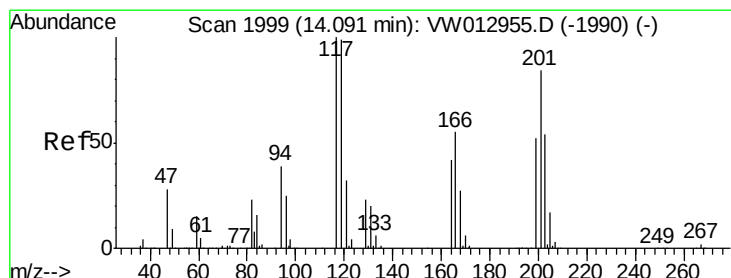
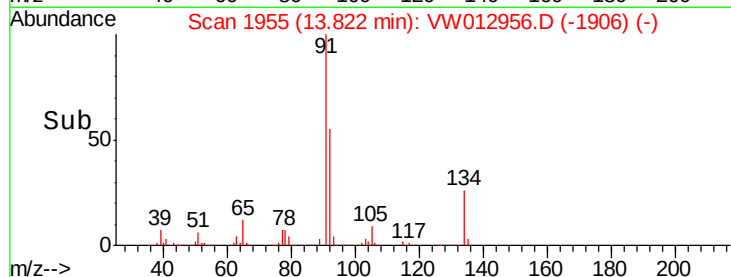
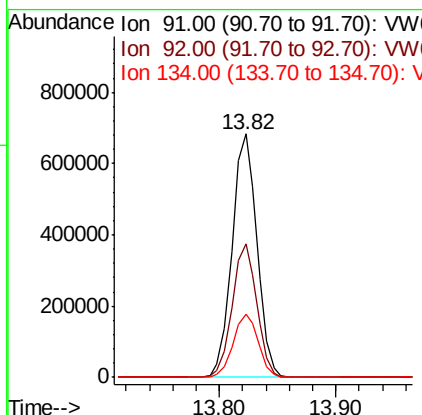
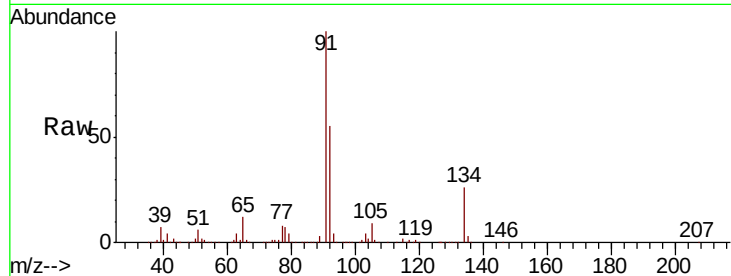
#89
n-Butylbenzene
Concen: 98.869 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 1015668
Ion Ratio Lower Upper
91 100
92 54.3 27.2 81.5
134 26.2 13.1 39.1

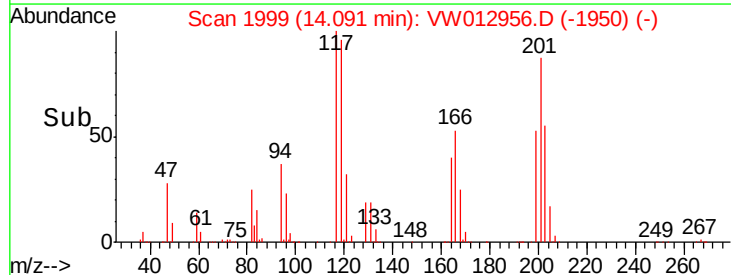
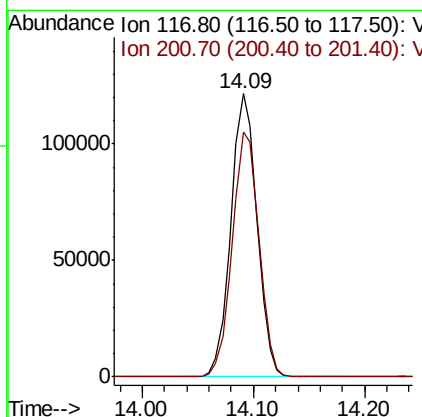
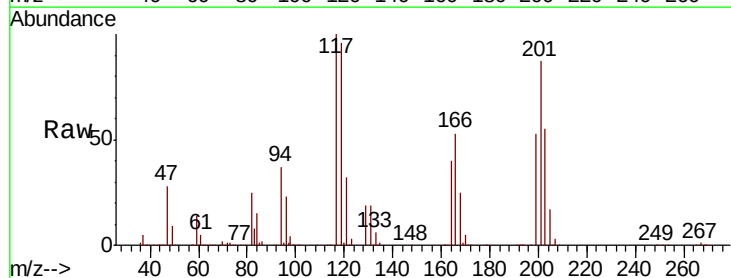
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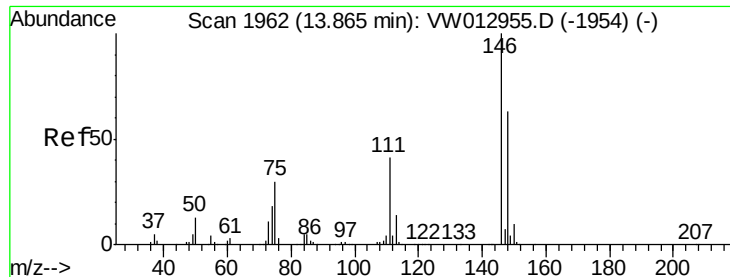
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#90
Hexachloroethane
Concen: 100.779 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion: 117 Resp: 196726
Ion Ratio Lower Upper
117 100
201 88.8 45.3 135.9





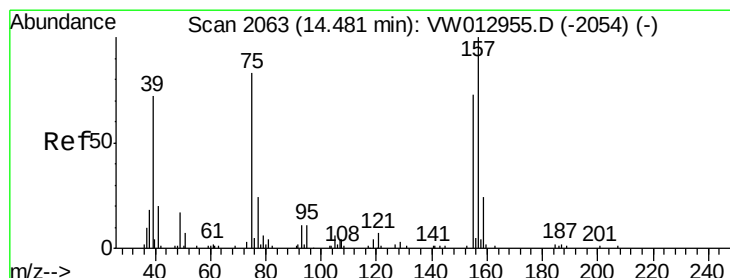
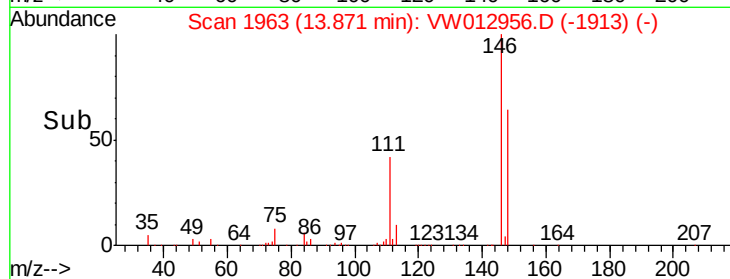
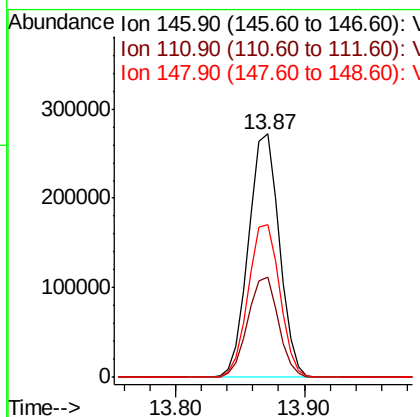
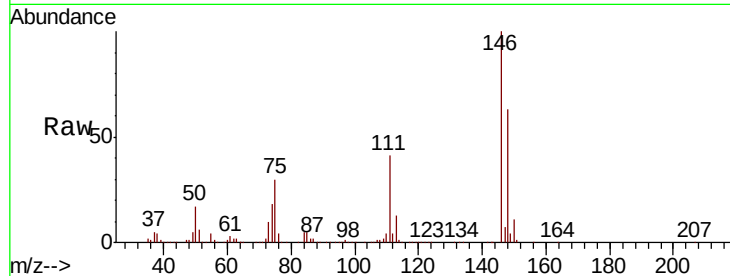
#91
 1,2-Dichlorobenzene
 Concen: 97.175 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	448485		
111	40.8	20.8	62.5	
148	64.0	32.7	98.1	

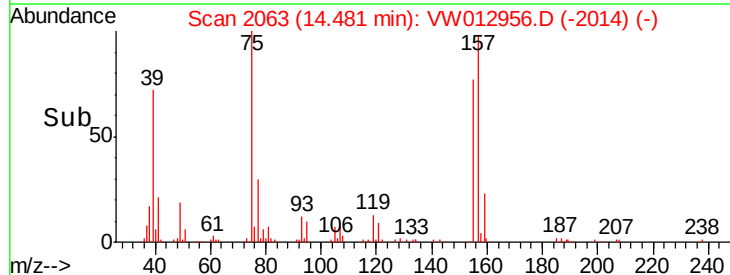
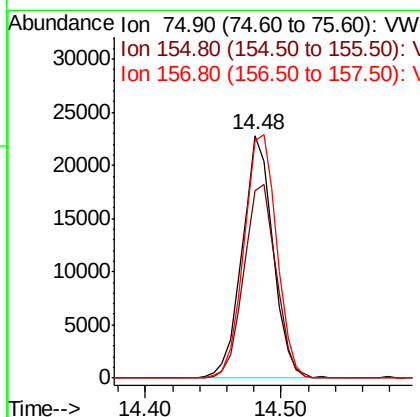
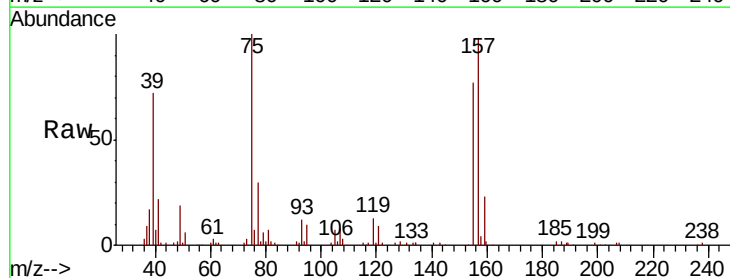
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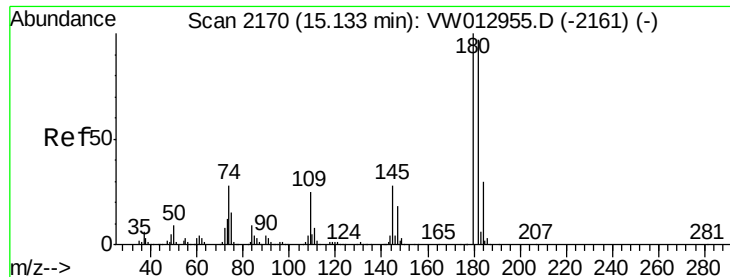
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 97.176 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012956.D
 Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35952		
155	84.2	43.3	129.9	
157	106.7	54.7	164.1	





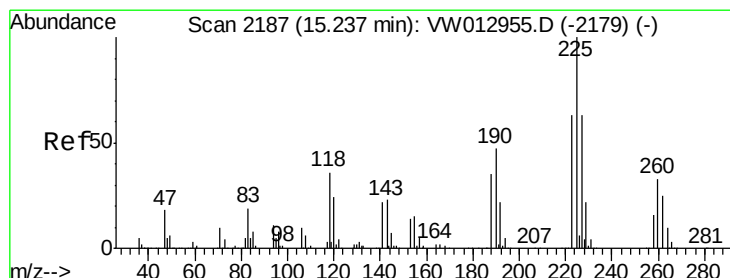
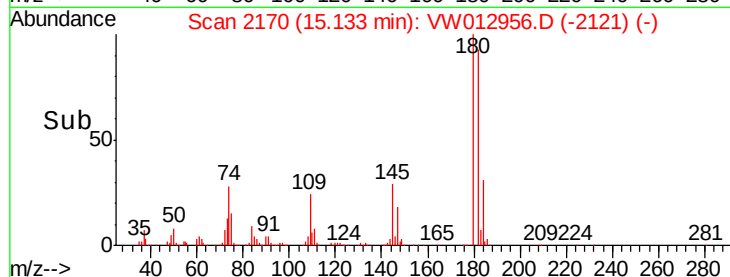
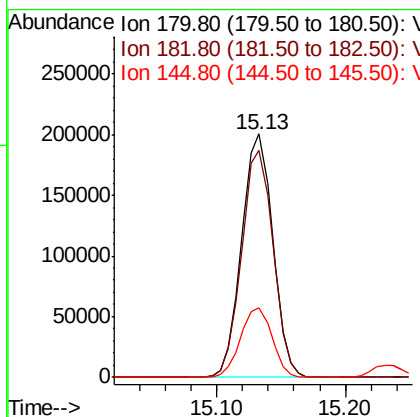
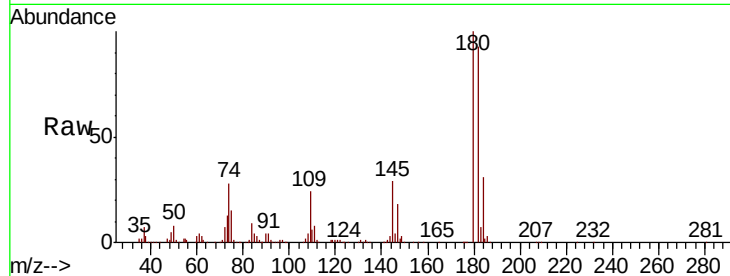
#93
1,2,4-Trichlorobenzene
Concen: 101.859 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	335261		
182	94.3	47.4	142.2	
145	29.1	14.9	44.7	

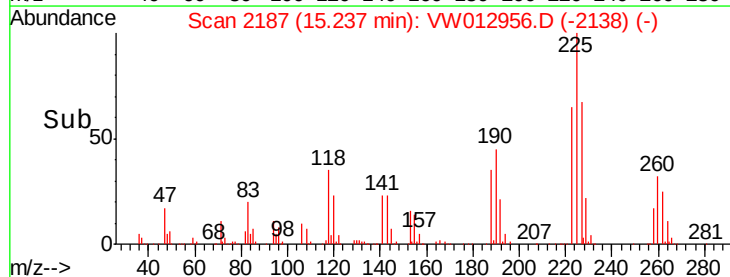
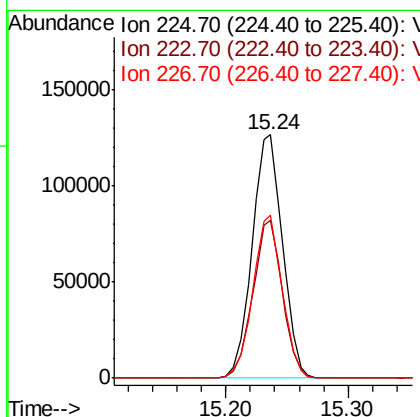
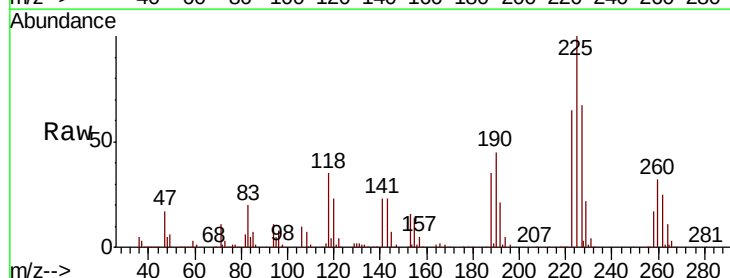
Manual Integrations
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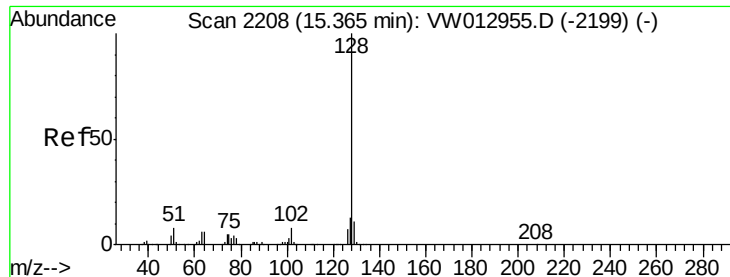
MMDadoda
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#94
Hexachlorobutadiene
Concen: 93.942 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW012956.D
Acq: 13 Sep 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	218890		
223	63.1	31.8	95.3	
227	64.7	31.3	93.8	





#95

Naphthalene

Concen: 109.045 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Instrument :

MSVOA_W

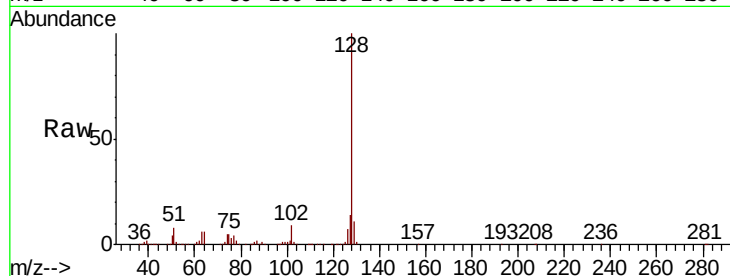
ClientSampleId :

VSTDIC100

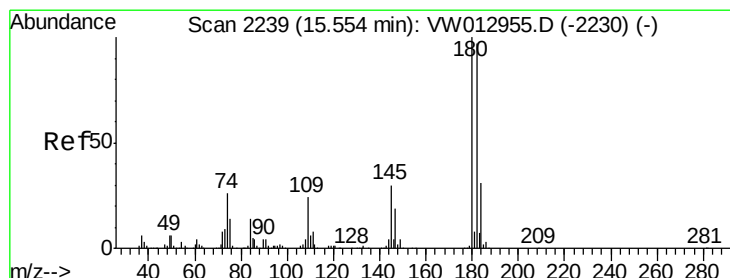
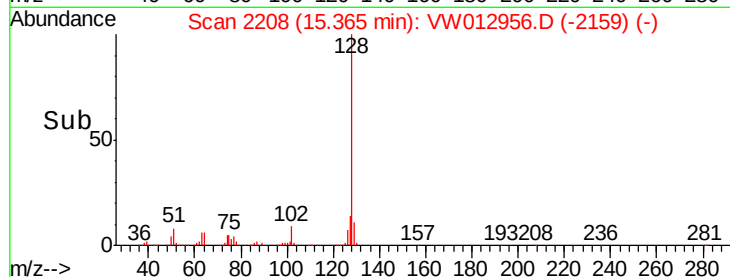
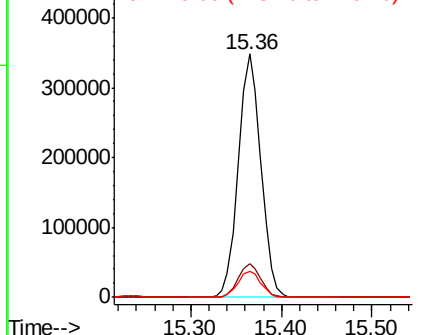
Tgt Ion:	128	Resp:	599696
Ion Ratio	Lower	Upper	
128	100		
127	14.0	11.0	16.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:43:44 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 100.129 ug/l

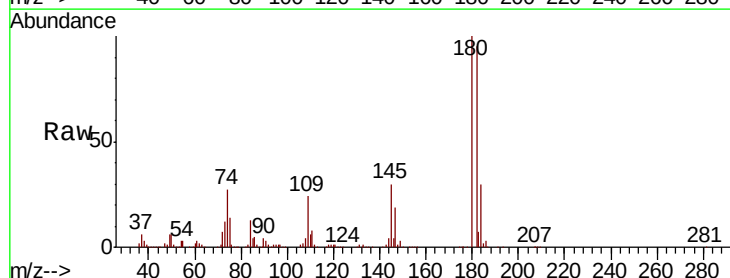
RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW012956.D

Acq: 13 Sep 2019 15:50

Tgt Ion:	180	Resp:	291328
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.6	142.8
145	30.8	15.4	46.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

