

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030920\
 Data File : VW015096.D
 Acq On : 09 Mar 2020 12:21
 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
 3/11/2020 3:24:00 PM

Quant Time: Mar 09 18:46:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:33:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	464783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	838974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	756385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	350762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	670207	98.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.14%	
35) Dibromofluoromethane	7.88	113	494451	98.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.88%	
50) Toluene-d8	10.32	98	2174371	103.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.74%	
62) 4-Bromofluorobenzene	12.62	95	753040	107.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	215.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	275400	97.719	ug/l	100
3) Chloromethane	2.21	50	528694	87.418	ug/l	98
4) Vinyl Chloride	2.36	62	707348	89.337	ug/l	99
5) Bromomethane	2.77	94	407134	89.957	ug/l	97
6) Chloroethane	2.92	64	423292	92.300	ug/l	98
7) Trichlorofluoromethane	3.25	101	374034	94.401	ug/l	99
8) Diethyl Ether	3.68	74	305492	101.186	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	546903	90.546	ug/l	99
10) Methyl Iodide	4.27	142	635965	94.644	ug/l	99
11) Tert butyl alcohol	5.16	59	187794	478.140	ug/l	99
12) 1,1-Dichloroethene	4.04	96	568500	96.268	ug/l	94
13) Acrolein	3.89	56	286304	498.429	ug/l	97
14) Allyl chloride	4.66	41	1190494	100.596	ug/l	100
15) Acrylonitrile	5.36	53	816213	527.419	ug/l	99
16) Acetone	4.12	43	774478	496.914	ug/l	99
17) Carbon Disulfide	4.38	76	1964979	93.850	ug/l	99
18) Methyl Acetate	4.67	43	380182	102.902	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	789006	104.370	ug/l	98
20) Methylene Chloride	4.91	84	609457	84.467	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	609327	97.183	ug/l	98
22) Diisopropyl ether	6.31	45	2297776	101.190	ug/l	98
23) Vinyl Acetate	6.25	43	7410831	552.854	ug/l	99
24) 1,1-Dichloroethane	6.21	63	1252510	94.587	ug/l	99
25) 2-Butanone	7.17	43	1147619	537.115	ug/l	98
26) 2,2-Dichloropropane	7.16	77	680990	89.918	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	640610	98.140	ug/l	100
28) Bromochloromethane	7.51	49	606815	95.637	ug/l	100
29) Tetrahydrofuran	7.52	42	750450	561.521	ug/l	99
30) Chloroform	7.67	83	1099234	93.542	ug/l	97
31) Cyclohexane	7.95	56	1269122	93.187	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	864528	94.222	ug/l	99
36) 1,1-Dichloropropene	8.08	75	960704	98.742	ug/l	100
37) Ethyl Acetate	7.24	43	521769	107.600	ug/l	99
38) Carbon Tetrachloride	8.07	117	765894	96.700	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	1167687	104.963	ug/l	97
40) Benzene	8.32	78	2611842	96.598	ug/l	100
41) Methacrylonitrile	7.48	41	290777	113.384	ug/l	98
42) 1,2-Dichloroethane	8.40	62	803390	97.528	ug/l	100
43) Isopropyl Acetate	8.42	43	962523	110.720	ug/l	99
44) Trichloroethene	9.09	130	560196	97.333	ug/l	100
45) 1,2-Dichloropropane	9.37	63	711571	97.722	ug/l	100
46) Dibromomethane	9.46	93	312592	98.728	ug/l	99
47) Bromodichloromethane	9.64	83	840088	99.382	ug/l	99
48) Methyl methacrylate	9.43	41	461797	115.100	ug/l	98
49) 1,4-Dioxane	9.44	88	99161	2045.591	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	2560666	533.282	ug/l	99
52) Toluene	10.38	92	1564728	100.738	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	886307	106.577	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	1050271	103.674	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	438464	101.065	ug/l	98
56) Ethyl methacrylate	10.64	69	664833	118.763	ug/l	97
57) 1,3-Dichloropropane	10.93	76	848664	102.748	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1848923	562.910	ug/l	100
59) 2-Hexanone	10.96	43	1763033	587.825	ug/l	99
60) Dibromochloromethane	11.13	129	458437	102.312	ug/l	99
61) 1,2-Dibromoethane	11.23	107	397251	103.285	ug/l	99
64) Tetrachloroethene	10.86	164	421915	96.658	ug/l	98
65) Chlorobenzene	11.65	112	1481811	97.603	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	504204	99.731	ug/l	100
67) Ethyl Benzene	11.73	91	3076990	104.152	ug/l	99
68) m/p-Xylenes	11.84	106	2159598	206.778	ug/l	99
69) o-Xylene	12.16	106	997316	106.007	ug/l	99
70) Styrene	12.18	104	1739888	107.931	ug/l	99
71) Bromoform	12.35	173	236902	105.589	ug/l	98
73) Isopropylbenzene	12.46	105	2828678	105.571	ug/l	100
74) N-amyl acetate	12.27	43	931754	117.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	557236	102.417	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	429747m	66.110	ug/l	
77) Bromobenzene	12.74	156	537838	101.557	ug/l	99
78) n-propylbenzene	12.80	91	3629056	104.219	ug/l	100
79) 2-Chlorotoluene	12.89	91	1996256	101.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	2373861	103.041	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	194940	111.068	ug/l	98
82) 4-Chlorotoluene	12.99	91	2091859	100.332	ug/l	100
83) tert-Butylbenzene	13.20	119	1982651	106.231	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	2399698	104.173	ug/l	99
85) sec-Butylbenzene	13.38	105	2947686	104.359	ug/l	100
86) p-Isopropyltoluene	13.49	119	2548812	104.979	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	1105759	98.543	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1060398	95.973	ug/l	99
89) n-Butylbenzene	13.82	91	2781434	106.227	ug/l	99
90) Hexachloroethane	14.09	117	483404	99.277	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	966448	98.340	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	94041	107.635	ug/l	99

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VSTDICC100

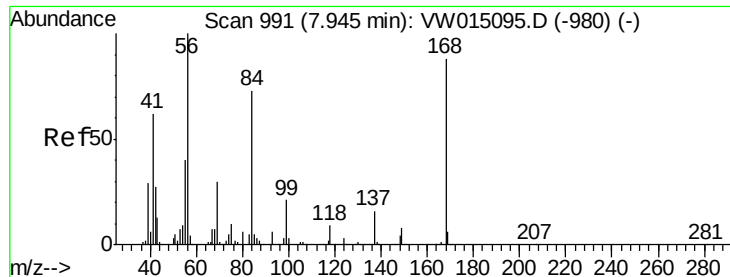
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	609867	108.443	ug/l	99
94) Hexachlorobutadiene	15.23	225	344773	97.644	ug/l	97
95) Naphthalene	15.36	128	1300984	123.891	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	535592	107.374	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 464783

Ion Ratio Lower Upper

168 100

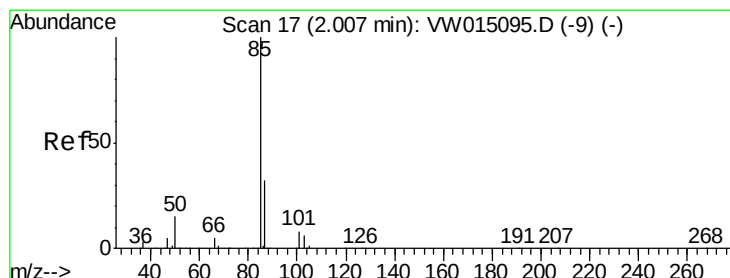
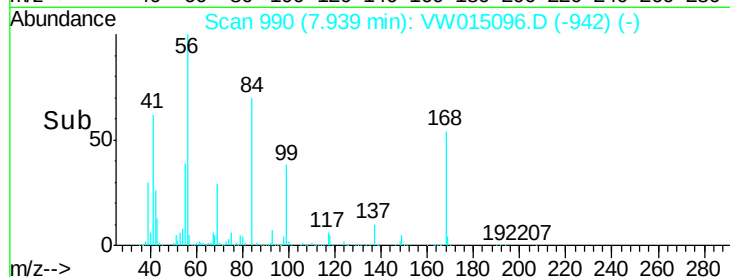
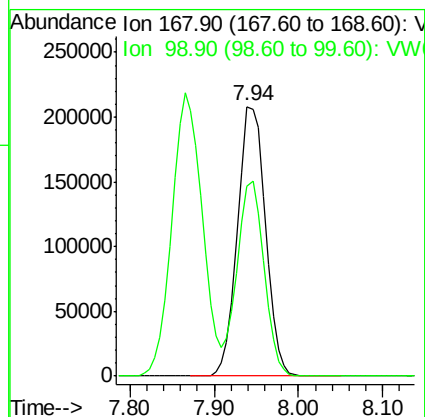
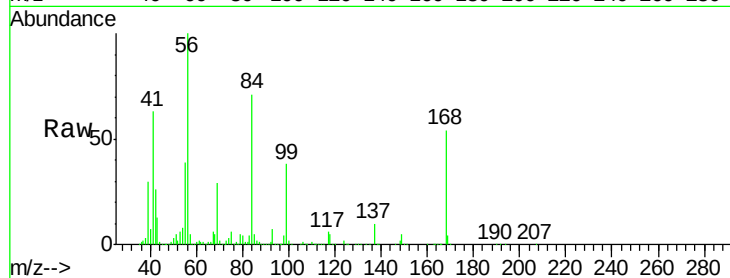
99 70.4 57.2 85.8

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#2

Dichlorodifluoromethane

Concen: 97.719 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015096.D

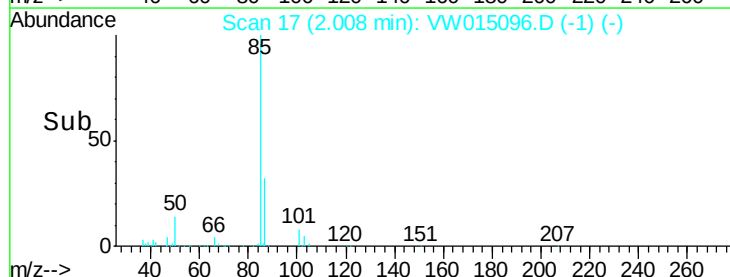
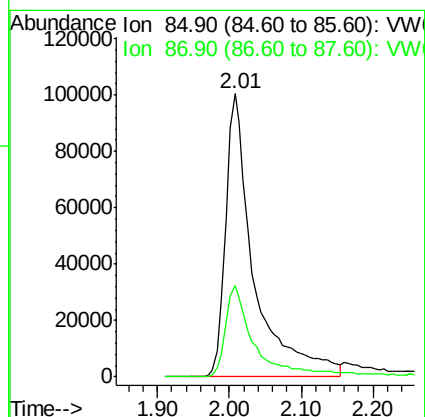
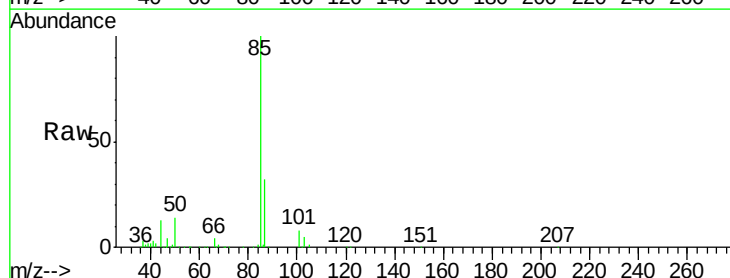
Acq: 09 Mar 2020 12:21

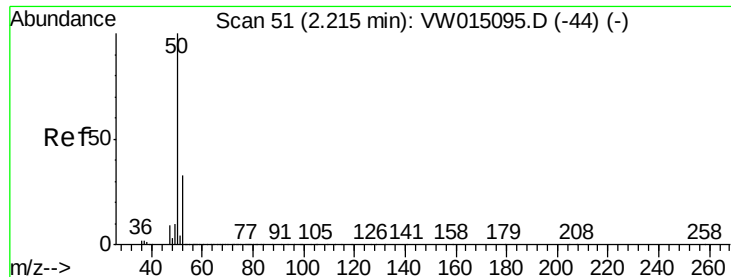
Tgt Ion: 85 Resp: 275400

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5





#3

Chloromethane

Concen: 87.418 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 528694

Ion Ratio Lower Upper

50 100

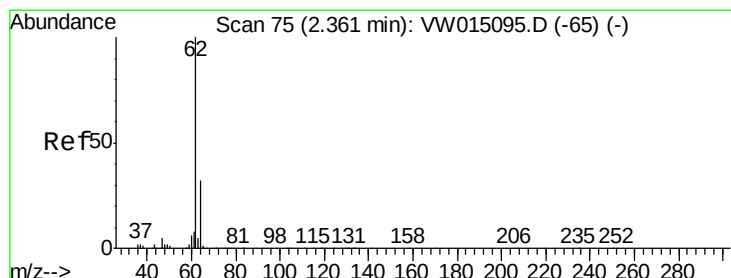
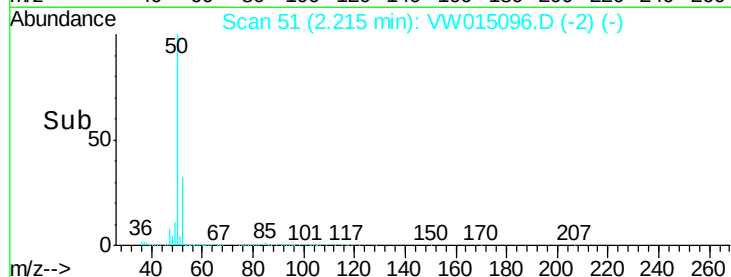
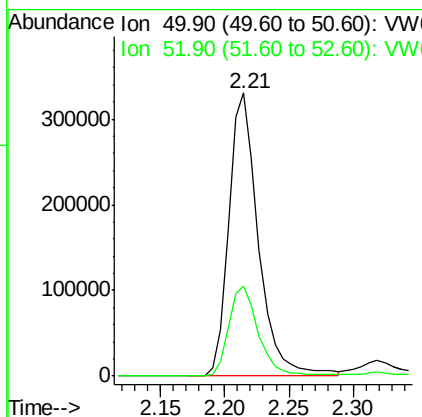
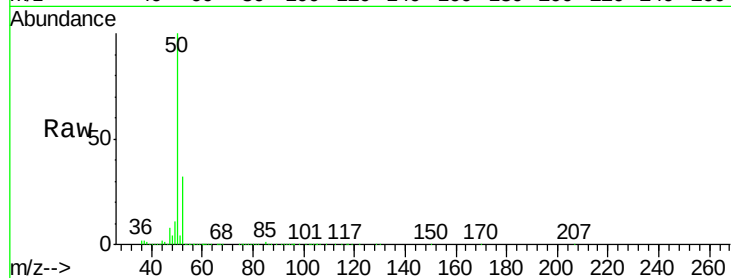
52 32.0 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 89.337 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015096.D

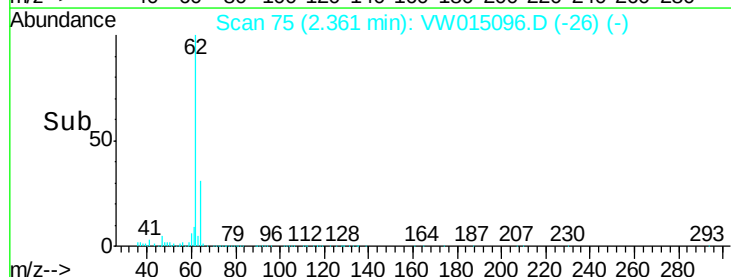
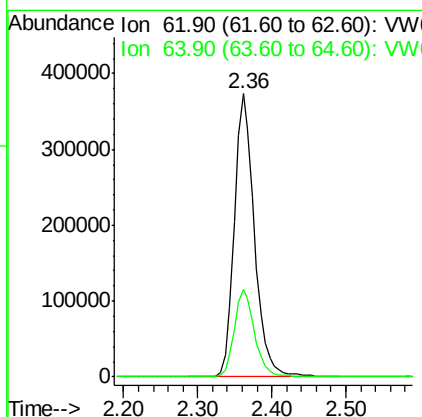
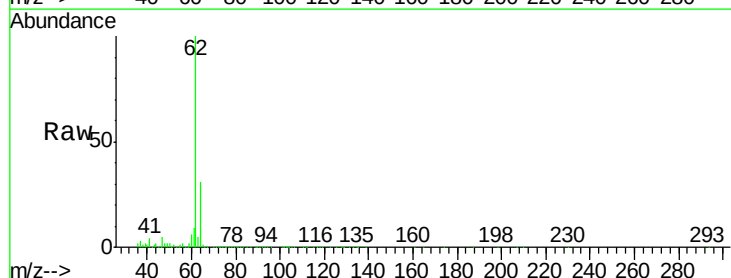
Acq: 09 Mar 2020 12:21

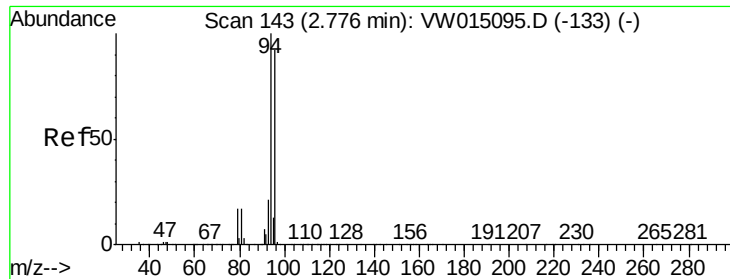
Tgt Ion: 62 Resp: 707348

Ion Ratio Lower Upper

62 100

64 30.8 25.3 37.9





#5

Bromomethane

Concen: 89.957 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 407134

Ion Ratio Lower Upper

94 100

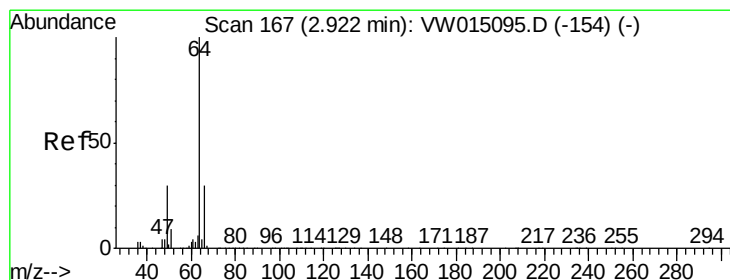
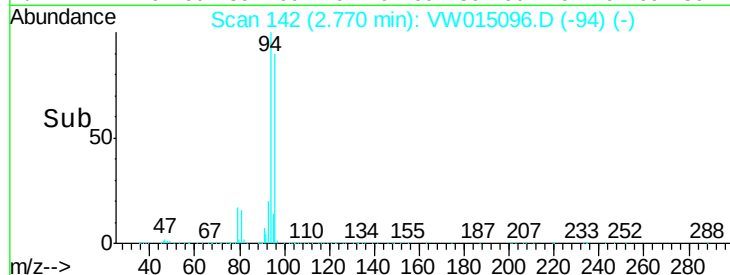
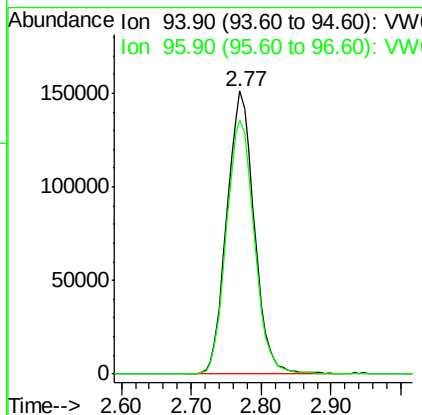
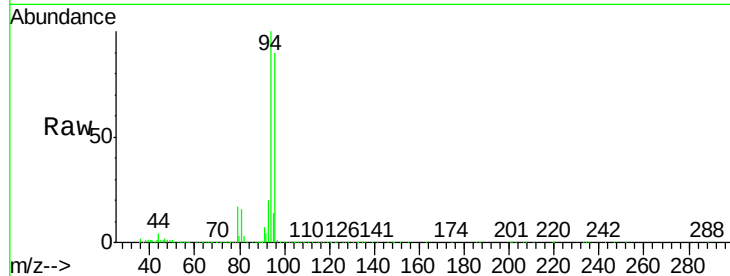
96 89.7 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 92.300 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015096.D

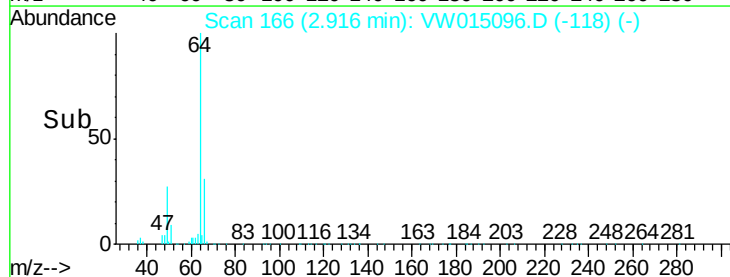
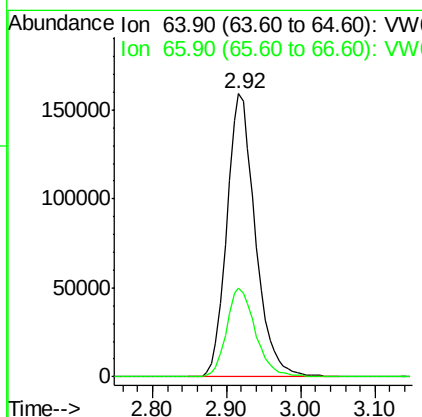
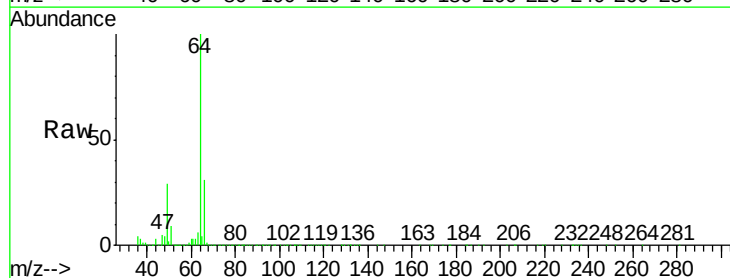
Acq: 09 Mar 2020 12:21

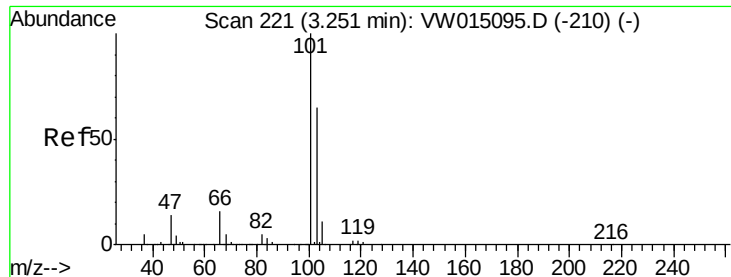
Tgt Ion: 64 Resp: 423292

Ion Ratio Lower Upper

64 100

66 31.3 24.2 36.2





#7

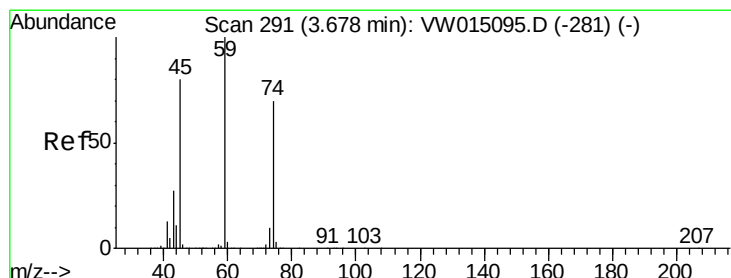
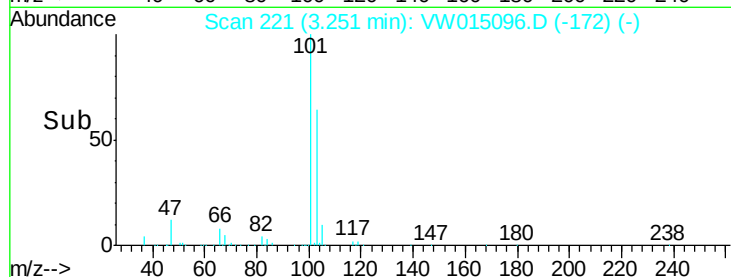
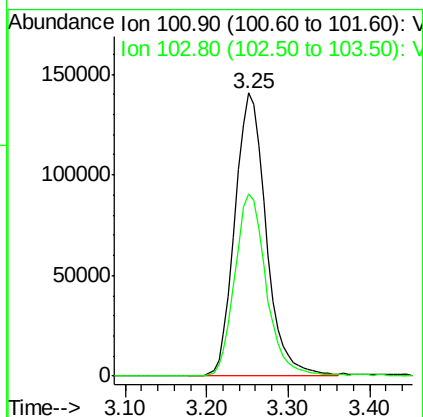
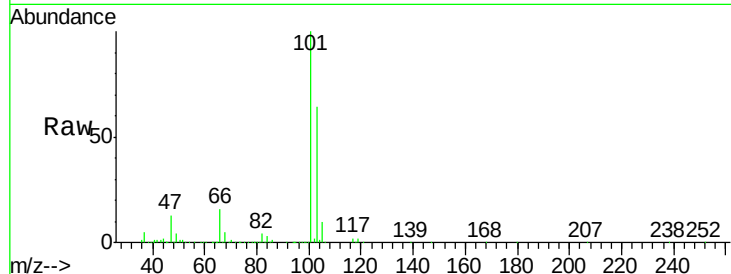
Trichlorofluoromethane
Concen: 94.401 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.8	77.6

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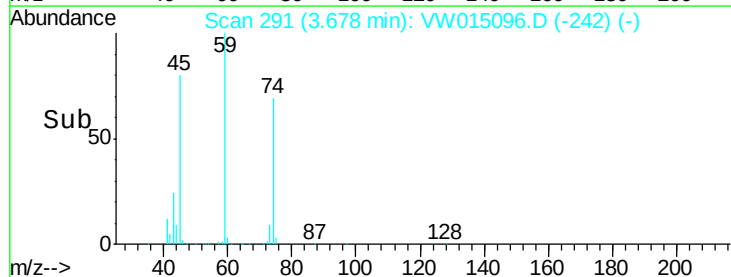
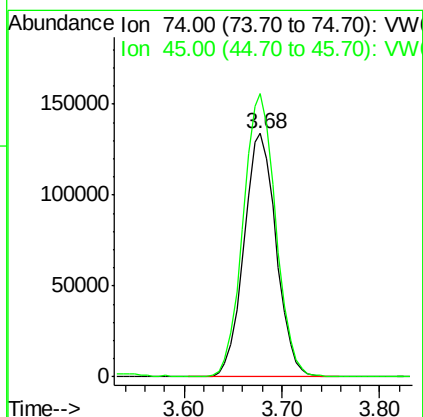
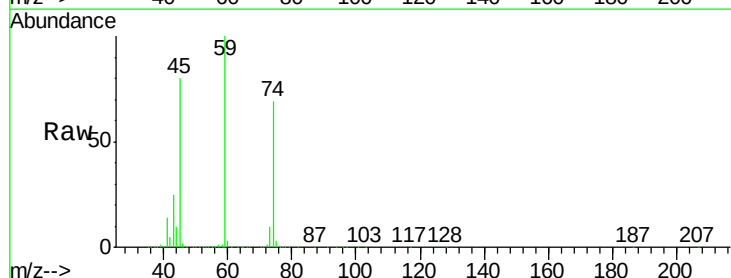
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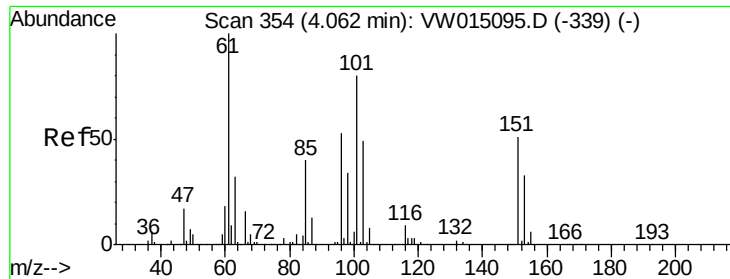


#8

Diethyl Ether
Concen: 101.186 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.7	59.2	177.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.546 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

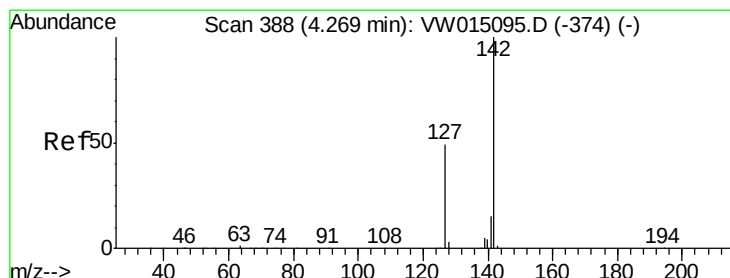
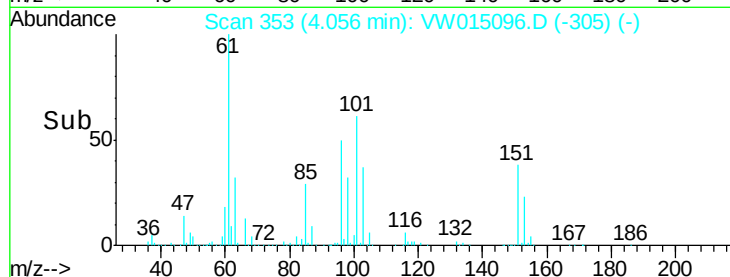
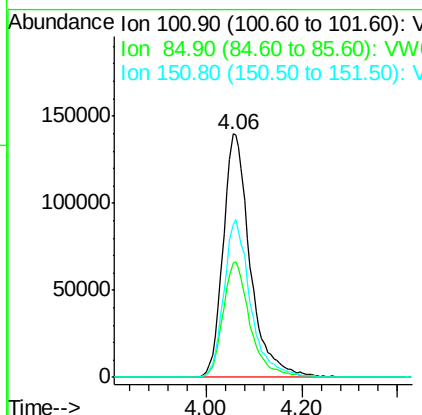
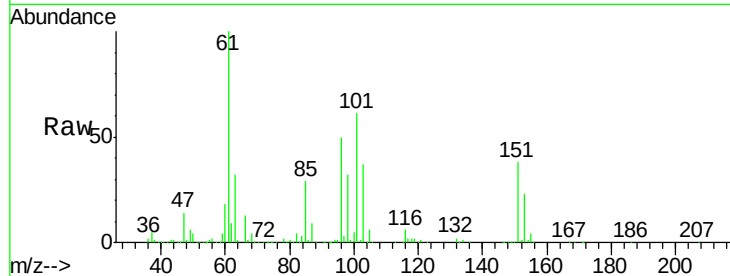
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	546903
Ion Ratio	Lower	Upper	
101	100		
85	47.8	39.0	58.4
151	64.1	50.8	76.2

Manual Integrations
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#10

Methyl Iodide

Concen: 94.644 ug/l

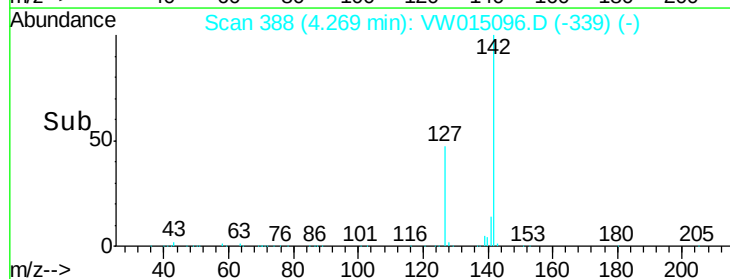
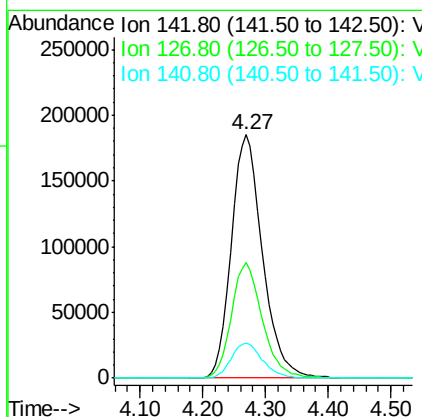
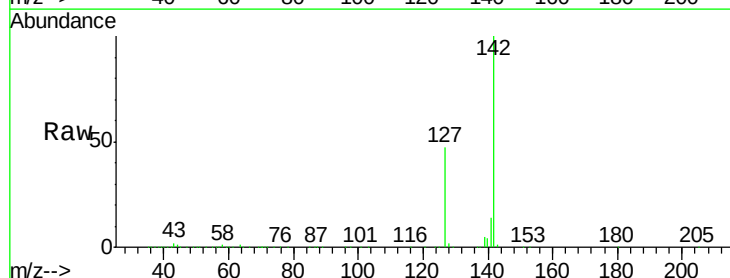
RT: 4.27 min Scan# 388

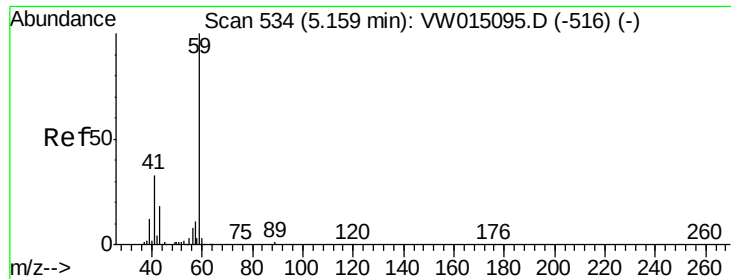
Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Tgt Ion:	142	Resp:	635965
Ion Ratio	Lower	Upper	
142	100		
127	47.1	38.2	57.4
141	14.6	12.0	18.0





#11

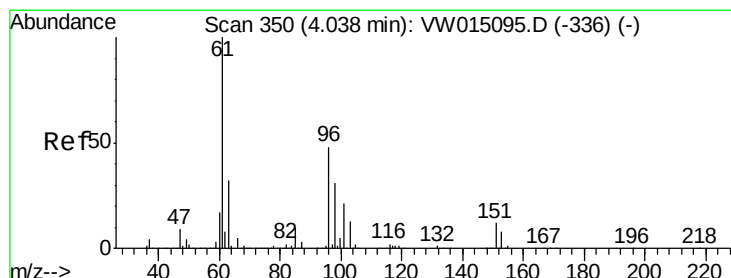
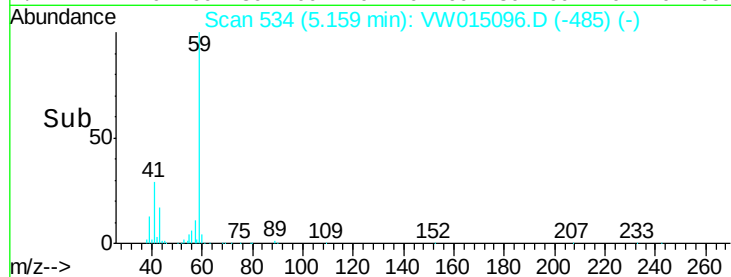
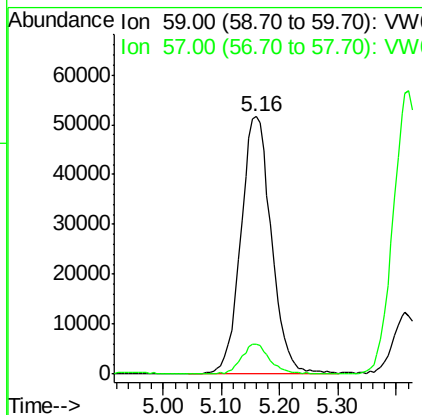
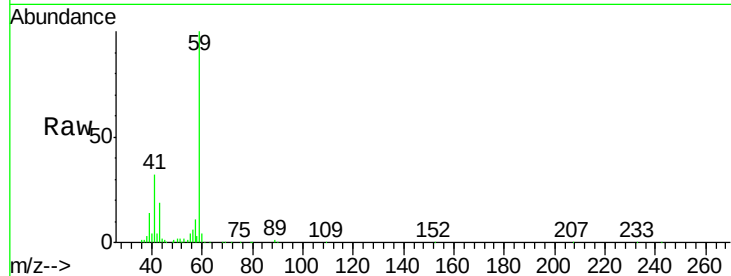
Tert butyl alcohol
Concen: 478.140 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.1	13.7

Manual Integrations
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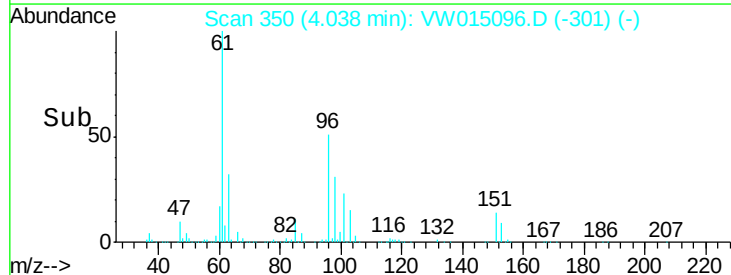
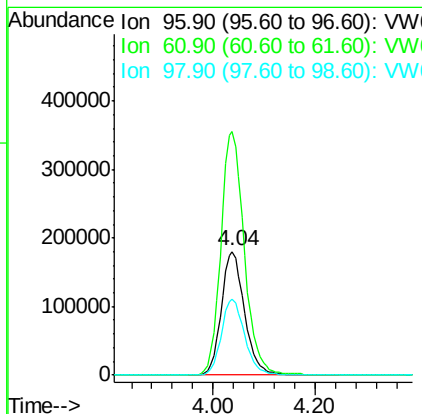
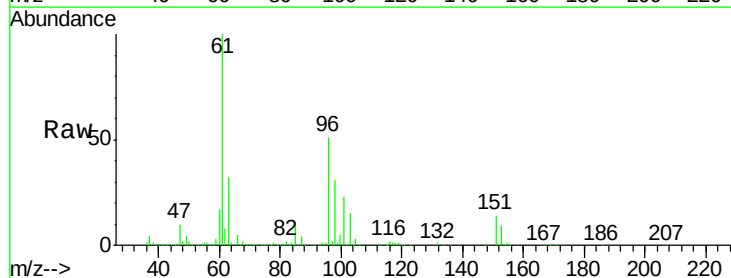
MMDadoda
3/11/2020 3:24:00 PM

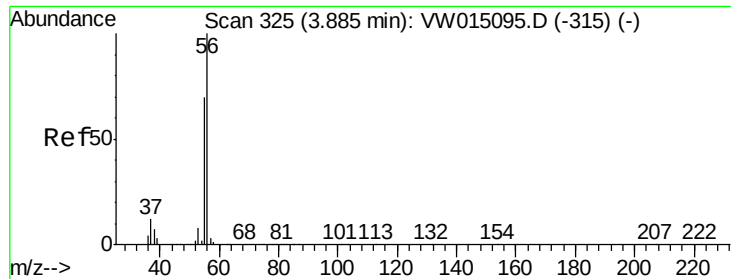


#12

1,1-Dichloroethene
Concen: 96.268 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	196.6	165.5	248.3
98	61.2	51.1	76.7





#13

Acrolein

Concen: 498.429 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 286304

Ion Ratio Lower Upper

56 100

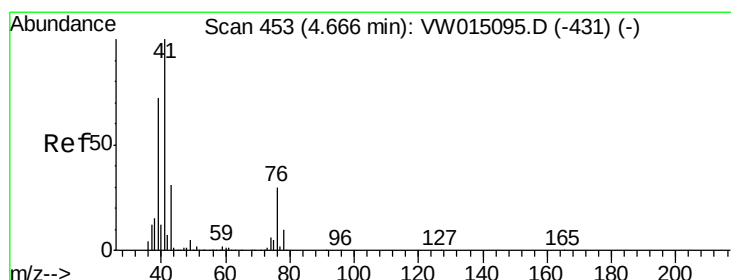
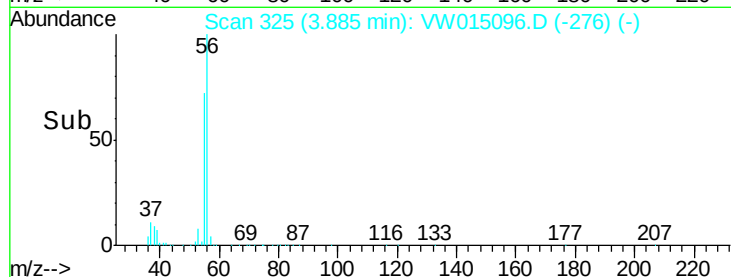
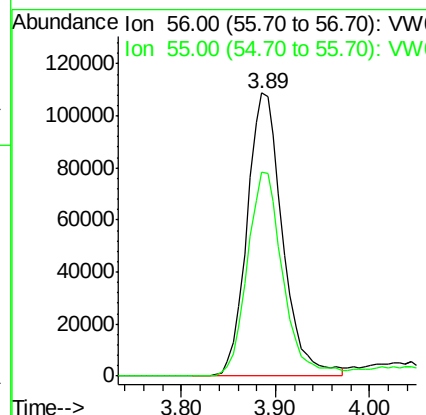
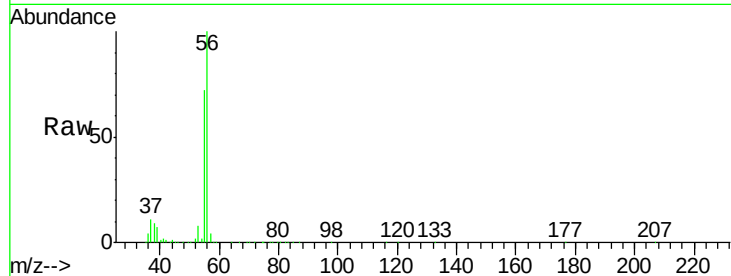
55 71.7 55.4 83.2

Manual Integrations

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#14

Allyl chloride

Concen: 100.596 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

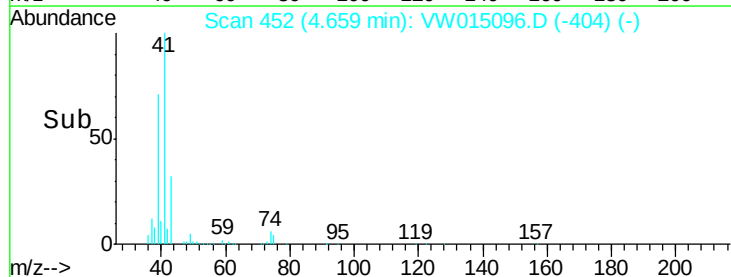
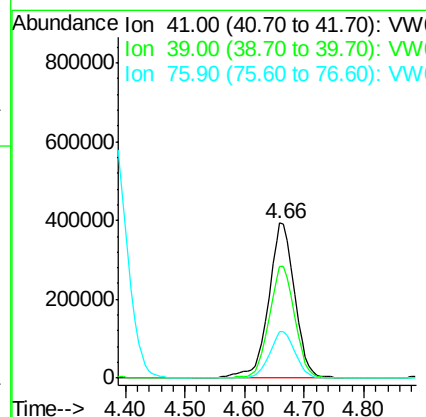
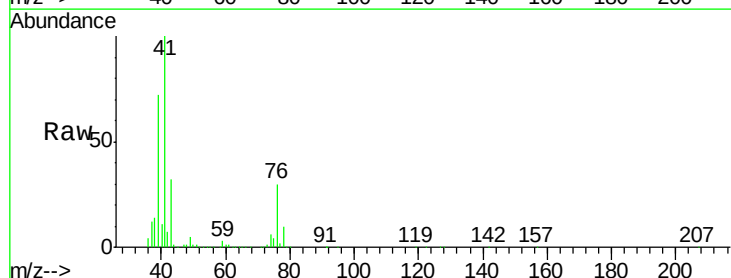
Tgt Ion: 41 Resp: 1190494

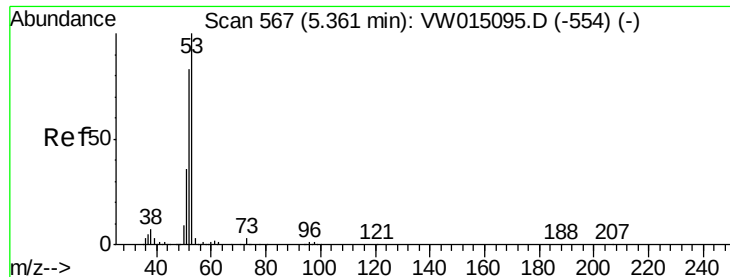
Ion Ratio Lower Upper

41 100

39 70.7 56.9 85.3

76 28.8 23.2 34.8





#15

Acrylonitrile

Concen: 527.419 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

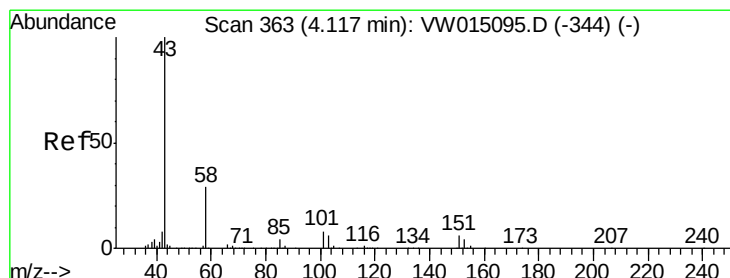
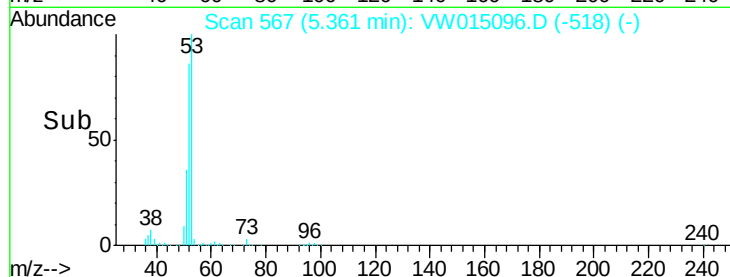
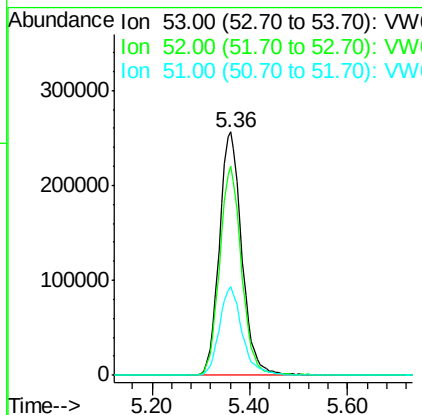
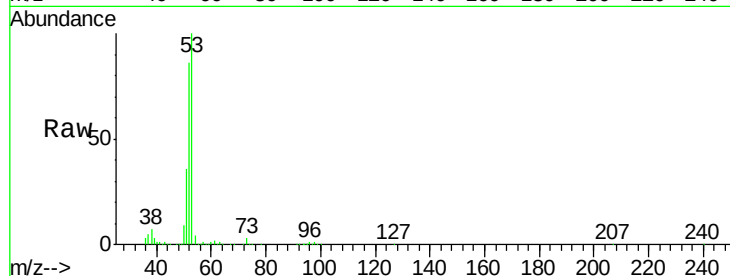
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	816213
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.2	100.8
51	36.8	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 496.914 ug/l

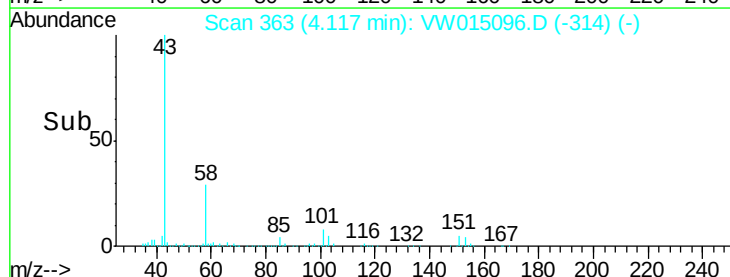
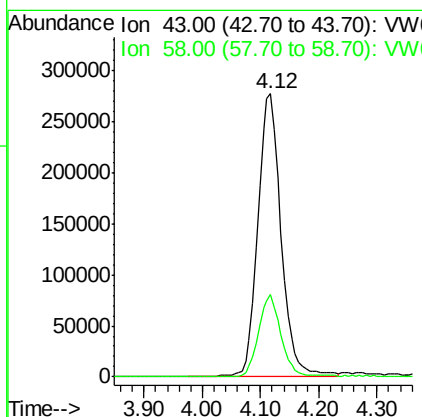
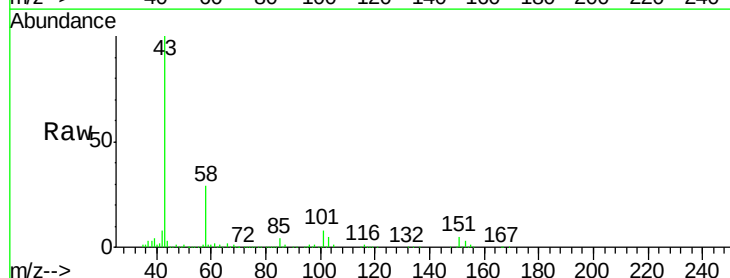
RT: 4.12 min Scan# 363

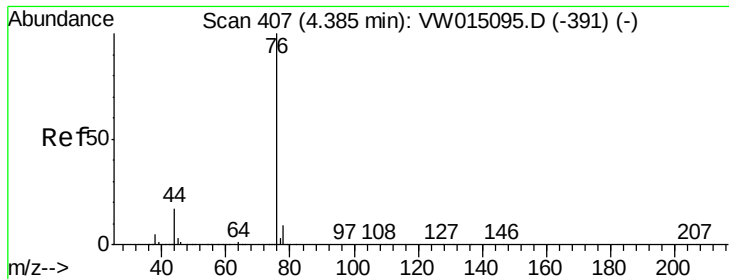
Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Tgt Ion:	43	Resp:	774478
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.9	34.3





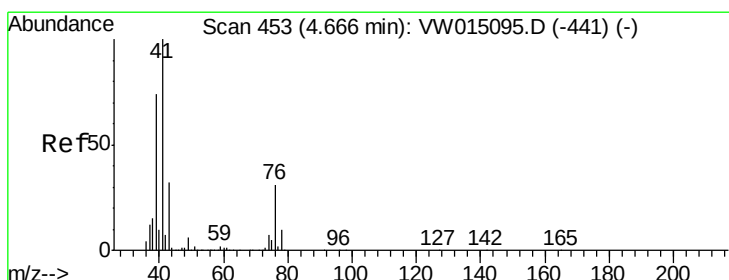
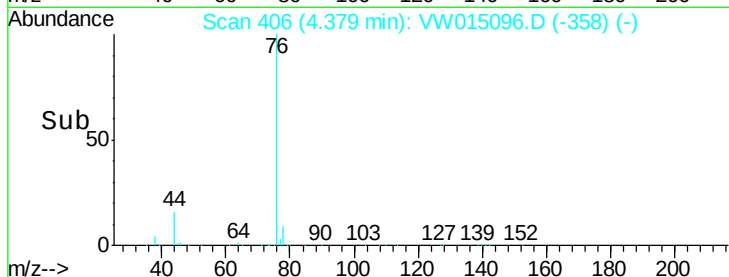
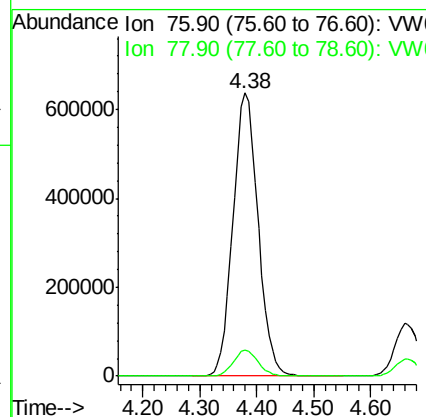
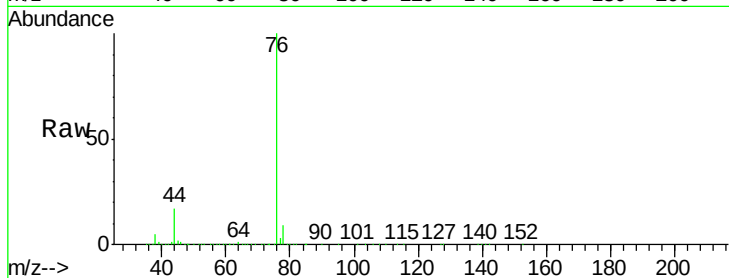
#17
Carbon Disulfide
Concen: 93.850 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	6.9	10.3

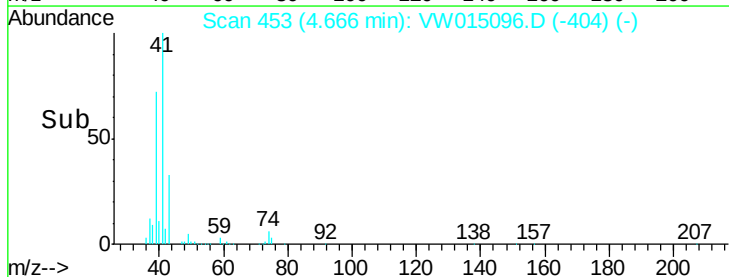
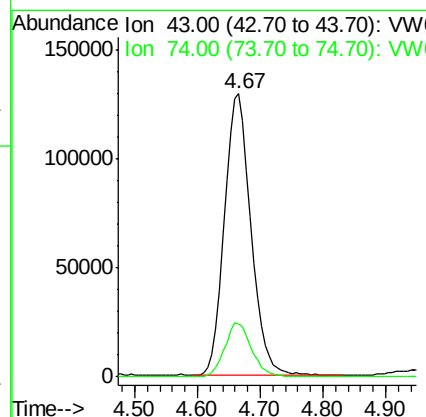
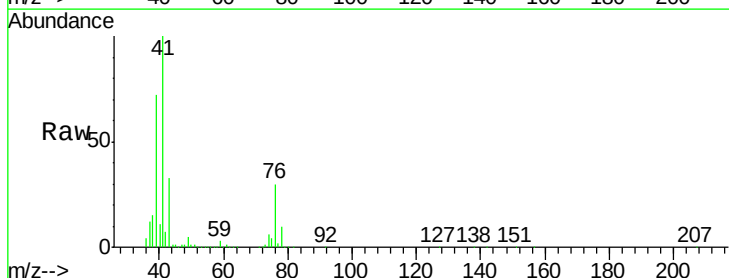
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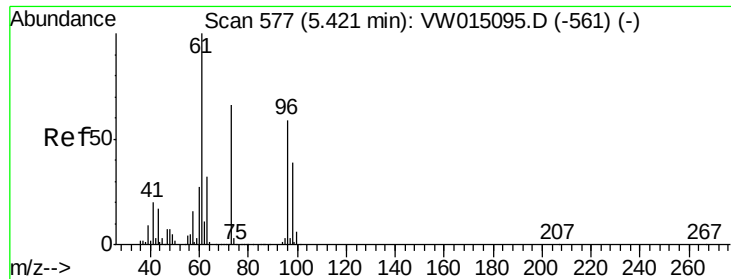
MMDadoda
3/11/2020 3:24:00 PM



#18
Methyl Acetate
Concen: 102.902 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.8	23.6





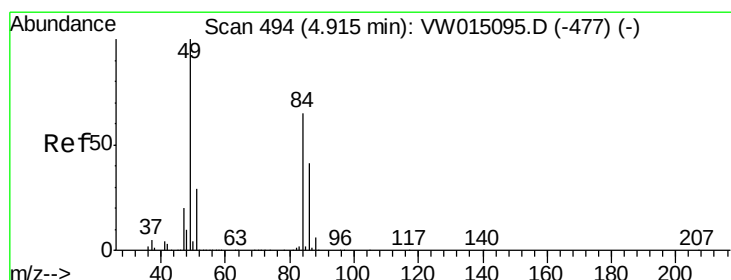
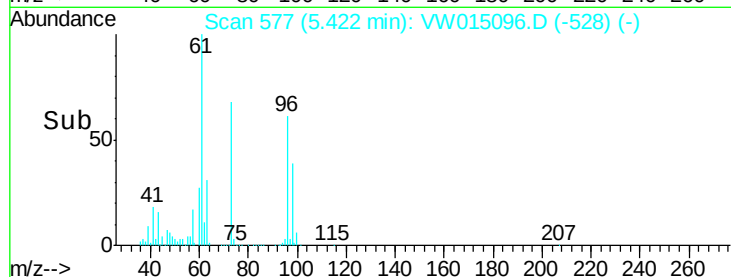
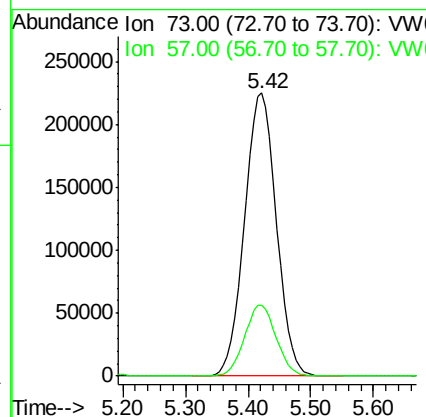
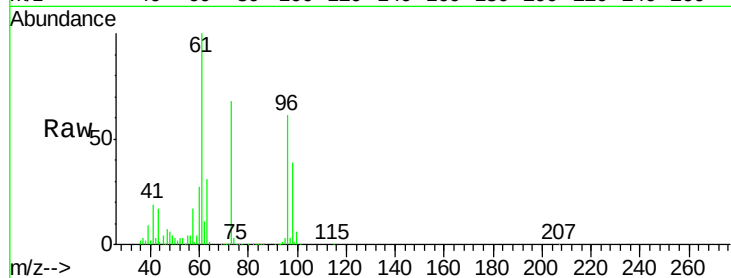
#19
Methyl tert-butyl Ether
Concen: 104.370 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.2	19.3	28.9

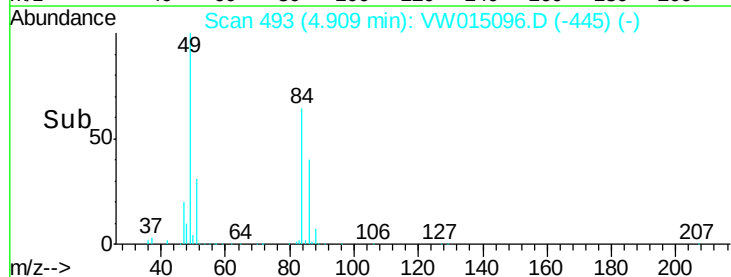
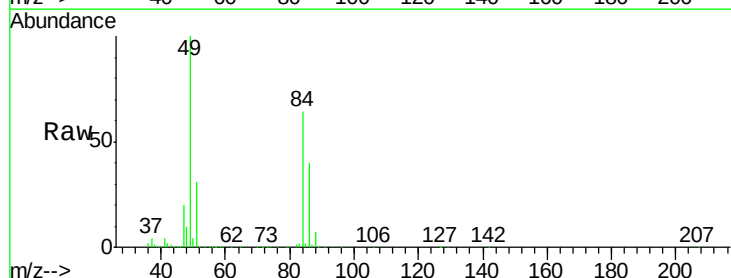
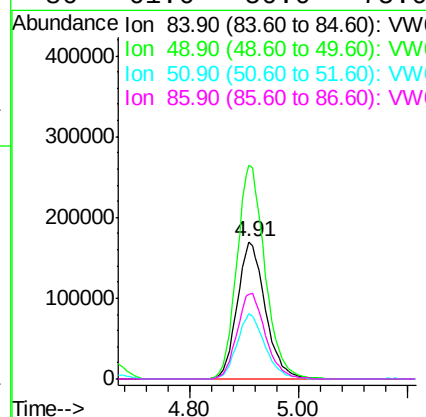
Manual Integrations
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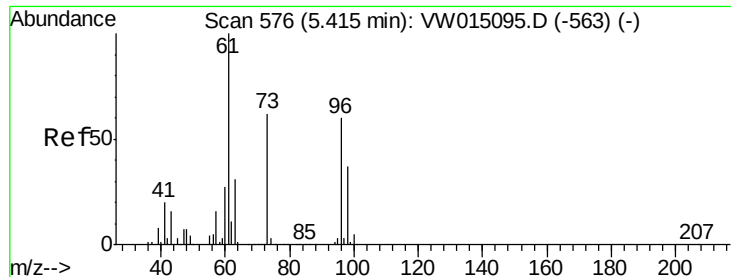
MMDadoda
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#20
Methylene Chloride
Concen: 84.467 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.7	122.8	184.2
51	47.9	35.9	53.9
86	61.6	50.0	75.0





#21

trans-1,2-Dichloroethene

Concen: 97.183 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

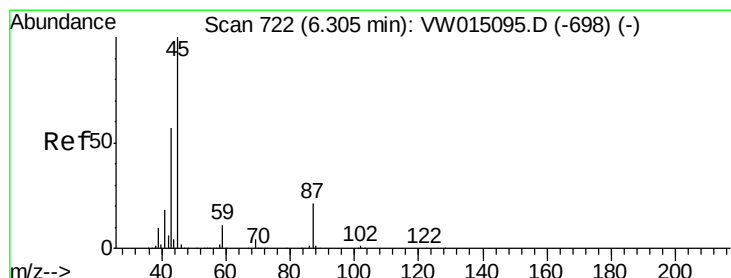
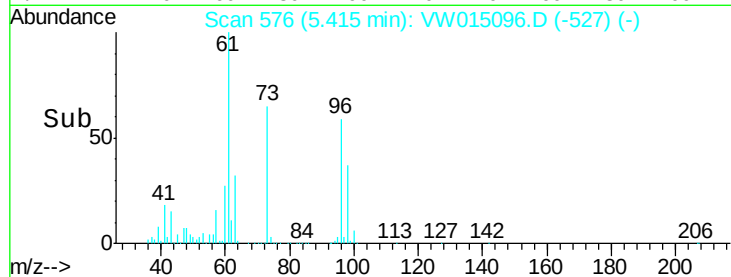
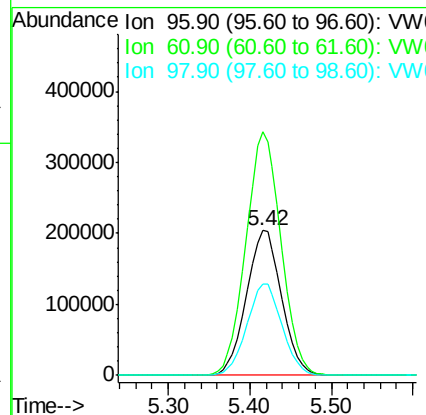
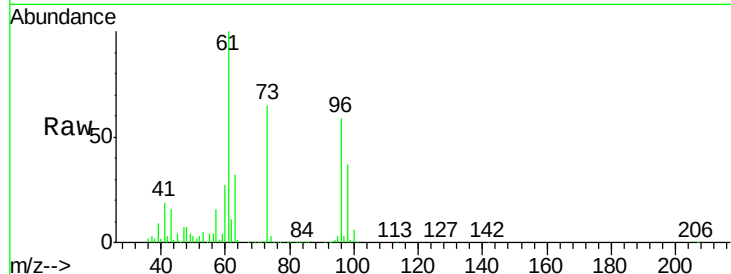
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	609327
Ion	Ratio	Lower	Upper
96	100		
61	168.1	132.5	198.7
98	62.8	48.9	73.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 101.190 ug/l

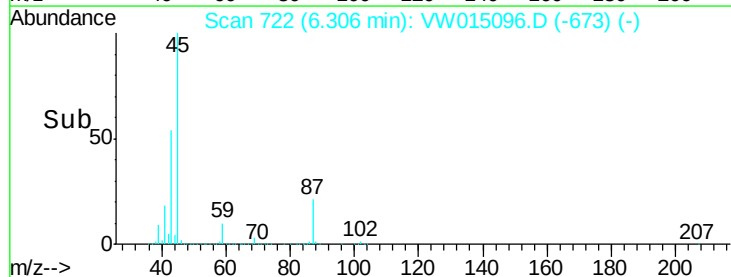
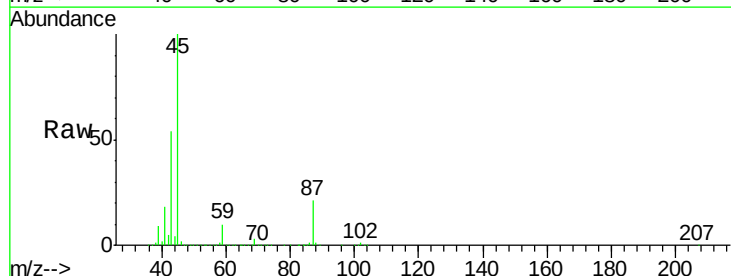
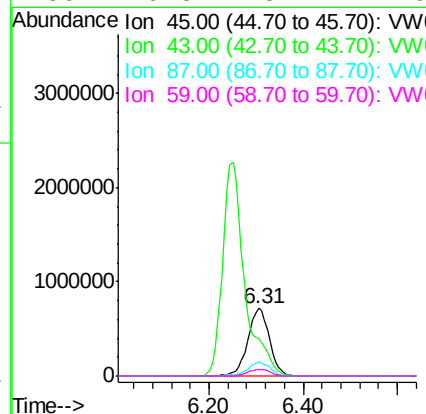
RT: 6.31 min Scan# 722

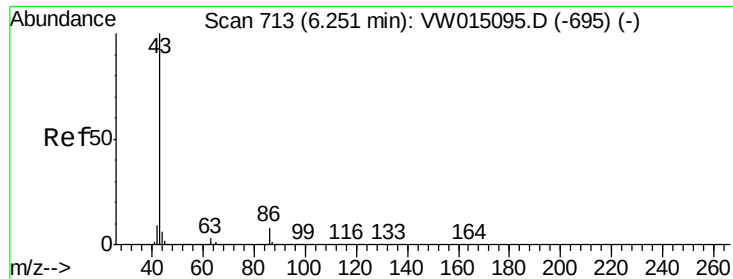
Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Tgt Ion:	45	Resp:	2297776
Ion	Ratio	Lower	Upper
45	100		
43	54.1	45.4	68.0
87	20.7	16.4	24.6
59	10.3	8.4	12.6





#23

Vinyl Acetate

Concen: 552.854 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 7410831

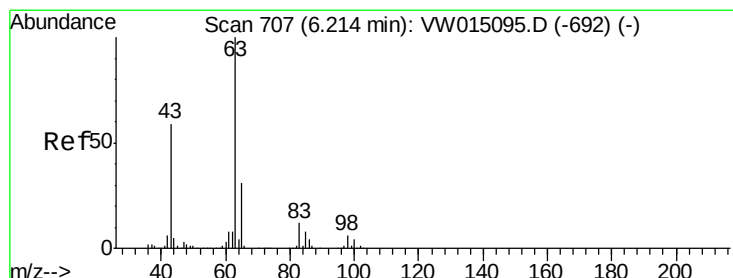
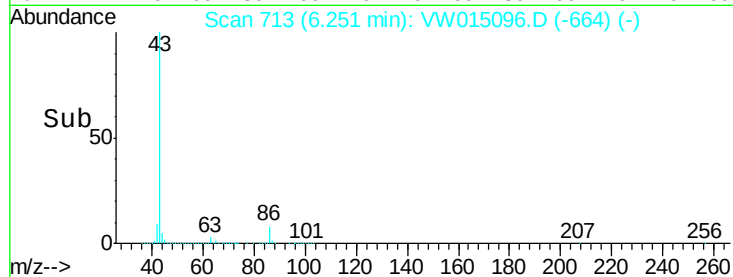
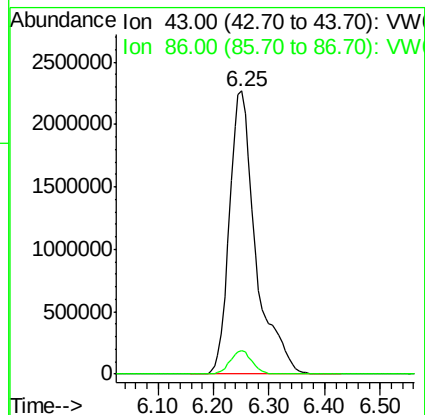
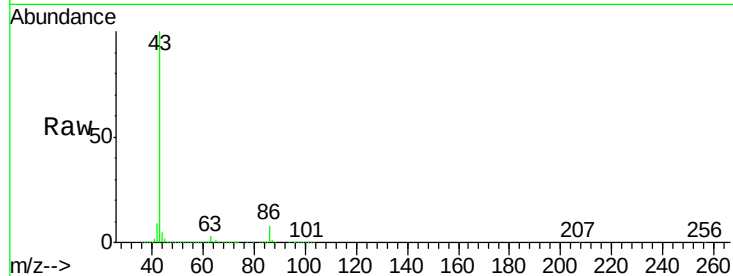
Ion Ratio Lower Upper

43 100

86 8.3 6.3 9.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 94.587 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

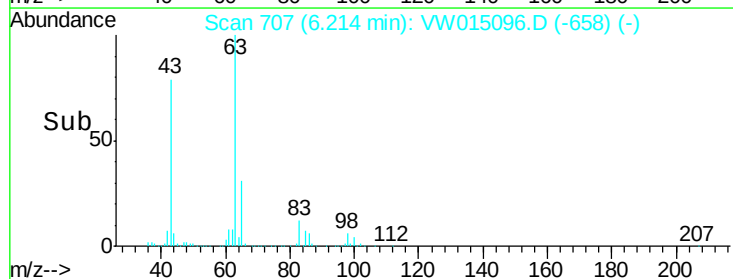
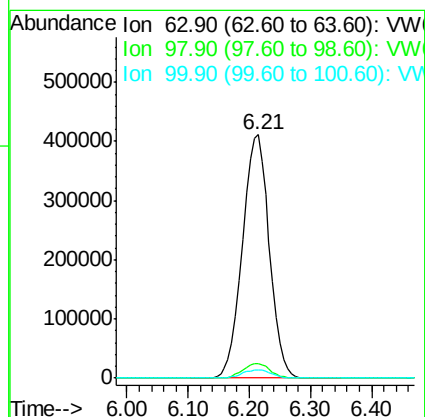
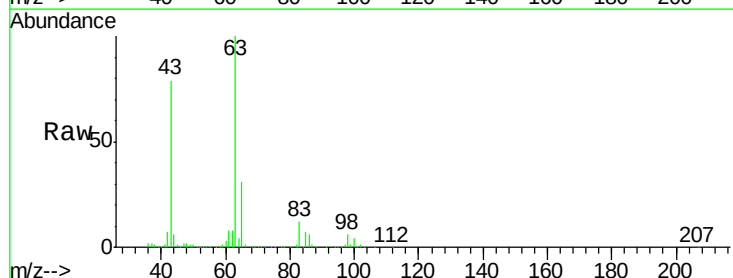
Tgt Ion: 63 Resp: 1252510

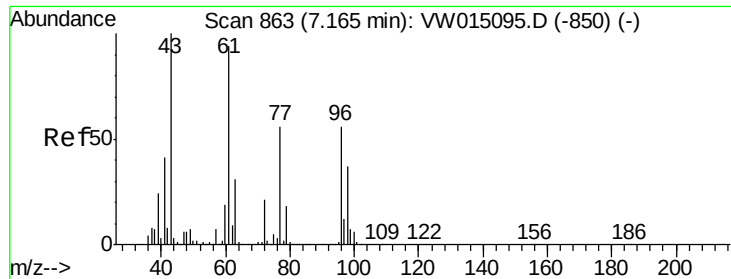
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 3.5 2.1 6.3





#25

2-Butanone

Concen: 537.115 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1147619

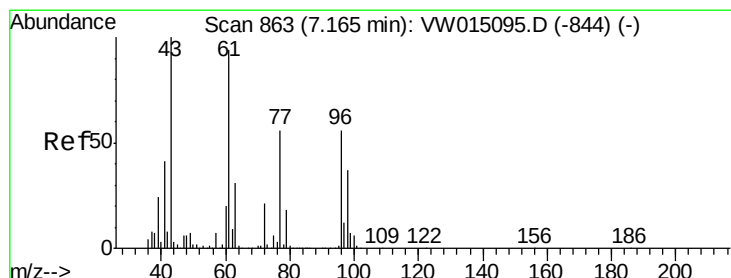
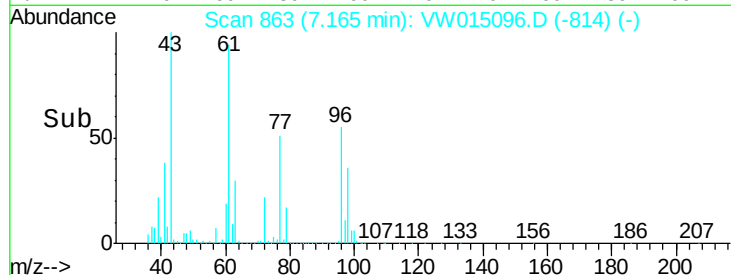
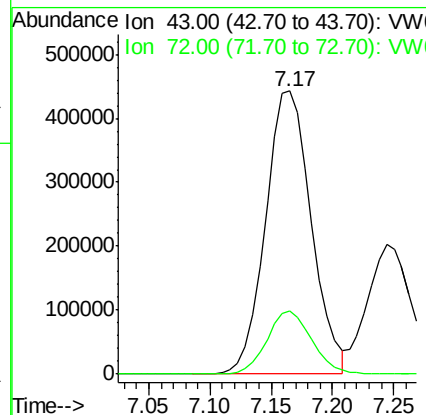
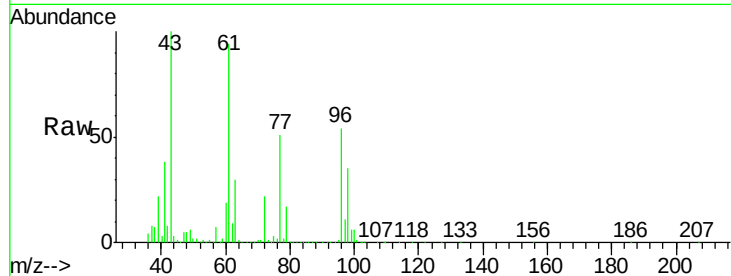
Ion Ratio Lower Upper

43 100

72 22.2 17.0 25.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 89.918 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW015096.D

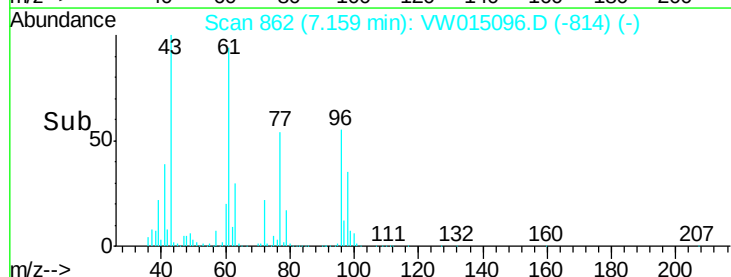
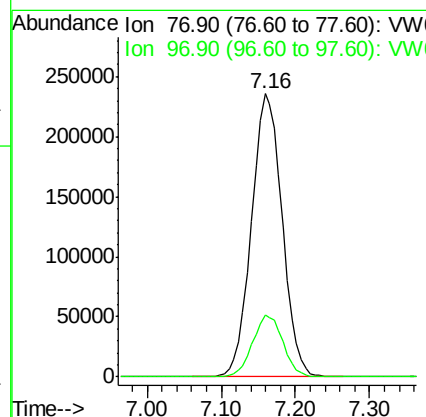
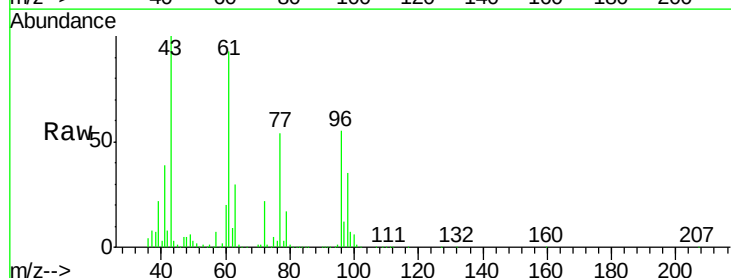
Acq: 09 Mar 2020 12:21

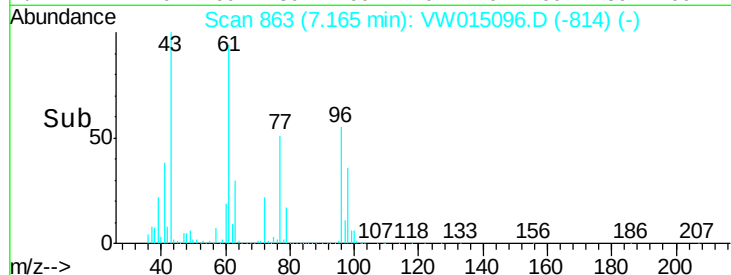
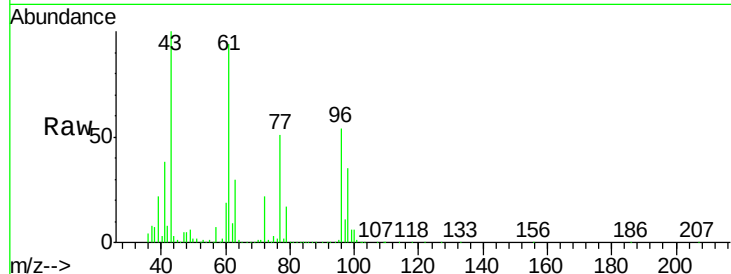
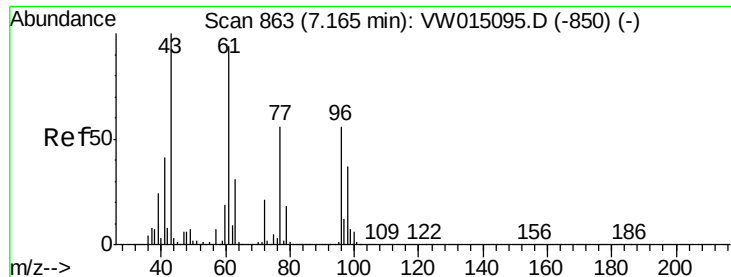
Tgt Ion: 77 Resp: 680990

Ion Ratio Lower Upper

77 100

97 21.6 10.6 31.8





#27

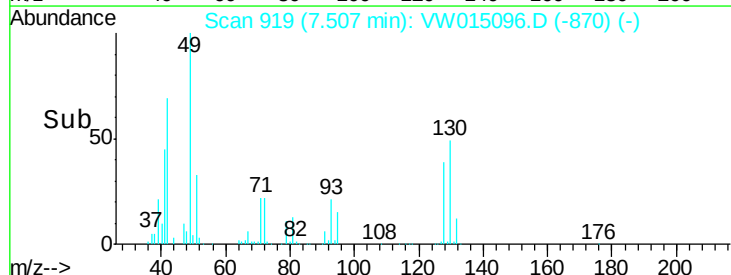
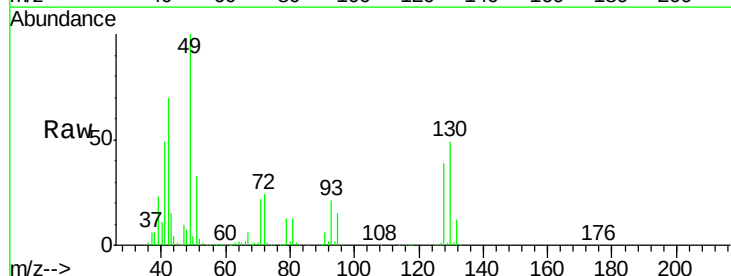
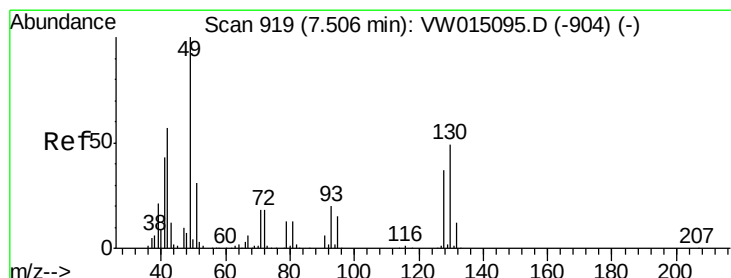
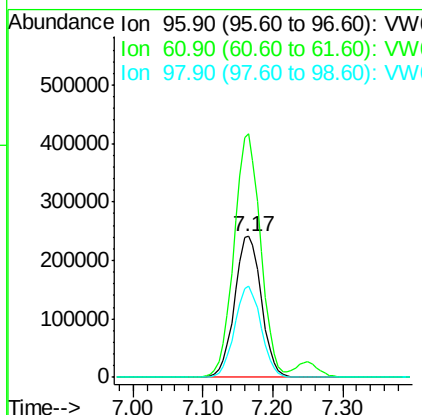
cis-1,2-Dichloroethene
Concen: 98.140 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tot Ion	Ratio	Resp	Lower	Upper
96	100	640610		
61	171.5	0.0	343.4	
98	63.7	0.0	127.6	

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Manual Integrations
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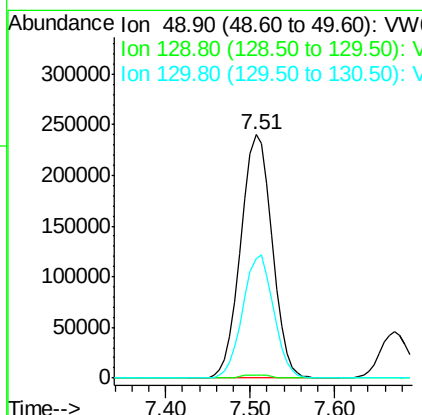
MMDadoda
3/11/2020 3:24:00 PM

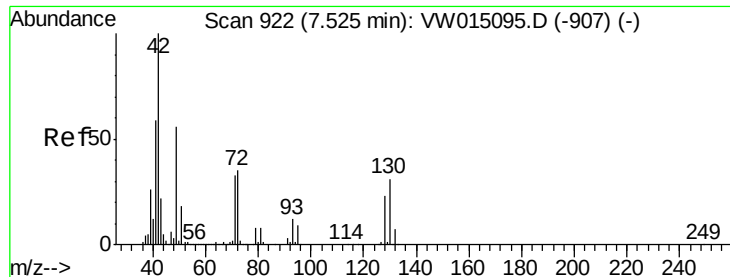


#28

Bromochloromethane
Concen: 95.637 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	606815		
129	1.4	0.0	3.0	
130	49.5	39.8	59.6	





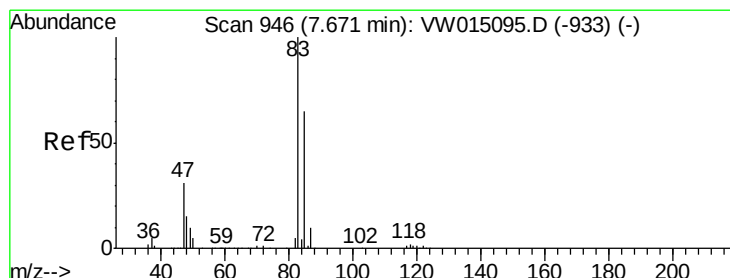
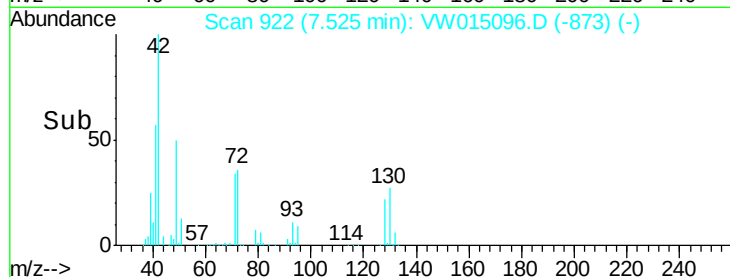
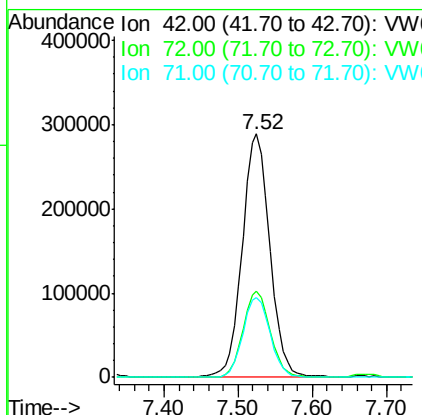
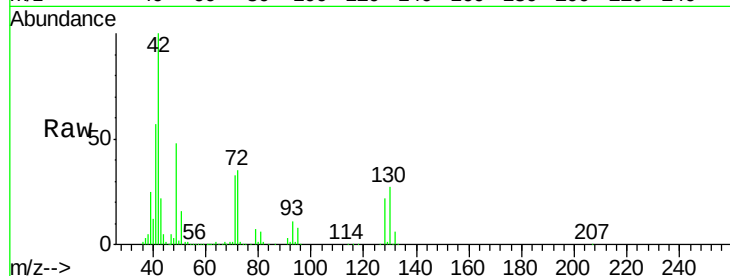
#29
Tetrahydrofuran
Concen: 561.521 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	42	Resp:	750450
Ion	Ratio	Lower	Upper
42	100		
72	34.9	27.8	41.6
71	32.6	26.4	39.6

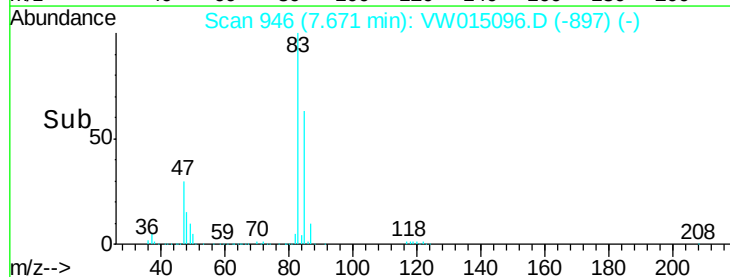
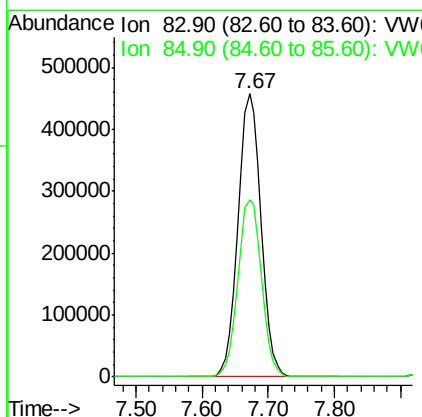
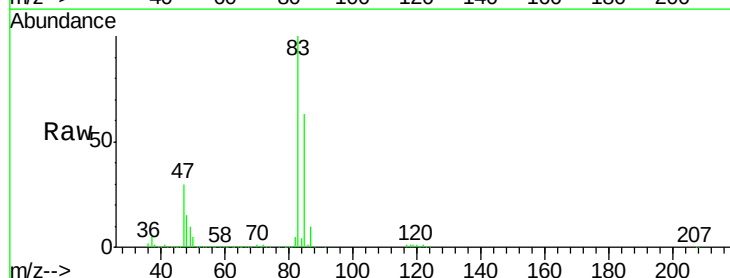
Manual Integrations
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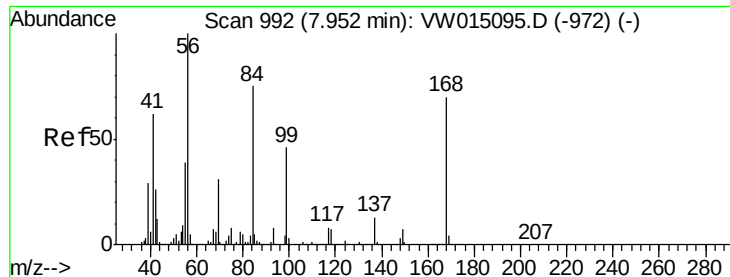
MMDadoda
3/11/2020 3:24:00 PM



#30
Chloroform
Concen: 93.542 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion:	83	Resp:	1099234
Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.9	77.9





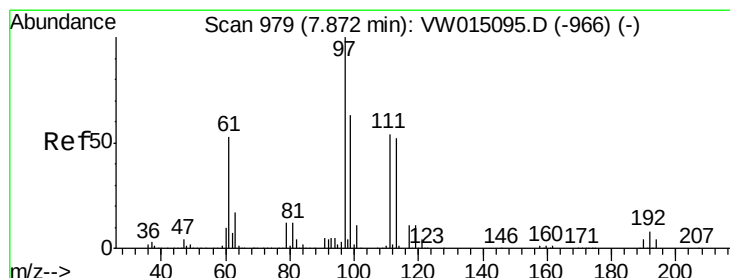
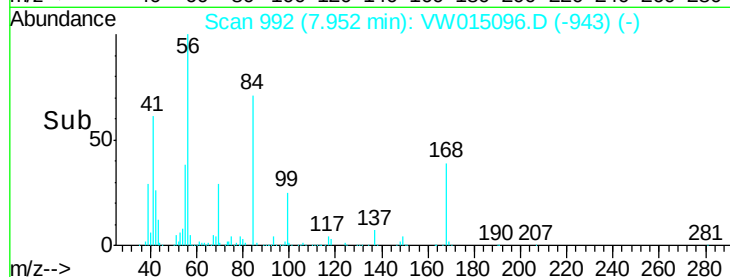
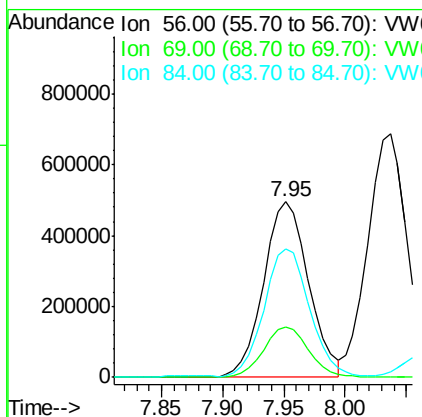
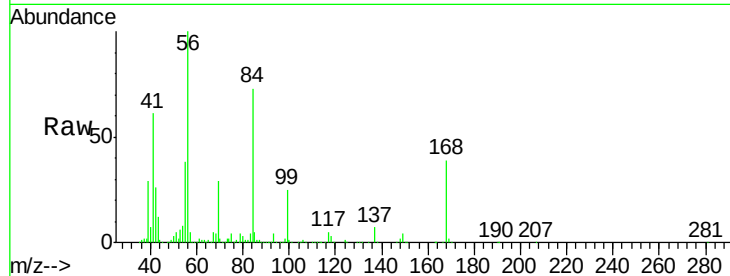
#31
Cyclohexane
Concen: 93.187 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.9	24.6	37.0
84	72.3	59.9	89.9

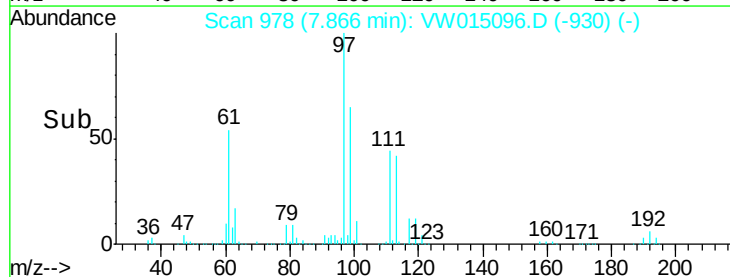
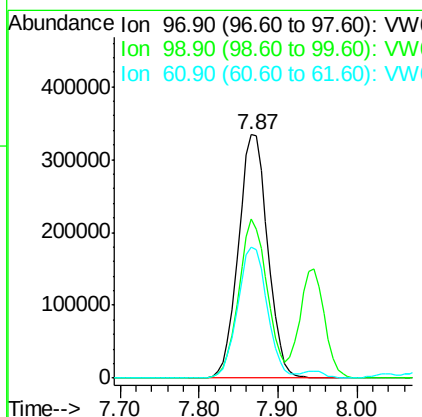
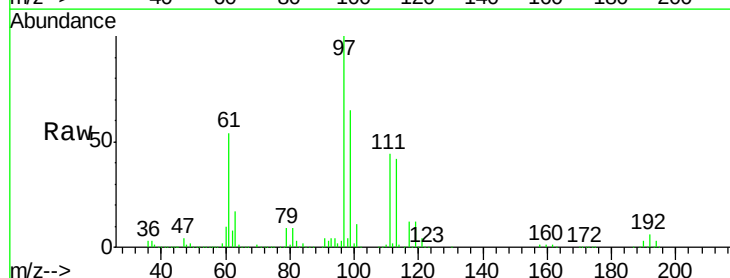
Manual Integrations
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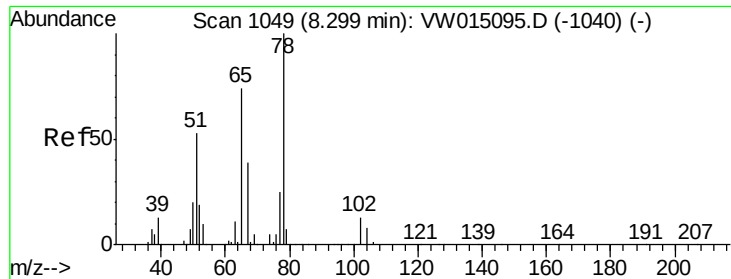
MMDadoda
3/11/2020 3:24:00 PM



#32
1,1,1-Trichloroethane
Concen: 94.222 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	54.2	44.0	66.0





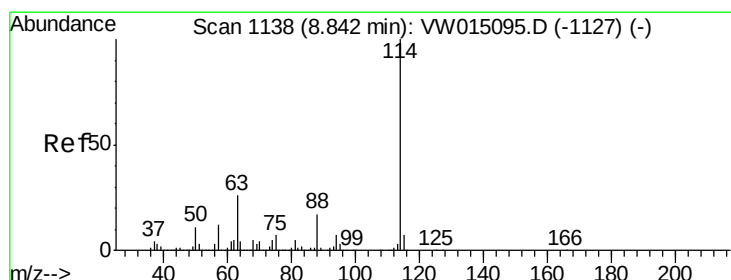
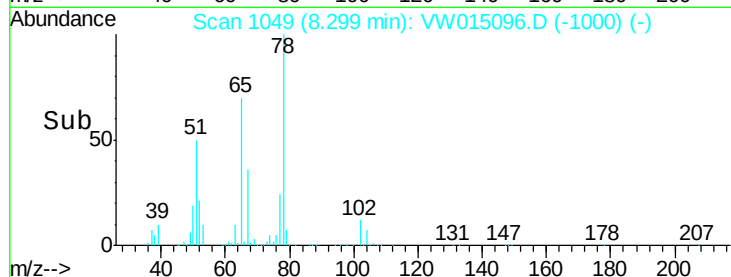
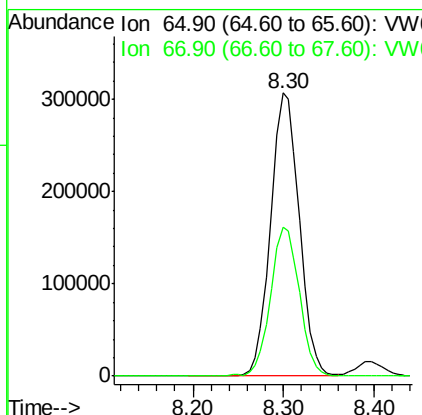
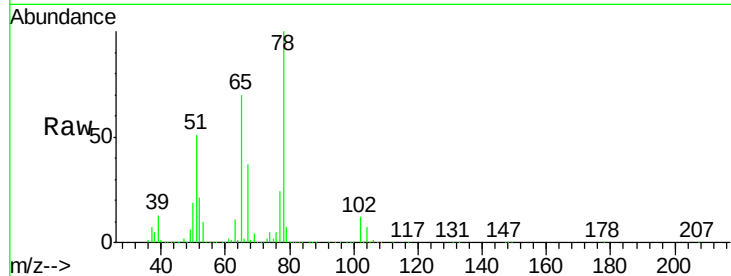
#33
 1,2-Dichloroethane-d4
 Concen: 98.067 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	105.0

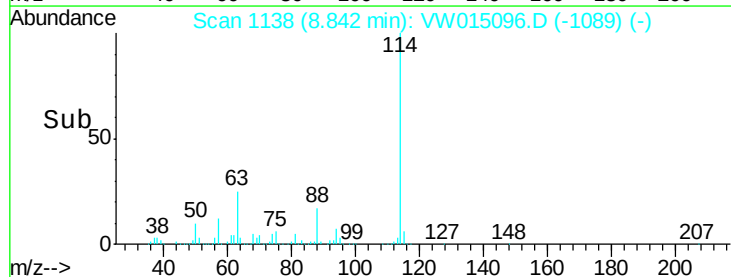
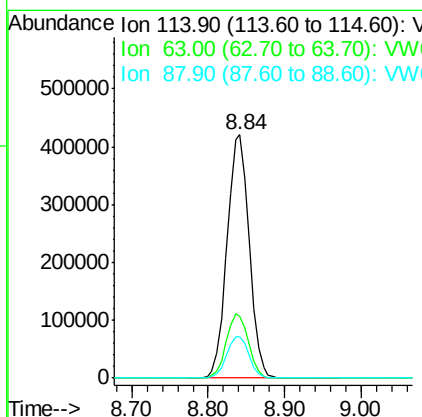
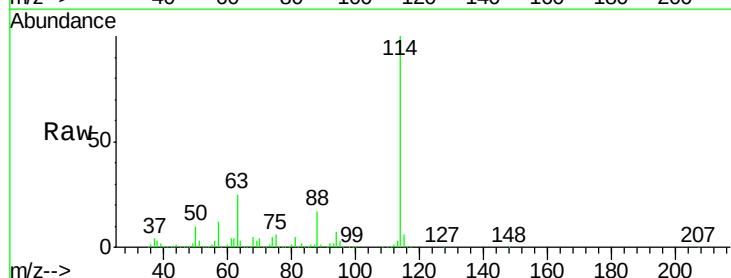
Manual Integrations
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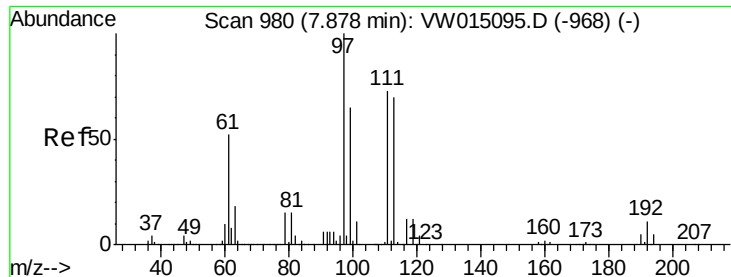
MMDadoda
 3/11/2020 3:24:00 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.3	0.0	52.0
88	17.0	0.0	34.2





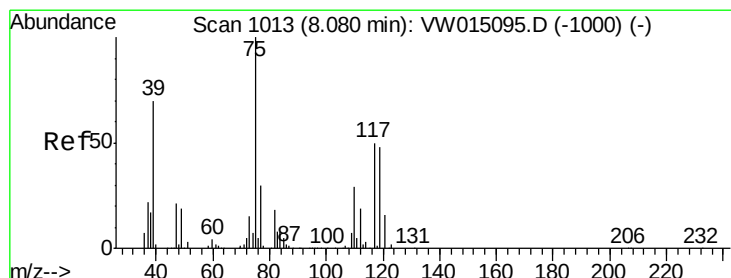
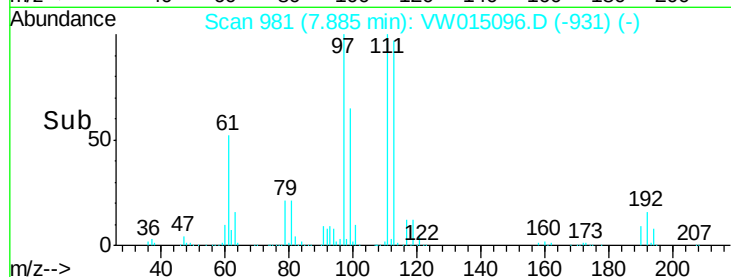
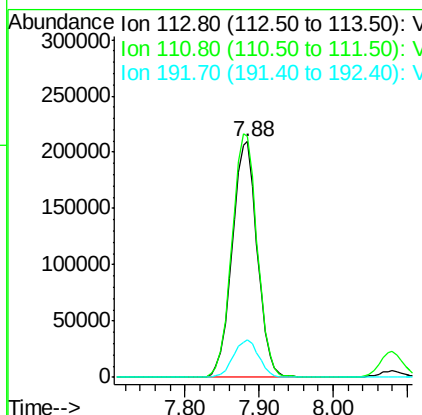
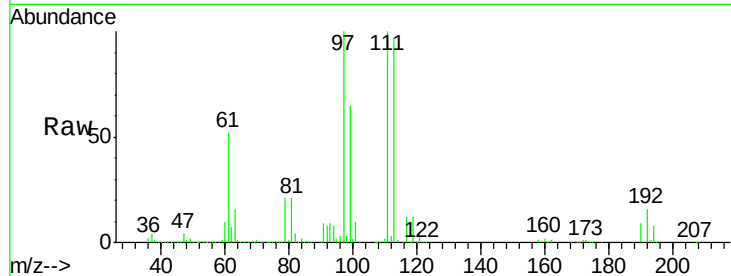
#35
 Dibromofluoromethane
 Concen: 98.440 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	494451		
111	104.4	83.6	125.4	
192	16.0	12.4	18.6	

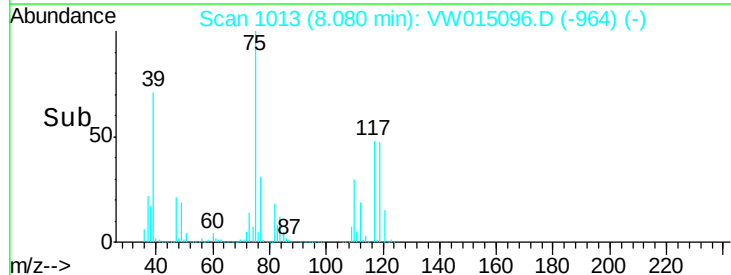
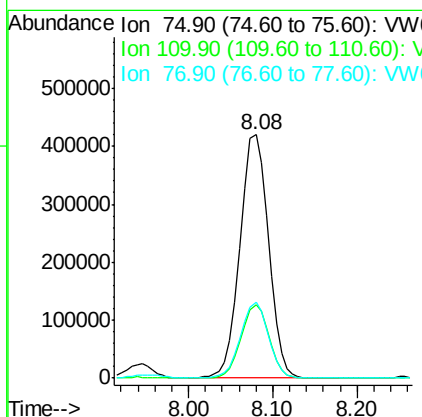
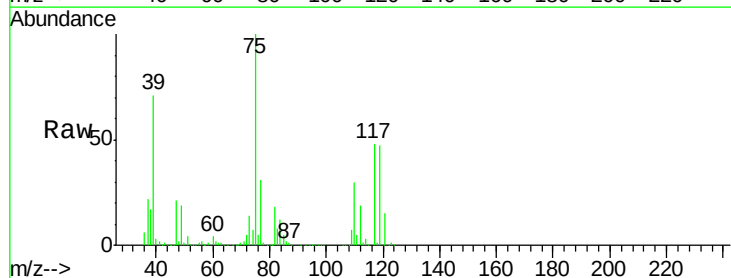
Manual Integrations
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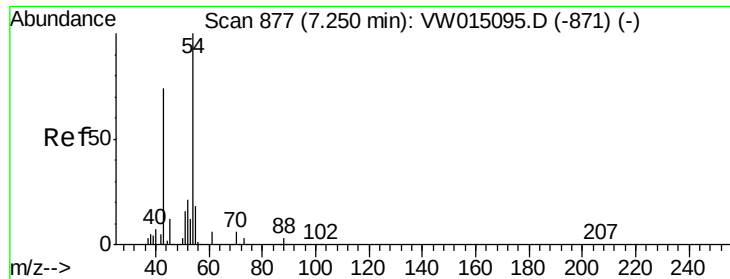
MMDadoda
 3/11/2020 3:24:00 PM



#36
 1,1-Dichloropropene
 Concen: 98.742 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	960704		
110	29.4	14.7	44.1	
77	30.5	24.2	36.4	





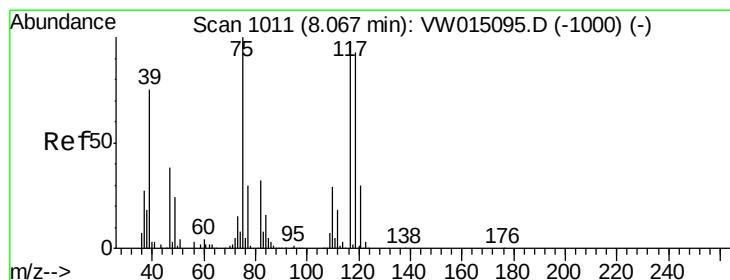
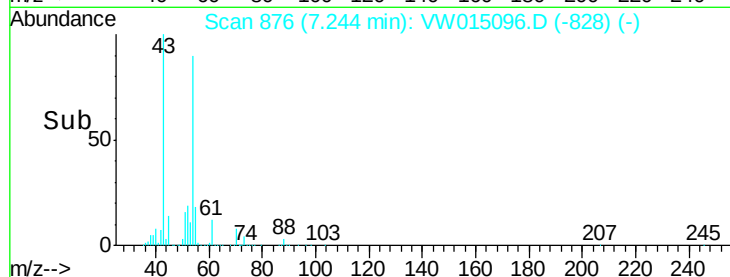
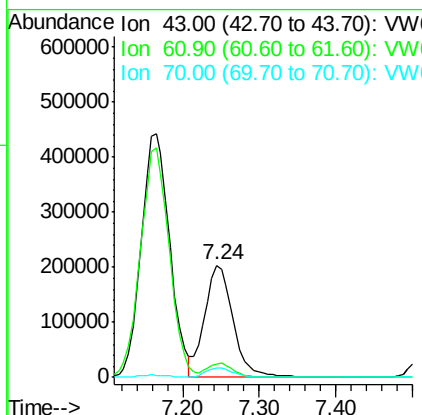
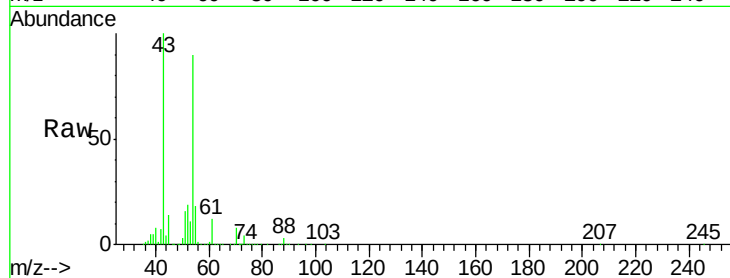
#37
Ethyl Acetate
Concen: 107.600 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	9.6	14.4
70	8.2	6.5	9.7

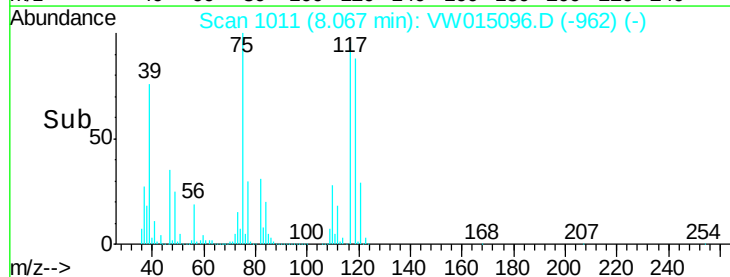
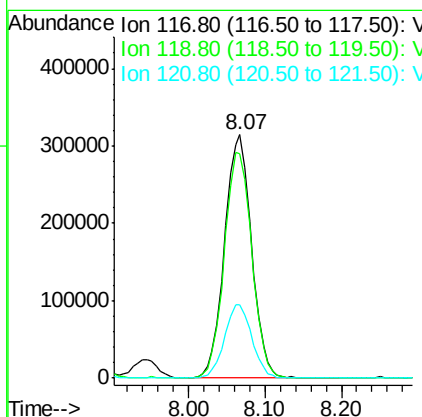
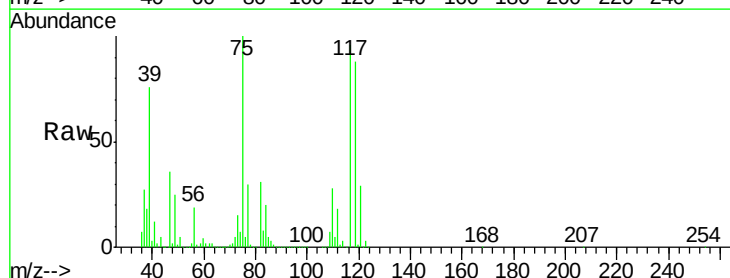
Manual Integrations
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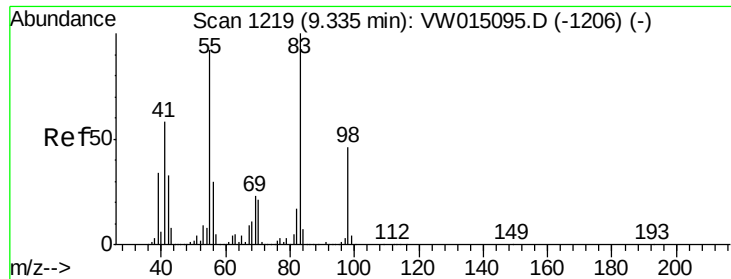
MMDadoda
3/11/2020 3:24:00 PM



#38
Carbon Tetrachloride
Concen: 96.700 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	75.8	113.8
121	29.9	24.5	36.7





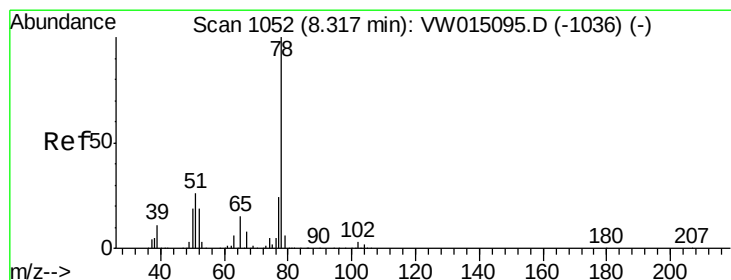
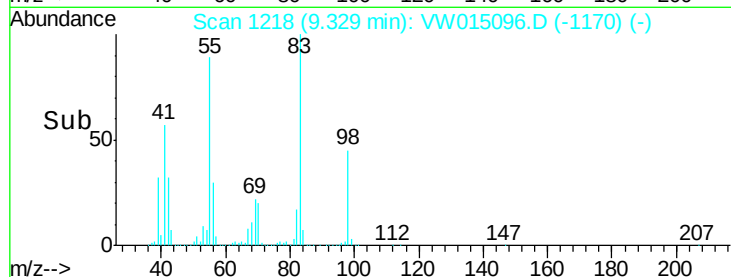
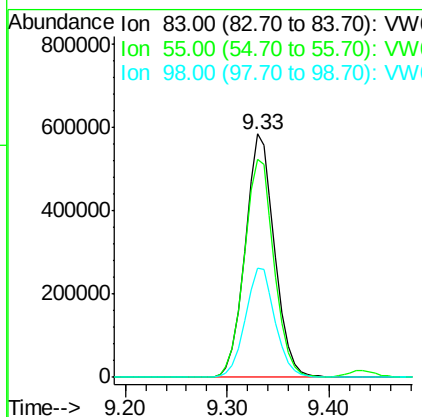
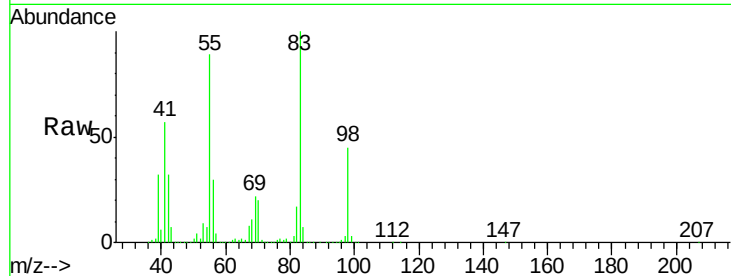
#39
Methylvlcyclohexane
Concen: 104.963 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.4	73.5	110.3
98	44.6	37.2	55.8

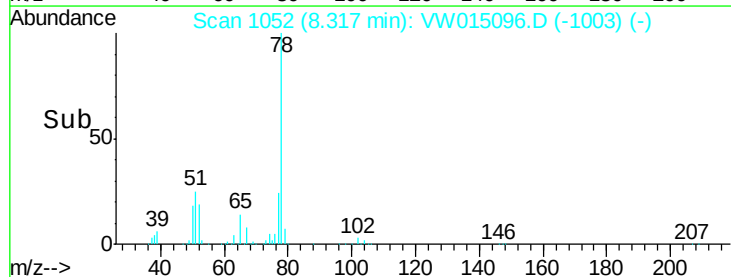
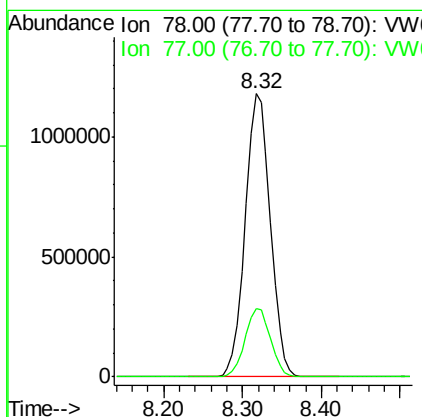
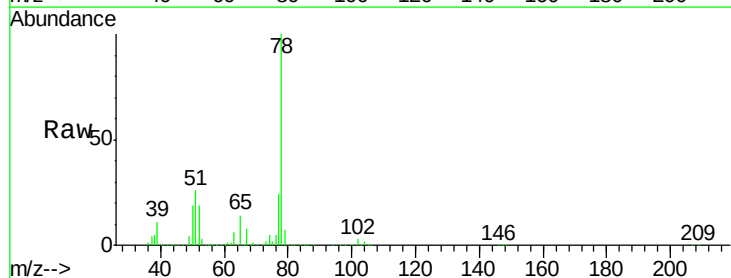
Manual Integrations
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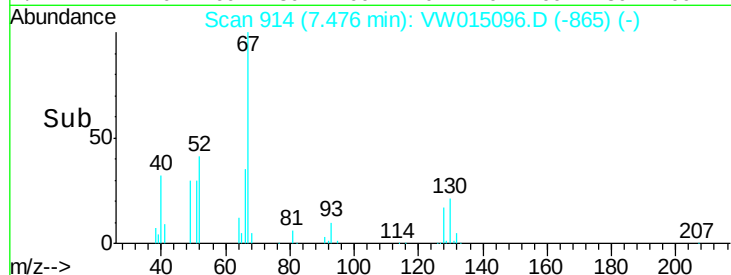
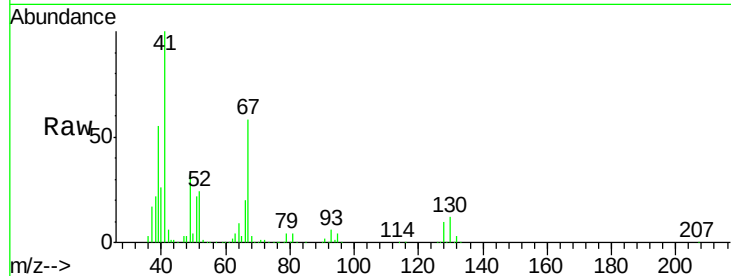
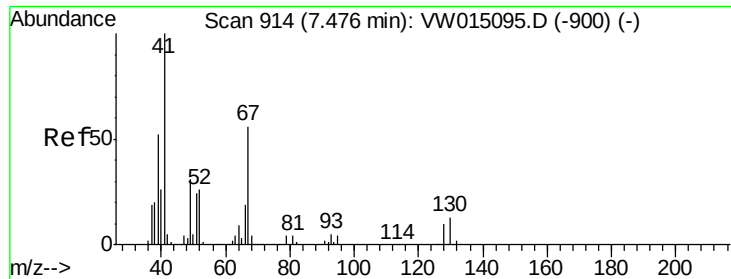
MMDadoda
3/11/2020 3:24:00 PM



#40
Benzene
Concen: 96.598 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.5	29.3





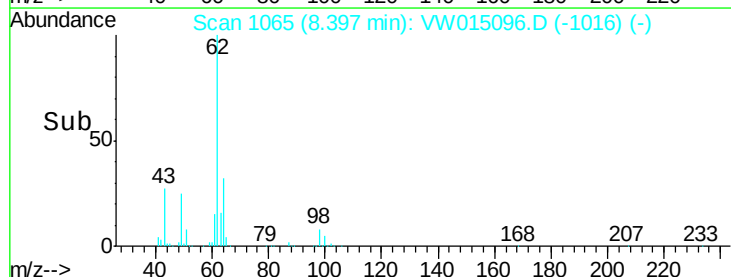
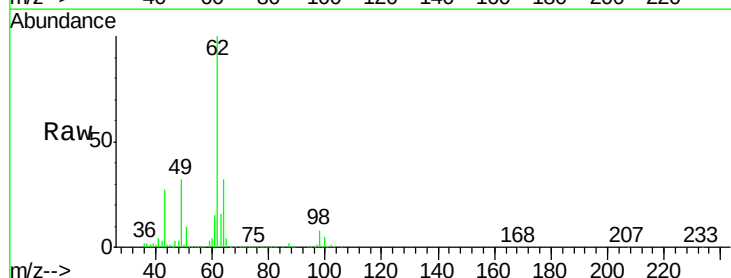
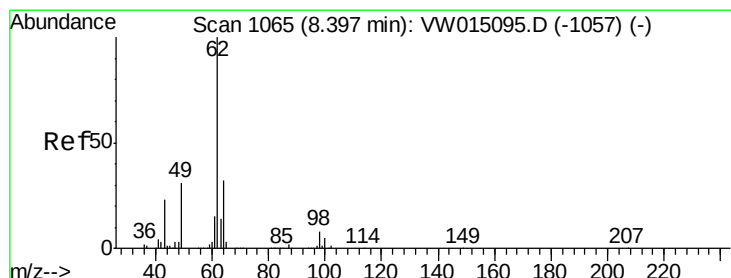
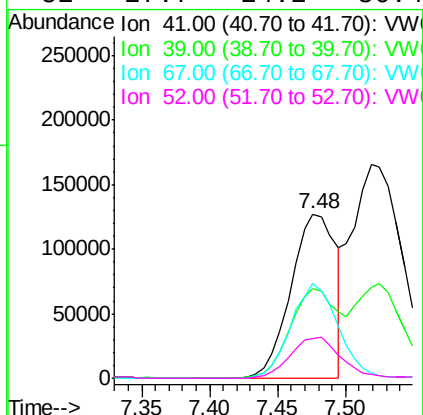
#41
Methacrylonitrile
Concen: 113.384 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	290777		
39	39	60.3		49.0	73.4
67	67	61.4		50.4	75.6
52	52	27.7		24.2	36.4

Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

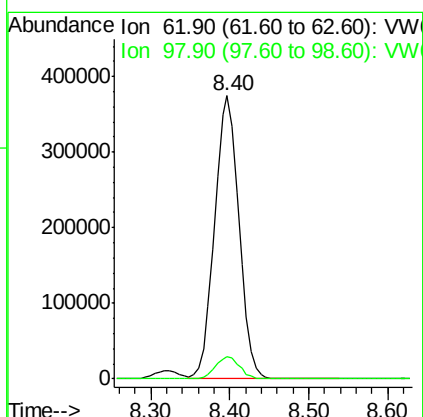
Manual Integrations
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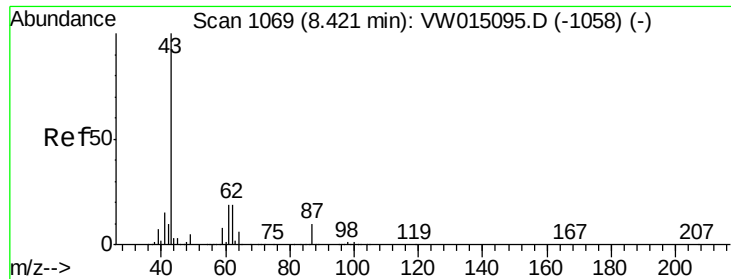
MMDadoda
3/11/2020 3:24:00 PM



#42
1,2-Dichloroethane
Concen: 97.528 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	803390		
98	98	7.9		0.0	16.0





#43

Isopropyl Acetate

Concen: 110.720 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

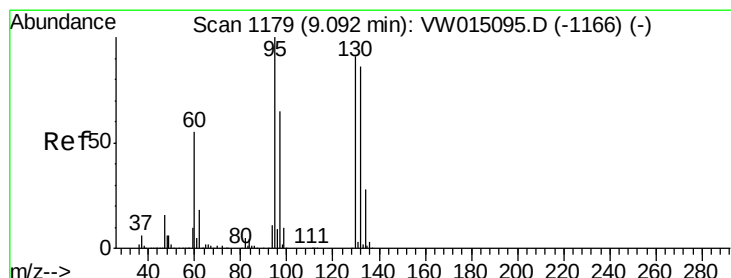
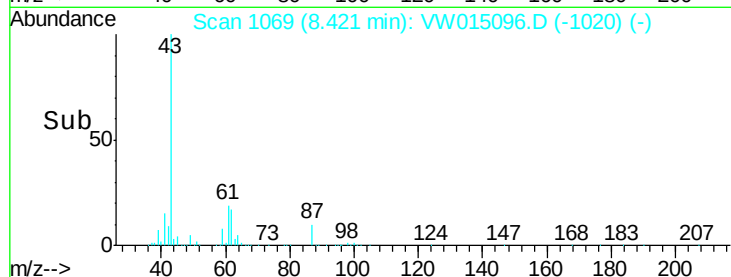
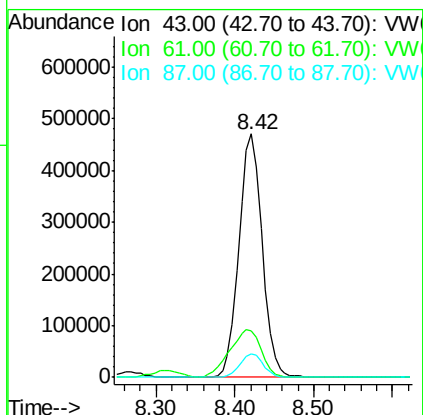
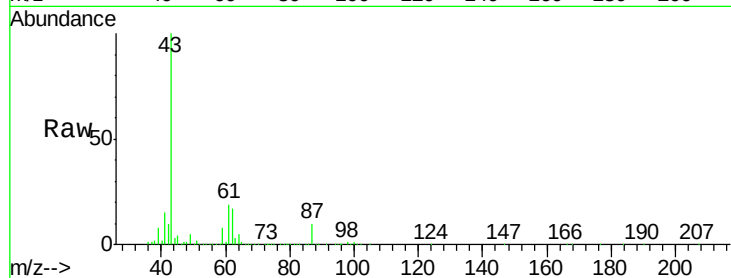
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	962523
Ion	Ratio	Lower	Upper
43	100		
61	26.6	21.8	32.8
87	10.0	8.0	12.0

Manual Integrations
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MMDadoda
3/11/2020 3:24:00 PM



#44

Trichloroethene

Concen: 97.333 ug/l

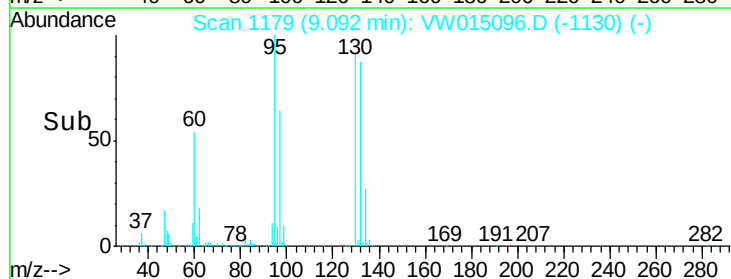
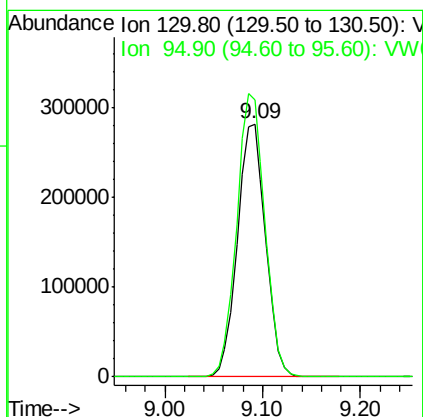
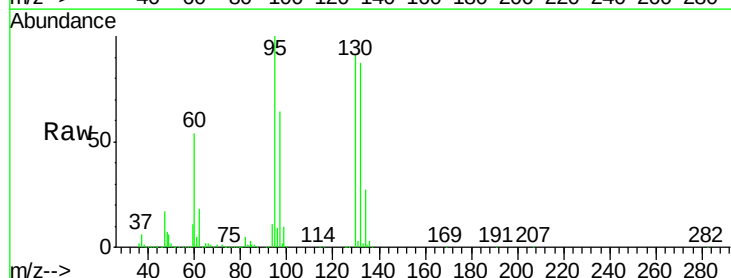
RT: 9.09 min Scan# 1179

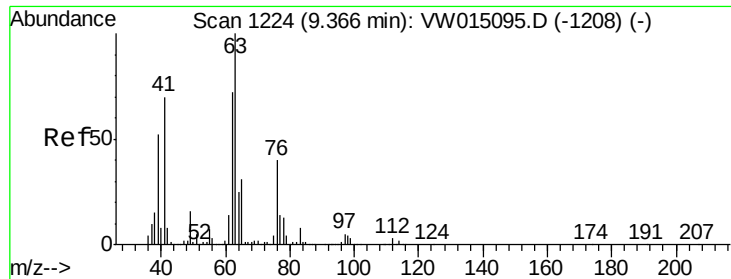
Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Tgt Ion:	130	Resp:	560196
Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	219.8





#45

1,2-Dichloropropane

Concen: 97.722 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 711571

Ion Ratio Lower Upper

63 100

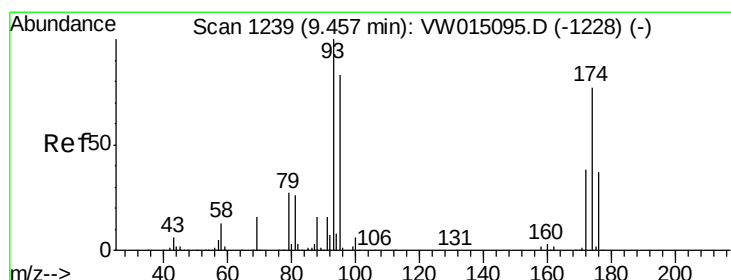
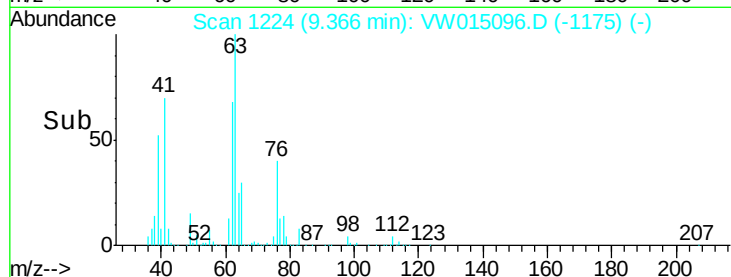
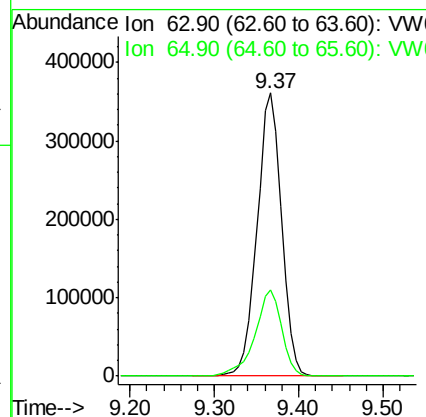
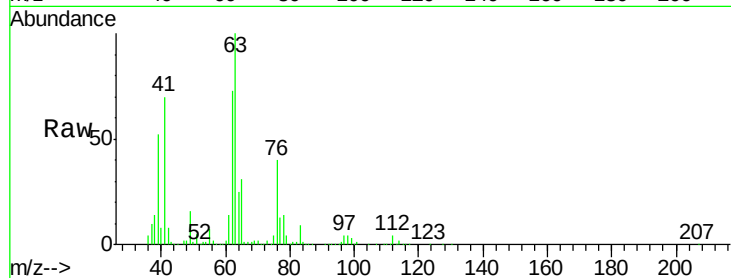
65 30.6 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 98.728 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

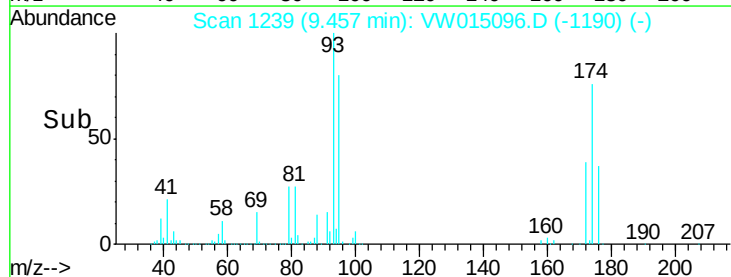
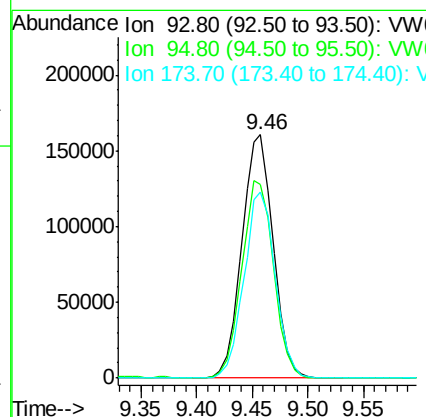
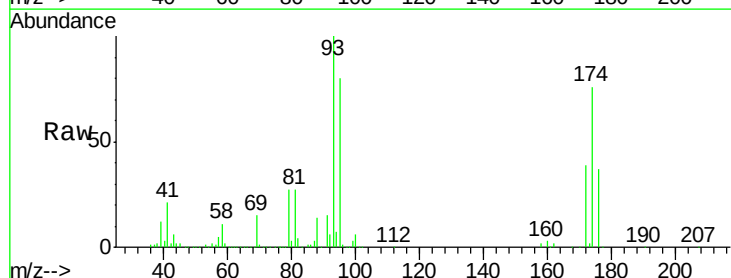
Tgt Ion: 93 Resp: 312592

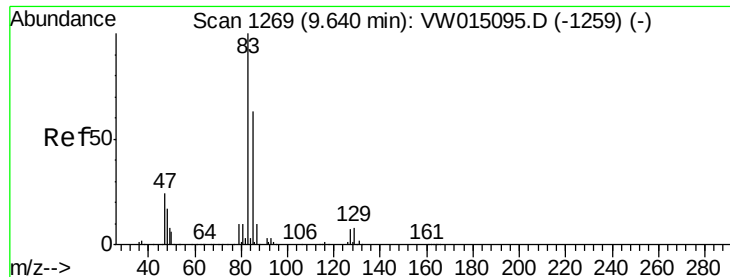
Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

174 76.5 60.6 91.0





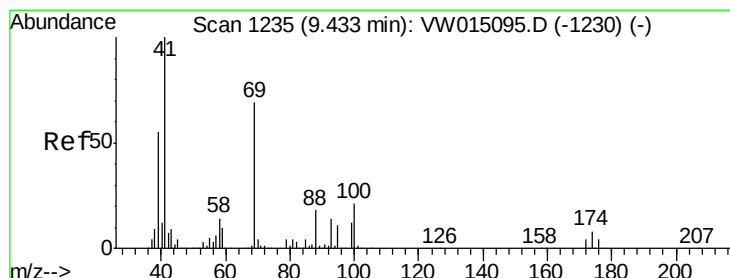
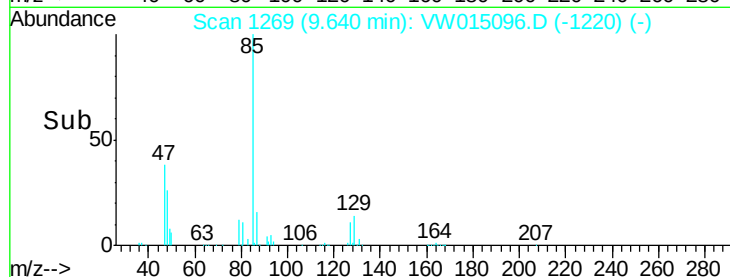
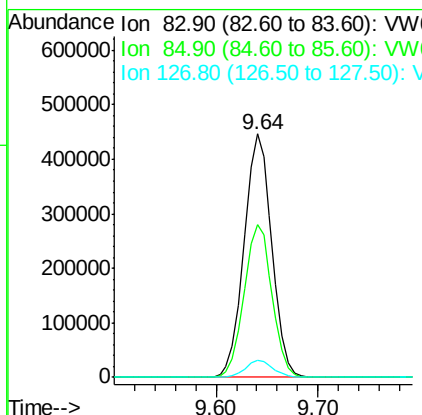
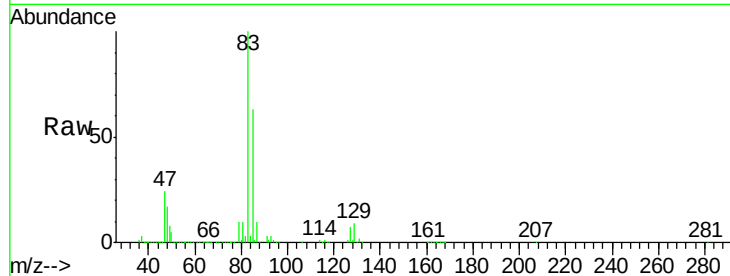
#47
Bromodichloromethane
Concen: 99.382 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	840088
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	50.7	76.1
127	7.0	5.5	8.3

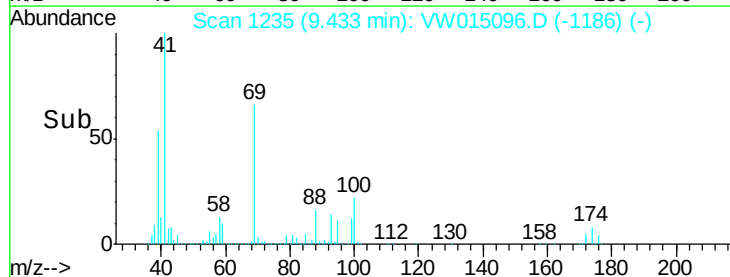
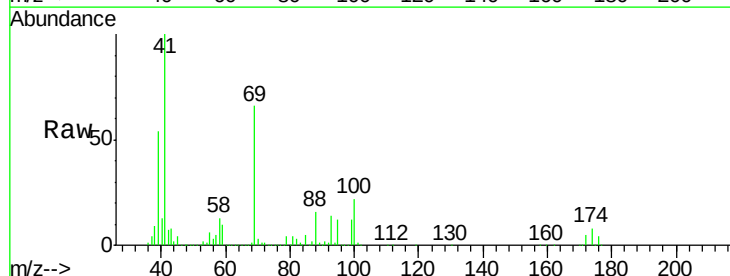
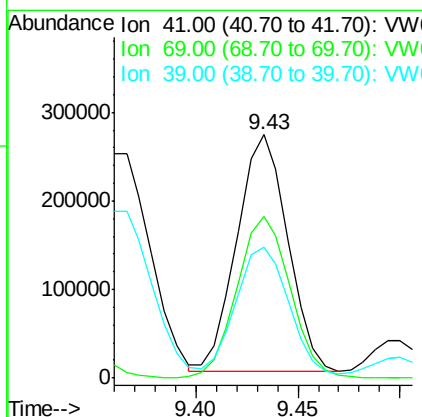
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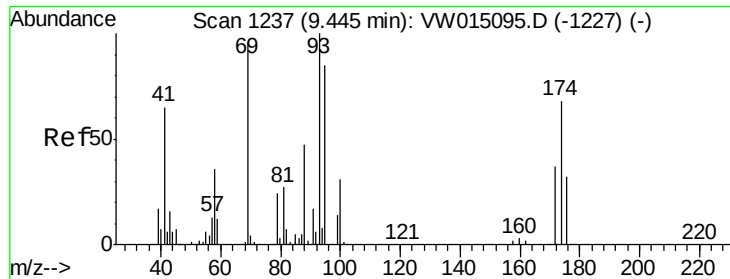
MMDadoda
3/11/2020 3:24:00 PM



#48
Methyl methacrylate
Concen: 115.100 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	41	Resp	461797
Ion Ratio	100	Lower	Upper
41	100		
69	72.2	58.7	88.1
39	55.1	45.1	67.7





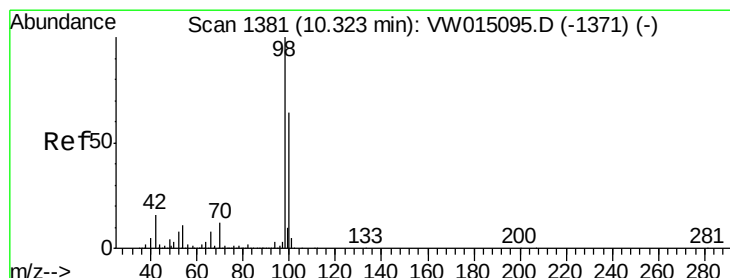
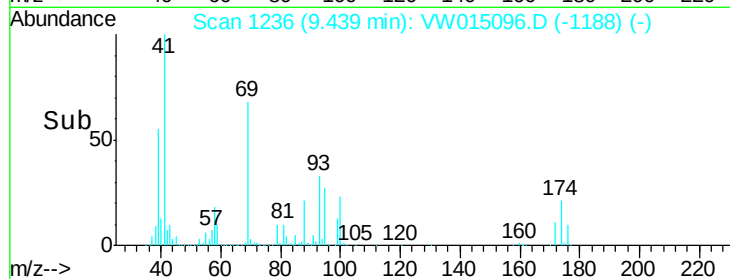
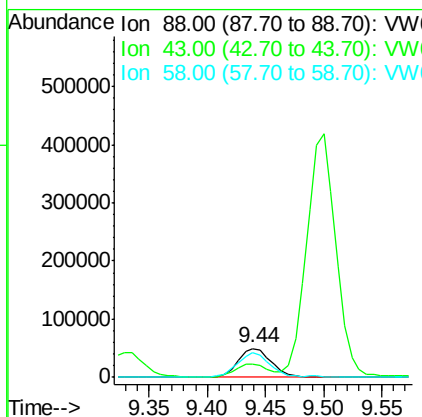
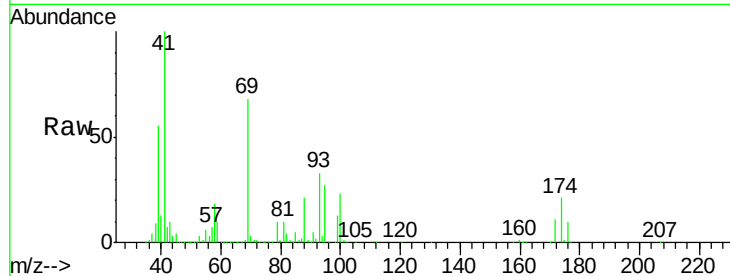
#49
1,4-Dioxane
Concen: 2045.591 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	88	Resp	99161
Ion Ratio	Lower	Upper	
88	100		
43	46.6	35.8	53.8
58	86.8	64.0	96.0

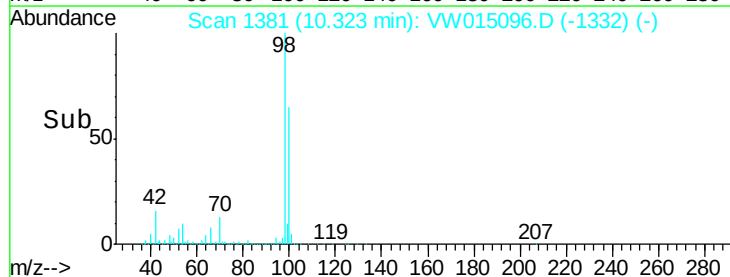
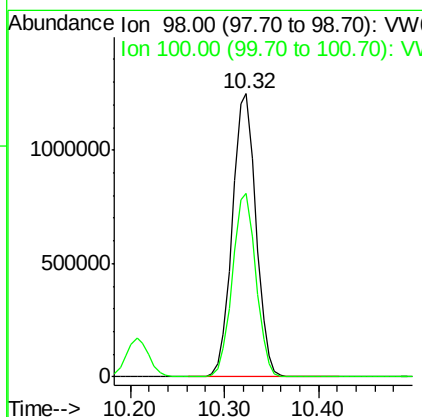
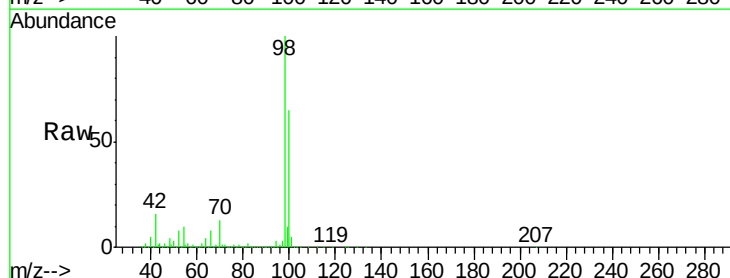
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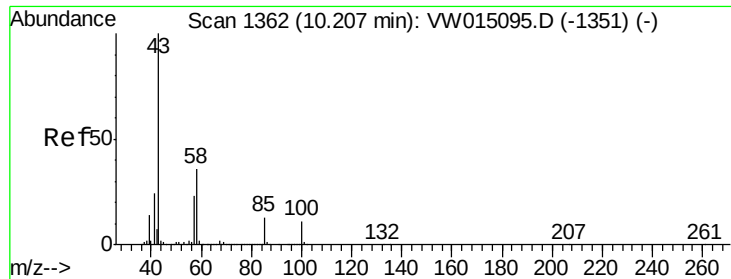
MMDadoda
3/11/2020 3:24:00 PM



#50
Toluene-d8
Concen: 103.372 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	98	Resp	2174371
Ion Ratio	Lower	Upper	
98	100		
100	64.7	52.2	78.2





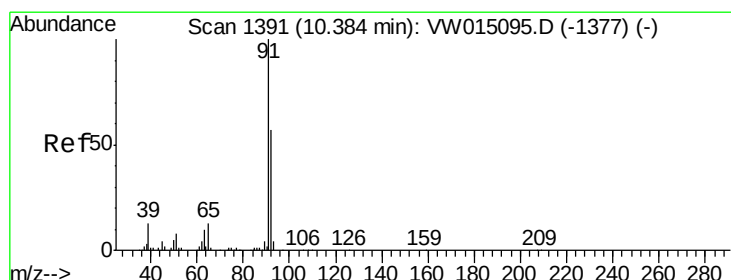
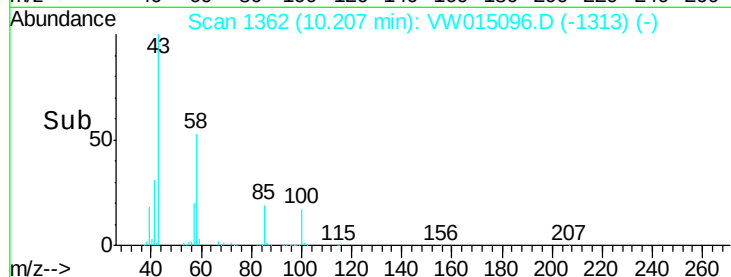
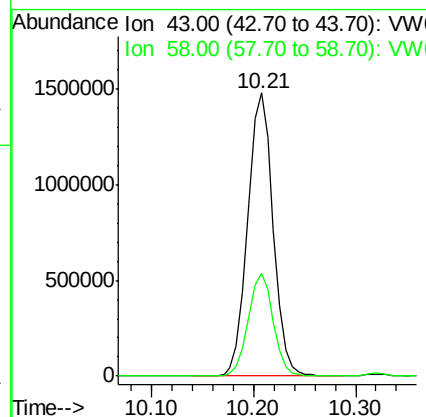
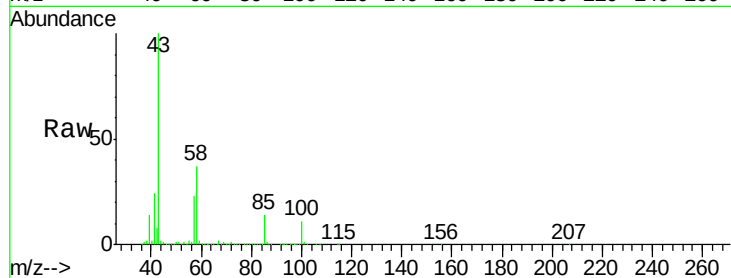
#51
 4-Methyl-2-Pentanone
 Concen: 533.282 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 2560666
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.0 42.0

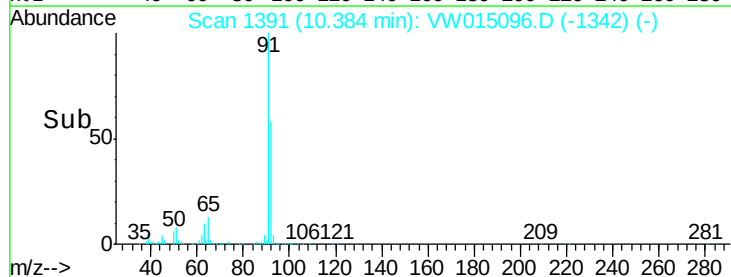
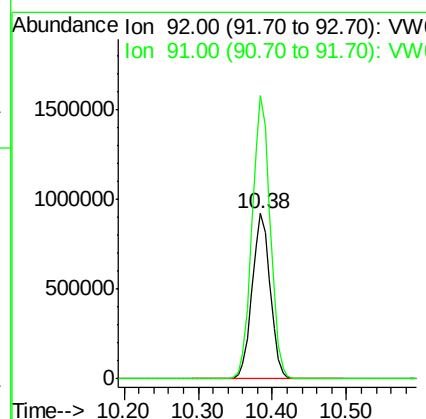
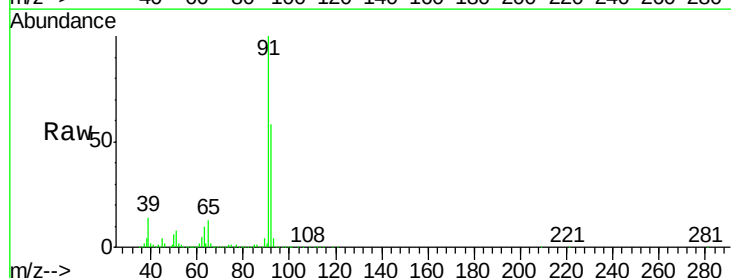
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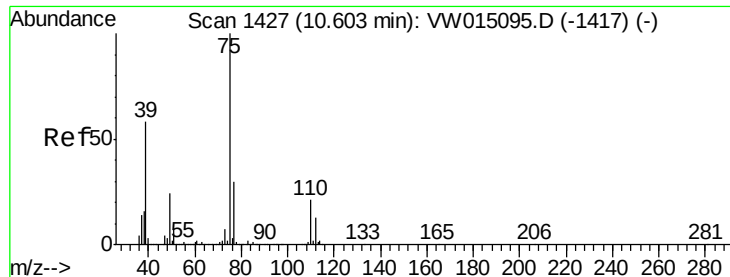
MMDadoda
 3/11/2020 3:24:00 PM



#52
 Toluene
 Concen: 100.738 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Tgt Ion: 92 Resp: 1564728
 Ion Ratio Lower Upper
 92 100
 91 172.1 138.9 208.3





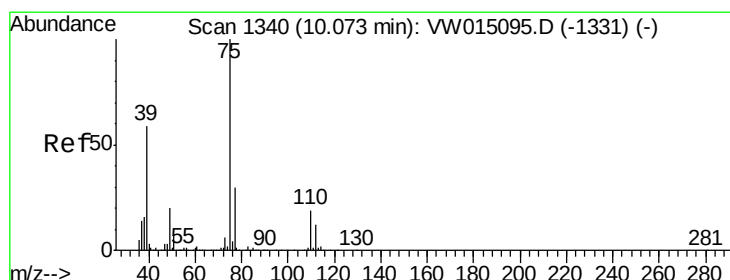
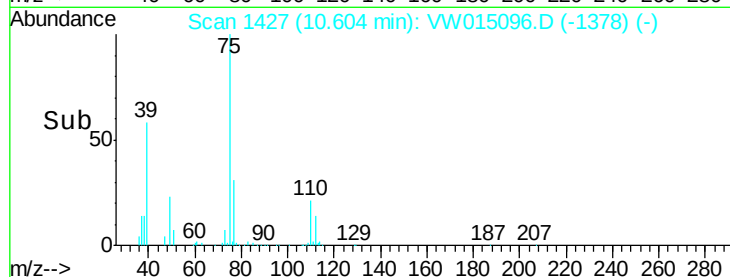
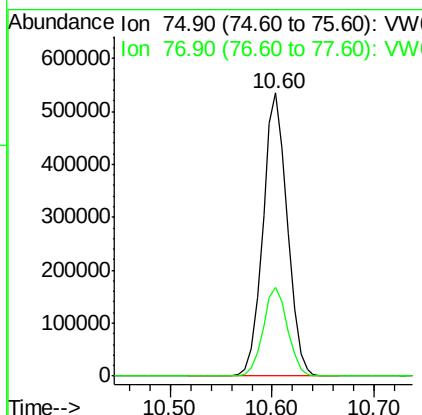
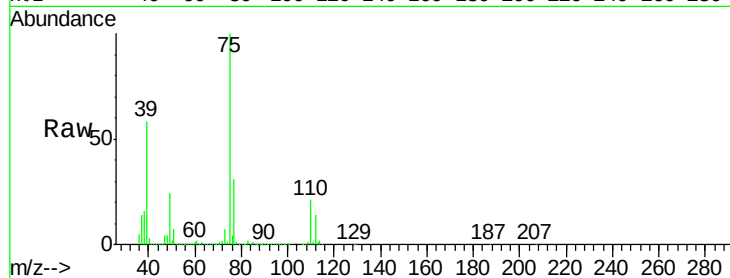
#53
t-1,3-Dichloropropene
Concen: 106.577 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.4	36.6

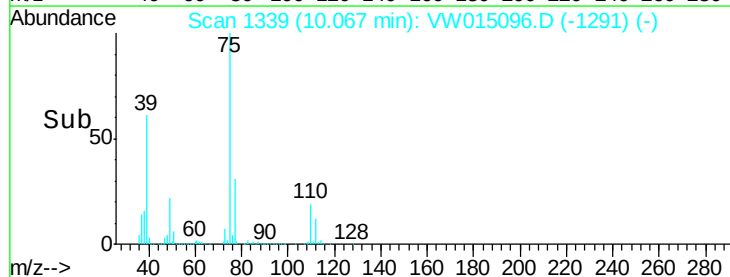
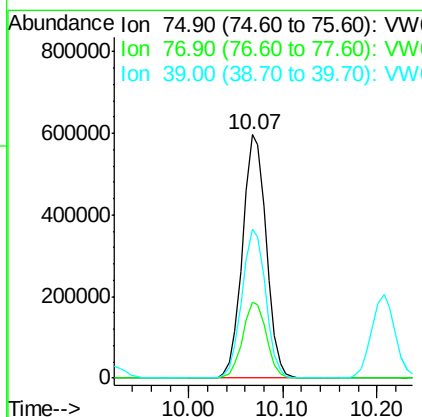
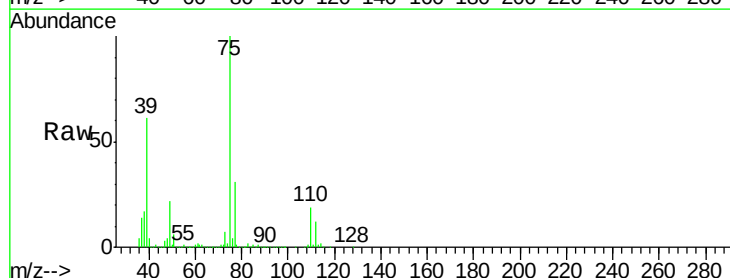
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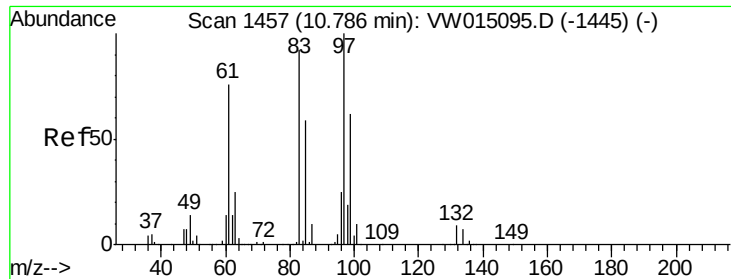
MMDadoda
3/11/2020 3:24:00 PM



#54
cis-1,3-Dichloropropene
Concen: 103.674 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.3	36.5
39	60.9	47.0	70.6





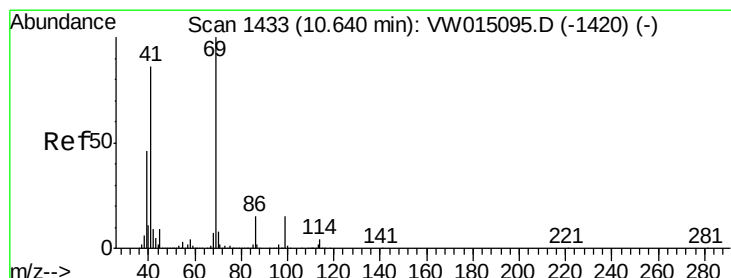
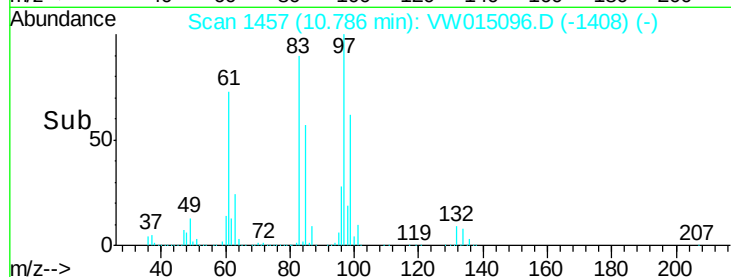
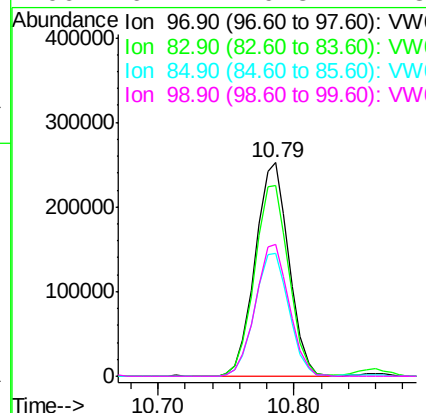
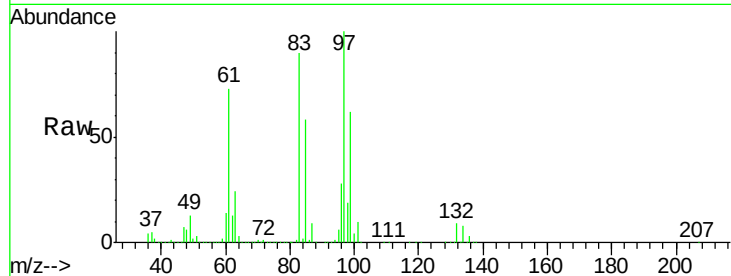
#55
 1,1,2-Trichloroethane
 Concen: 101.065 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	438464
Ion	Ratio	Lower	Upper
97	100		
83	89.6	74.0	111.0
85	57.5	46.9	70.3
99	61.7	49.8	74.8

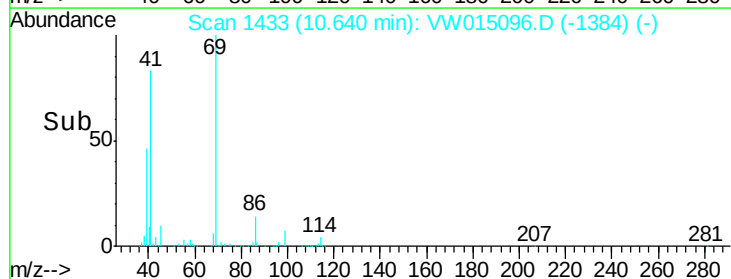
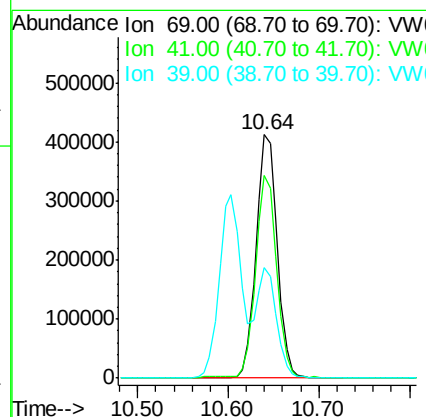
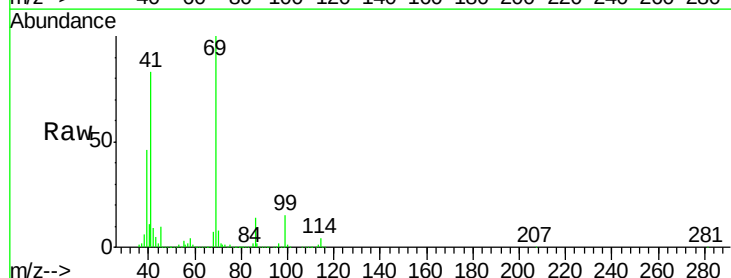
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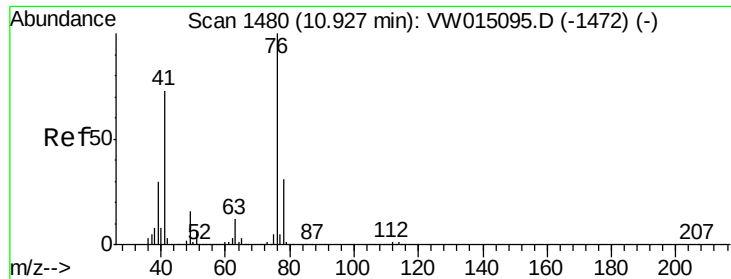
MMDadoda
 3/11/2020 3:24:00 PM



#56
 Ethyl methacrylate
 Concen: 118.763 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Tgt Ion:	69	Resp:	664833
Ion	Ratio	Lower	Upper
69	100		
41	82.2	65.8	98.6
39	44.1	31.2	46.8





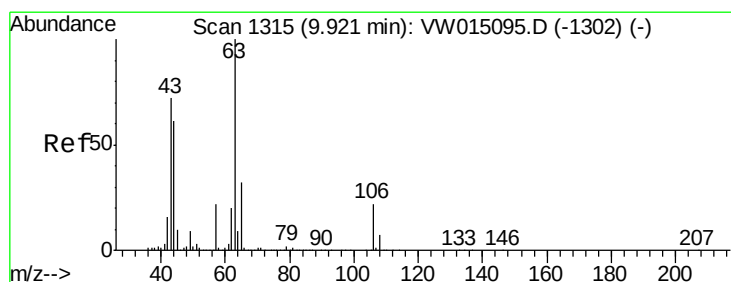
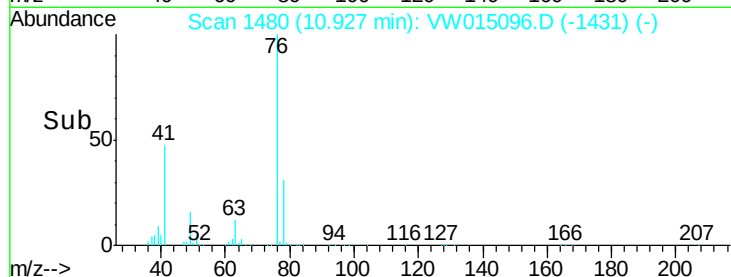
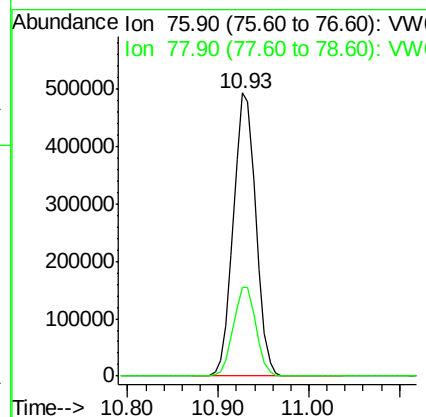
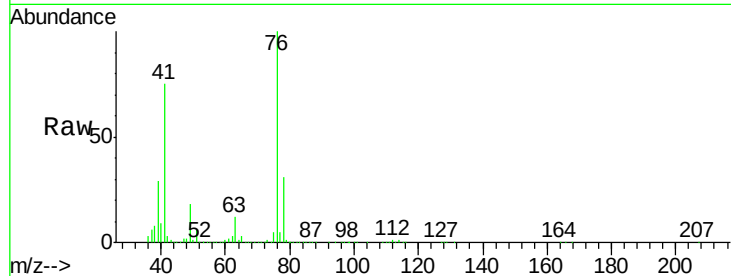
#57
 1,3-Dichloropropane
 Concen: 102.748 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 848664
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.3 37.9

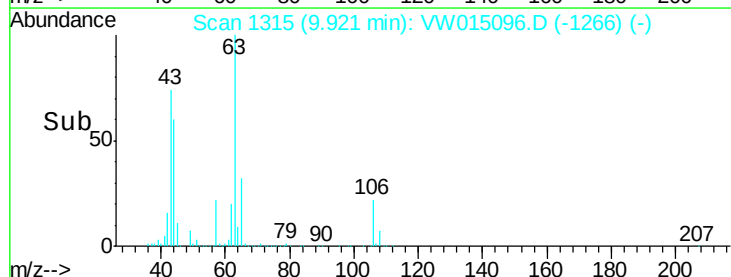
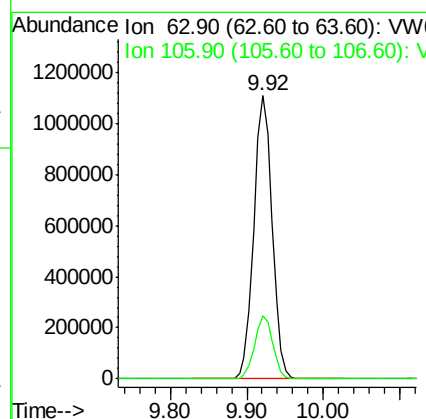
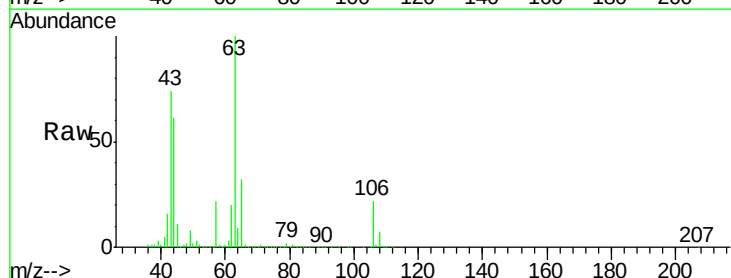
Manual Integrations
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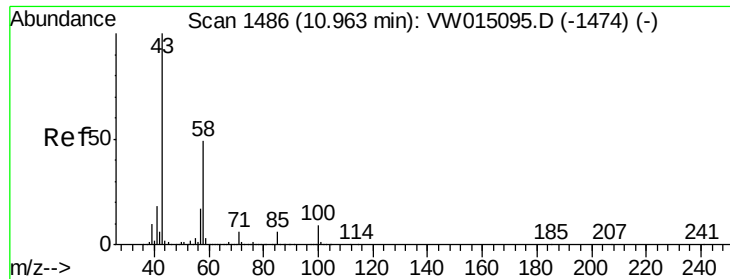
MMDadoda
 3/11/2020 3:24:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 562.910 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Tgt Ion: 63 Resp: 1848923
 Ion Ratio Lower Upper
 63 100
 106 22.3 18.0 27.0





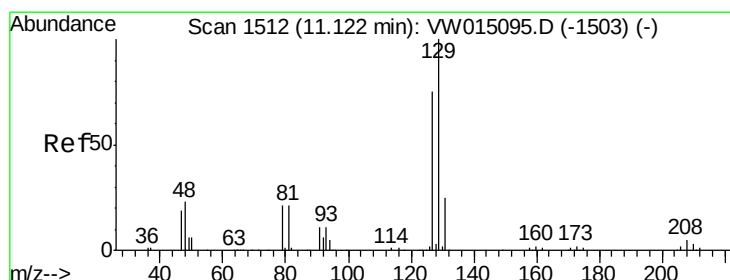
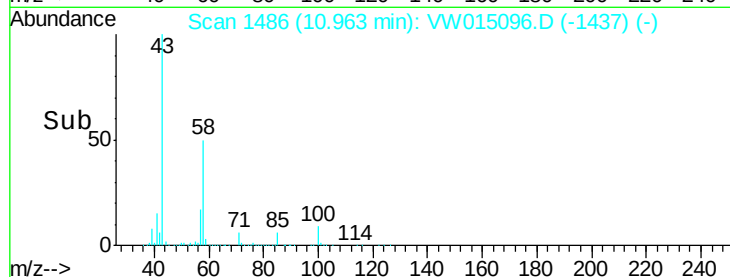
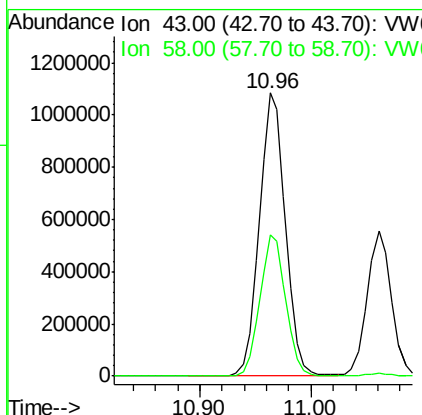
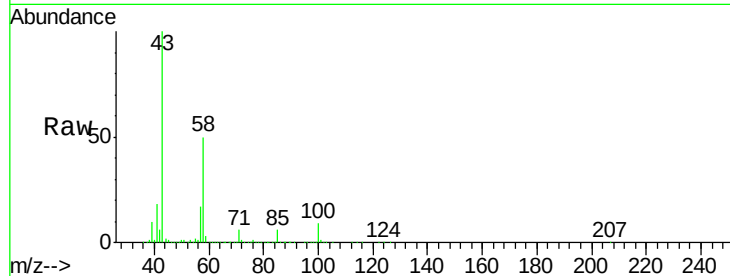
#59
2-Hexanone
Concen: 587.825 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1763033
Ion Ratio Lower Upper
43 100
58 49.7 24.6 73.8

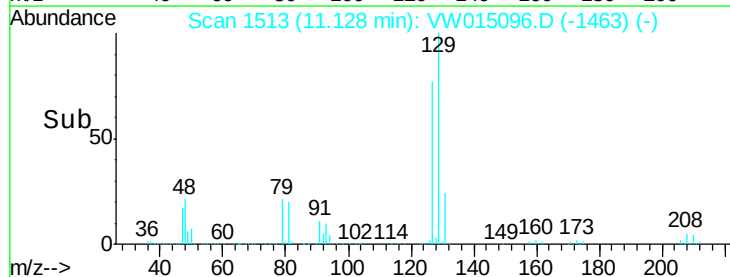
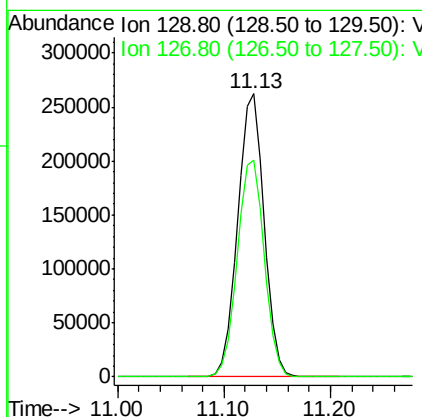
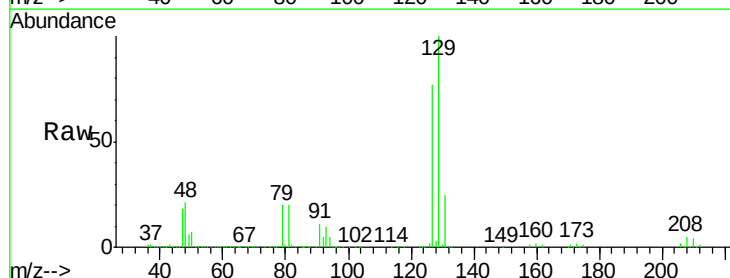
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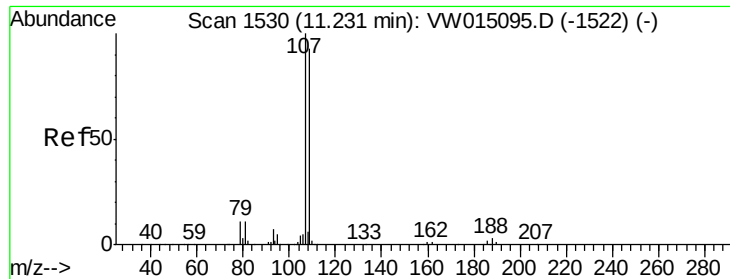
MMDadoda
3/11/2020 3:24:00 PM



#60
Dibromochloromethane
Concen: 102.312 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion: 129 Resp: 458437
Ion Ratio Lower Upper
129 100
127 78.4 38.7 116.1





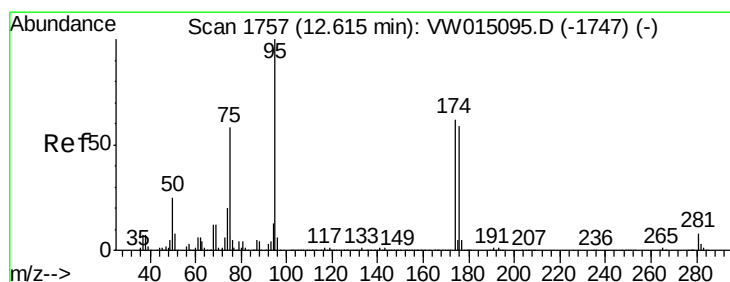
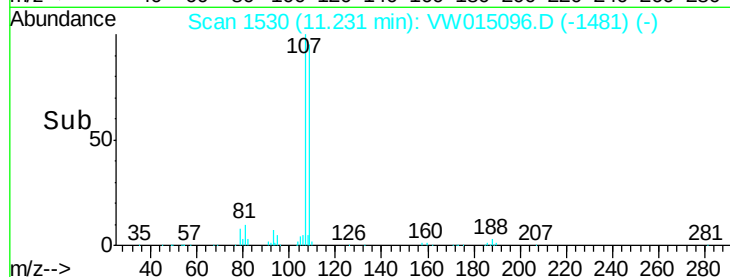
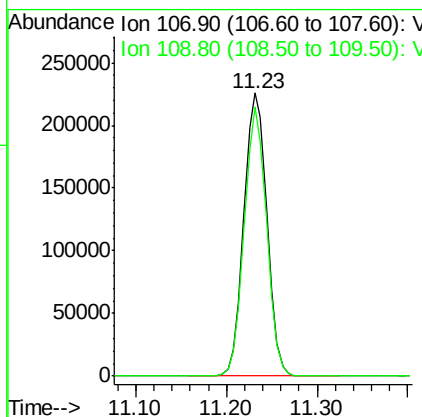
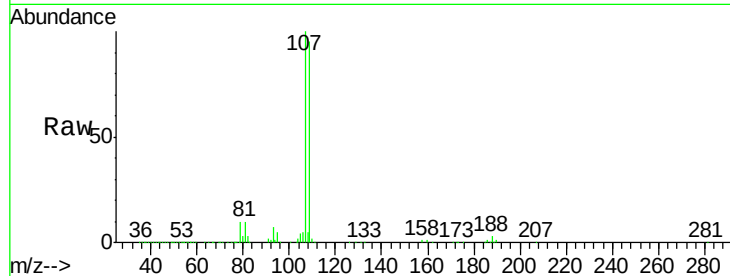
#61
 1,2-Dibromoethane
 Concen: 103.285 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.3	112.9

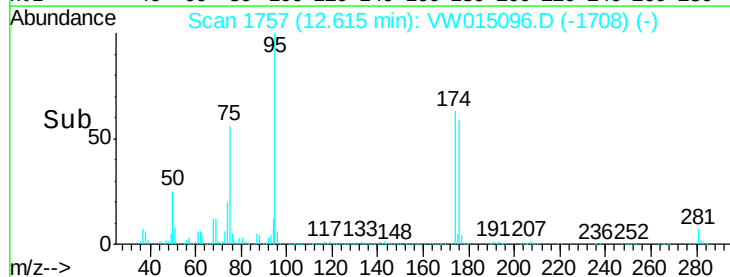
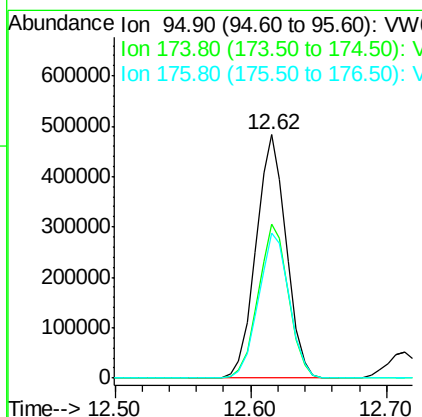
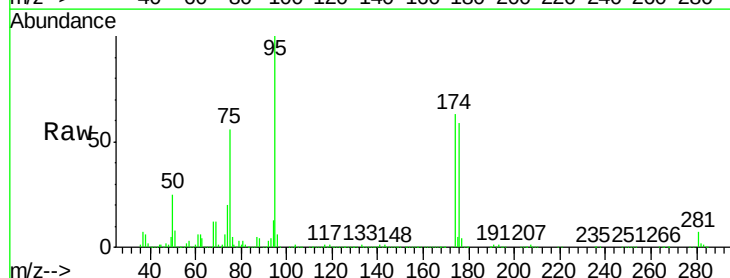
Manual Integrations
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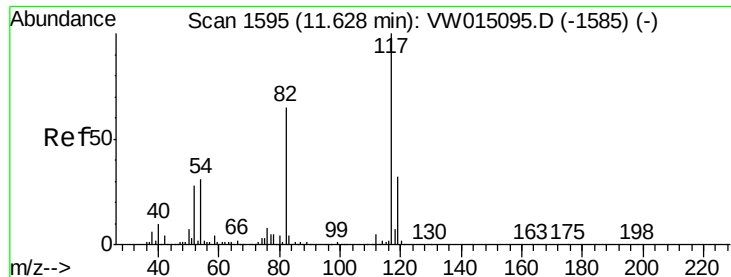
MMDadoda
 3/11/2020 3:24:00 PM



#62
 4-Bromofluorobenzene
 Concen: 107.776 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.2	0.0	126.8
176	60.7	0.0	121.6





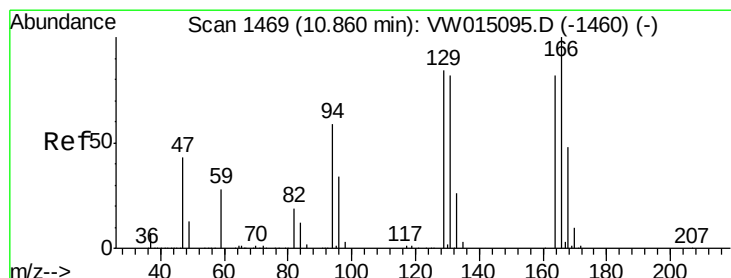
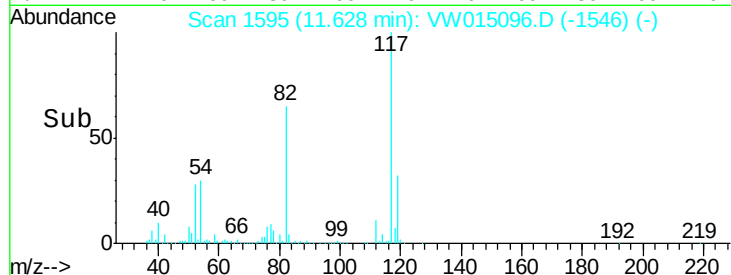
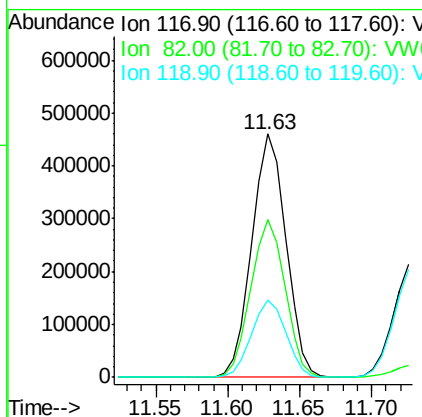
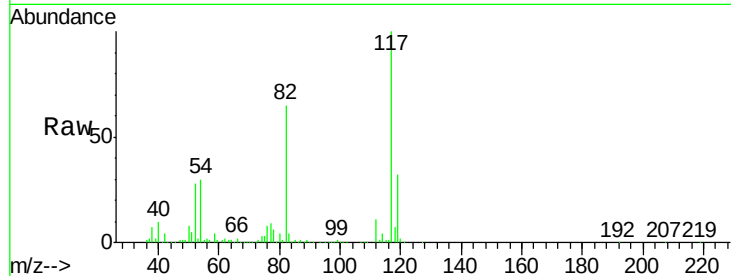
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.0	52.2	78.2
119	31.6	25.4	38.0

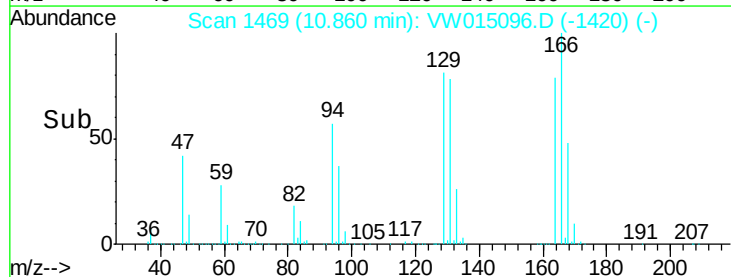
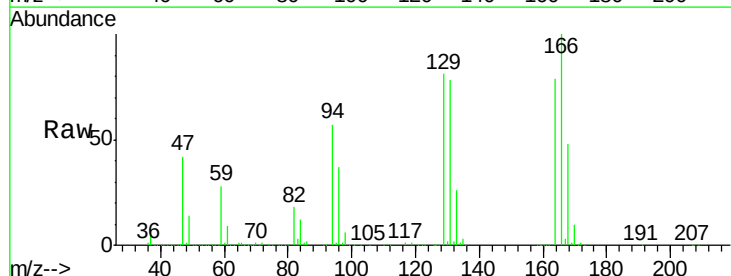
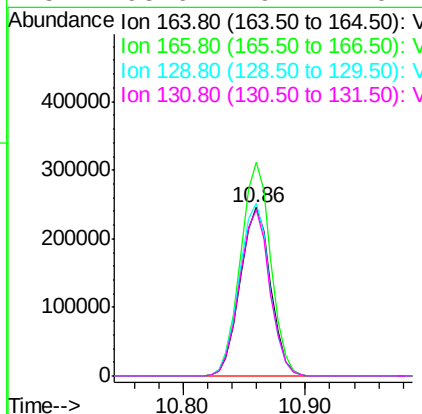
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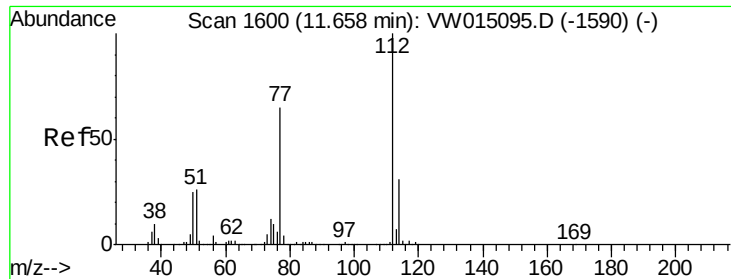
MMDadoda
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#64
Tetrachloroethene
Concen: 96.658 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	97.0	145.6
129	102.6	81.2	121.8
131	98.6	79.4	119.2





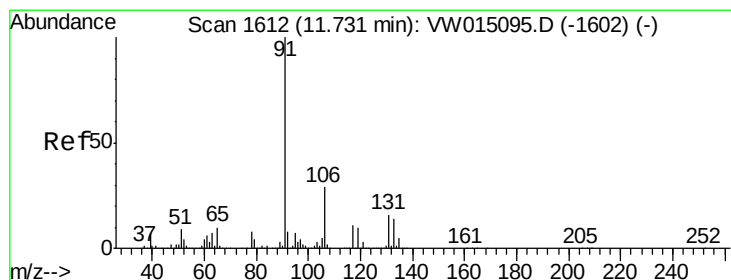
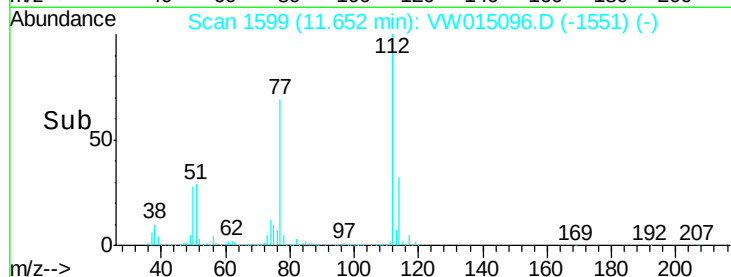
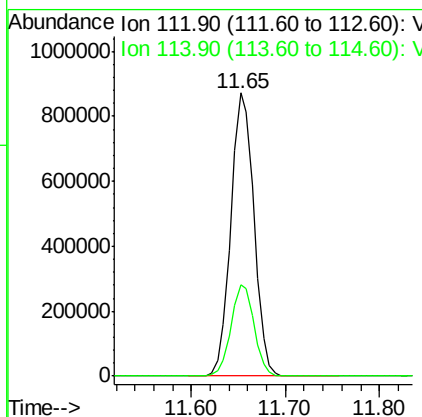
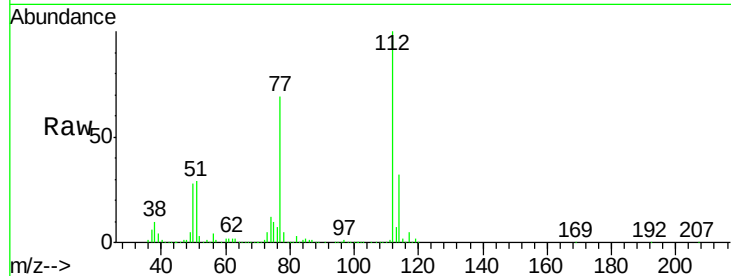
#65
Chlorobenzene
Concen: 97.603 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1481811
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.6

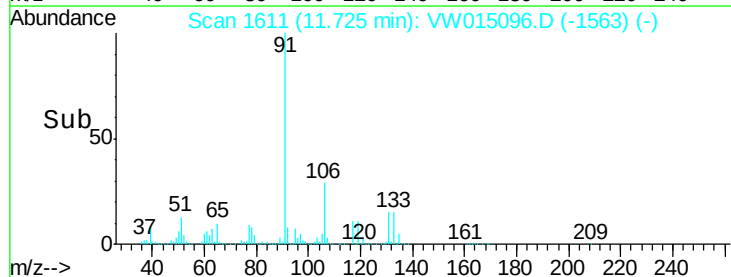
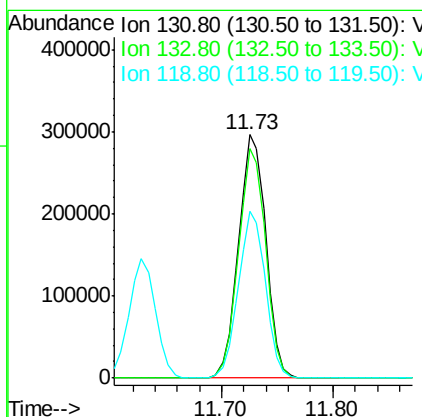
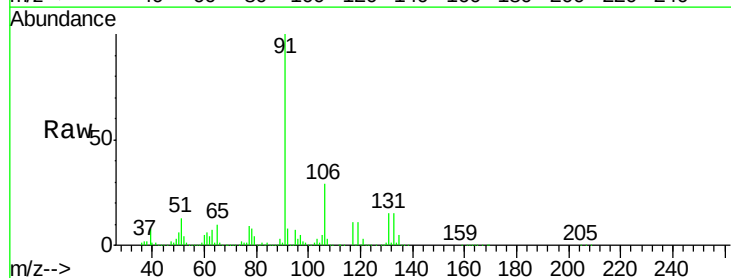
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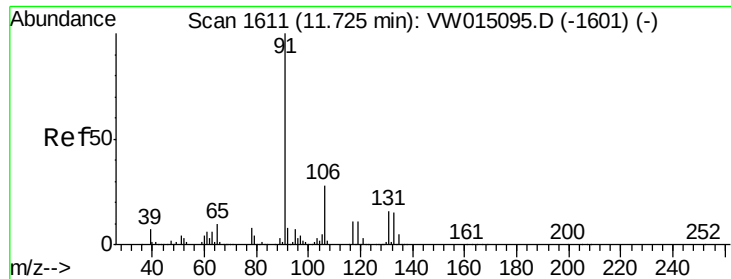
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 99.731 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion:131 Resp: 504204
Ion Ratio Lower Upper
131 100
133 93.7 47.3 141.8
119 67.9 34.0 101.8





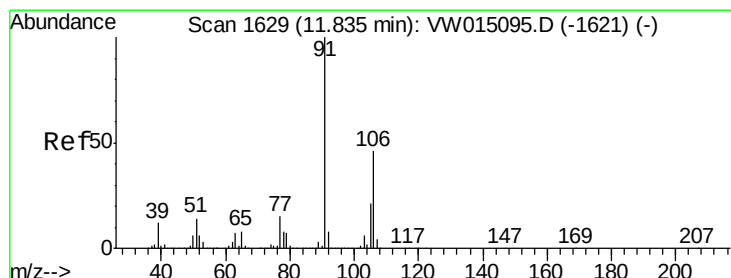
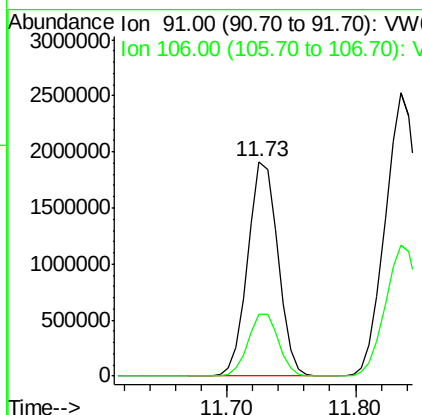
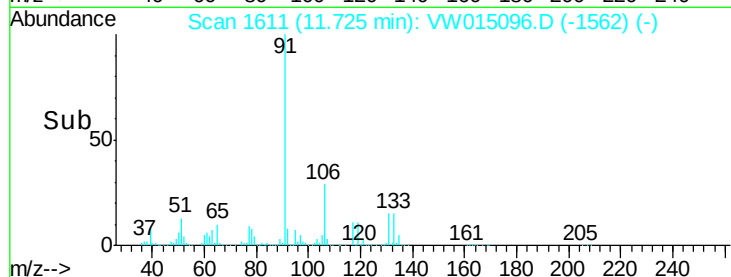
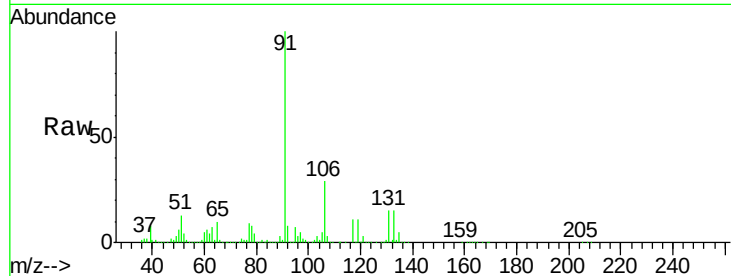
#67
Ethyl Benzene
Concen: 104.152 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 3076990
Ion Ratio Lower Upper
91 100
106 29.1 22.8 34.2

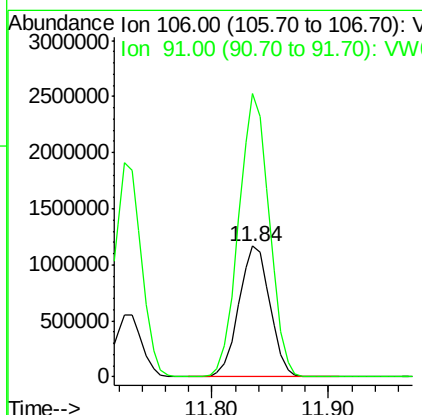
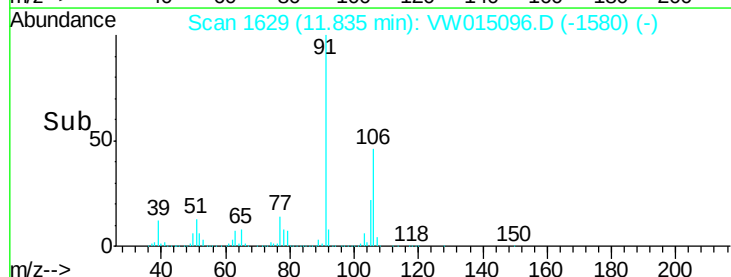
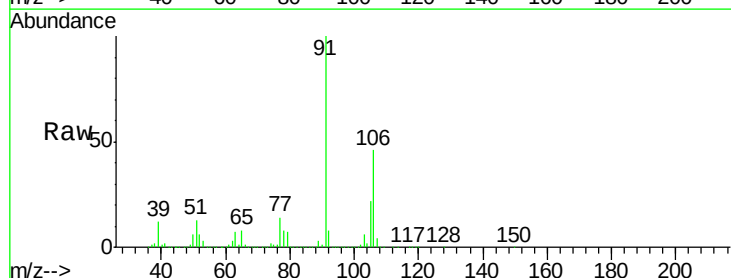
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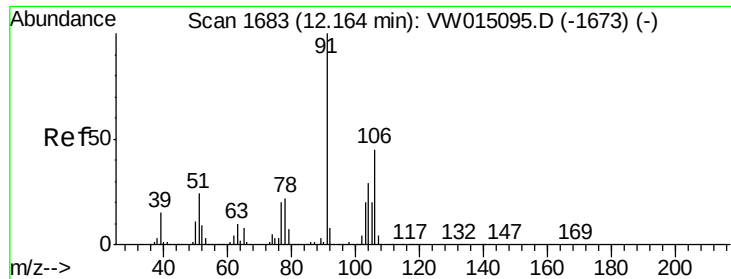
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3/11/2020 3:24:00 PM



#68
m/p-Xylenes
Concen: 206.778 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion: 106 Resp: 2159598
Ion Ratio Lower Upper
106 100
91 214.1 172.3 258.5





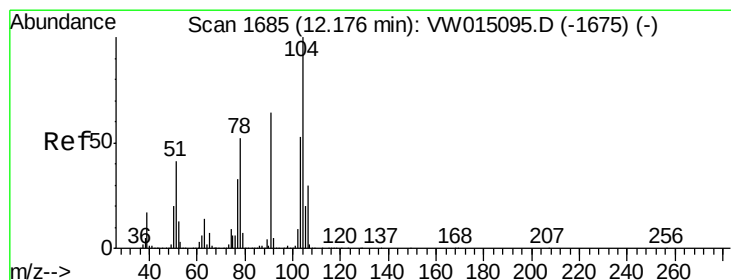
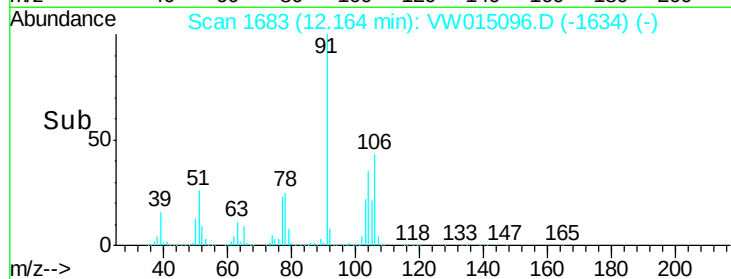
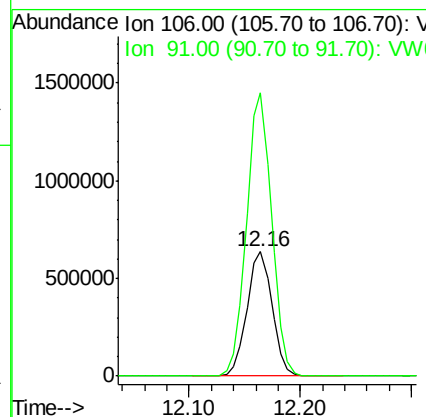
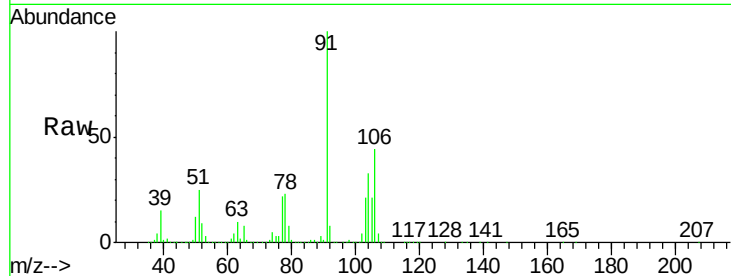
#69
o-Xylene
Concen: 106.007 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 997316
Ion Ratio Lower Upper
106 100
91 227.1 112.6 337.8

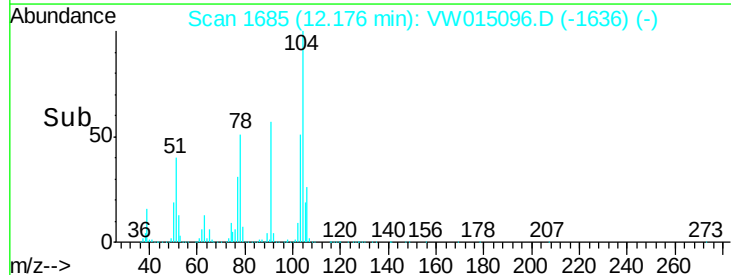
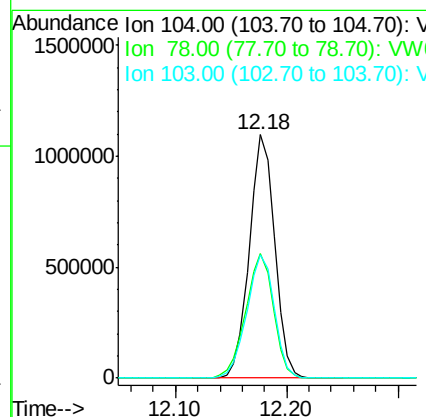
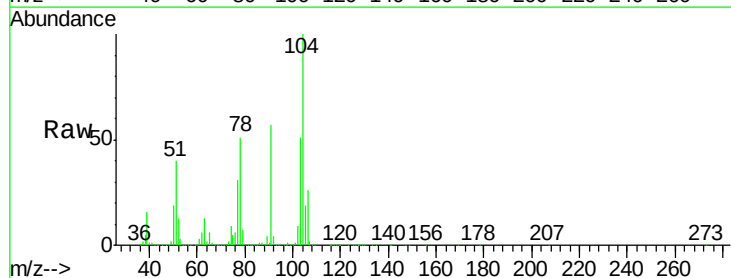
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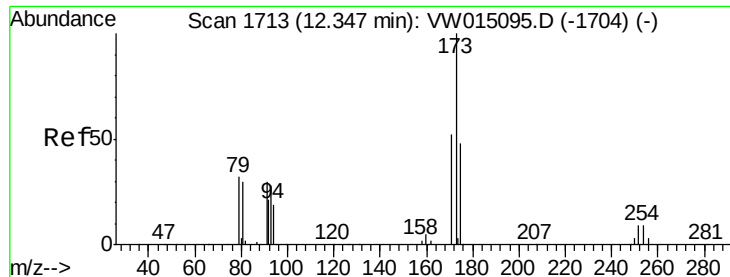
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3/11/2020 3:24:00 PM



#70
Styrene
Concen: 107.931 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion:104 Resp: 1739888
Ion Ratio Lower Upper
104 100
78 55.9 44.7 67.1
103 54.9 44.7 67.1





#71

Bromoform

Concen: 105.589 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

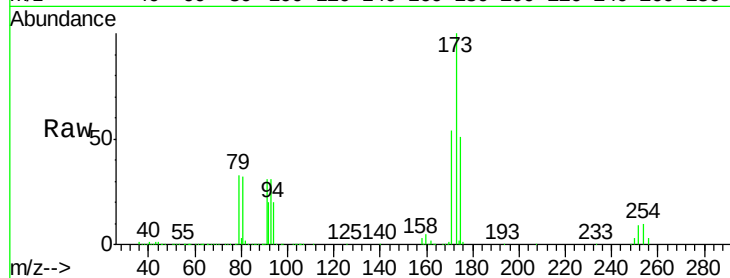
ClientSampleId :

VSTDIC100

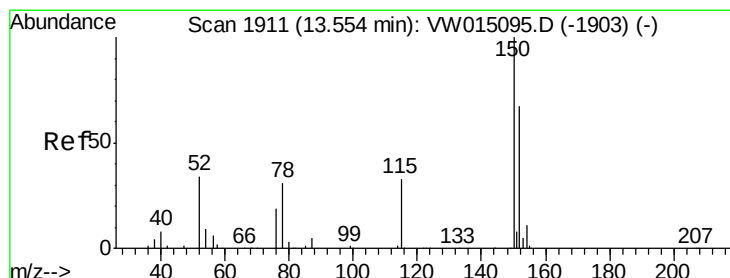
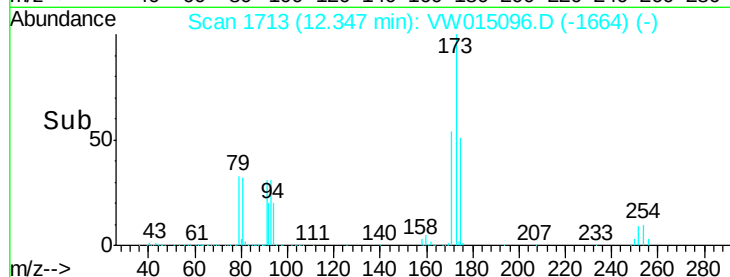
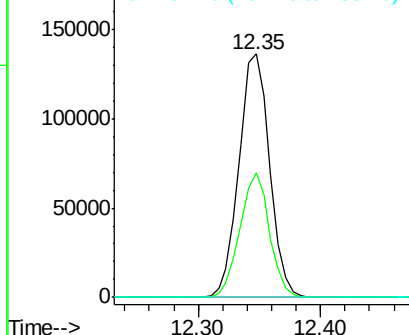
Tot Ion:	173	Resp:	236902
Ion Ratio	Lower	Upper	
173	100		
175	49.2	23.8	71.4
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

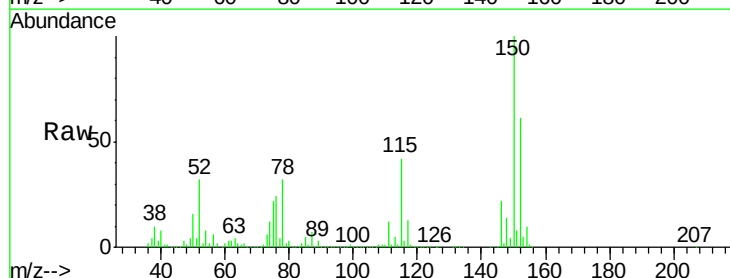
RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

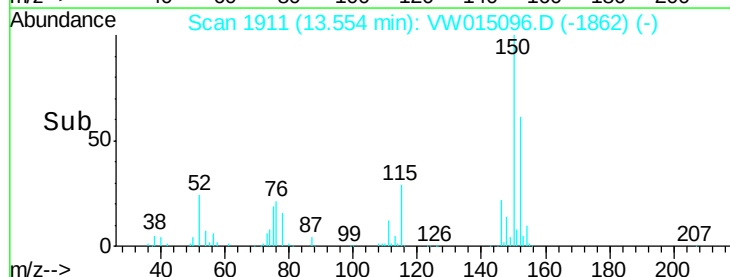
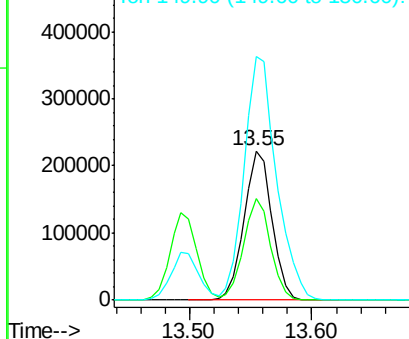
Lab File: VW015096.D

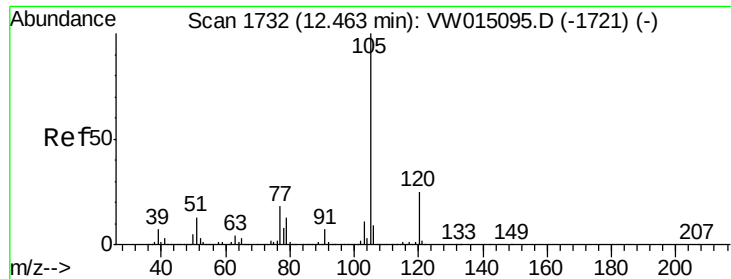
Acq: 09 Mar 2020 12:21

Tgt Ion:	152	Resp:	350762
Ion Ratio	Lower	Upper	
152	100		
115	65.4	33.3	99.9
150	190.1	0.0	351.2



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





#73

Isopropylbenzene

Concen: 105.571 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2828678

Ion Ratio Lower Upper

105 100

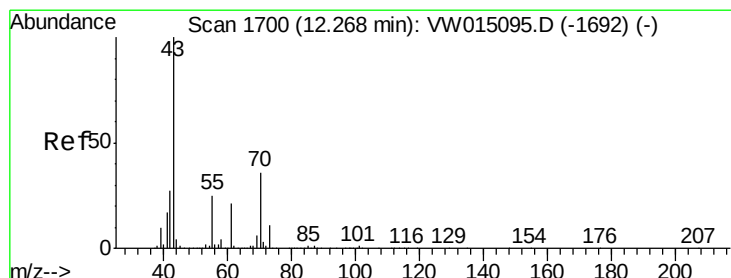
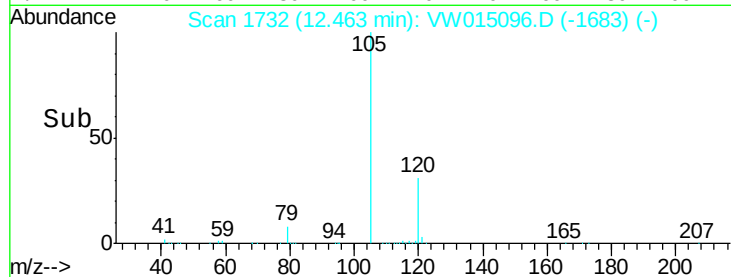
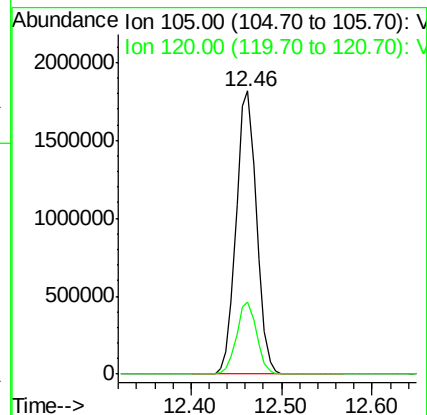
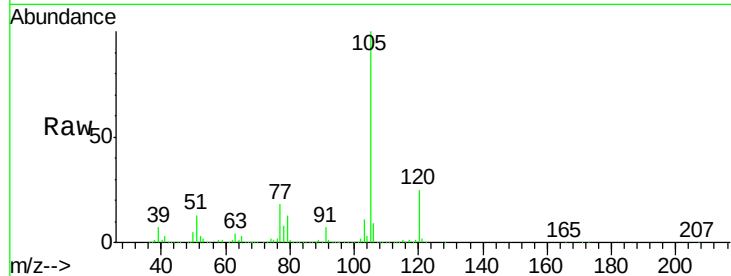
120 25.0 12.6 37.8

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#74

N-ethyl acetate

Concen: 117.668 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Tgt Ion: 43 Resp: 931754

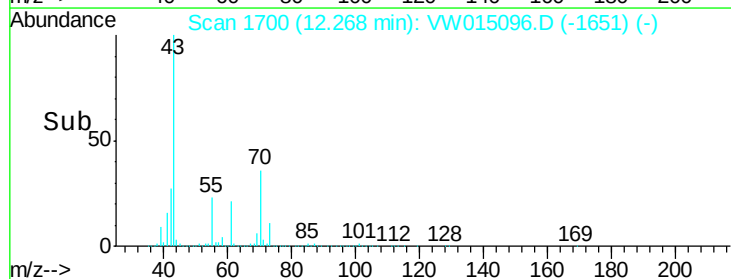
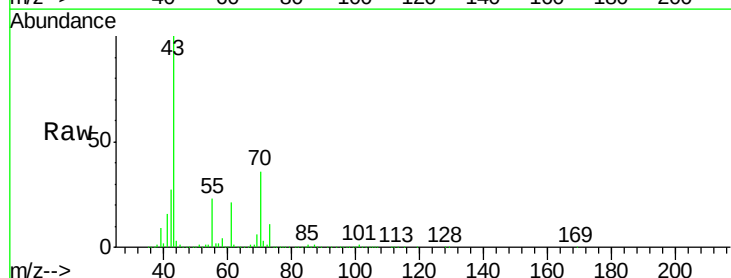
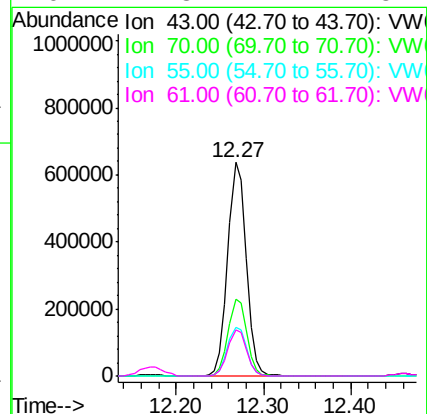
Ion Ratio Lower Upper

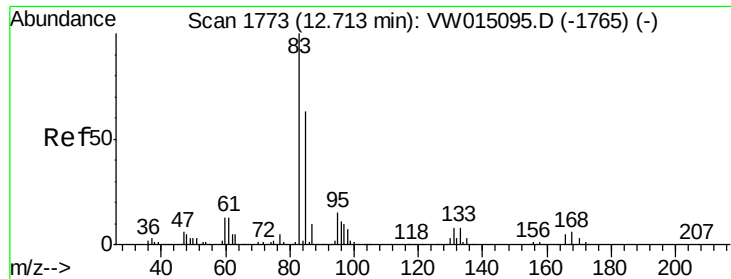
43 100

70 36.5 29.4 44.2

55 24.0 20.3 30.5

61 21.8 17.1 25.7





#75

1,1,2,2-Tetrachloroethane

Concen: 102.417 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

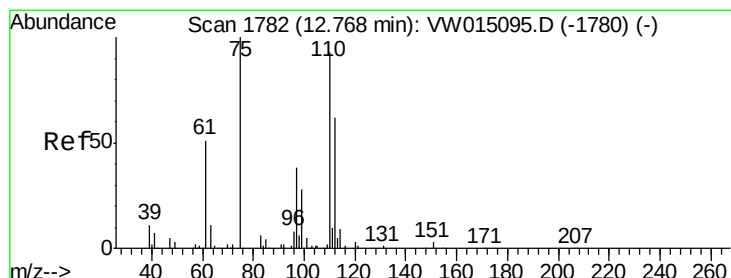
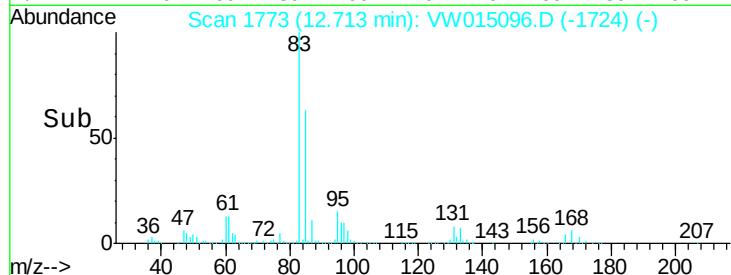
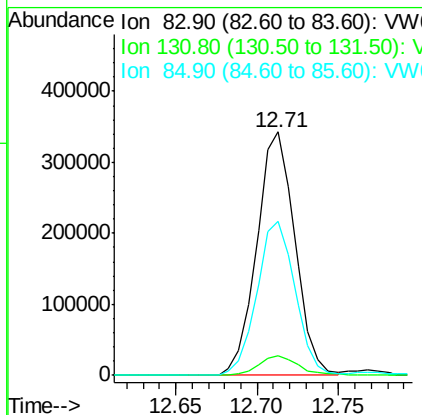
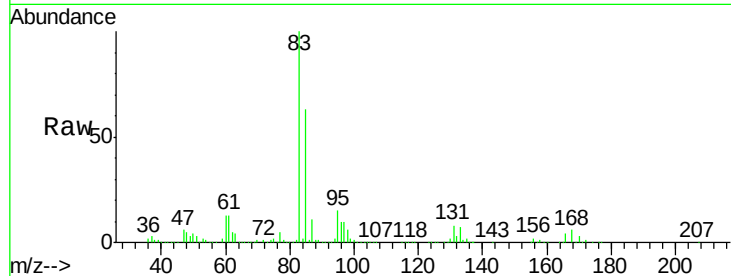
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	557236
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.3	13.1
85	63.6	31.5	94.5

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#76

1,2,3-Trichloropropane

Concen: 66.110 ug/l m

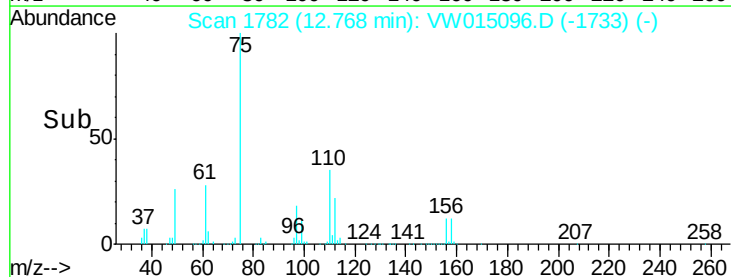
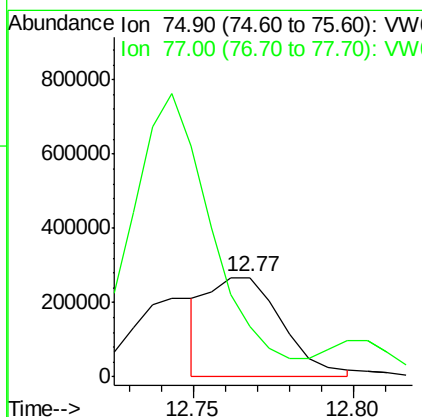
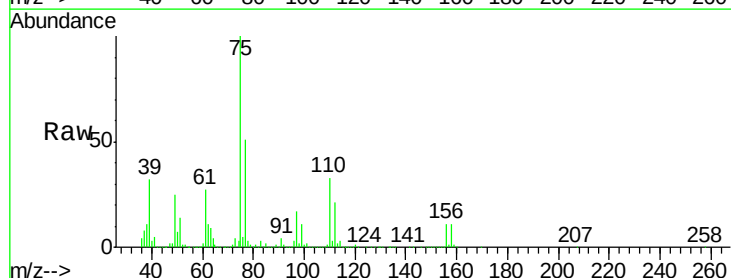
RT: 12.77 min Scan# 1782

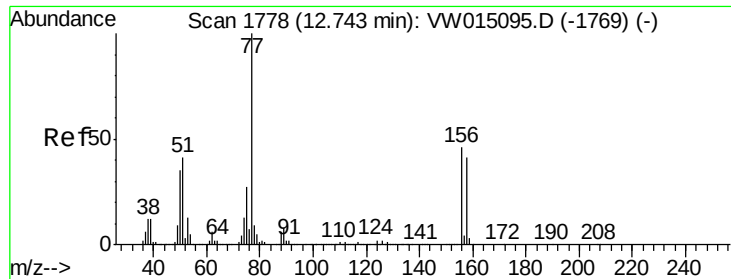
Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Tgt Ion:	75	Resp:	429747
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





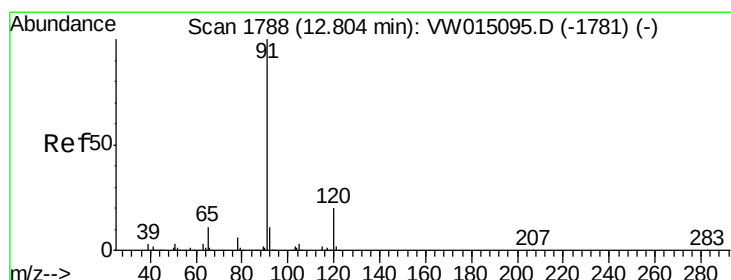
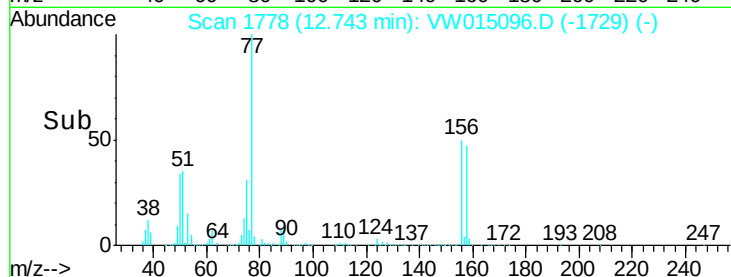
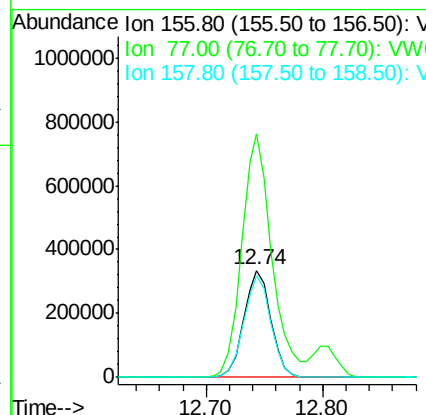
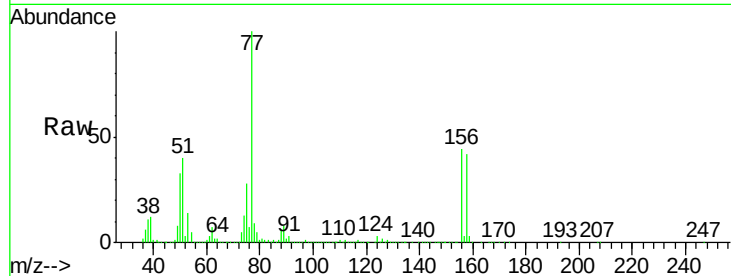
#77
Bromobenzene
Concen: 101.557 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	255.1	126.6	379.8	
158	95.3	47.4	142.2	

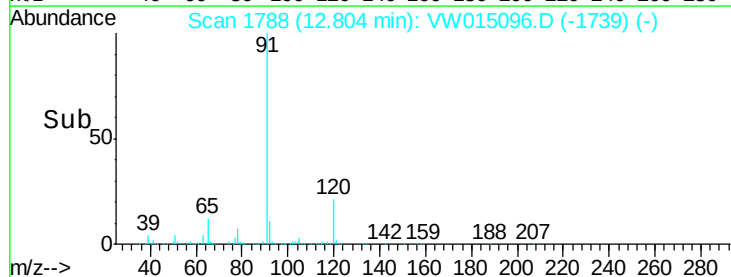
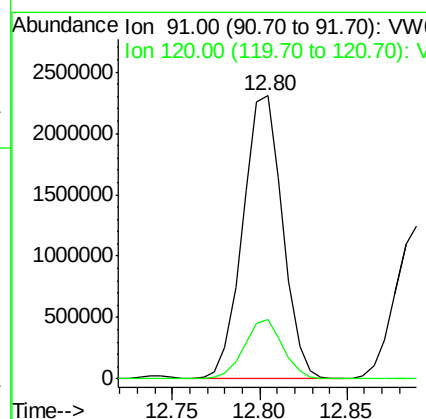
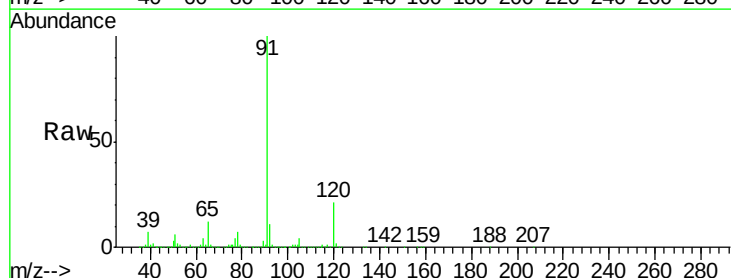
Manual Integrations
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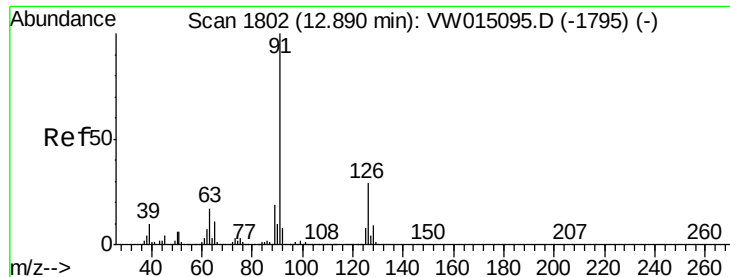
MMDadoda
3/11/2020 3:24:00 PM



#78
n-propylbenzene
Concen: 104.219 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.3	10.2	30.4	





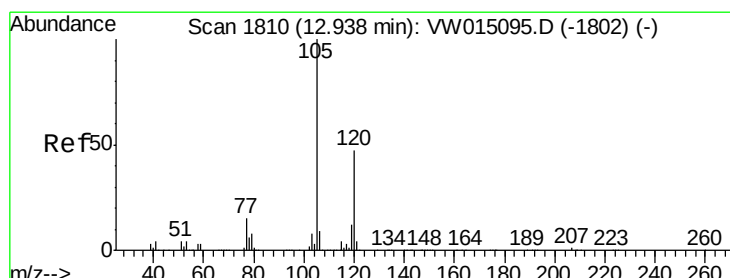
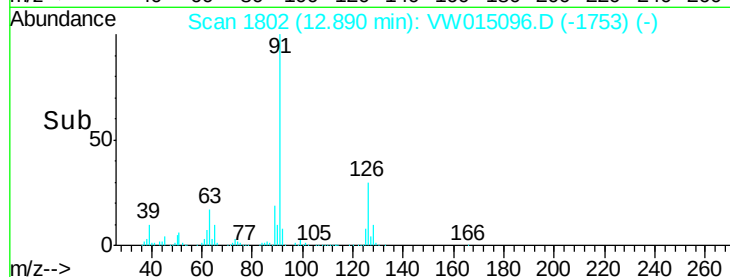
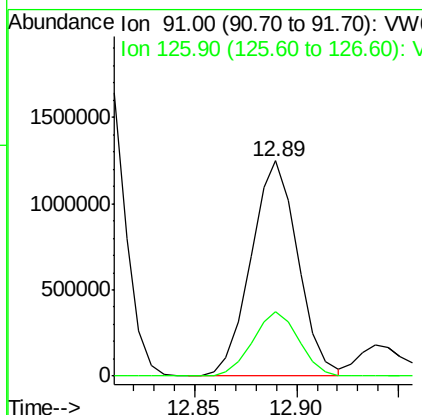
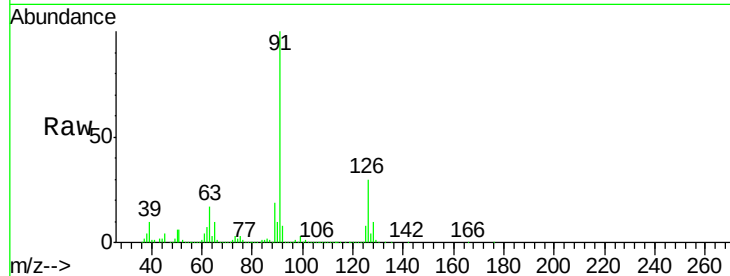
#79
 2-Chlorotoluene
 Concen: 101.965 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 1996256
 Ion Ratio Lower Upper
 91 100
 126 29.7 14.5 43.6

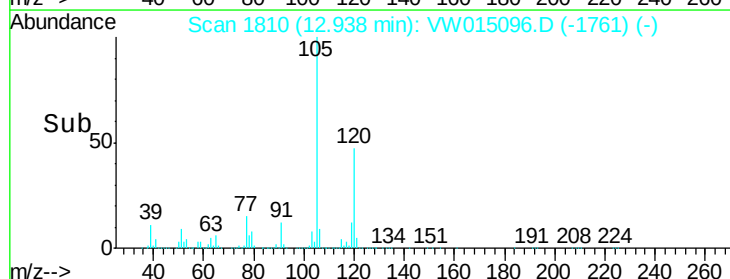
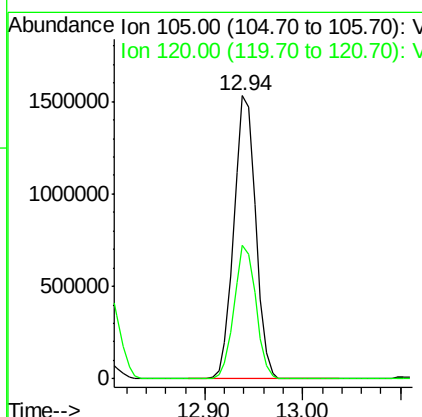
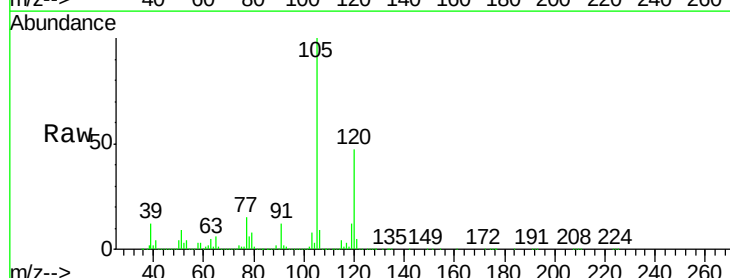
Manual Integrations
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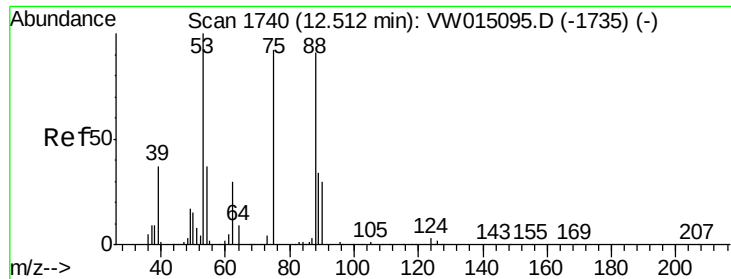
MMDadoda
 3/11/2020 3:24:00 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 103.041 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Tgt Ion:105 Resp: 2373861
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 111.068 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

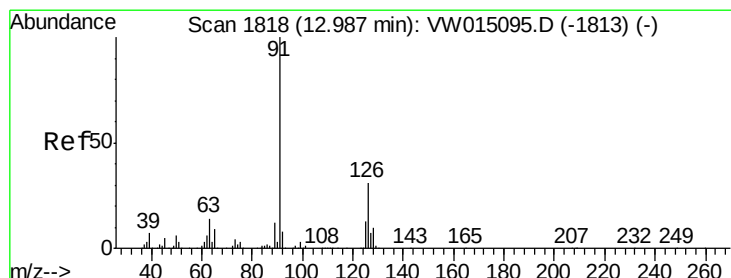
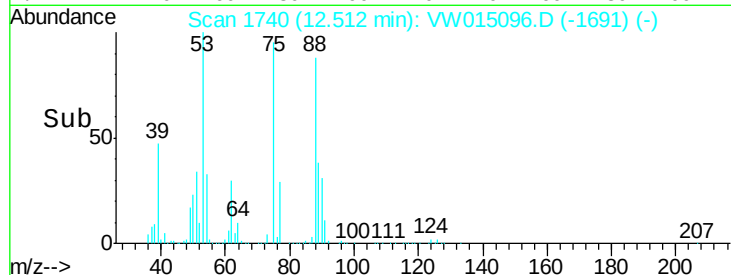
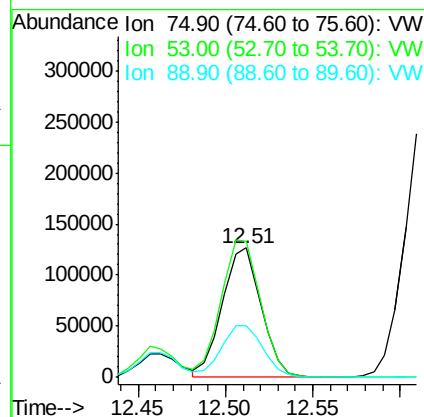
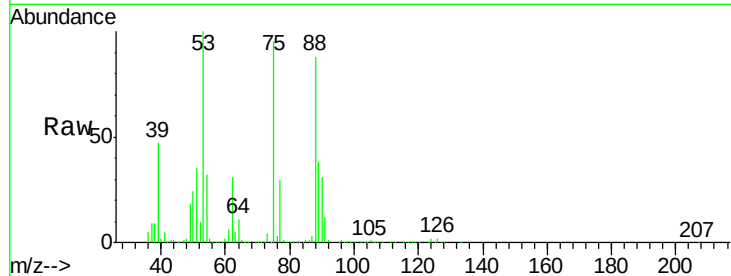
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	194940
Ion	Ratio	Lower	Upper
75	100		
53	109.1	88.4	132.6
89	43.0	33.1	49.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 100.332 ug/l

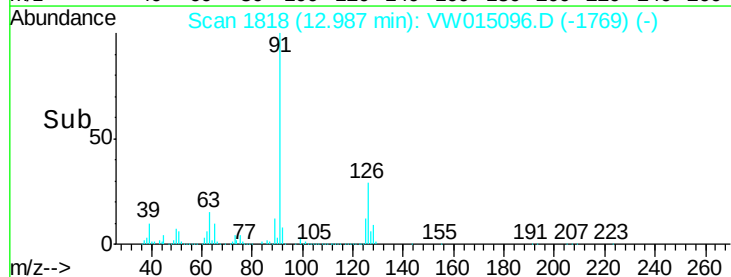
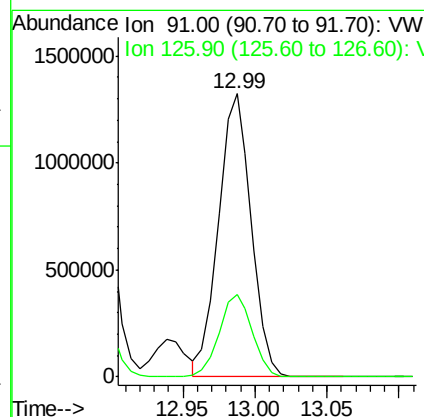
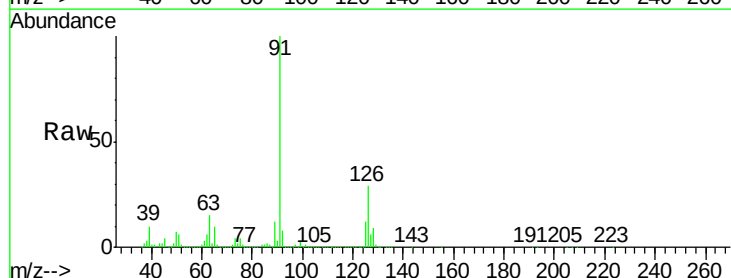
RT: 12.99 min Scan# 1818

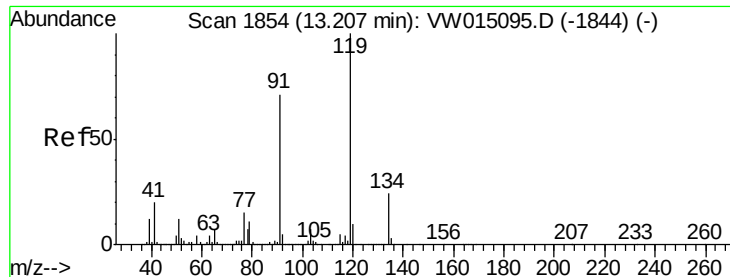
Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Tgt Ion:	91	Resp:	2091859
Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.8	44.4





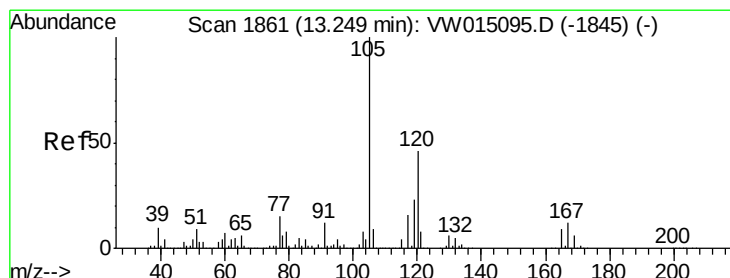
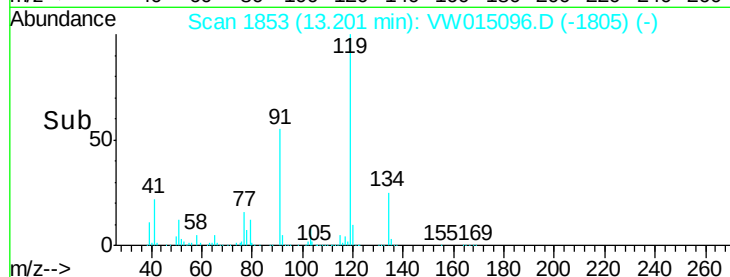
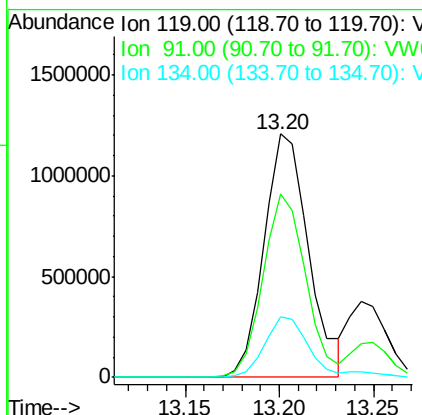
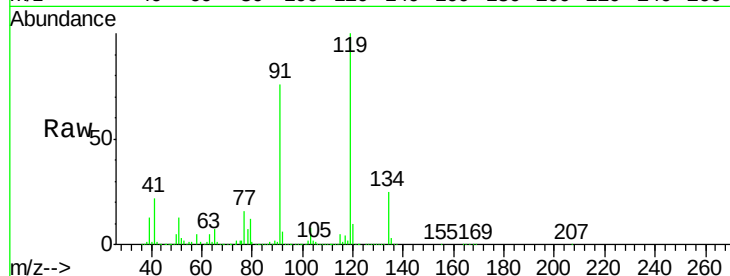
#83
tert-Butylbenzene
Concen: 106.231 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1982651
Ion Ratio Lower Upper
119 100
91 72.2 35.7 107.1
134 25.7 12.7 38.1

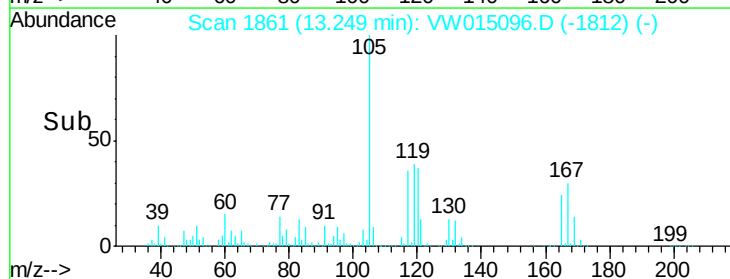
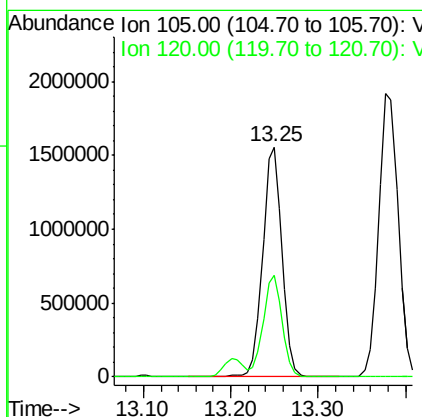
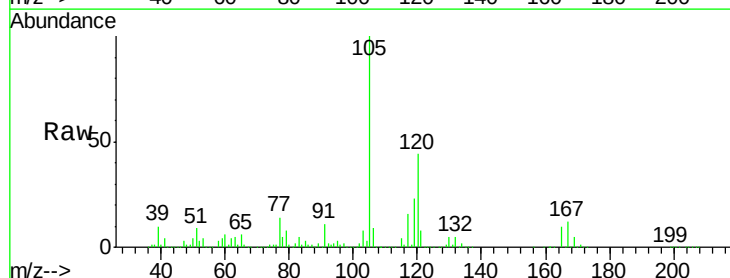
Manual Integrations
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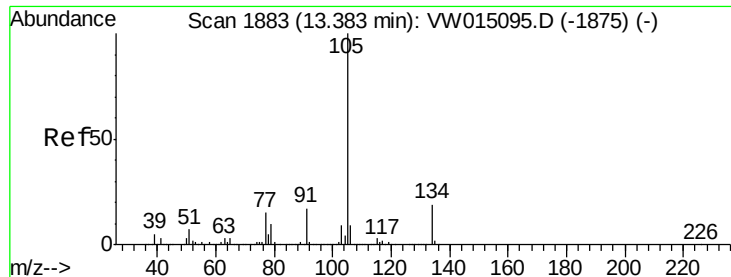
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#84
1,2,4-Trimethylbenzene
Concen: 104.173 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion:105 Resp: 2399698
Ion Ratio Lower Upper
105 100
120 43.6 22.1 66.3





#85

sec-Butylbenzene

Concen: 104.359 ug/l

RT: 13.38 min Scan# 1882

Delta R.T. -0.01 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2947686

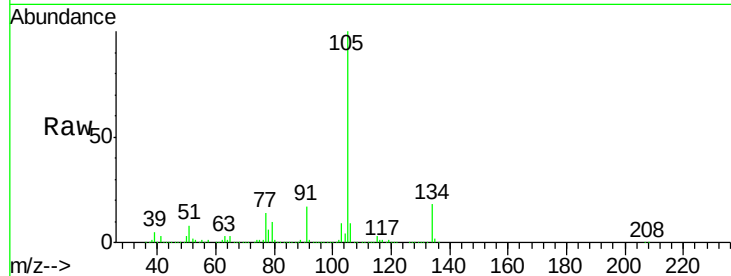
Ion Ratio Lower Upper

105 100

134 18.1 9.0 27.1

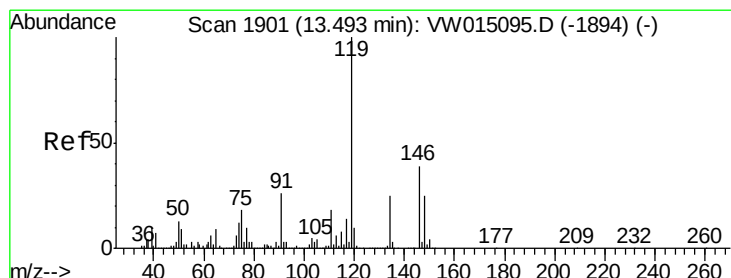
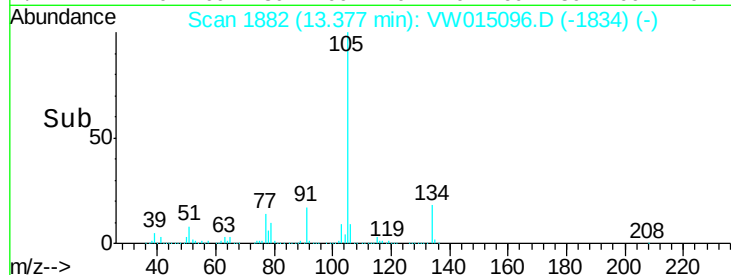
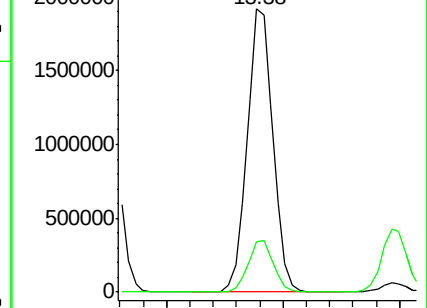
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 104.979 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

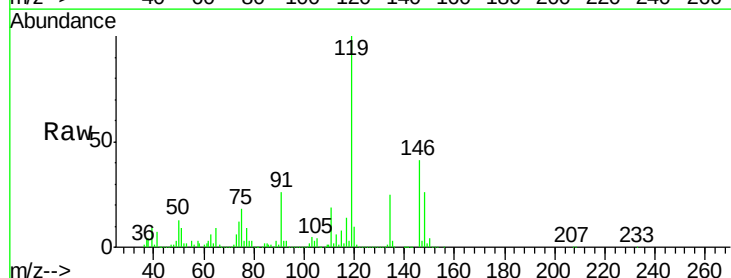
Tgt Ion:119 Resp: 2548812

Ion Ratio Lower Upper

119 100

134 25.4 12.6 37.8

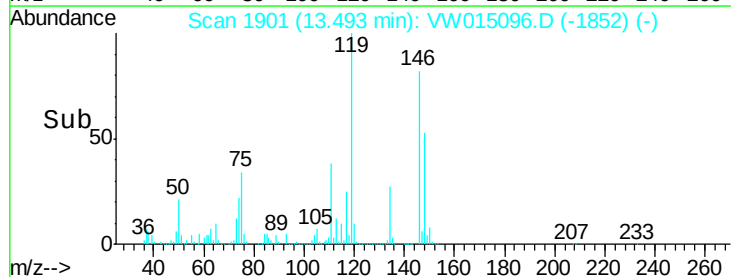
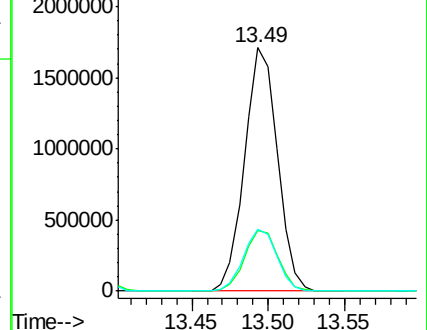
91 26.0 12.9 38.6

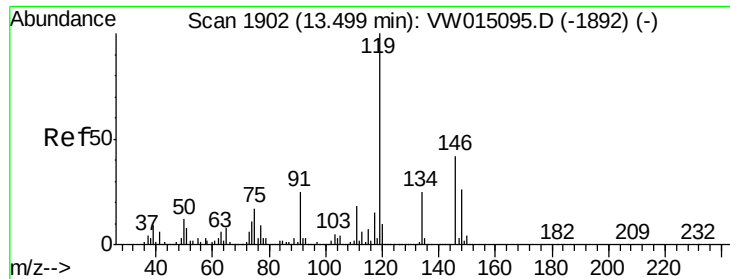


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





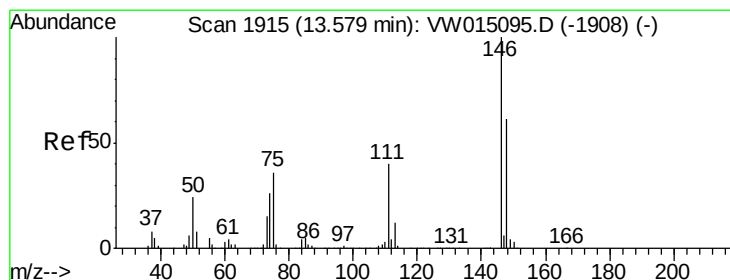
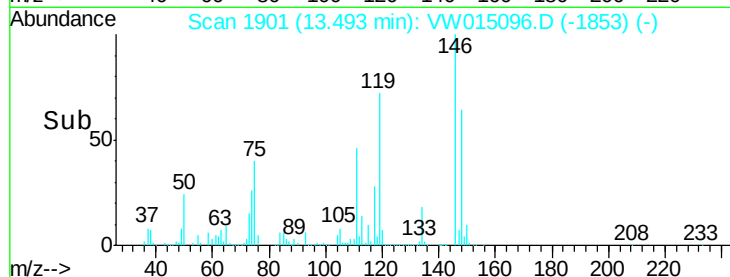
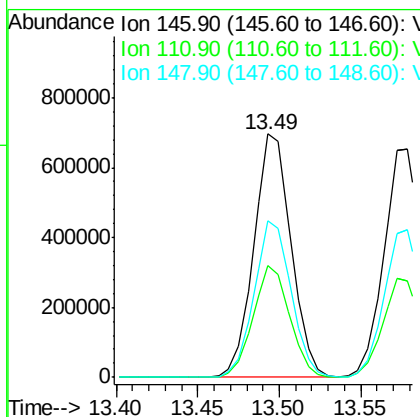
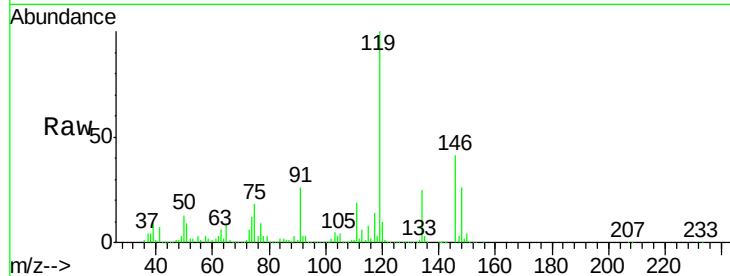
#87
 1,3-Dichlorobenzene
 Concen: 98.543 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1105759
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.5 67.5
 148 63.6 31.9 95.9

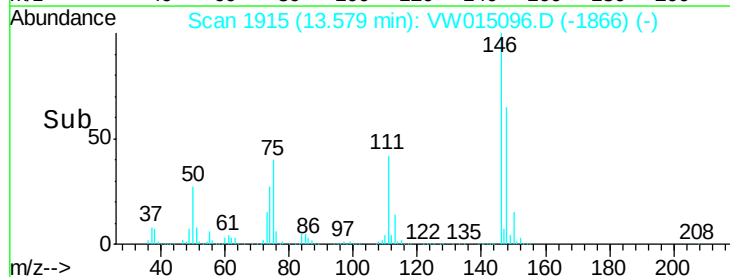
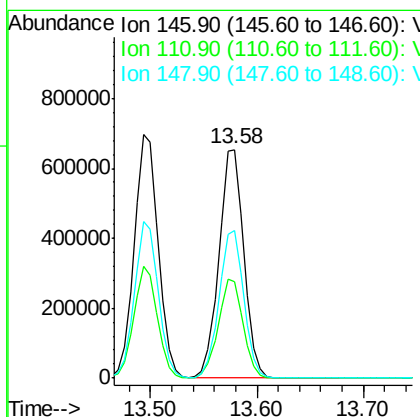
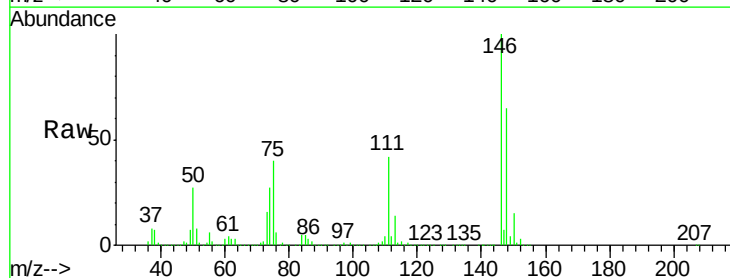
Manual Integrations
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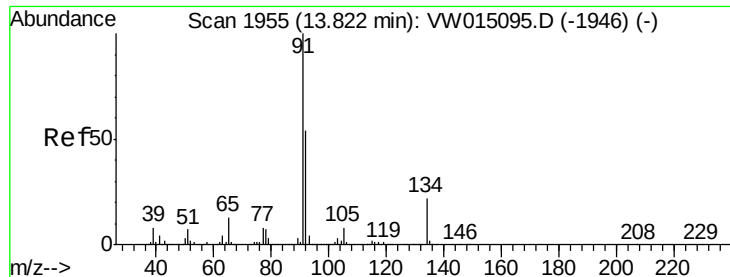
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 3/11/2020 3:24:00 PM



#88
 1,4-Dichlorobenzene
 Concen: 95.973 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Tgt Ion:146 Resp: 1060398
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.3 63.9
 148 64.3 31.6 94.8





#89

n-Butylbenzene

Concen: 106.227 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015096.D

Acq: 09 Mar 2020 12:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2781434

Ion Ratio Lower Upper

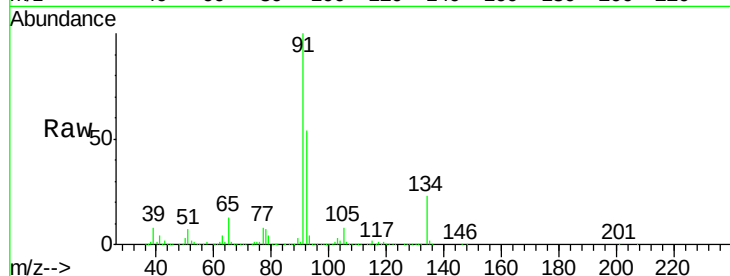
91 100

92 53.8 26.8 80.3

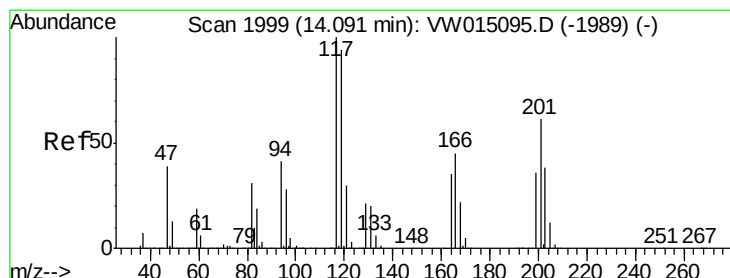
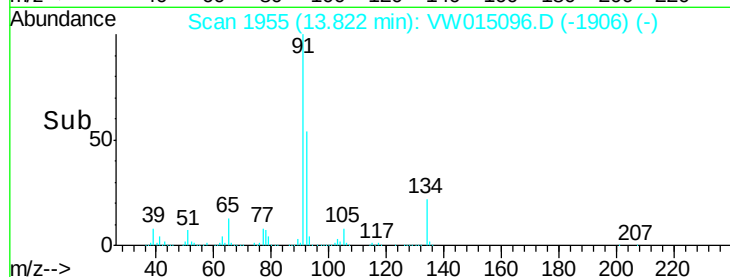
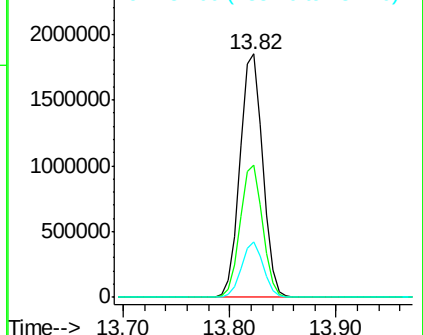
134 22.0 10.8 32.4

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Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 99.277 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015096.D

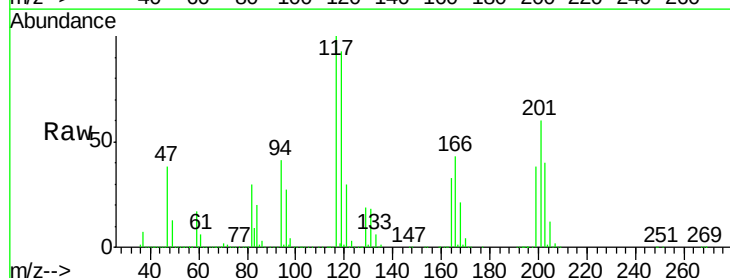
Acq: 09 Mar 2020 12:21

Tgt Ion: 117 Resp: 483404

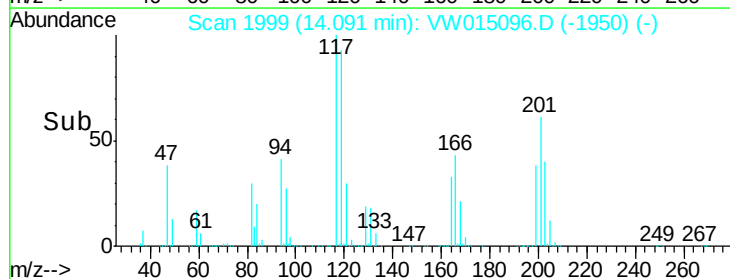
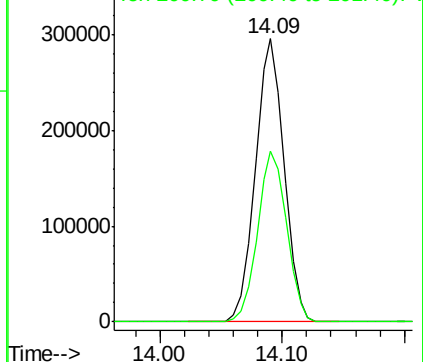
Ion Ratio Lower Upper

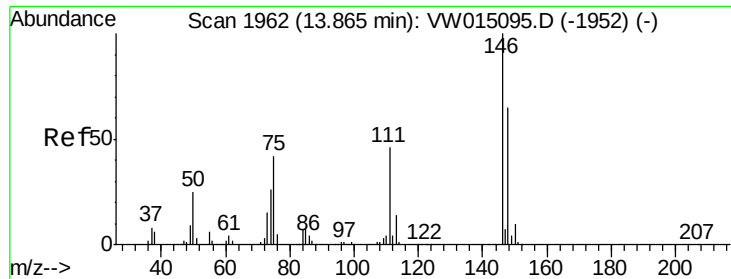
117 100

201 61.0 30.3 90.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





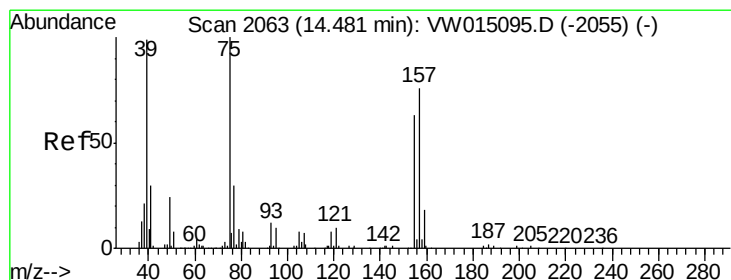
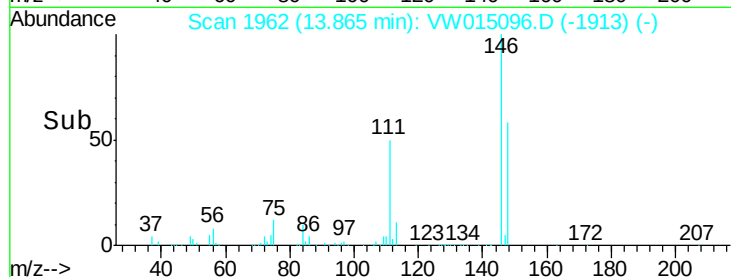
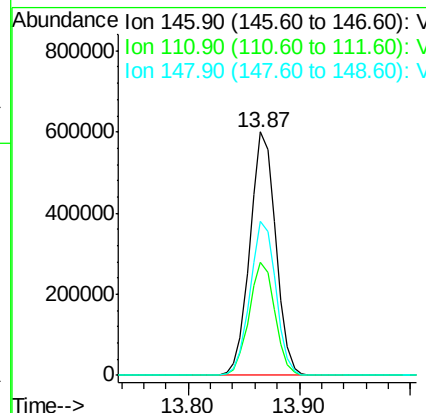
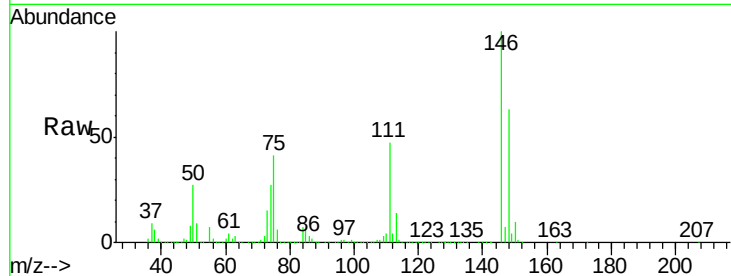
#91
 1,2-Dichlorobenzene
 Concen: 98.340 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.1	69.2
148	63.3	32.3	96.9

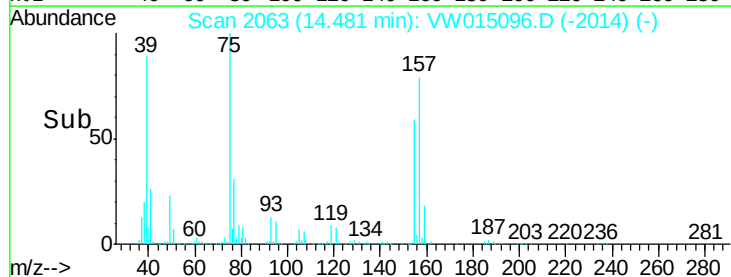
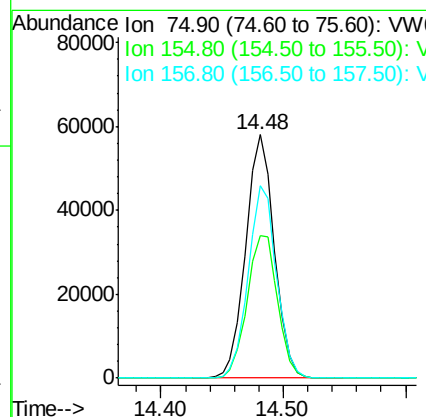
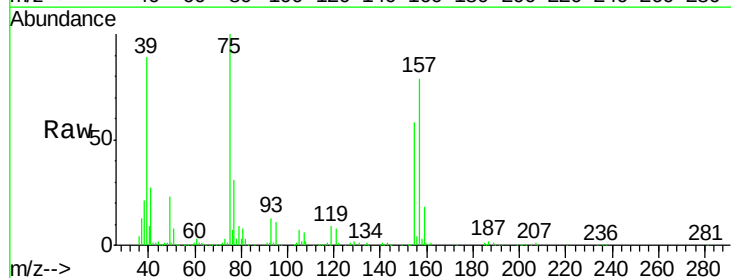
Manual Integrations
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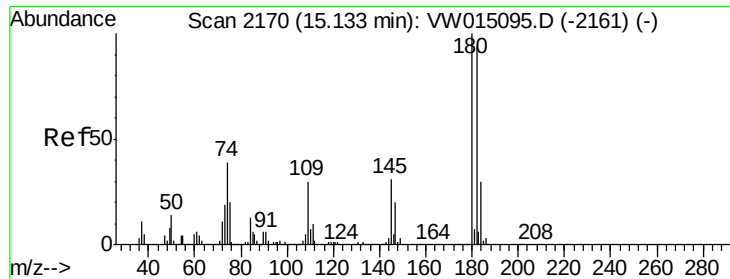
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 107.635 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015096.D
 Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.6	32.1	96.3
157	78.3	39.6	118.7





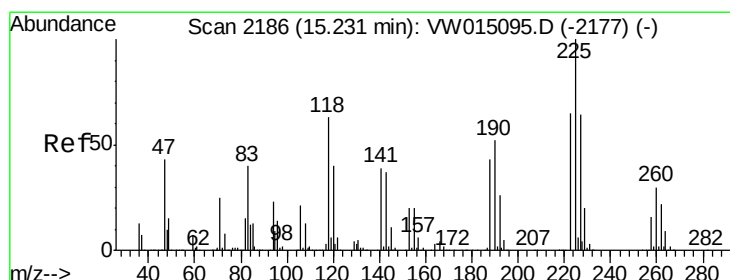
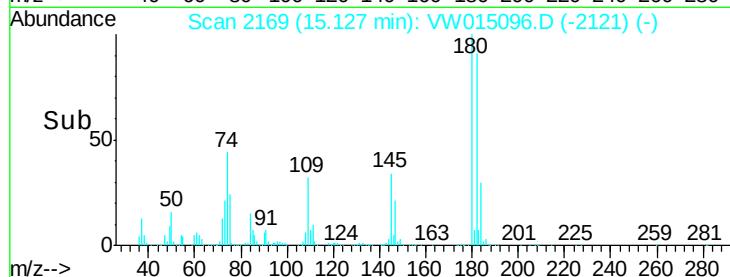
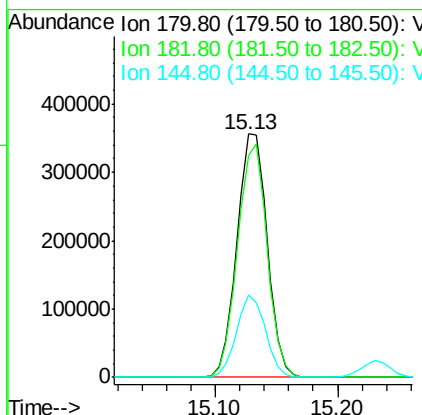
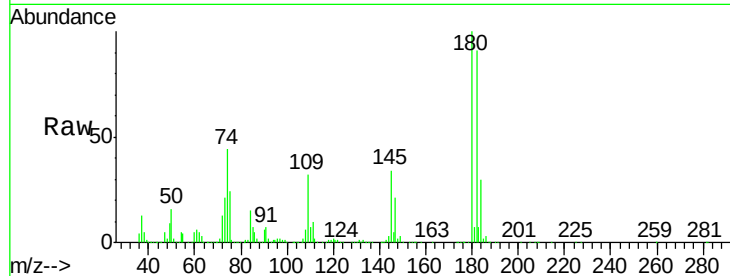
#93
1,2,4-Trichlorobenzene
Concen: 108.443 ug/l
RT: 15.13 min Scan# 2169
Delta R.T. -0.01 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	609867		
182	93.7	47.6	142.9	
145	32.5	16.2	48.5	

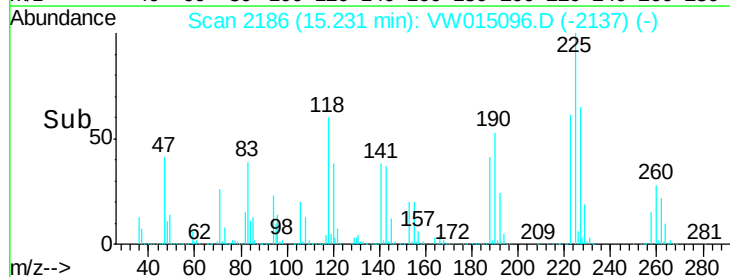
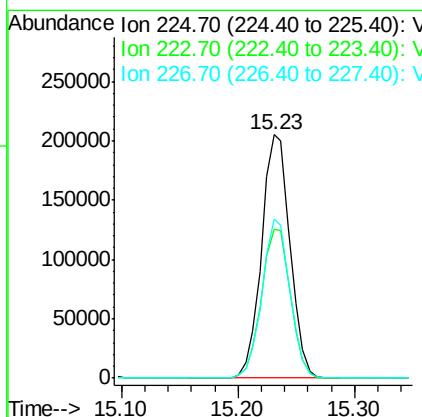
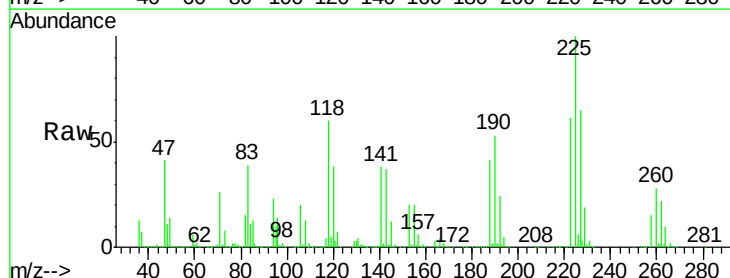
Manual Integrations
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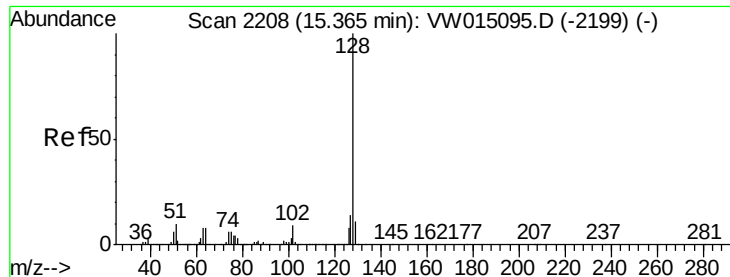
MMDadoda
3/11/2020 3:24:00 PM



#94
Hexachlorobutadiene
Concen: 97.644 ug/l
RT: 15.23 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	344773		
223	62.8	32.5	97.4	
227	64.0	33.0	99.0	





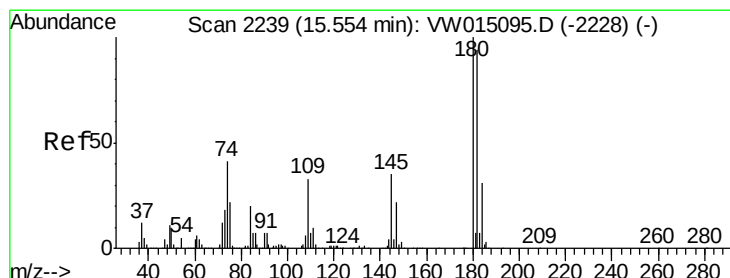
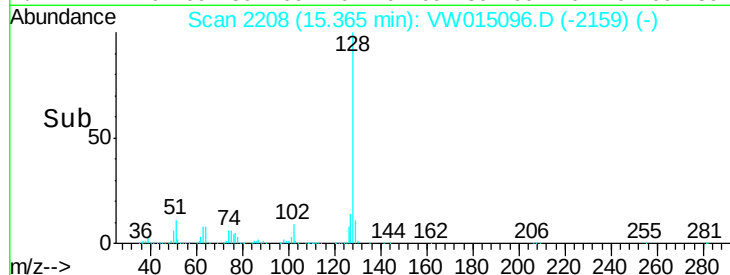
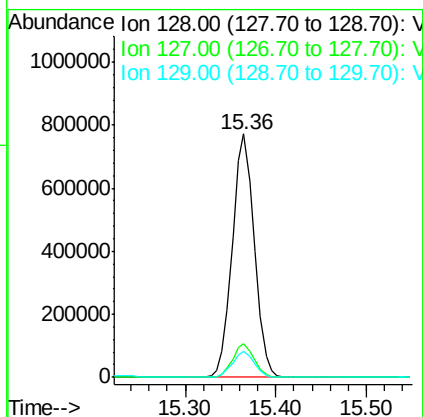
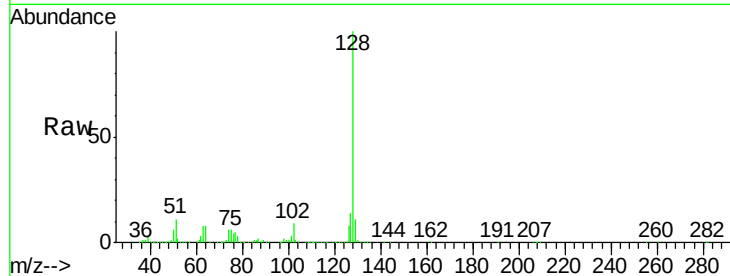
#95
Naphthalene
Concen: 123.891 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:24:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 107.374 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015096.D
Acq: 09 Mar 2020 12:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.9	143.7
145	34.7	17.5	52.6

