

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012220\
 Data File : VW014710.D
 Acq On : 22 Jan 2020 13:31
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 2:33:01 PM

Quant Time: Jan 22 15:25:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	729058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1065976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	909324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	445803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	315517	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.88	113	315441	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.32	98	1315901	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.62	95	429391	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	169552	41.189	ug/l	100
3) Chloromethane	2.21	50	232531	46.150	ug/l	99
4) Vinyl Chloride	2.35	62	355036	47.907	ug/l	98
5) Bromomethane	2.77	94	216101	47.204	ug/l	99
6) Chloroethane	2.92	64	204520	48.413	ug/l	98
7) Trichlorofluoromethane	3.25	101	217328	58.612	ug/l	97
8) Diethyl Ether	3.67	74	158496	42.961	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	331967	47.916	ug/l	99
10) Methyl Iodide	4.26	142	465437	44.525	ug/l	98
11) Tert butyl alcohol	5.15	59	96955	191.947	ug/l	98
12) 1,1-Dichloroethene	4.03	96	340354	46.911	ug/l	97
13) Acrolein	3.89	56	146558	263.428	ug/l	99
14) Allyl chloride	4.66	41	557668	50.299	ug/l	99
15) Acrylonitrile	5.35	53	354254	210.071	ug/l	99
16) Acetone	4.11	43	473021	262.807	ug/l	99
17) Carbon Disulfide	4.38	76	1003860	45.907	ug/l	98
18) Methyl Acetate	4.66	43	175802	40.443	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	416499	46.246	ug/l	98
20) Methylene Chloride	4.90	84	368573	50.691	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	368030	47.773	ug/l	95
22) Diisopropyl ether	6.30	45	1011236	48.729	ug/l	98
23) Vinyl Acetate	6.24	43	2861159	228.319	ug/l	98
24) 1,1-Dichloroethane	6.21	63	637000	48.662	ug/l	99
25) 2-Butanone	7.16	43	507631	219.770	ug/l	97
26) 2,2-Dichloropropane	7.16	77	360501	49.742	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	381671	47.150	ug/l	96
28) Bromochloromethane	7.51	49	272265	53.052	ug/l	97
29) Tetrahydrofuran	7.52	42	286438	200.172	ug/l	99
30) Chloroform	7.66	83	589912	48.191	ug/l	100
31) Cyclohexane	7.95	56	639210	46.987	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	490089	49.780	ug/l	98
36) 1,1-Dichloropropene	8.07	75	511348	49.759	ug/l	98
37) Ethyl Acetate	7.24	43	195047	41.849	ug/l	98
38) Carbon Tetrachloride	8.06	117	450236	50.501	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	645859	48.974	ug/l	97
40) Benzene	8.32	78	1425404	49.024	ug/l	100
41) Methacrylonitrile	7.48	41	116097	44.686	ug/l	96
42) 1,2-Dichloroethane	8.39	62	354750	47.015	ug/l	99
43) Isopropyl Acetate	8.42	43	363372	42.935	ug/l	99
44) Trichloroethene	9.09	130	380887	48.411	ug/l	95
45) 1,2-Dichloropropane	9.37	63	349140	48.934	ug/l	97
46) Dibromomethane	9.45	93	157533	44.725	ug/l	98
47) Bromodichloromethane	9.64	83	422694	48.607	ug/l	98
48) Methyl methacrylate	9.43	41	182322	44.123	ug/l	99
49) 1,4-Dioxane	9.44	88	60783	922.644	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	926041	210.702	ug/l	99
52) Toluene	10.38	92	887388	48.512	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	425481	47.256	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	530947	48.249	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	228176	44.356	ug/l	99
56) Ethyl methacrylate	10.64	69	295666	44.225	ug/l	98
57) 1,3-Dichloropropane	10.93	76	408883	45.225	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	545000	268.042	ug/l	99
59) 2-Hexanone	10.96	43	690781	228.088	ug/l	97
60) Dibromochloromethane	11.13	129	264418	45.556	ug/l	98
61) 1,2-Dibromoethane	11.23	107	213182	43.658	ug/l	99
64) Tetrachloroethene	10.86	164	309276	46.980	ug/l	97
65) Chlorobenzene	11.65	112	892213	47.893	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	303125	48.327	ug/l	98
67) Ethyl Benzene	11.73	91	1694360	50.468	ug/l	97
68) m/p-Xylenes	11.83	106	1263459	98.331	ug/l	99
69) o-Xylene	12.16	106	581024	48.953	ug/l	99
70) Styrene	12.18	104	989862	49.308	ug/l	99
71) Bromoform	12.35	173	149220	43.615	ug/l #	99
73) Isopropylbenzene	12.46	105	1637367	50.056	ug/l	99
74) N-amyl acetate	12.27	43	324903	44.298	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	251163	42.540	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	191426m	45.415	ug/l	
77) Bromobenzene	12.74	156	358167	47.144	ug/l	99
78) n-propylbenzene	12.80	91	1961274	50.989	ug/l	99
79) 2-Chlorotoluene	12.89	91	1082897	49.472	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1363148	49.632	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	81626	43.147	ug/l	96
82) 4-Chlorotoluene	12.99	91	1125255	49.480	ug/l	99
83) tert-Butylbenzene	13.20	119	1209703	50.307	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1351222	49.438	ug/l	100
85) sec-Butylbenzene	13.38	105	1689318	50.754	ug/l	99
86) p-Isopropyltoluene	13.49	119	1534522	50.580	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	708600	47.964	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	687772	47.155	ug/l	98
89) n-Butylbenzene	13.82	91	1480745	52.558	ug/l	99
90) Hexachloroethane	14.09	117	265959	50.181	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	615464	47.399	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	40450	43.263	ug/l	92

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	430982	49.150	ug/l	99
94) Hexachlorobutadiene	15.23	225	297802	50.679	ug/l	97
95) Naphthalene	15.36	128	701362	46.900	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	370471	48.470	ug/l	99

(#) = 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: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 729058

Ion Ratio Lower Upper

168 100

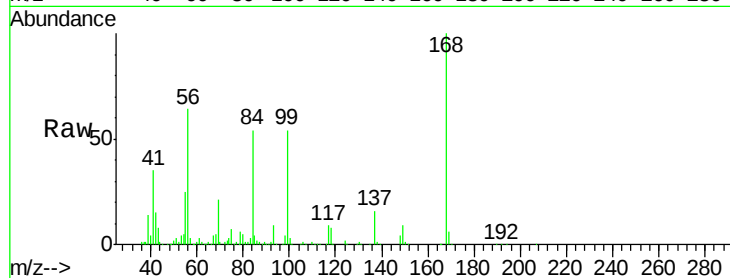
99 54.1 41.1 61.7

Manual Integrations

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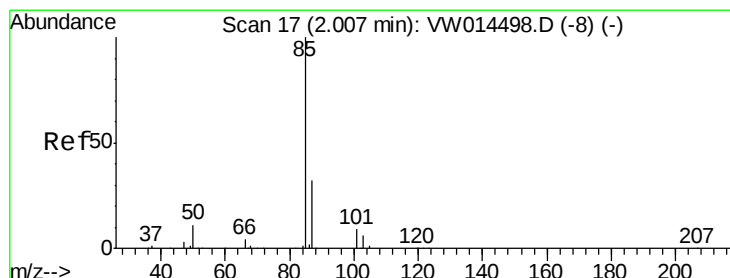
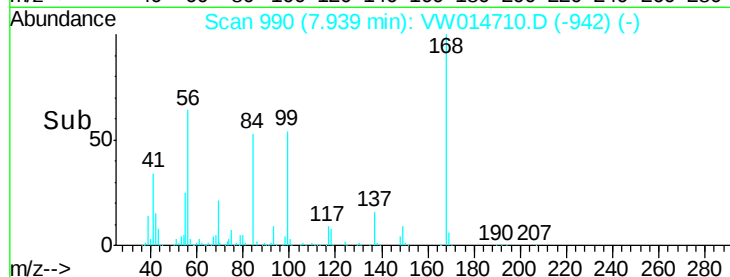
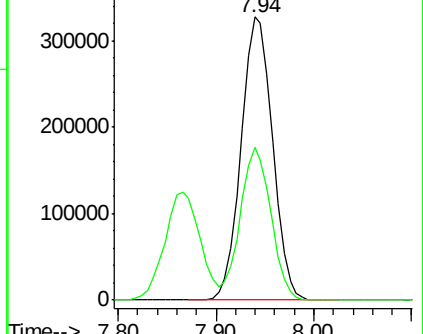
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 41.189 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014710.D

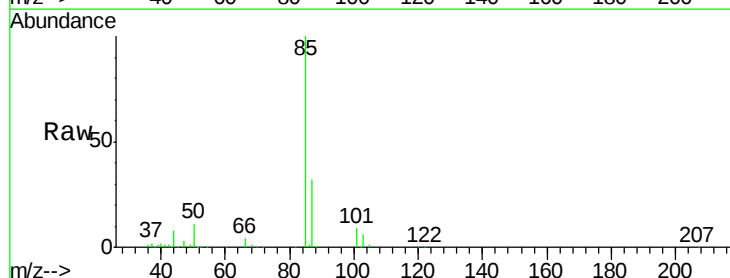
Acq: 22 Jan 2020 13:31

Tgt Ion: 85 Resp: 169552

Ion Ratio Lower Upper

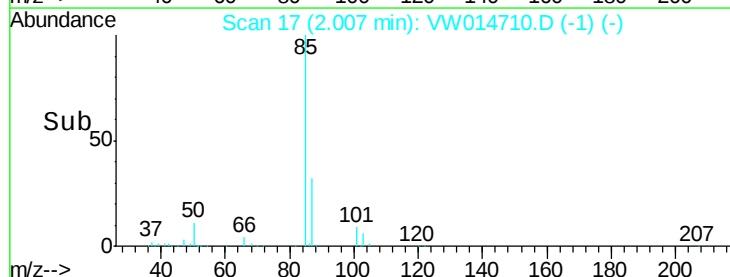
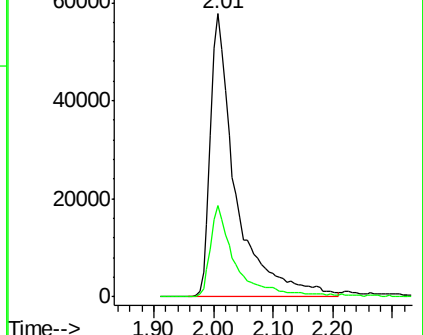
85 100

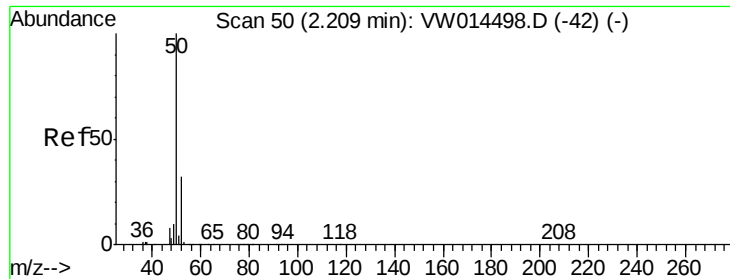
87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.150 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 232531

Ion Ratio Lower Upper

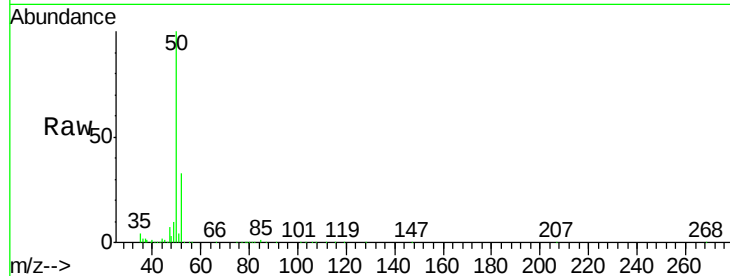
50 100

52 32.9 25.8 38.8

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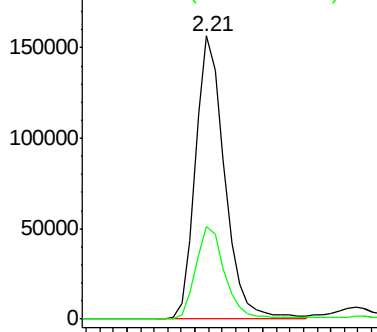
MMDadoda

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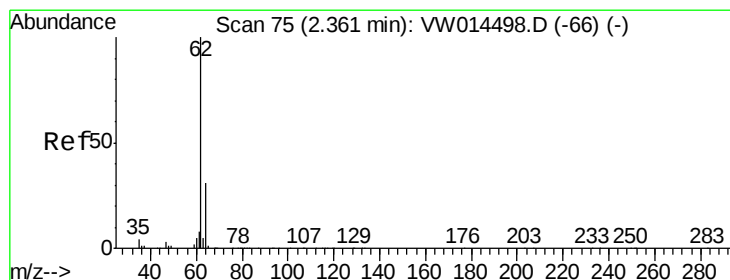
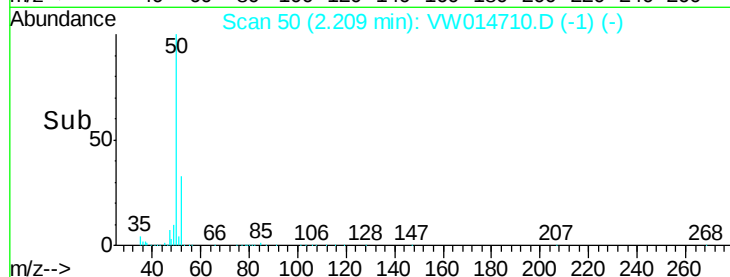


Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



Time-->



#4

Vinyl Chloride

Concen: 47.907 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014710.D

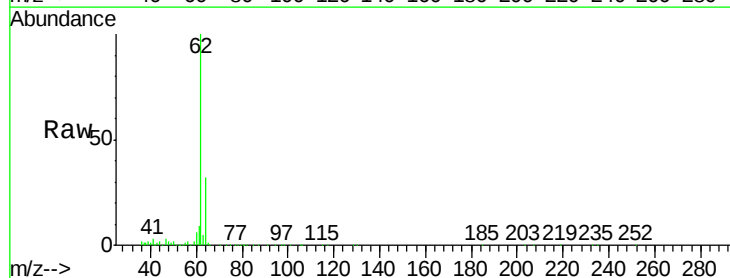
Acq: 22 Jan 2020 13:31

Tgt Ion: 62 Resp: 355036

Ion Ratio Lower Upper

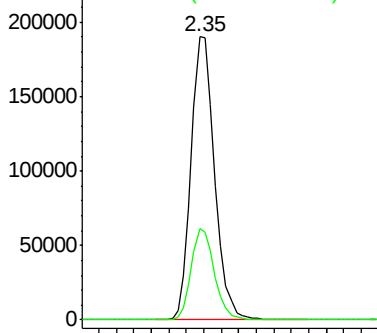
62 100

64 32.2 25.0 37.4

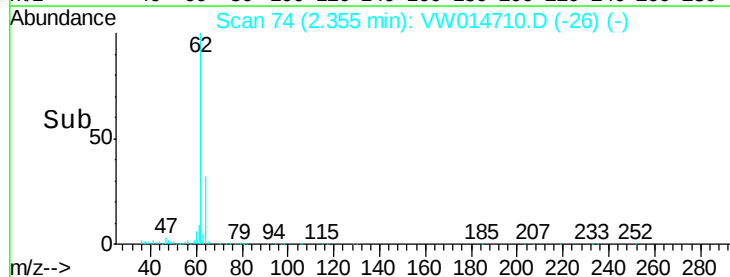


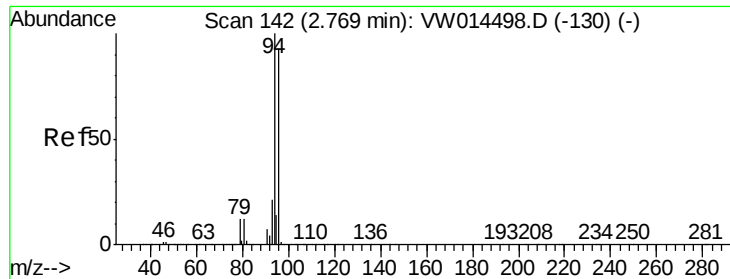
Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



Time-->





#5

Bromomethane

Concen: 47.204 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 216101

Ion Ratio Lower Upper

94 100

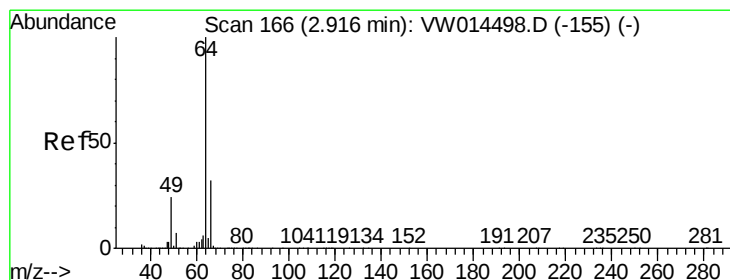
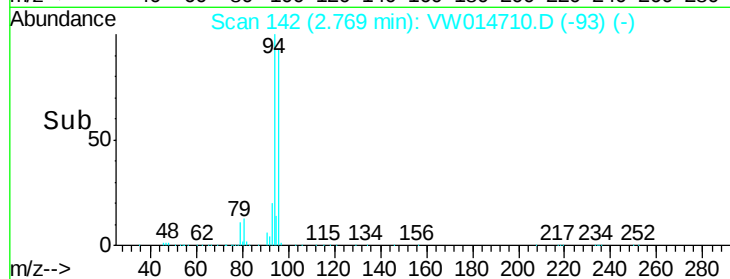
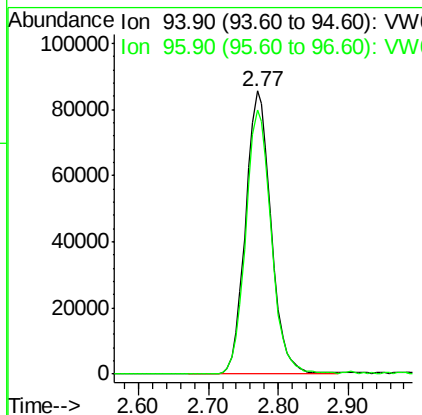
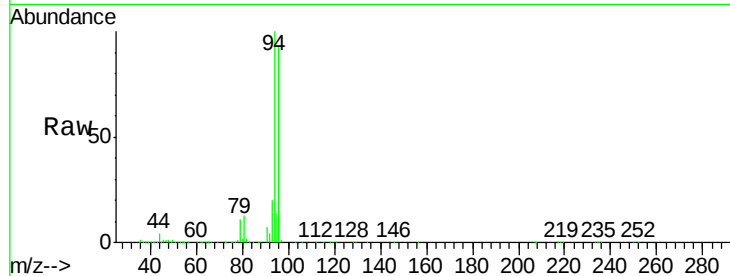
96 93.4 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 48.413 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014710.D

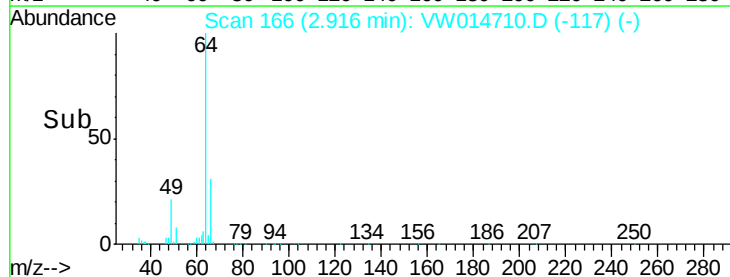
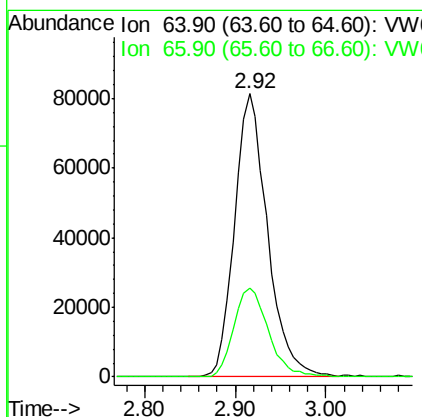
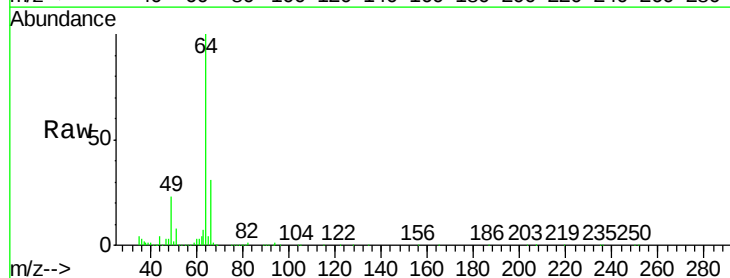
Acq: 22 Jan 2020 13:31

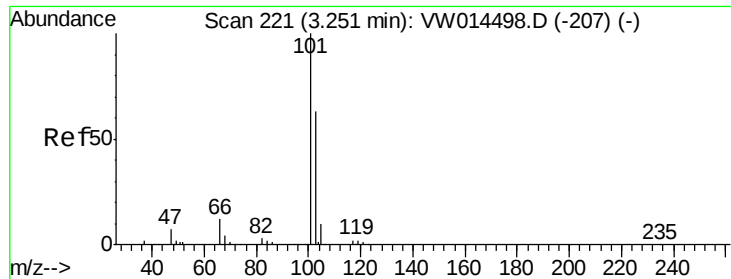
Tgt Ion: 64 Resp: 204520

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5





#7

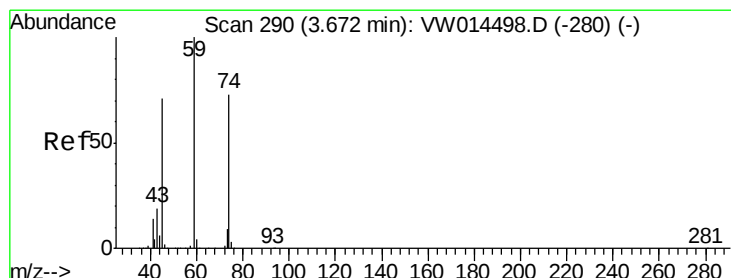
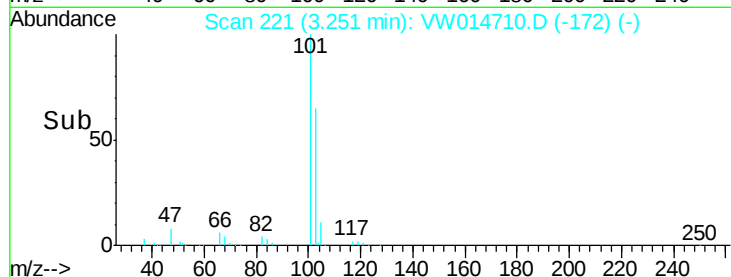
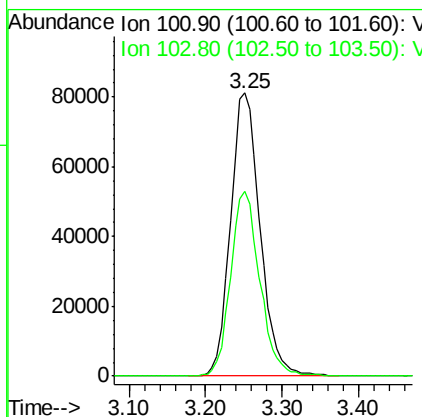
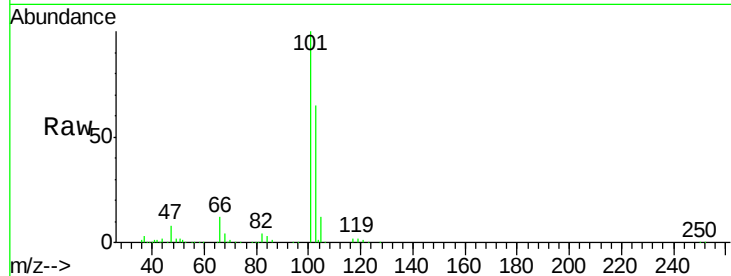
Trichlorofluoromethane
Concen: 58.612 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW014710.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		217328		
103	65.1	50.1	75.1		

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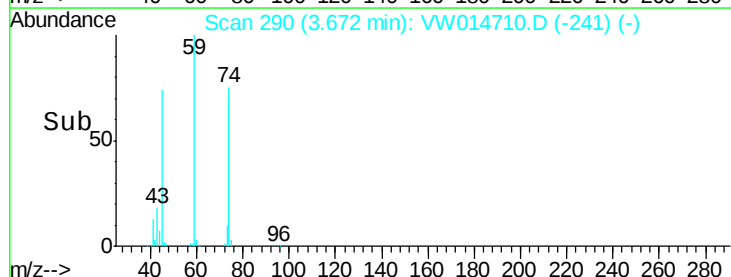
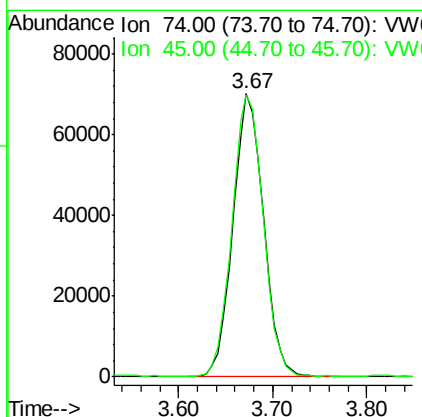
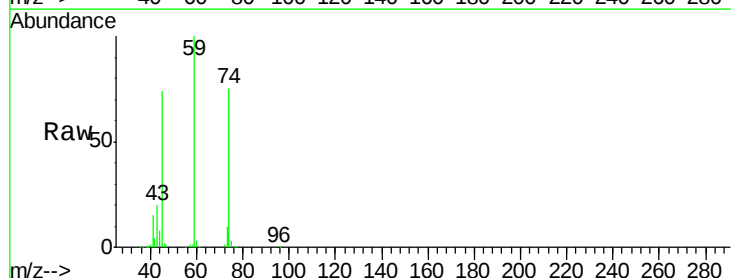
MMDadoda
1/23/2020 2:33:01 PM



#8

Diethyl Ether
Concen: 42.961 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		158496		
45	102.2	48.6	145.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.916 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

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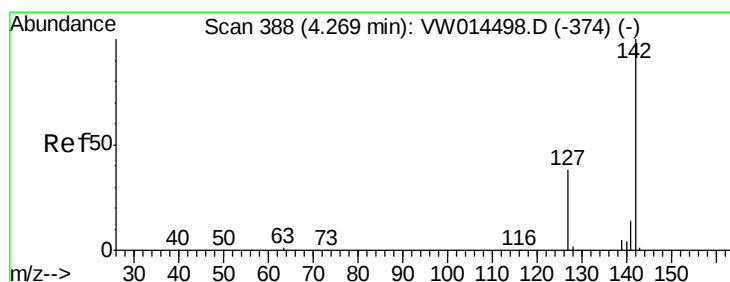
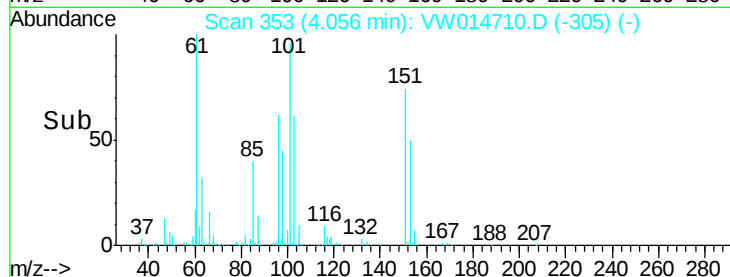
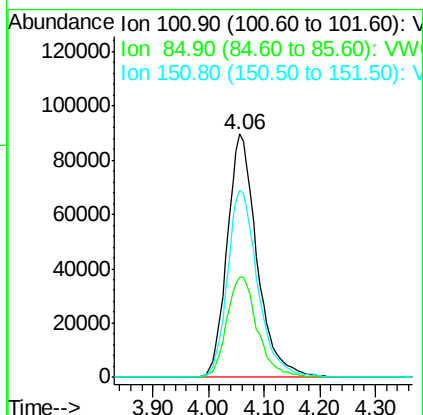
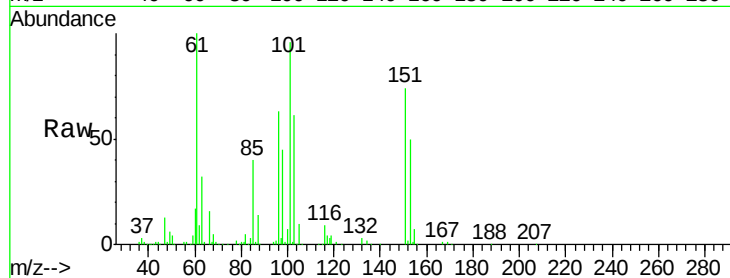
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	331967
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.7	50.5
151	78.4	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 44.525 ug/l

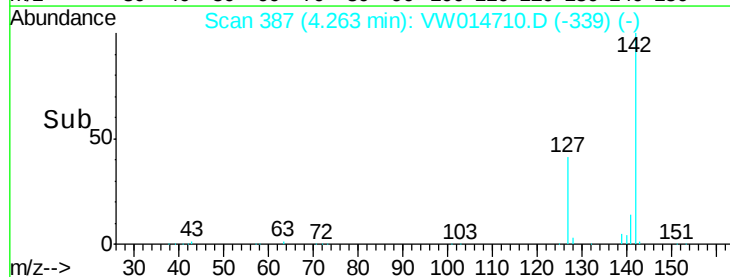
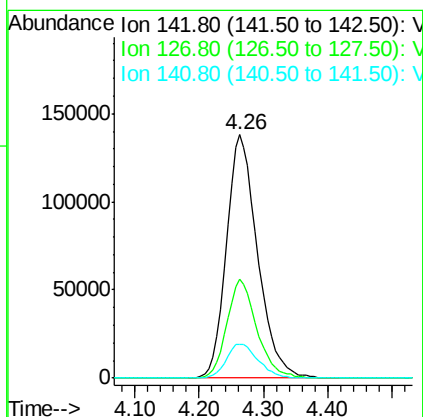
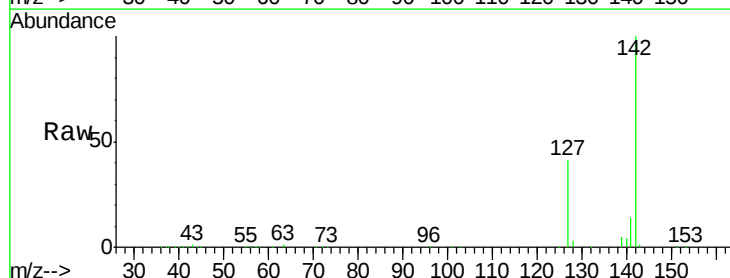
RT: 4.26 min Scan# 387

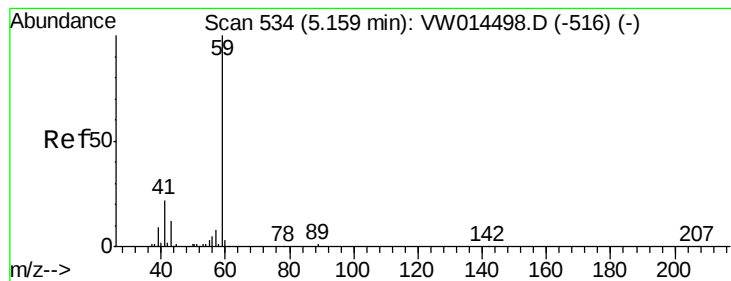
Delta R.T. -0.01 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Tgt Ion:	142	Resp:	465437
Ion Ratio	Lower	Upper	
142	100		
127	39.4	30.2	45.4
141	14.5	11.4	17.2





#11

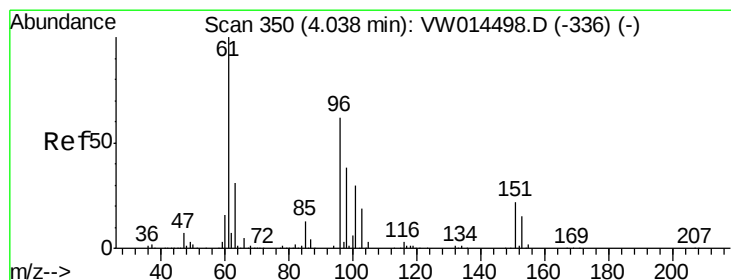
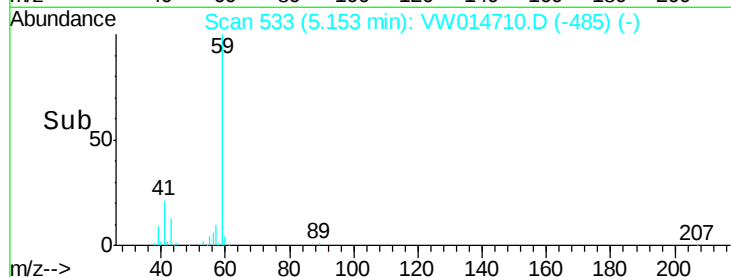
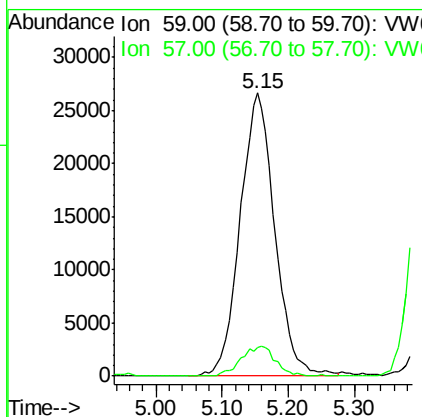
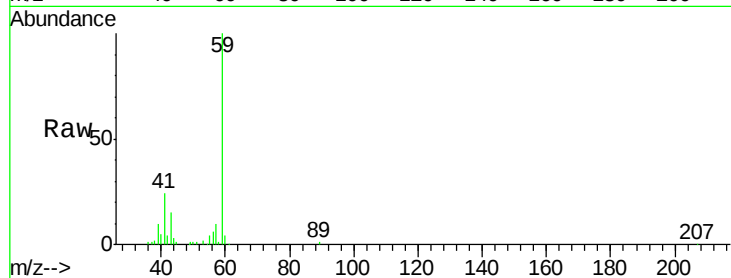
Tert butyl alcohol
 Concen: 191.947 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

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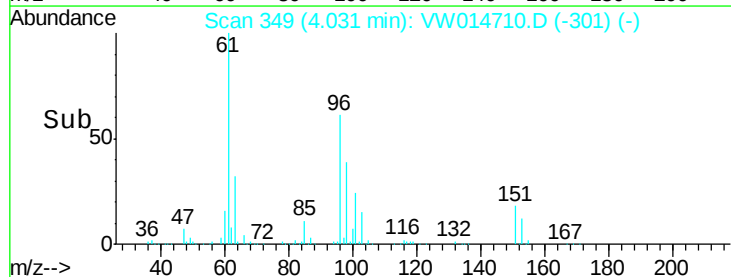
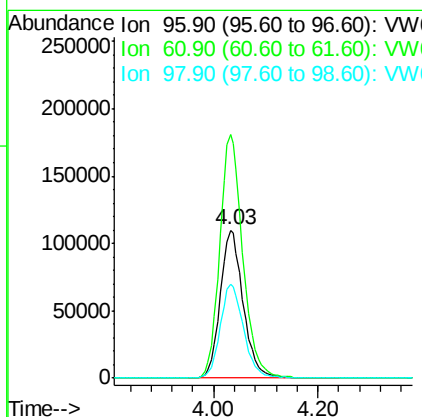
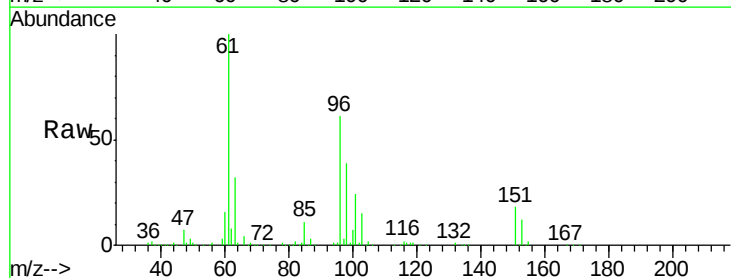
MMDadoda
 1/23/2020 2:33:01 PM

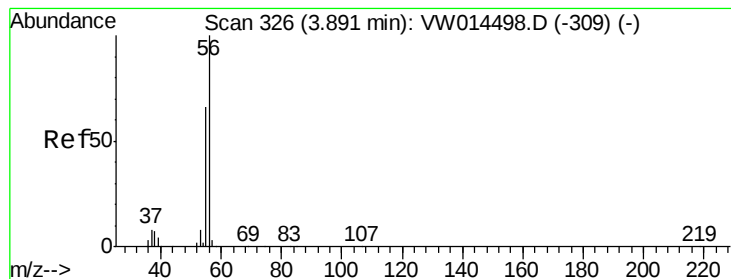


#12

1,1-Dichloroethene
 Concen: 46.911 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.8	128.4	192.6
98	63.6	49.1	73.7





#13

Acrolein

Concen: 263.428 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 146558

Ion Ratio Lower Upper

56 100

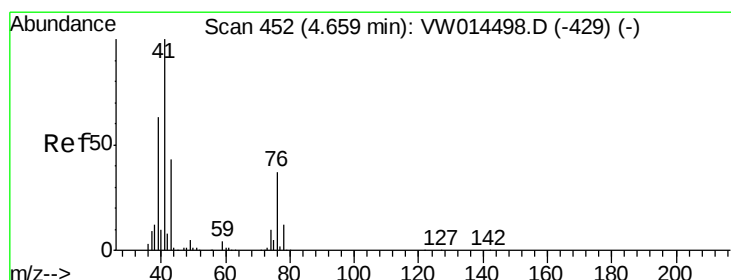
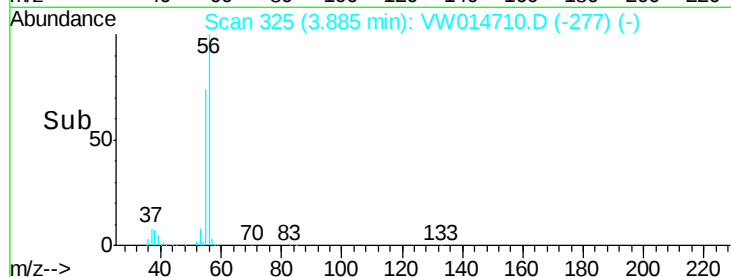
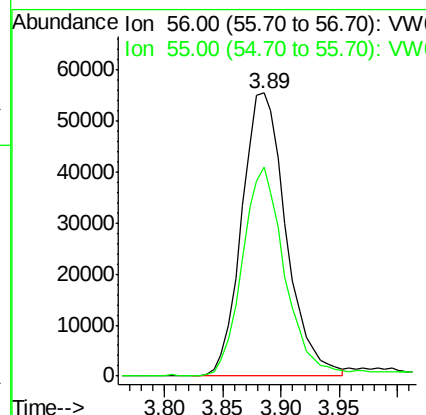
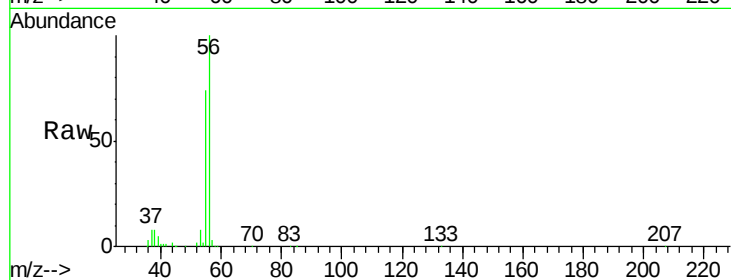
55 69.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 50.299 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

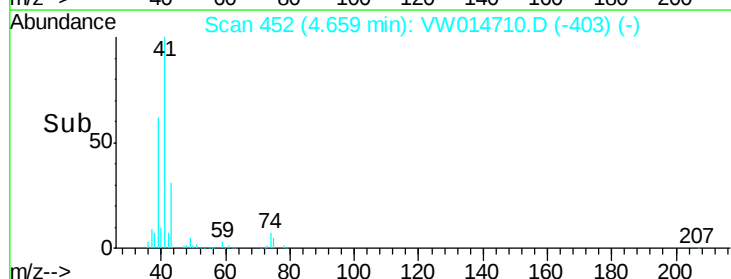
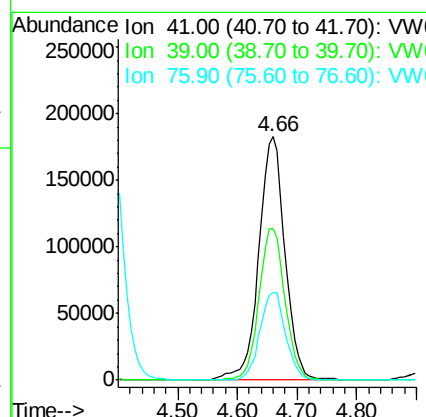
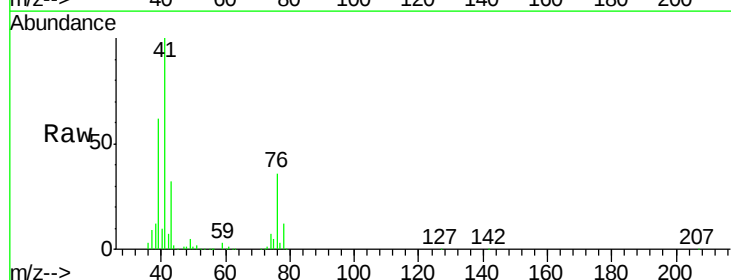
Tgt Ion: 41 Resp: 557668

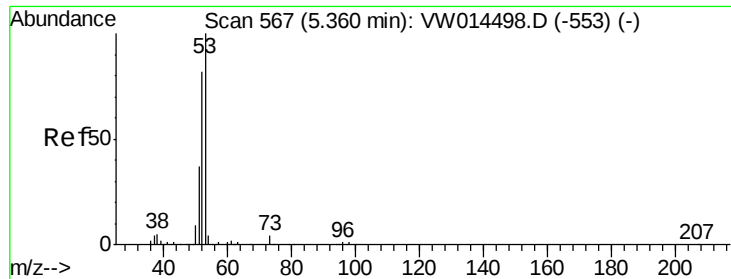
Ion Ratio Lower Upper

41 100

39 62.0 48.5 72.7

76 35.2 28.1 42.1





#15

Acrylonitrile

Concen: 210.071 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

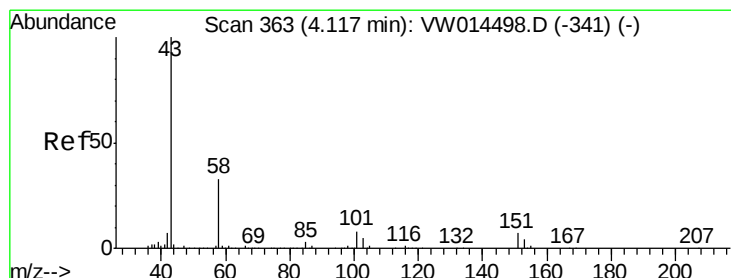
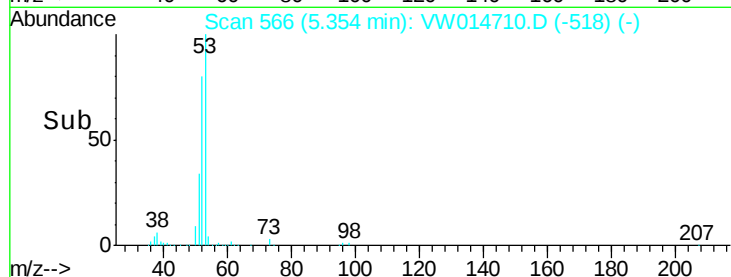
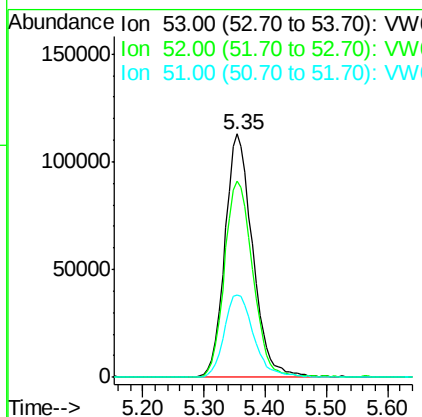
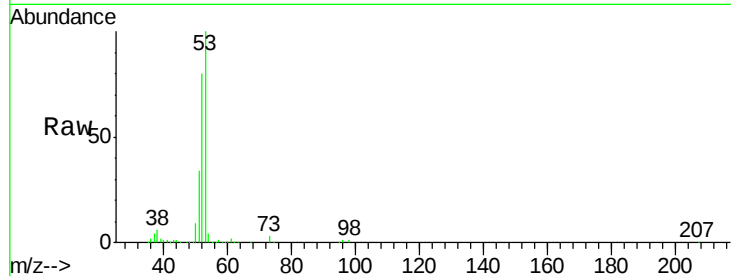
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	354254
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.5	99.7
51	36.3	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 262.807 ug/l

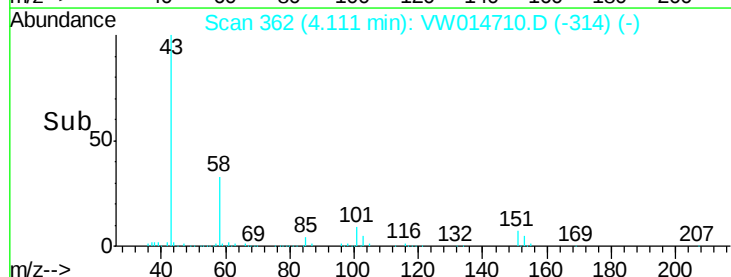
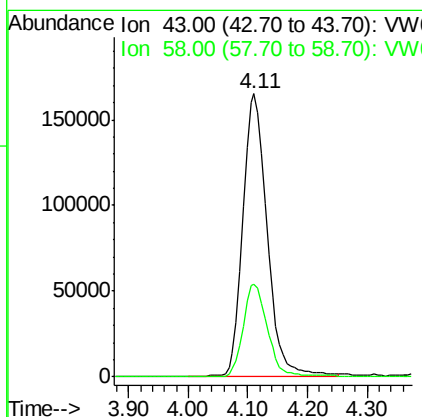
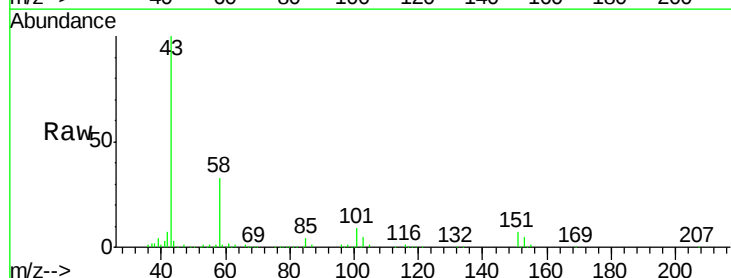
RT: 4.11 min Scan# 362

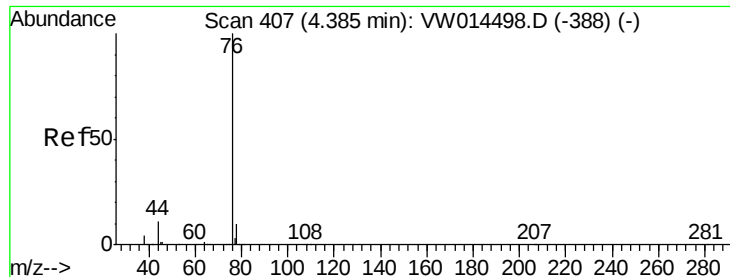
Delta R.T. -0.01 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Tgt Ion:	43	Resp:	473021
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.6	39.8





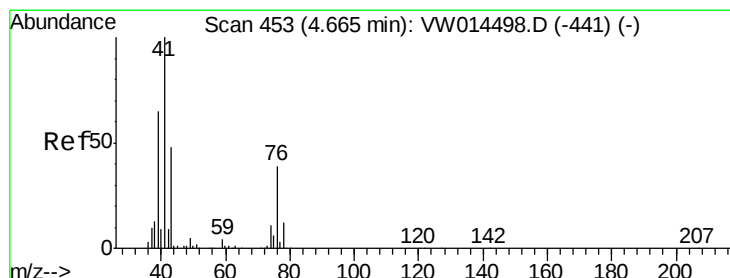
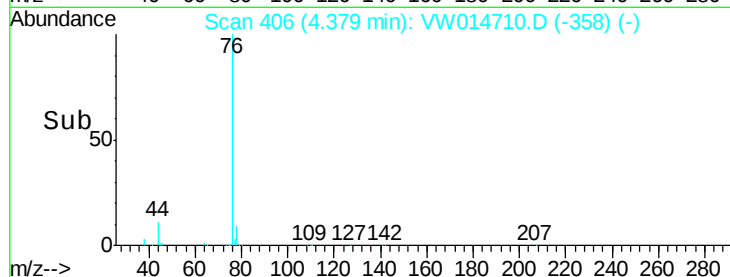
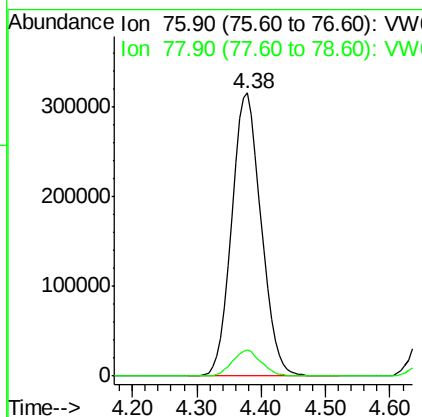
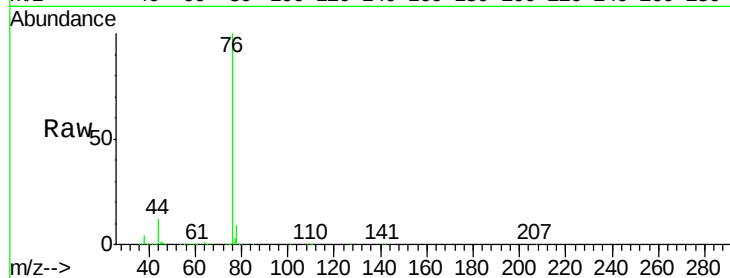
#17
Carbon Disulfide
Concen: 45.907 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1003860
Ion Ratio Lower Upper
76 100
78 9.0 7.8 11.6

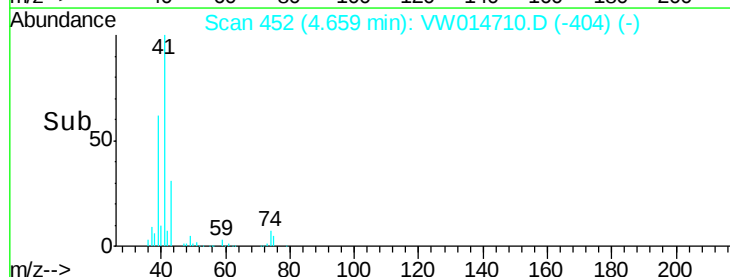
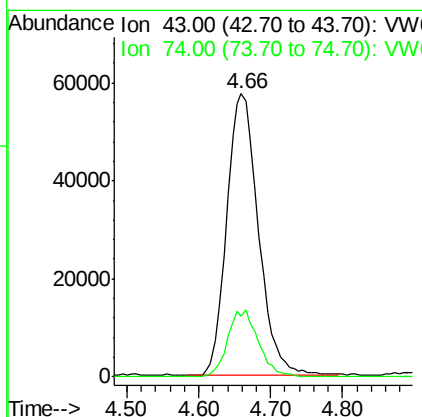
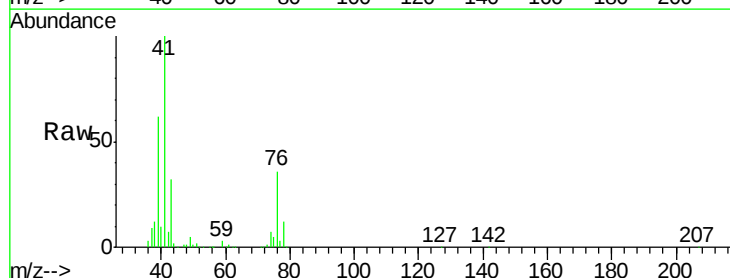
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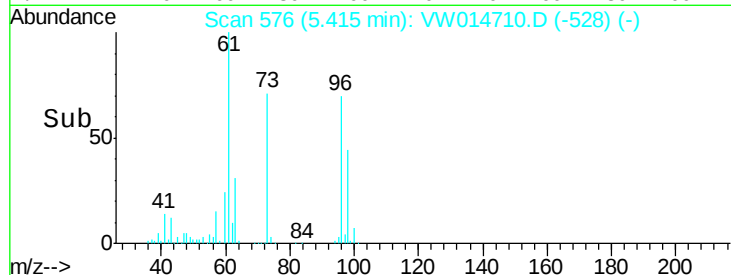
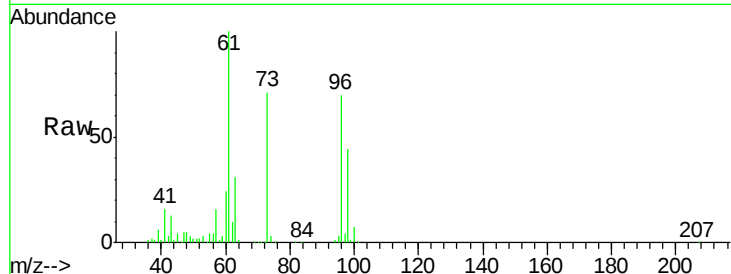
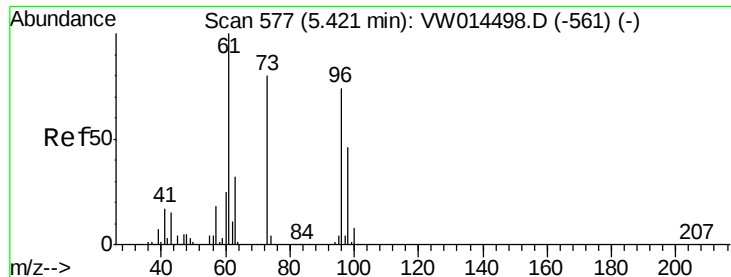
MMDadoda
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#18
Methyl Acetate
Concen: 40.443 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion: 43 Resp: 175802
Ion Ratio Lower Upper
43 100
74 23.1 19.3 28.9





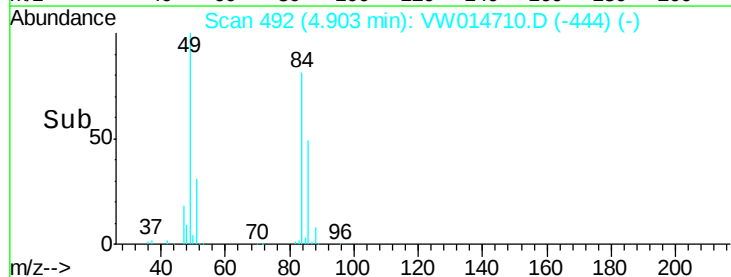
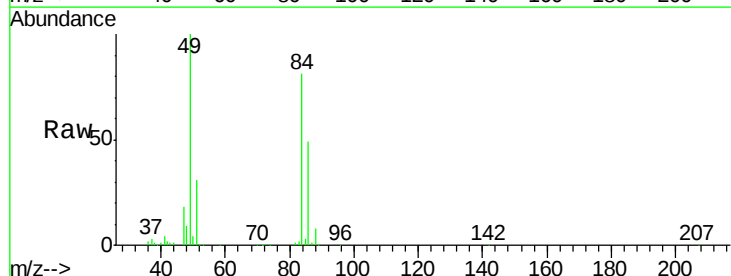
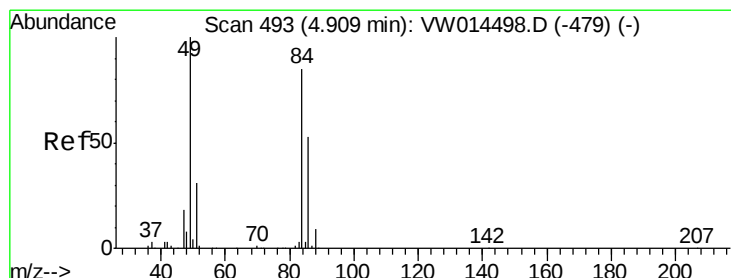
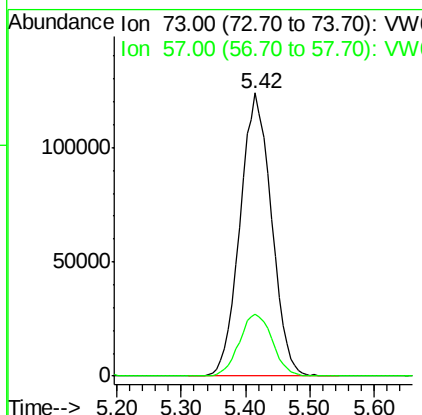
#19
Methvl tert-butvl Ether
Concen: 46.246 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tot Ion: 73 Resp: 416499
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

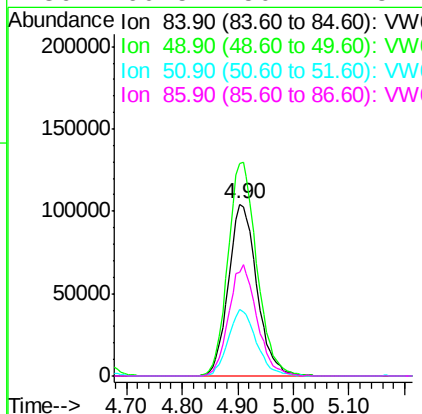
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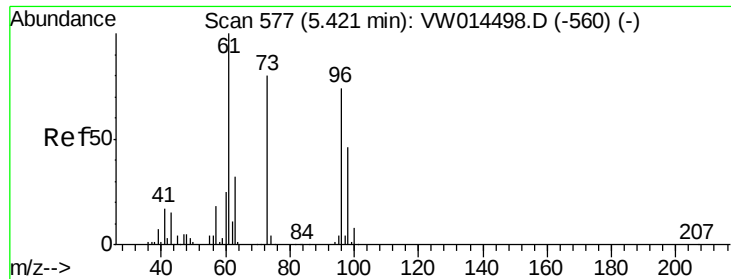
MMDadoda
1/23/2020 2:33:01 PM



#20
Methylene Chloride
Concen: 50.691 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion: 84 Resp: 368573
Ion Ratio Lower Upper
84 100
49 124.1 94.4 141.6
51 38.7 29.5 44.3
86 60.5 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 47.773 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

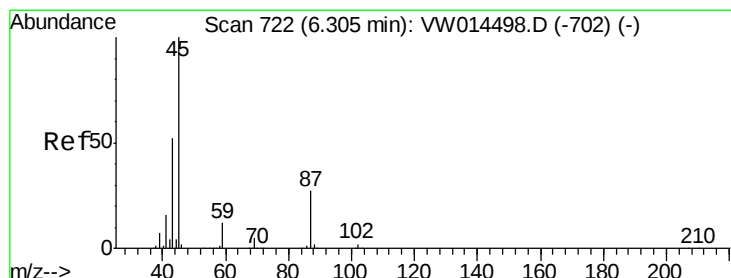
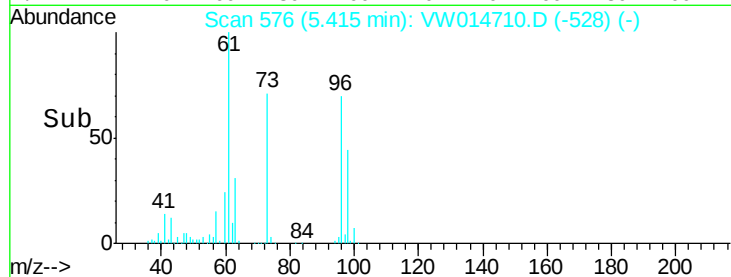
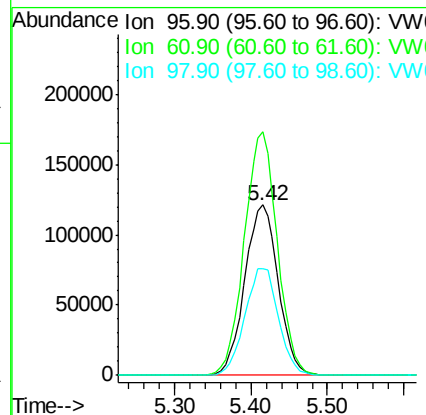
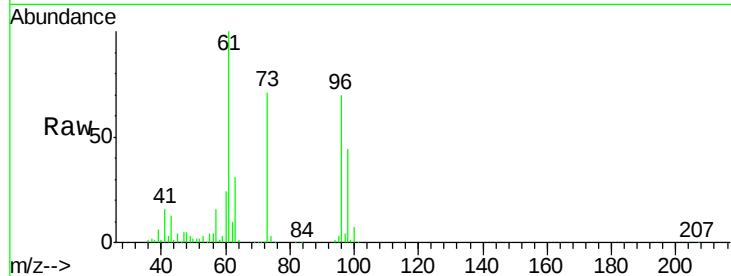
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	368030
Ion	Ratio	Lower	Upper
96	100		
61	142.8	107.8	161.6
98	62.9	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.729 ug/l

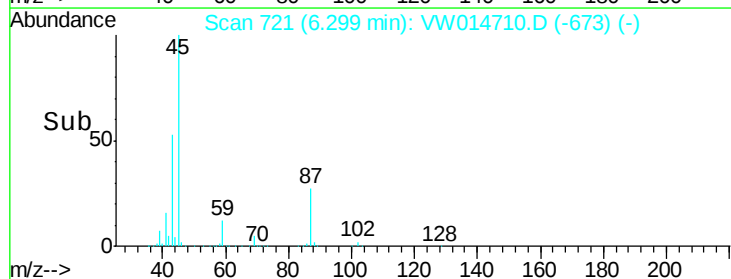
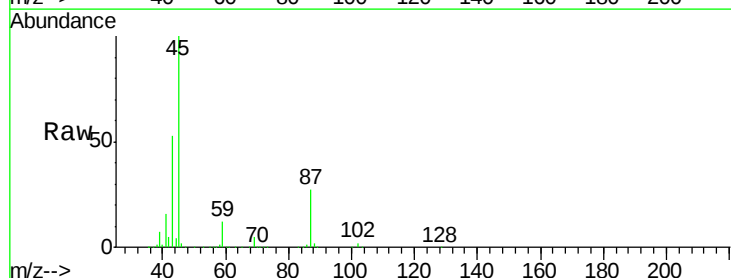
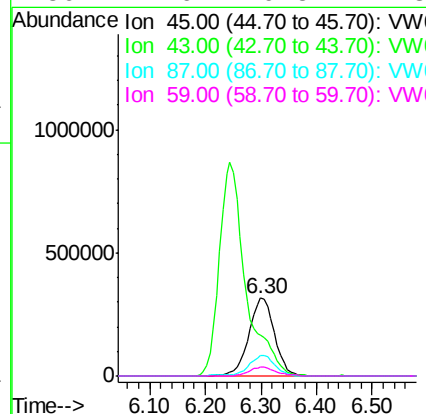
RT: 6.30 min Scan# 721

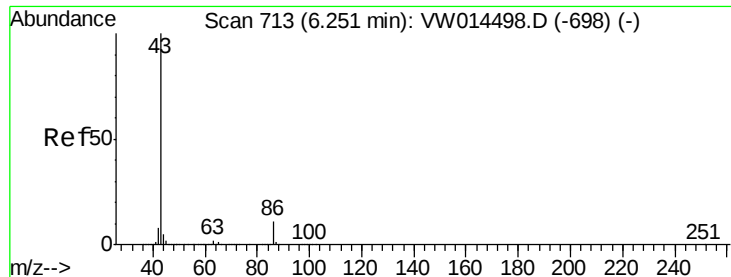
Delta R.T. -0.01 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Tgt Ion:	45	Resp:	1011236
Ion	Ratio	Lower	Upper
45	100		
43	53.1	41.4	62.0
87	26.9	22.2	33.2
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 228.319 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2861159

Ion Ratio Lower Upper

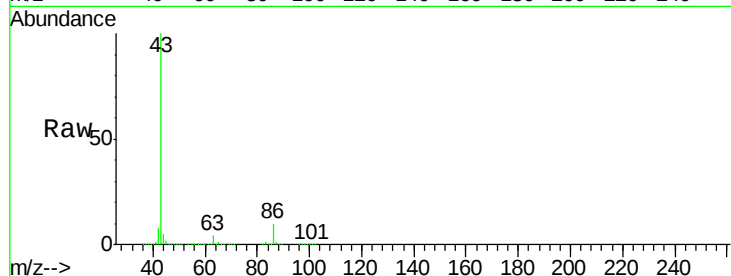
43 100

86 10.4 8.8 13.2

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.24

800000

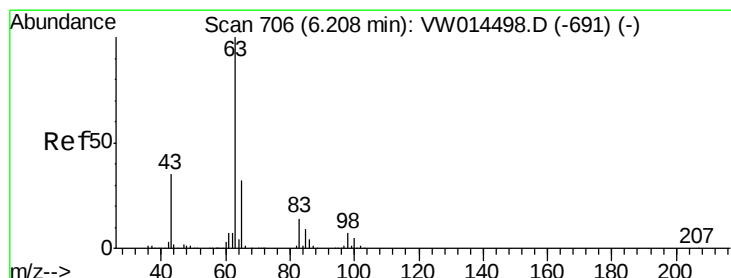
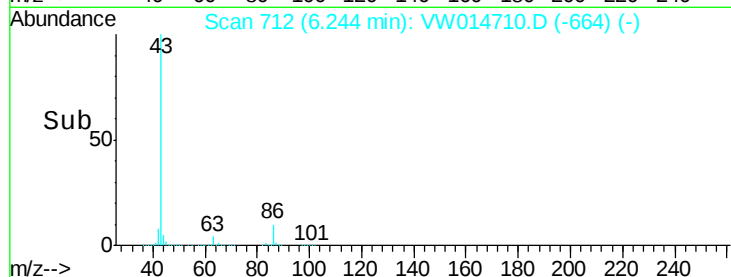
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.662 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

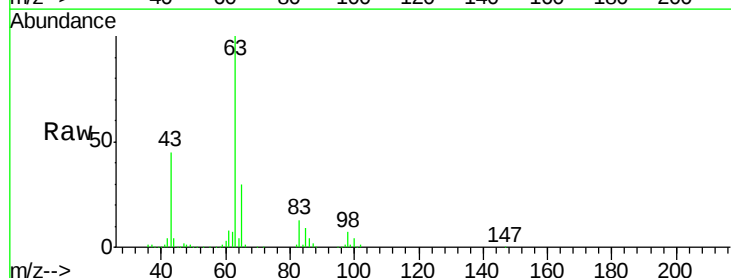
Tgt Ion: 63 Resp: 637000

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.3 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

250000

200000

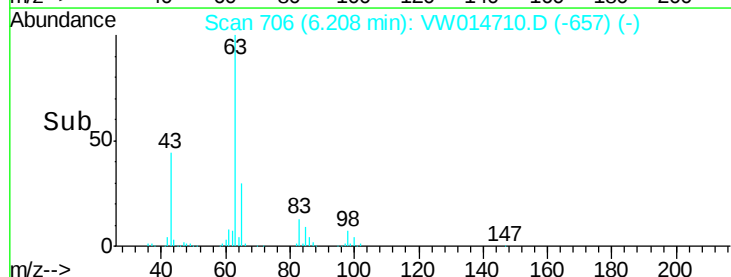
150000

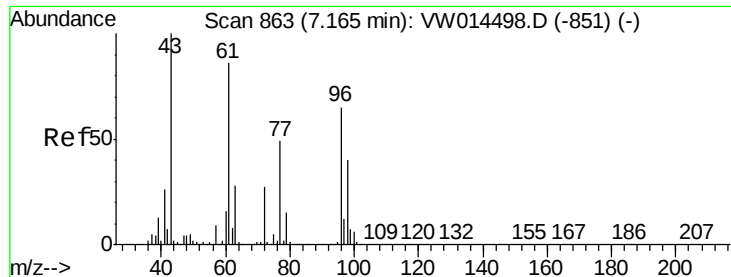
100000

50000

0

Time-->





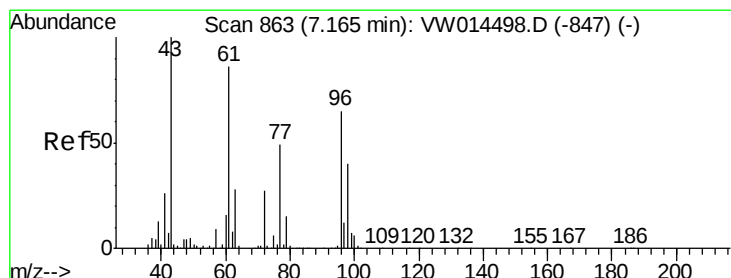
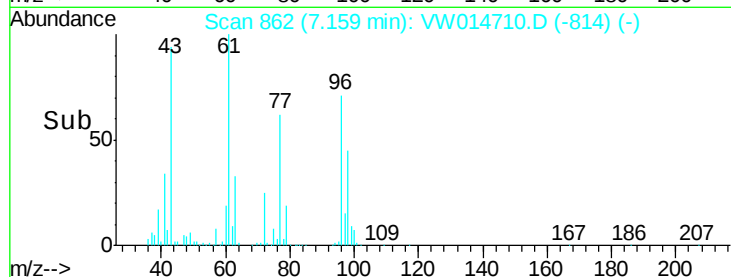
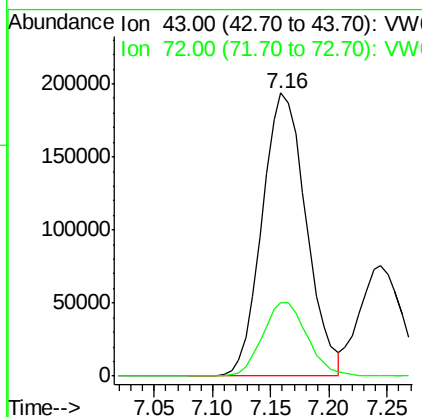
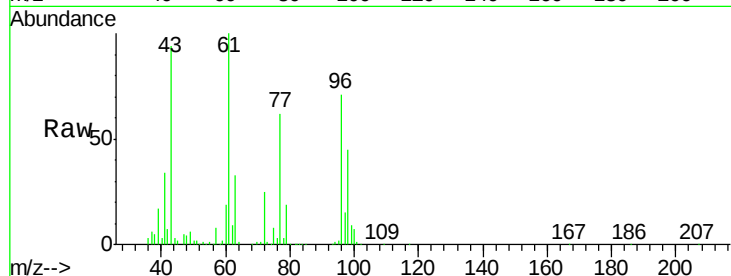
#25
2-Butanone
Concen: 219.770 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 507631
Ion Ratio Lower Upper
43 100
72 26.0 21.9 32.9

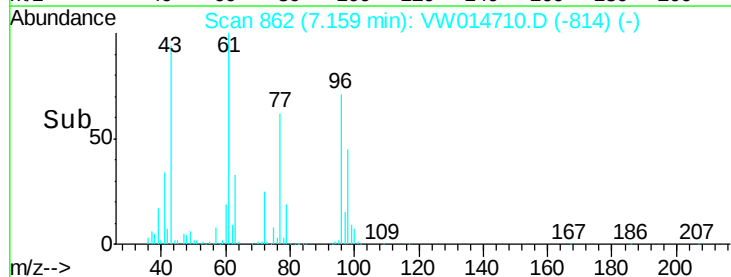
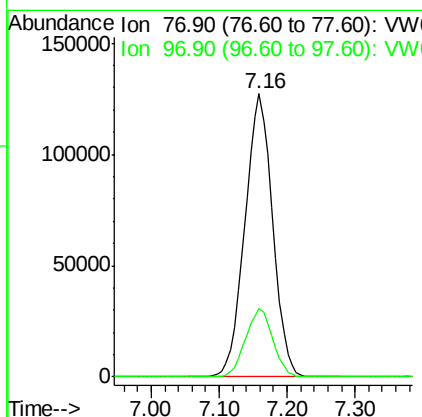
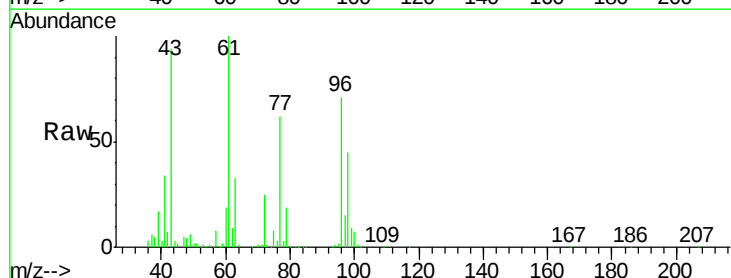
Manual Integrations
APPROVED

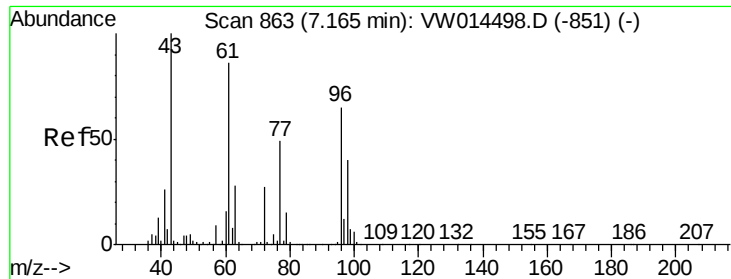
MMDadoda
1/23/2020 2:33:01 PM



#26
2,2-Dichloropropane
Concen: 49.742 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion: 77 Resp: 360501
Ion Ratio Lower Upper
77 100
97 23.7 12.5 37.5





#27

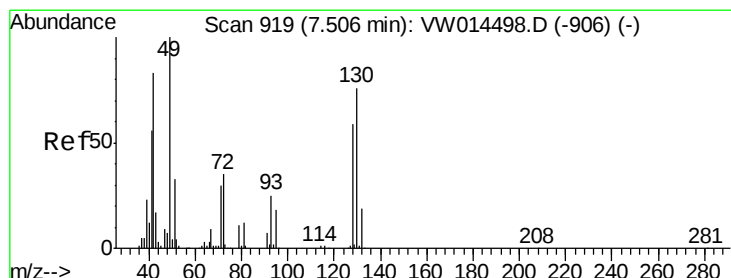
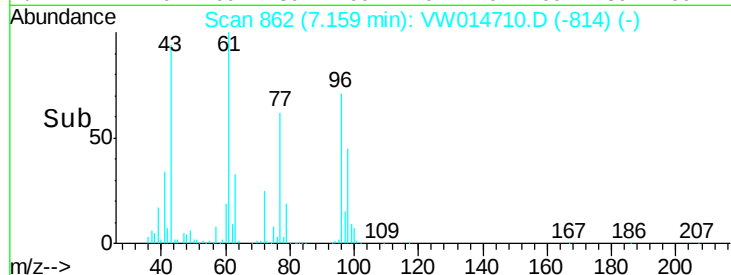
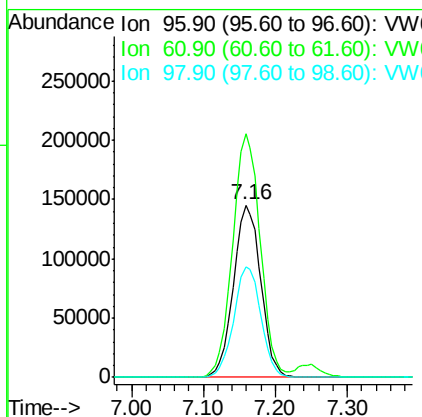
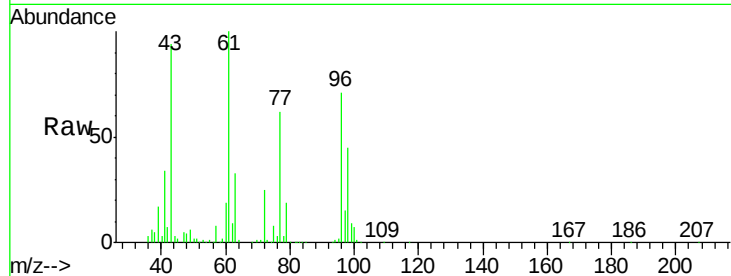
cis-1,2-Dichloroethene
Concen: 47.150 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	381671		
61	143.2	0.0	274.8	
98	63.7	0.0	128.6	

Manual Integrations
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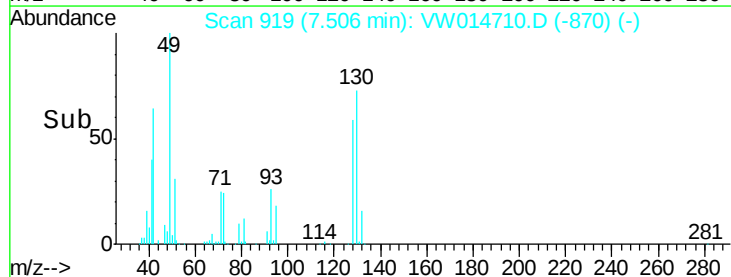
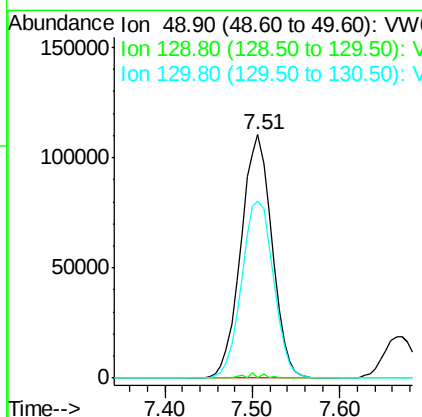
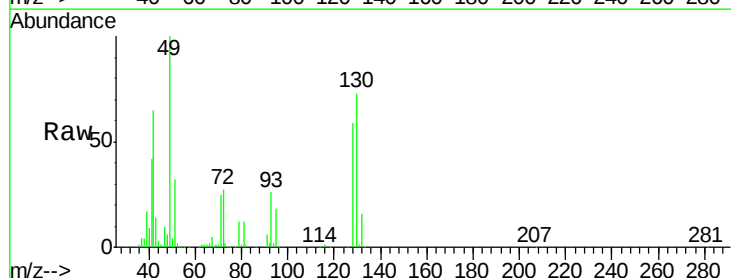
MMDadoda
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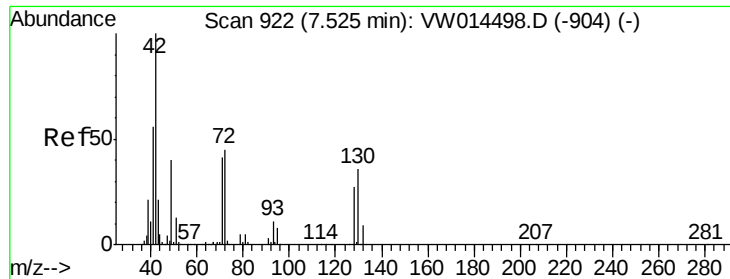


#28

Bromochloromethane
Concen: 53.052 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	272265		
129	0.8	0.0	2.0	
130	75.1	62.5	93.7	





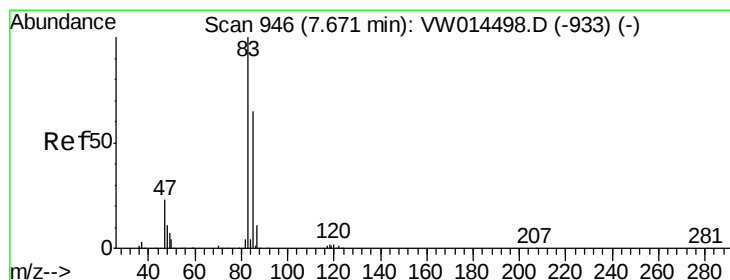
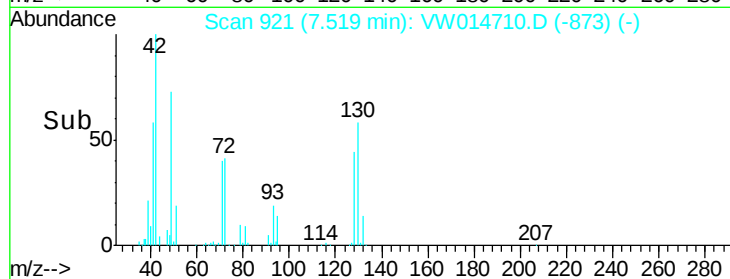
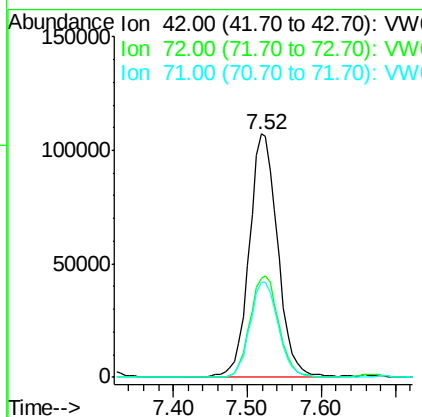
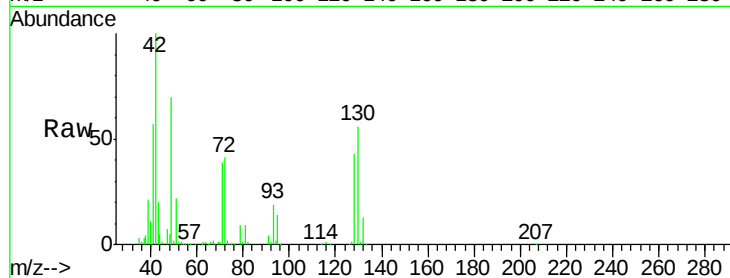
#29
Tetrahydrofuran
Concen: 200.172 ug/l
RT: 7.52 min Scan# 921
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
42	100		
72	42.1	34.5	51.7
71	39.1	32.0	48.0

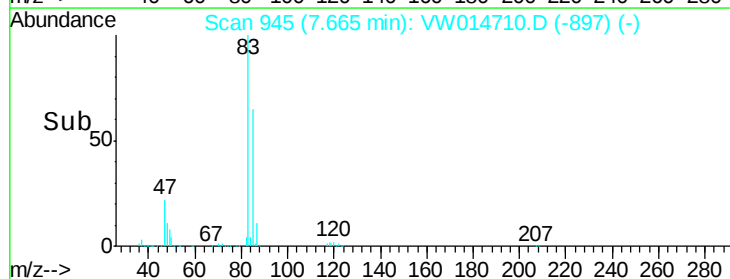
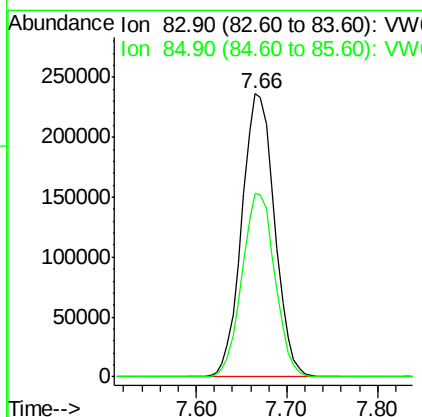
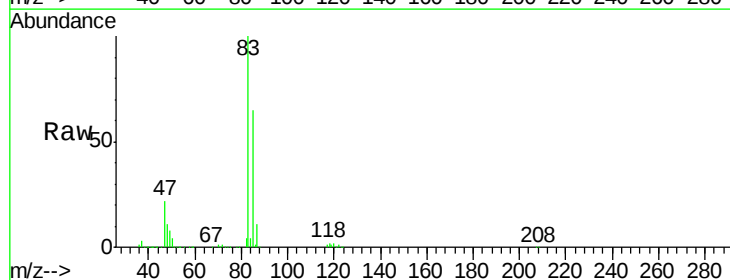
Manual Integrations
APPROVED

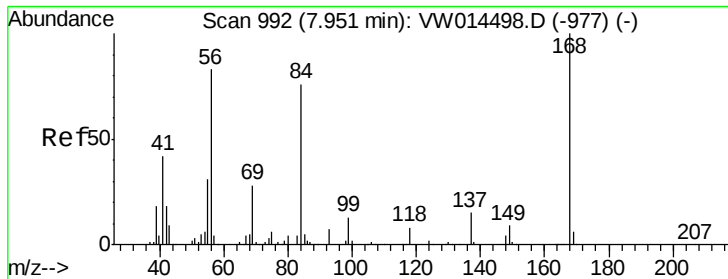
MMDadoda
1/23/2020 2:33:01 PM



#30
Chloroform
Concen: 48.191 ug/l
RT: 7.66 min Scan# 945
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Resp Lower	Upper
83	100		
85	65.0	52.2	78.2





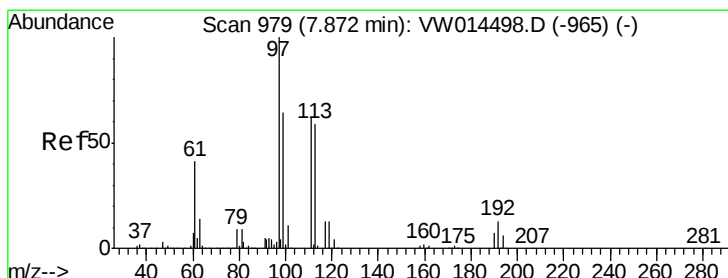
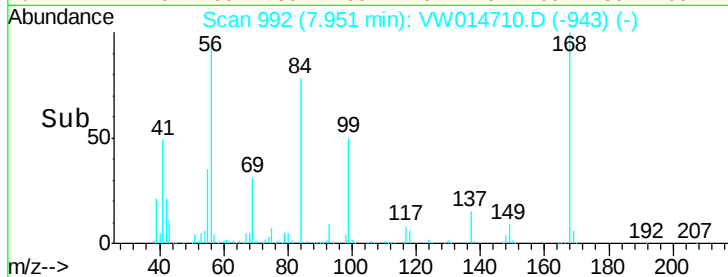
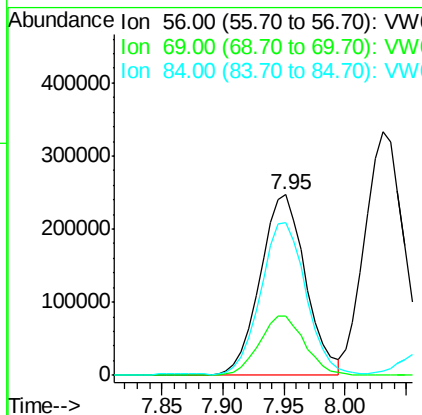
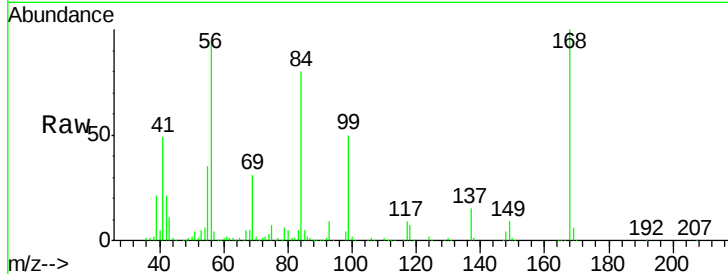
#31
Cyclohexane
Concen: 46.987 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.8	40.2
84	84.0	71.8	107.6

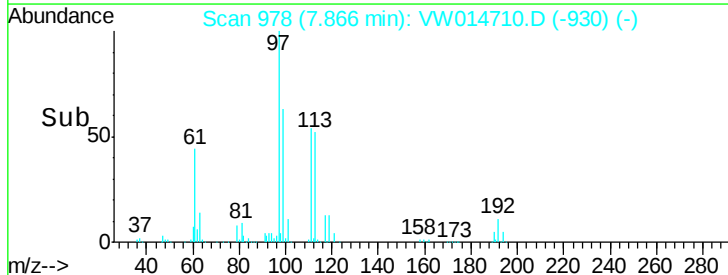
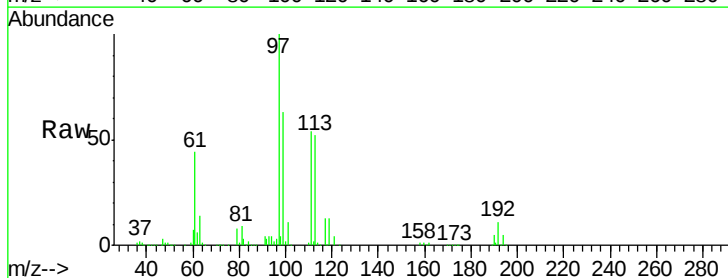
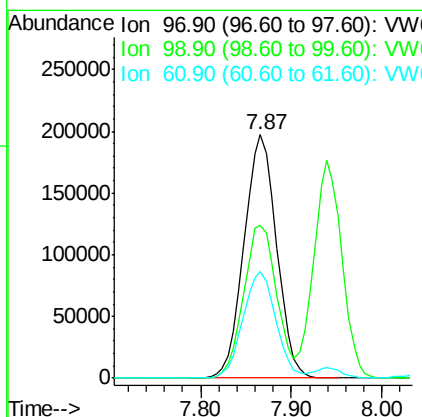
Manual Integrations
APPROVED

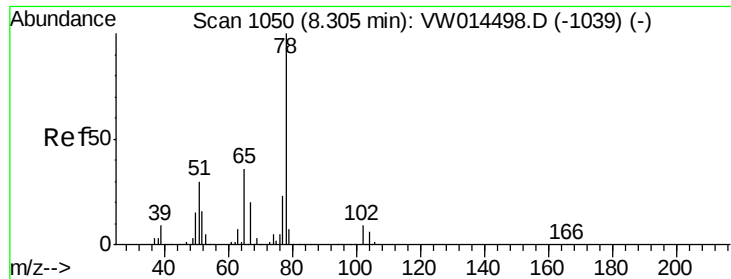
MMDadoda
1/23/2020 2:33:01 PM



#32
1,1,1-Trichloroethane
Concen: 49.780 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.8	77.6
61	44.2	33.8	50.8





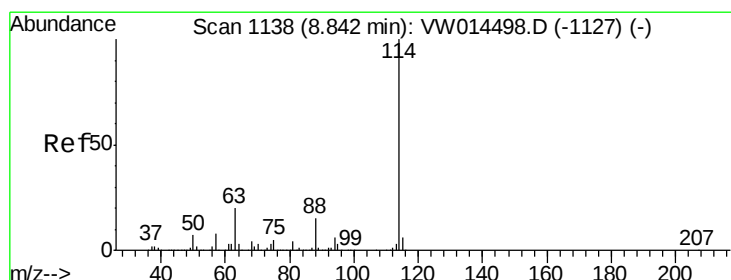
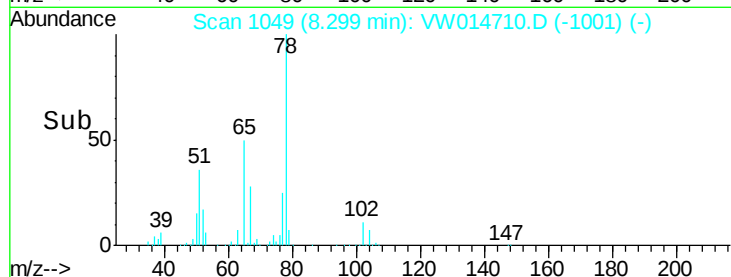
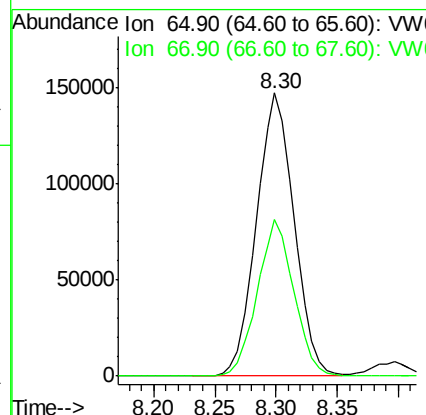
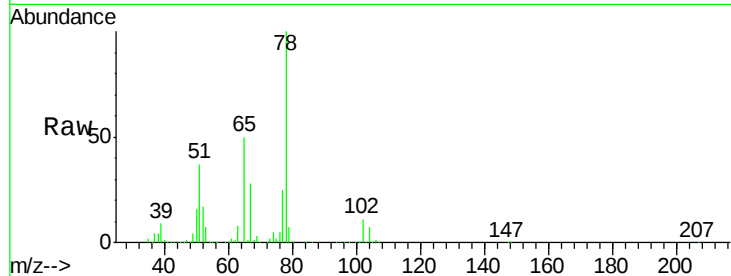
#33
 1,2-Dichloroethane-d4
 Concen: 49.499 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	108.4

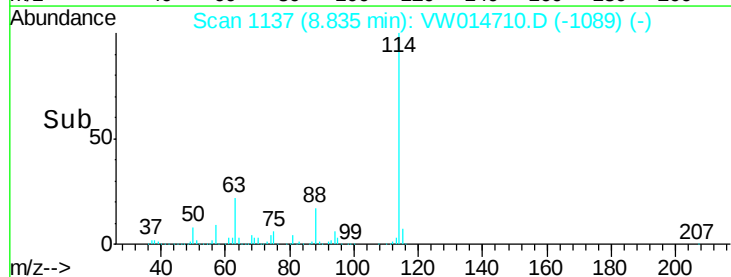
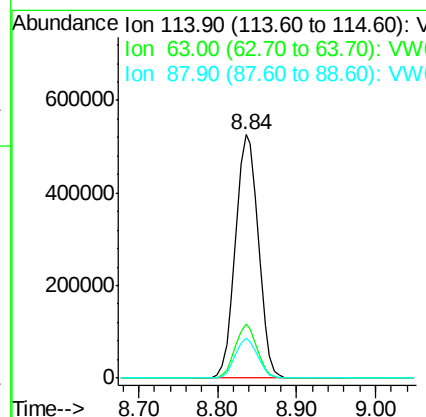
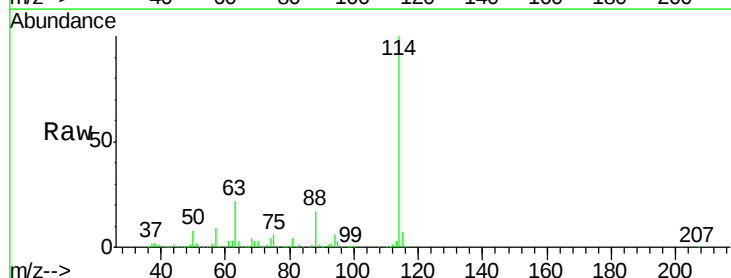
Manual Integrations
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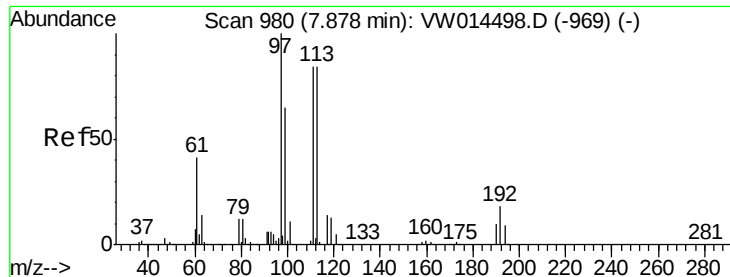
MMDadoda
 1/23/2020 2:33:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	40.4
88	16.5	0.0	30.6





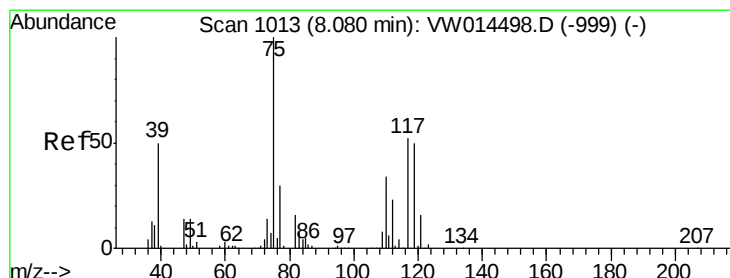
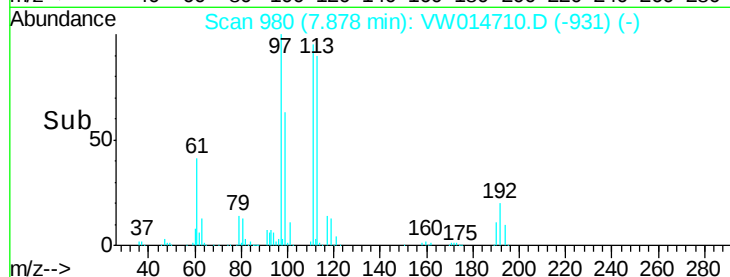
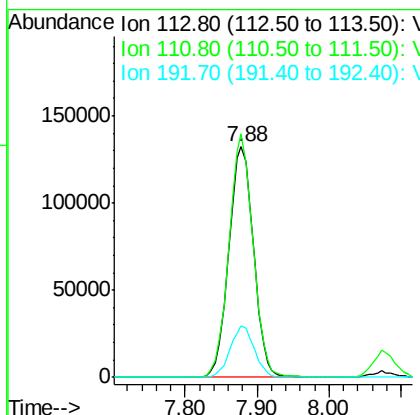
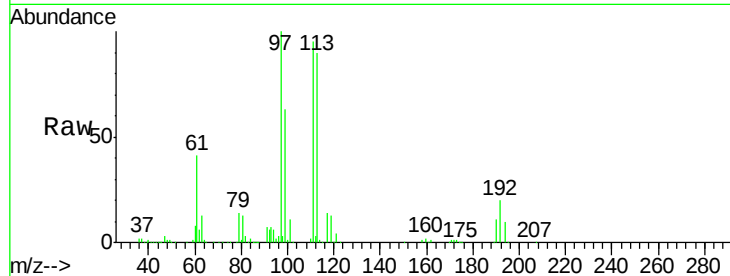
#35
 Dibromofluoromethane
 Concen: 51.778 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.2
192	21.6	17.8	26.8

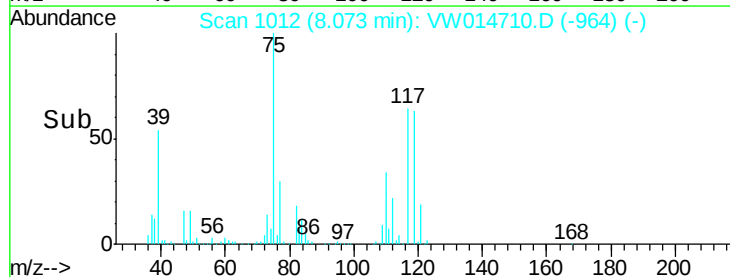
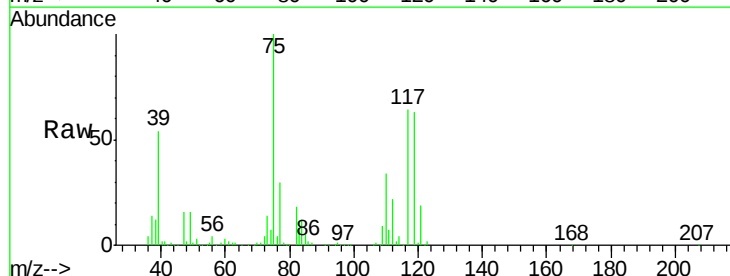
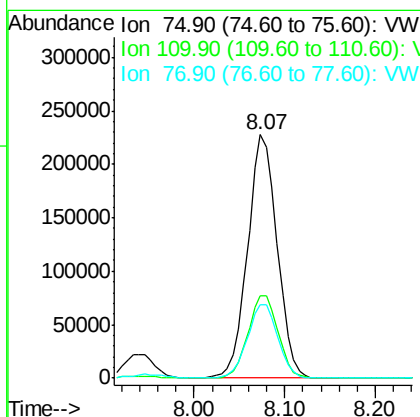
Manual Integrations
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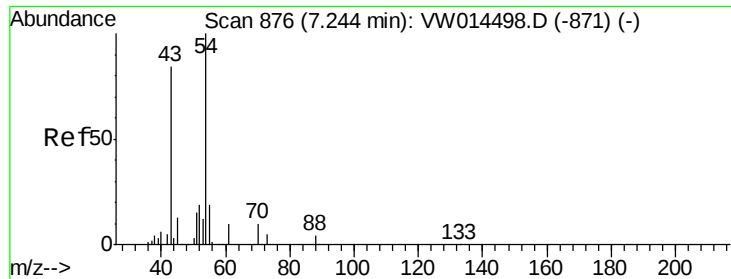
MMDadoda
 1/23/2020 2:33:01 PM



#36
 1,1-Dichloropropene
 Concen: 49.759 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.8	53.5
77	31.5	24.7	37.1





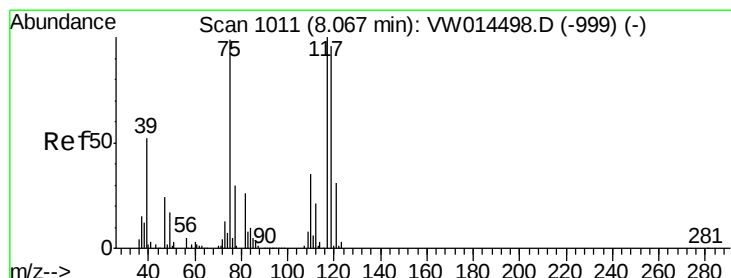
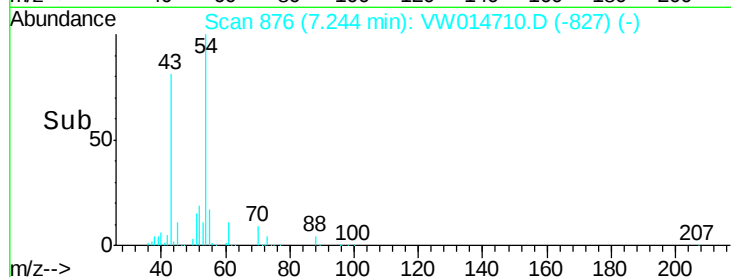
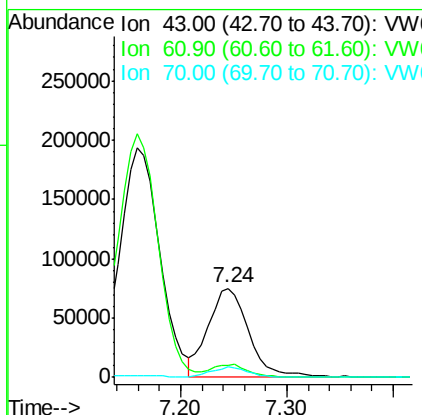
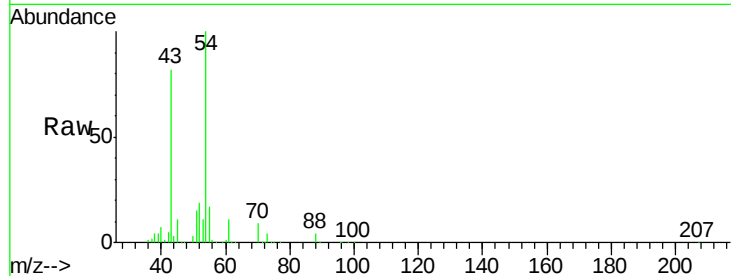
#37
Ethyl Acetate
Concen: 41.849 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.7	17.5
70	10.9	9.0	13.6

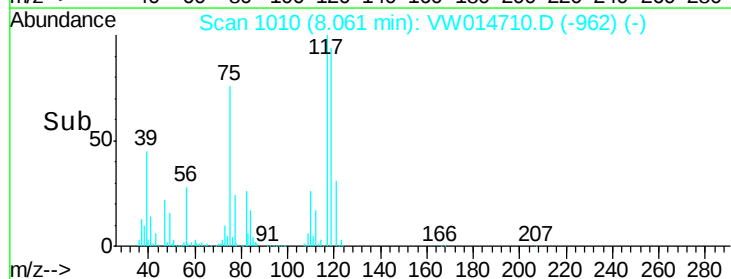
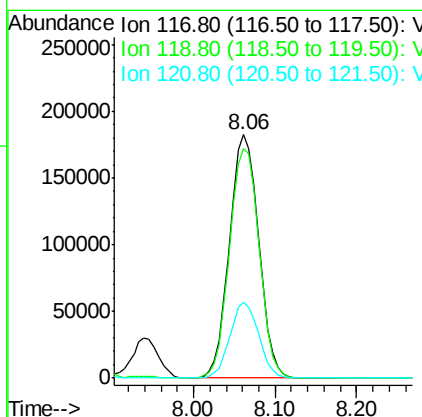
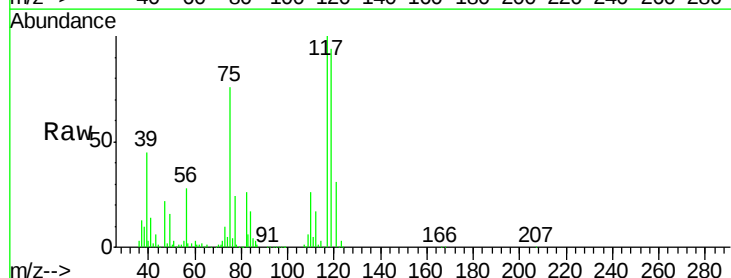
Manual Integrations
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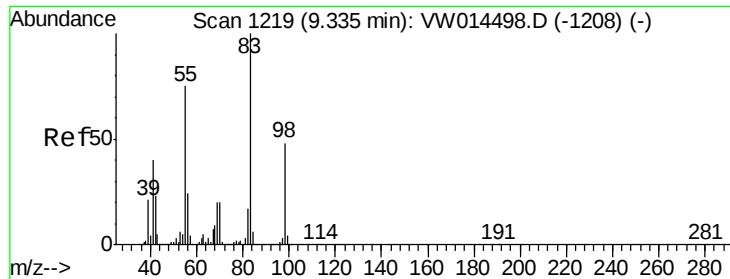
MMDadoda
1/23/2020 2:33:01 PM



#38
Carbon Tetrachloride
Concen: 50.501 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.0	115.6
121	31.3	24.6	36.8





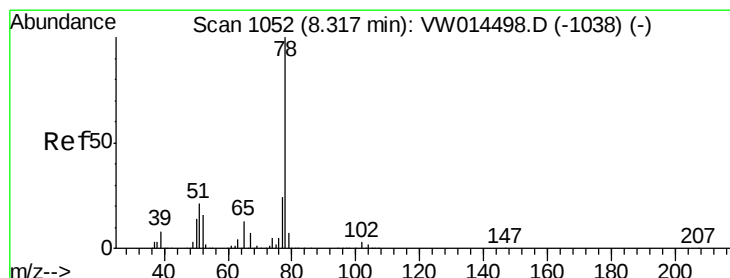
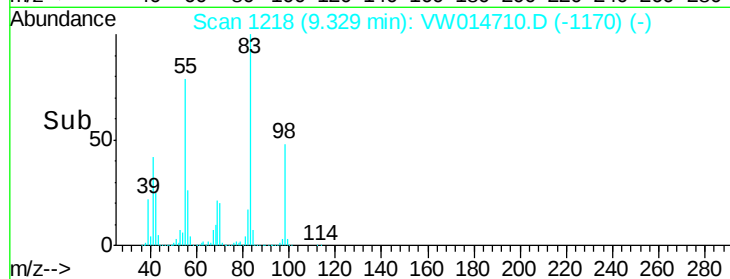
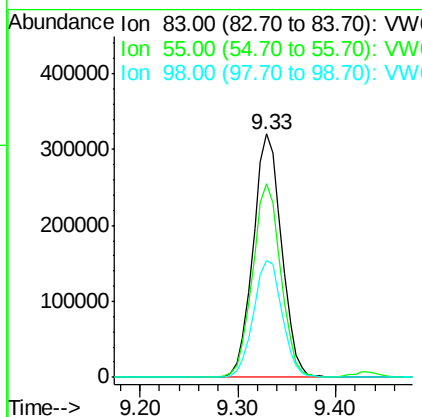
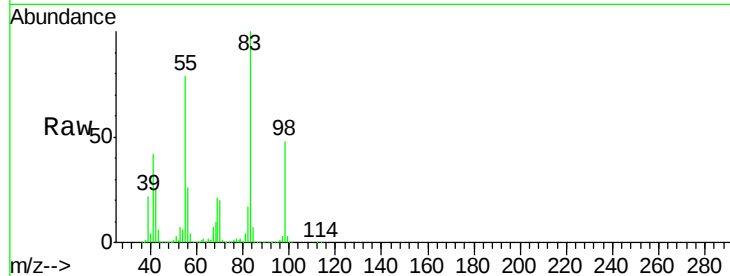
#39
Methvlcvclohexane
Concen: 48.974 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	60.1	90.1
98	47.9	38.8	58.2

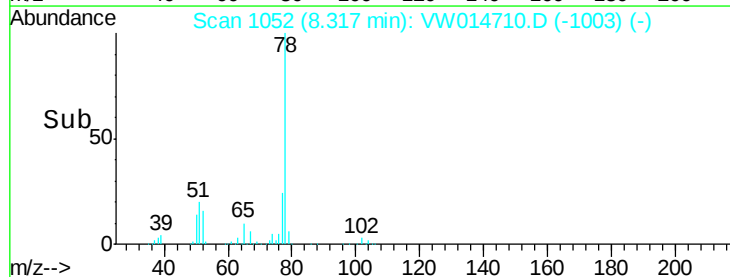
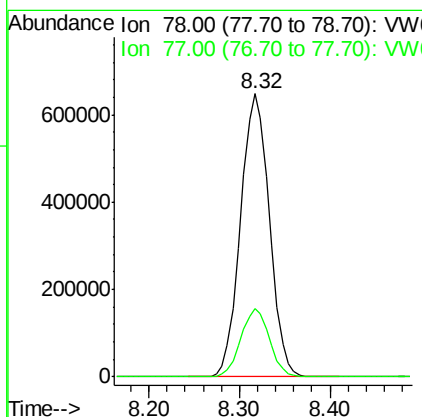
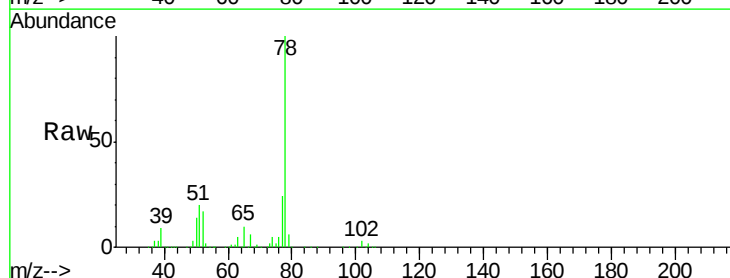
Manual Integrations
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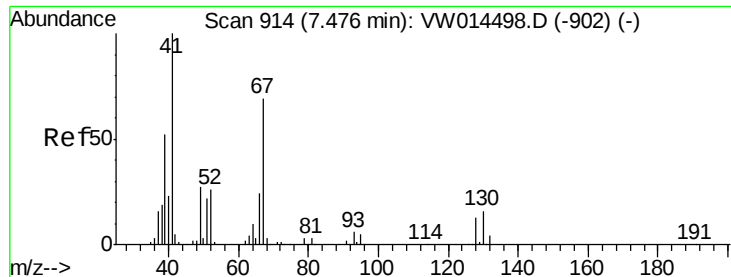
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1/23/2020 2:33:01 PM



#40
Benzene
Concen: 49.024 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9





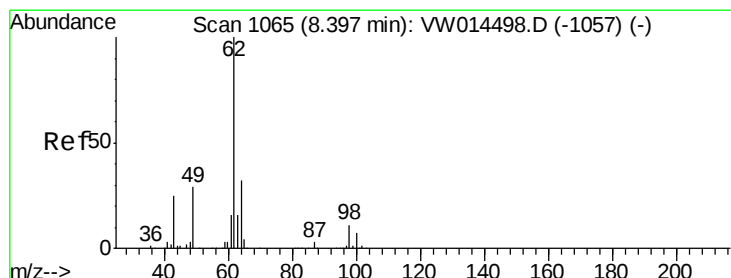
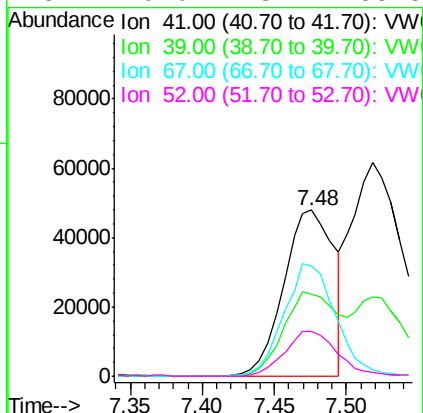
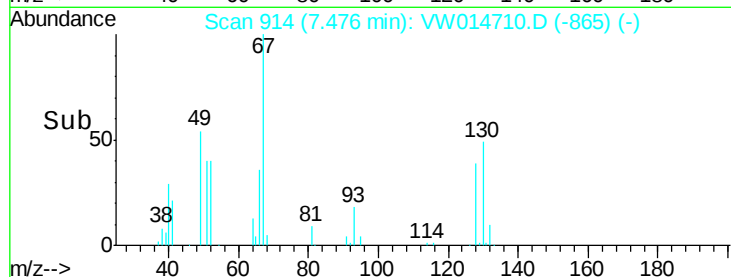
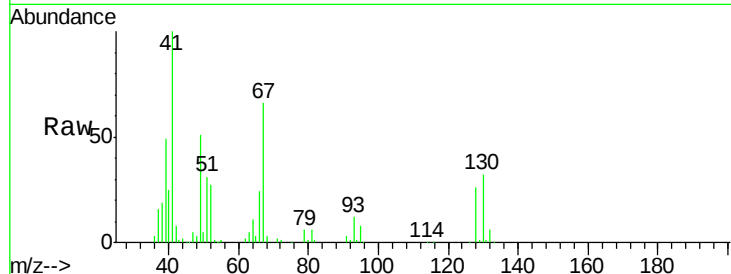
#41
Methacrylonitrile
Concen: 44.686 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	46.0	69.0
67	70.3	60.8	91.2
52	29.0	23.7	35.5

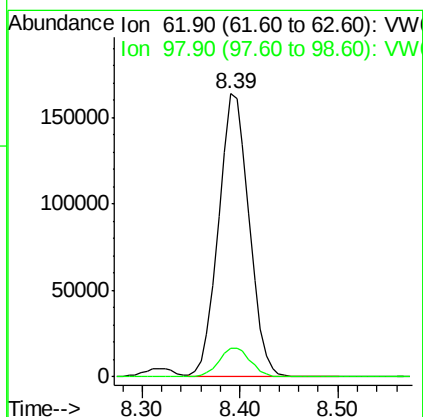
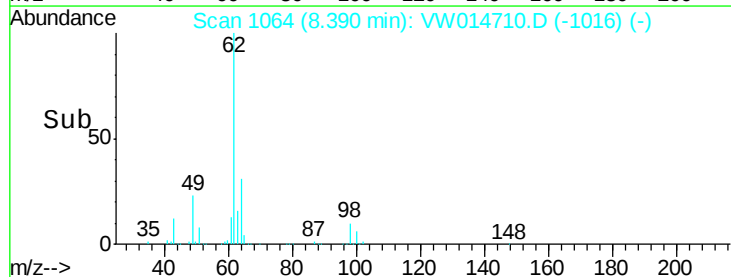
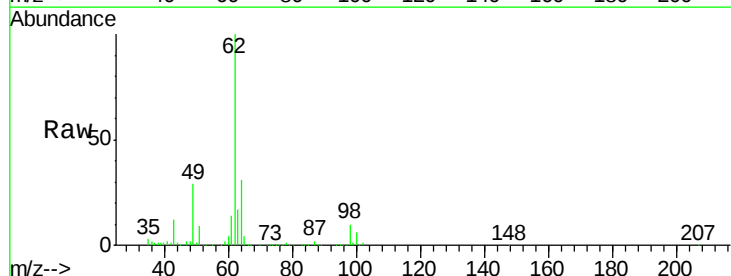
Manual Integrations
APPROVED

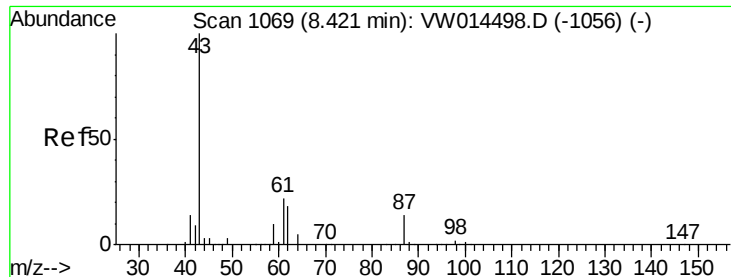
MMDadoda
1/23/2020 2:33:01 PM



#42
1,2-Dichloroethane
Concen: 47.015 ug/l
RT: 8.39 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	22.0





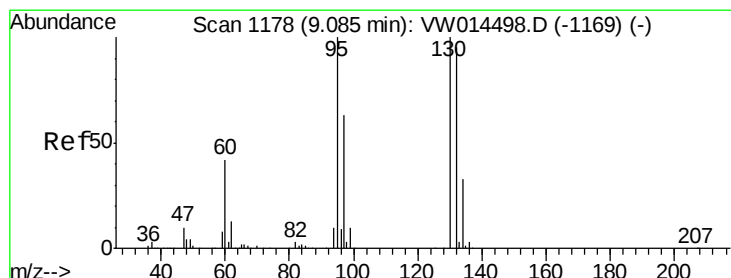
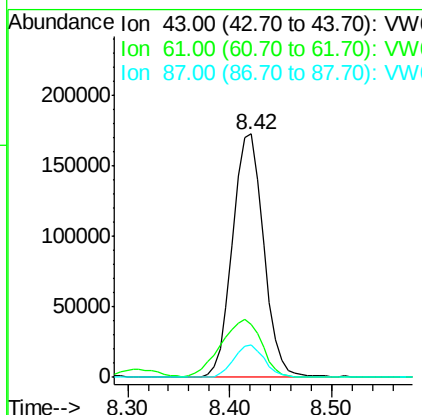
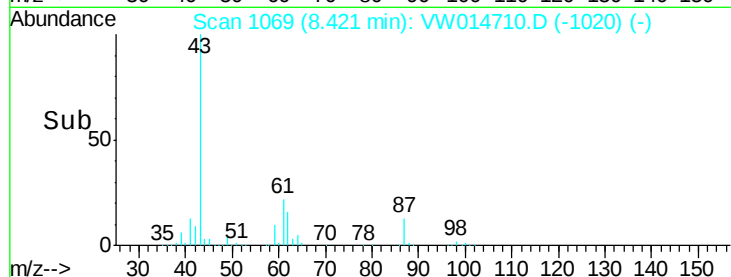
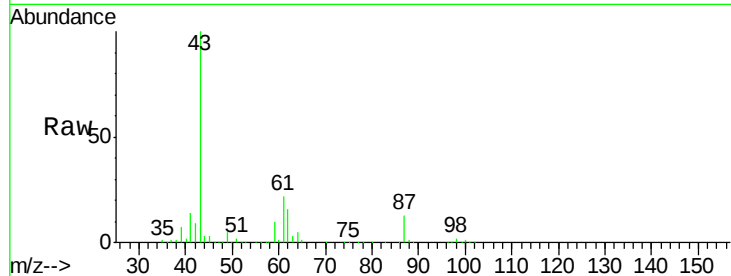
#43
Isopropyl Acetate
Concen: 42.935 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.2	24.7	37.1
87	13.0	11.1	16.7

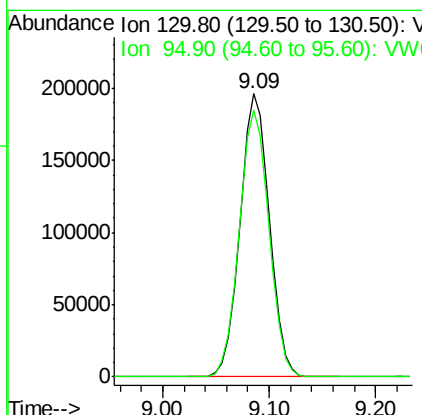
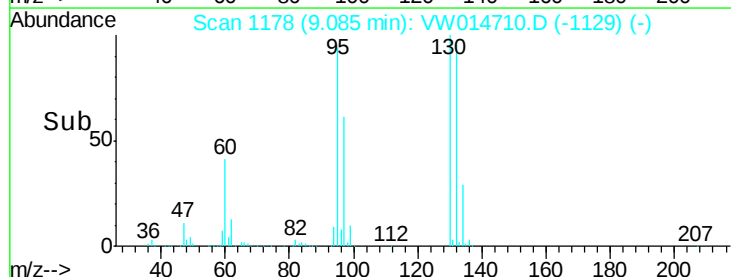
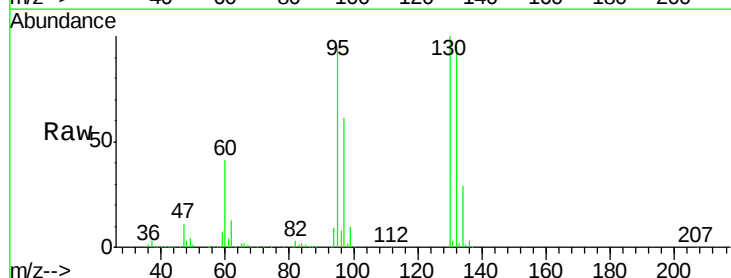
Manual Integrations
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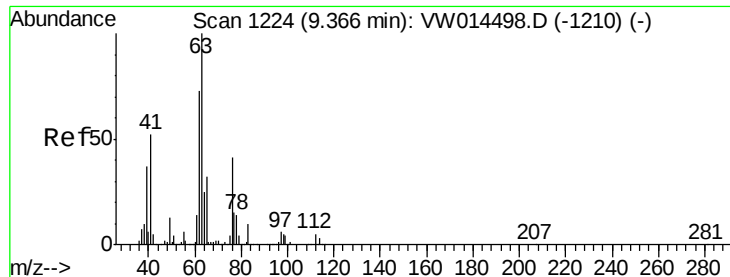
MMDadoda
1/23/2020 2:33:01 PM



#44
Trichloroethene
Concen: 48.411 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	199.4





#45

1,2-Dichloropropane

Concen: 48.934 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 349140

Ion Ratio Lower Upper

63 100

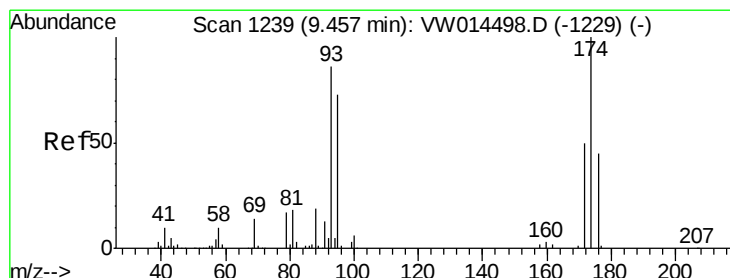
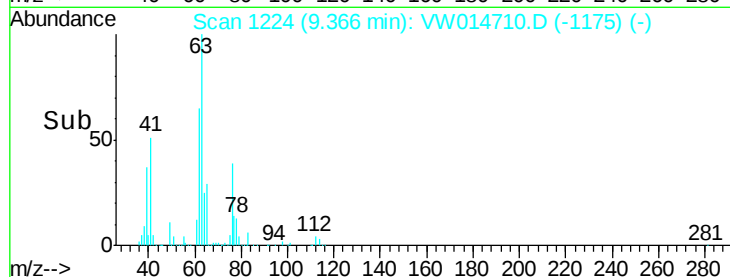
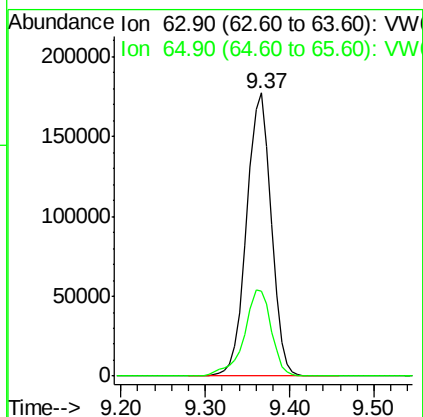
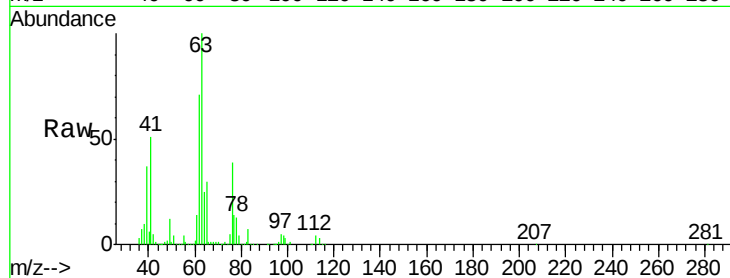
65 30.2 25.6 38.4

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#46

Dibromomethane

Concen: 44.725 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

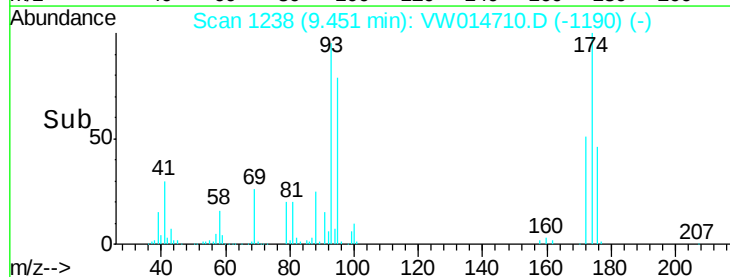
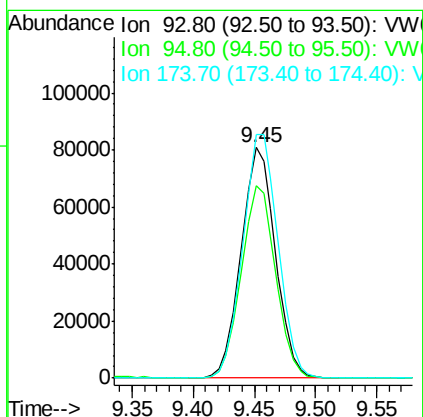
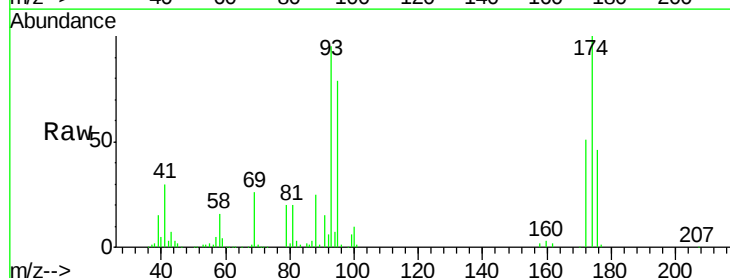
Tgt Ion: 93 Resp: 157533

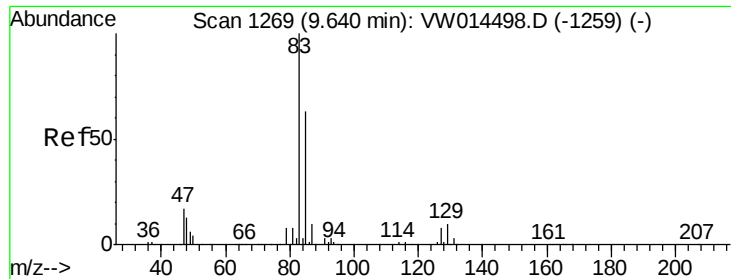
Ion Ratio Lower Upper

93 100

95 83.6 66.4 99.6

174 109.0 89.1 133.7





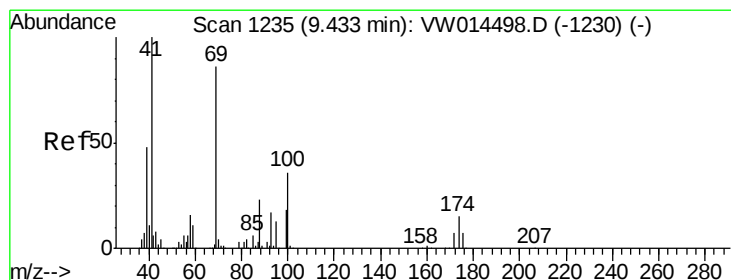
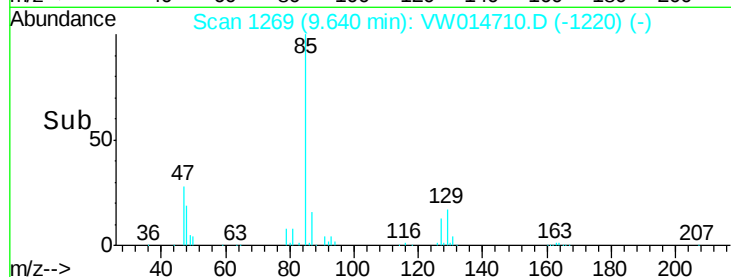
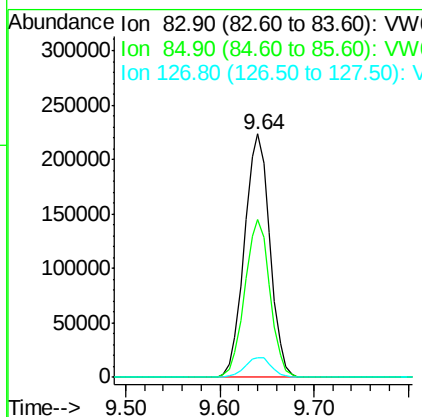
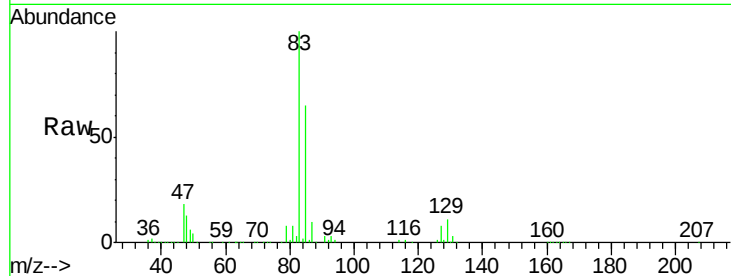
#47
Bromodichloromethane
Concen: 48.607 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	422694		
85	64.9	50.6	76.0	
127	8.3	6.6	9.8	

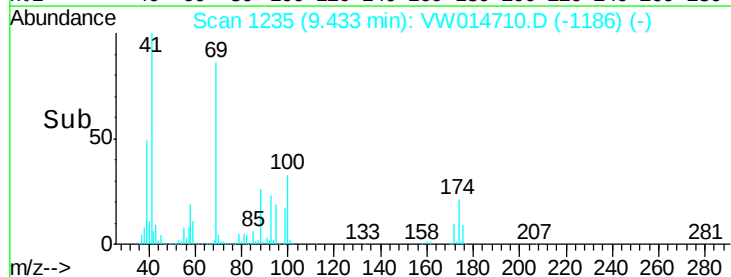
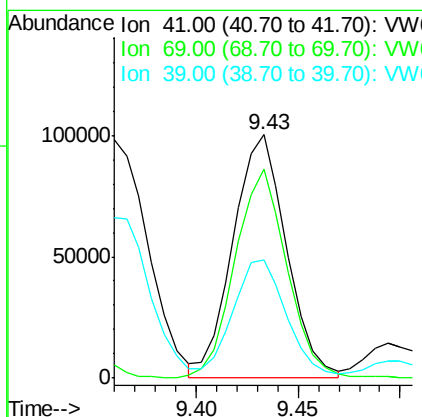
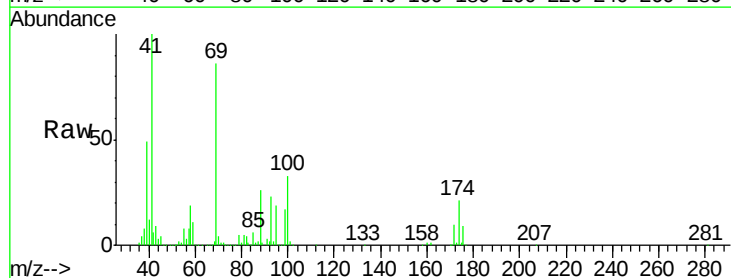
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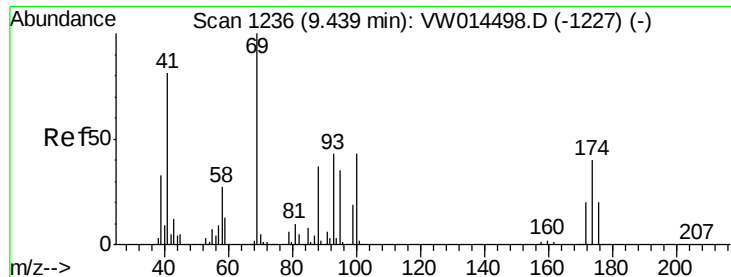
MMDadoda
1/23/2020 2:33:01 PM



#48
Methyl methacrylate
Concen: 44.123 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	182322		
69	84.1	68.3	102.5	
39	46.1	36.8	55.2	





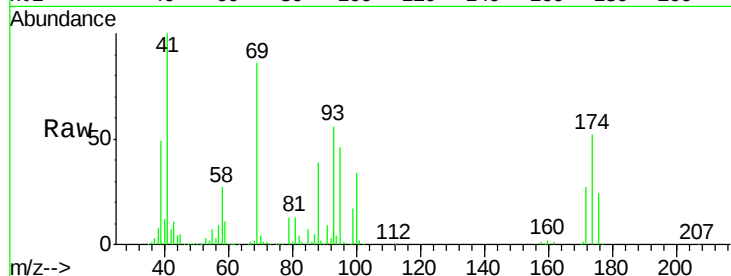
#49
1,4-Dioxane
Concen: 922.644 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.9	37.3
58	73.6	56.9	85.3

Manual Integrations
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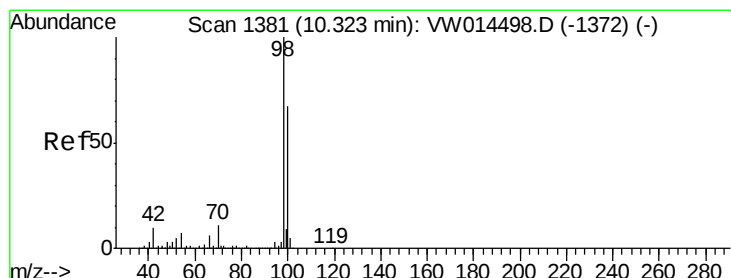
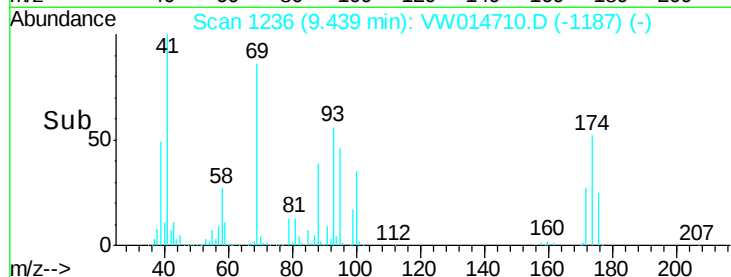
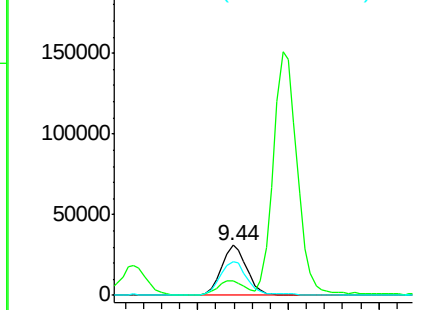


Abundance

Ion 88.00 (87.70 to 88.70): VW

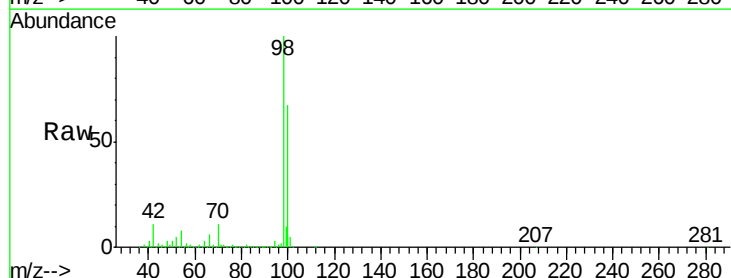
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 51.757 ug/l
RT: 10.32 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

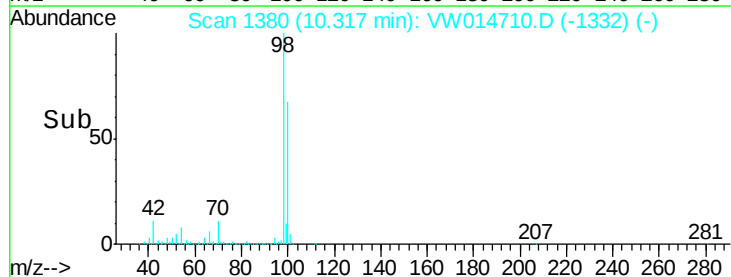
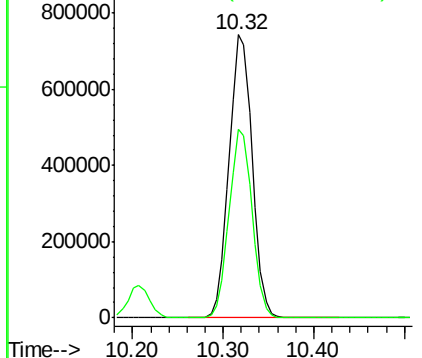
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.8	80.6

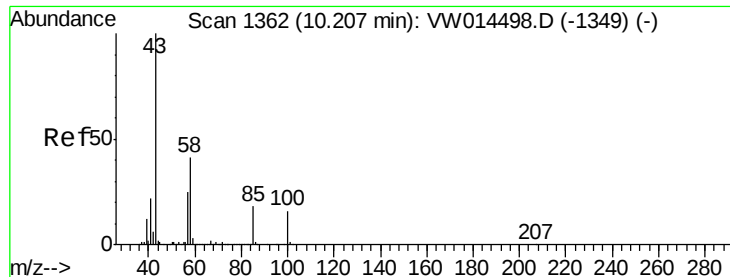


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 210.702 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 926041

Ion Ratio Lower Upper

43 100

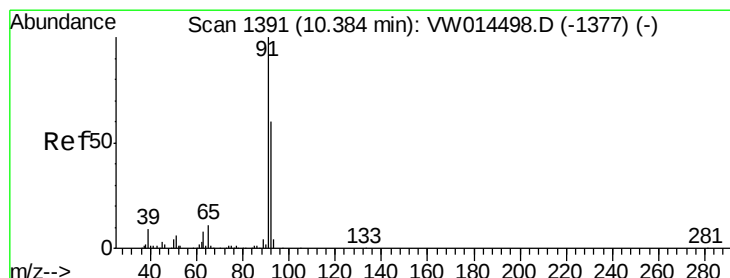
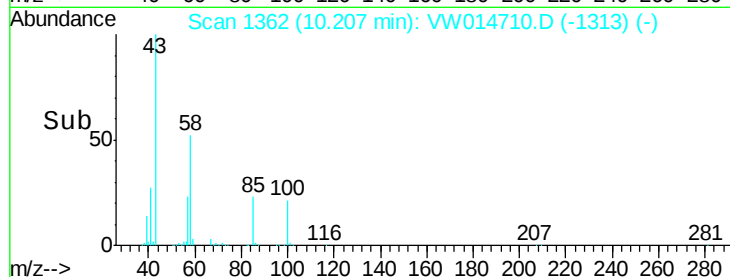
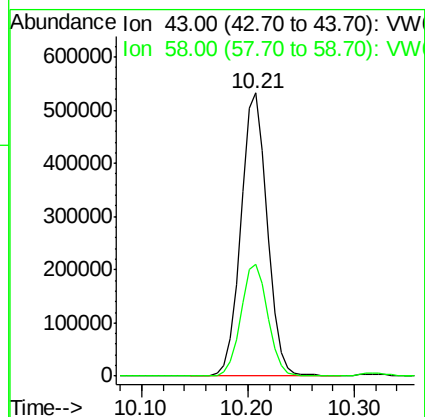
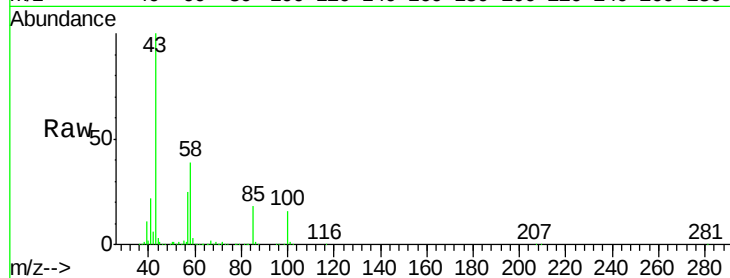
58 40.2 32.7 49.1

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#52

Toluene

Concen: 48.512 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014710.D

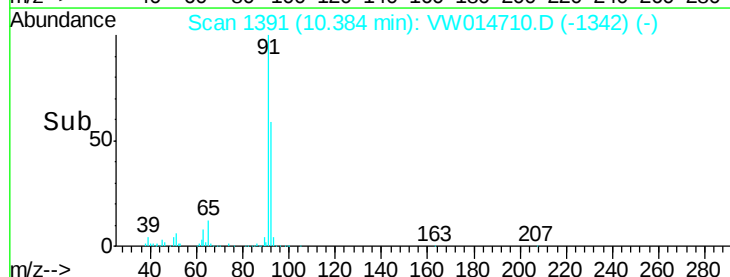
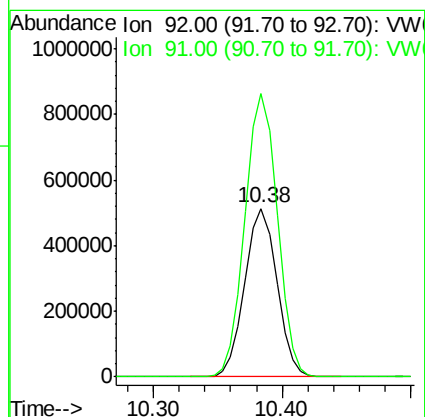
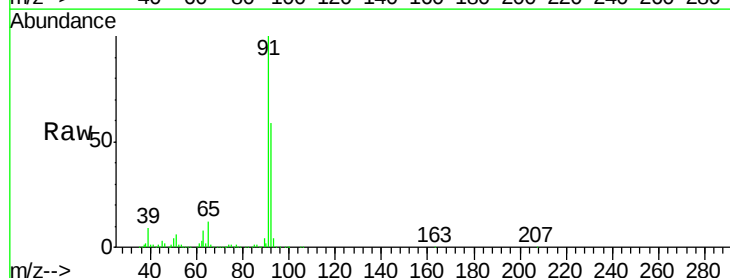
Acq: 22 Jan 2020 13:31

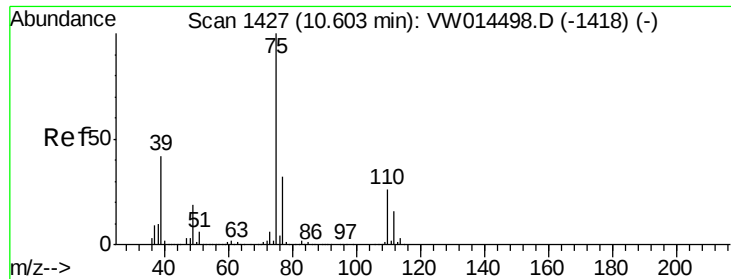
Tgt Ion: 92 Resp: 887388

Ion Ratio Lower Upper

92 100

91 170.1 134.1 201.1





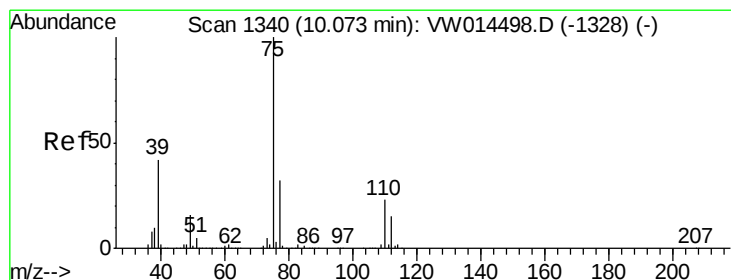
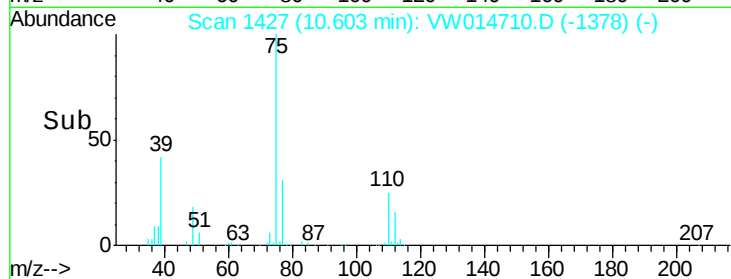
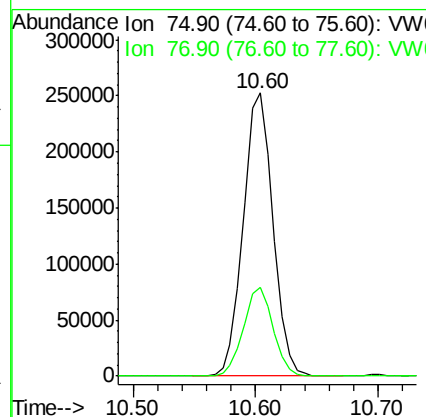
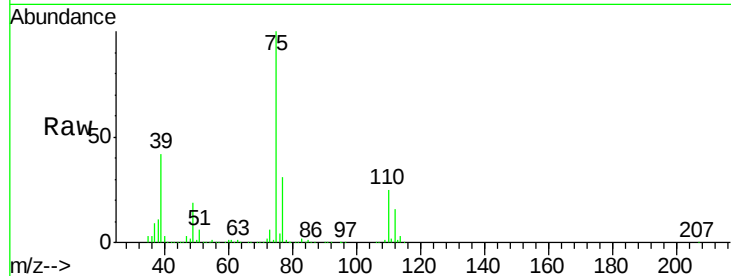
#53
 t-1,3-Dichloropropene
 Concen: 47.256 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion: 75 Resp: 425481
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.4 38.2

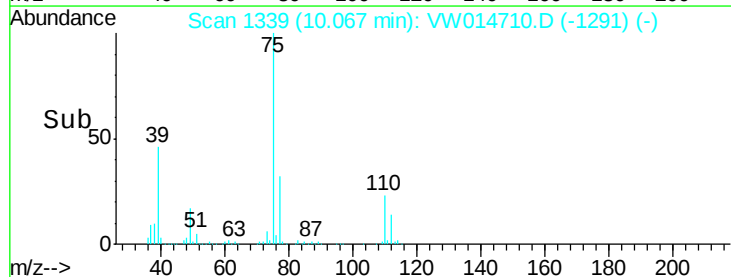
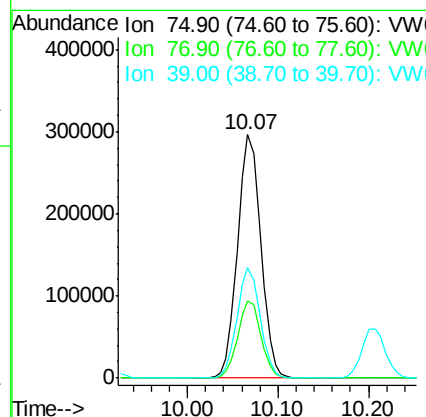
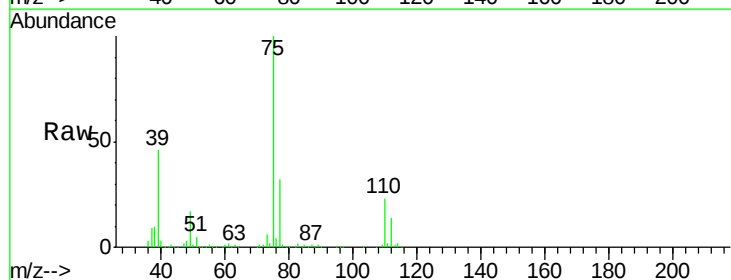
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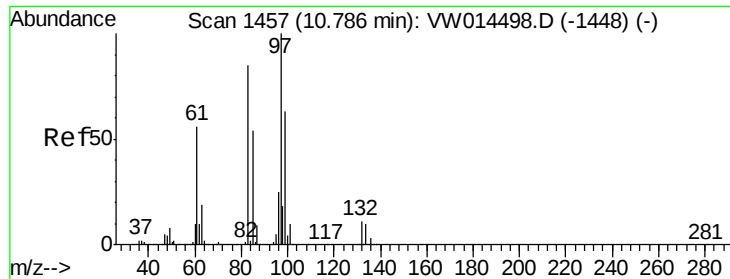
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#54
 cis-1,3-Dichloropropene
 Concen: 48.249 ug/l
 RT: 10.07 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Tgt Ion: 75 Resp: 530947
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.0
 39 45.5 33.4 50.2





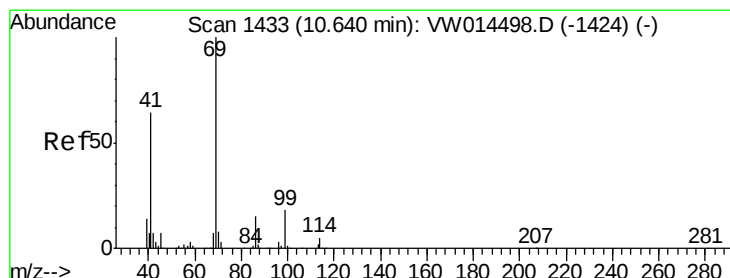
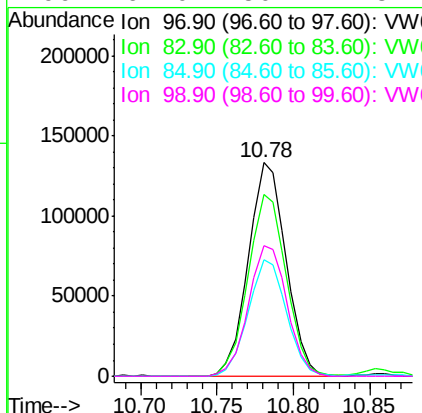
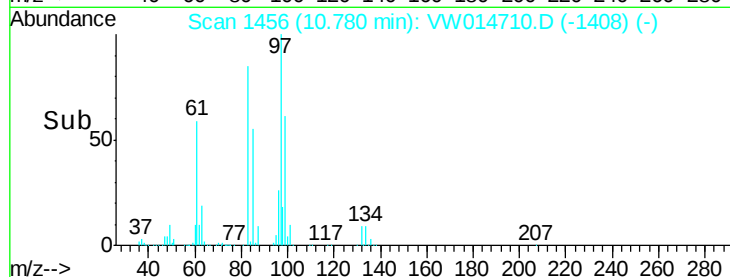
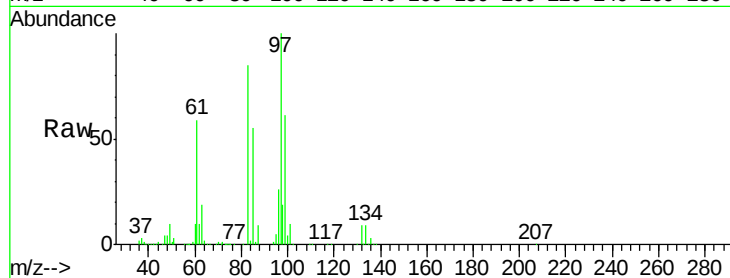
#55
 1,1,2-Trichloroethane
 Concen: 44.356 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		228176		
83	85.2	68.2	102.4		
85	54.8	43.0	64.4		
99	61.0	50.1	75.1		

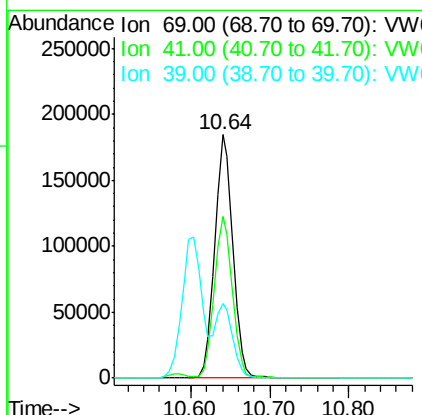
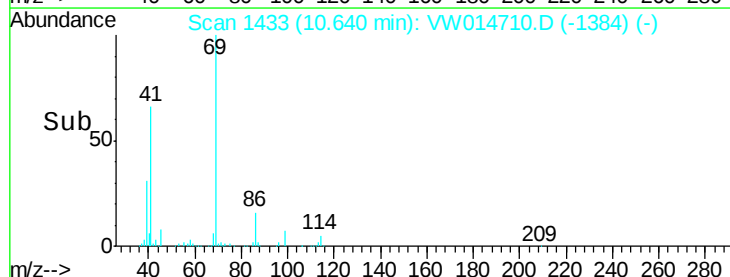
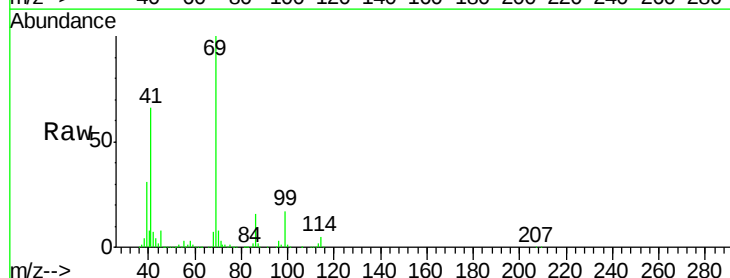
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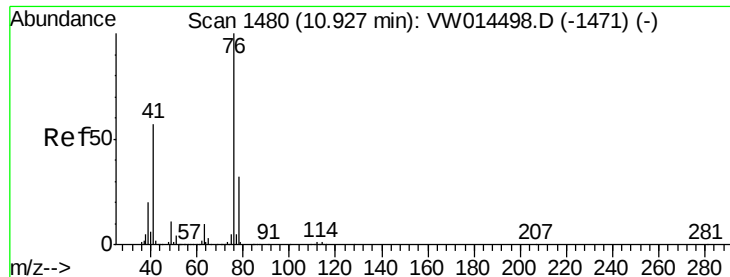
MMDadoda
 1/23/2020 2:33:01 PM



#56
 Ethyl methacrylate
 Concen: 44.225 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		295666		
41	66.3	51.3	76.9		
39	26.9	21.0	31.6		





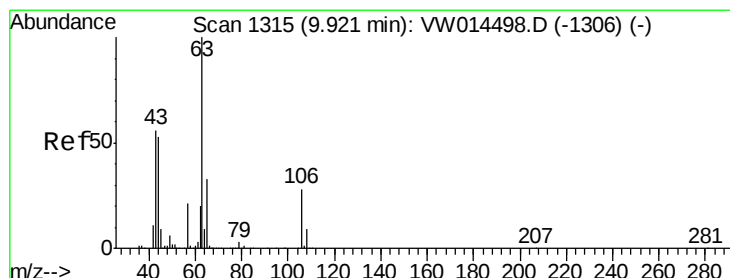
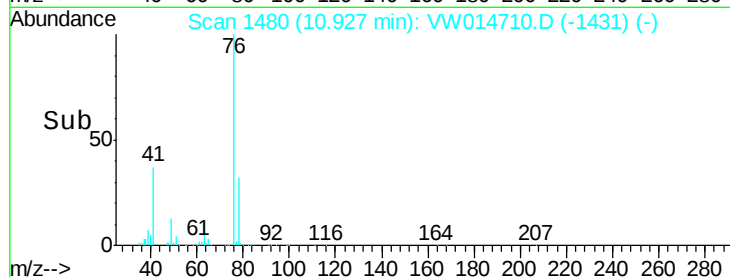
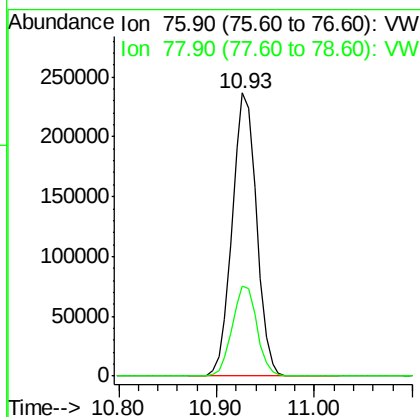
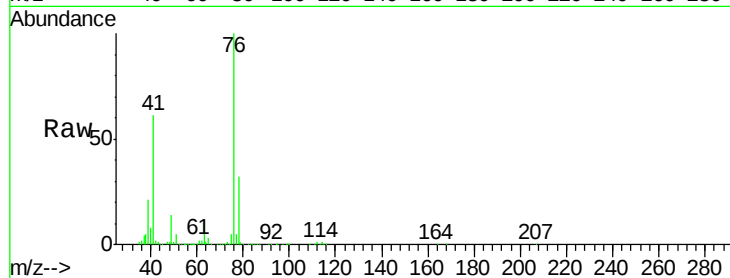
#57
 1,3-Dichloropropane
 Concen: 45.225 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 408883
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9

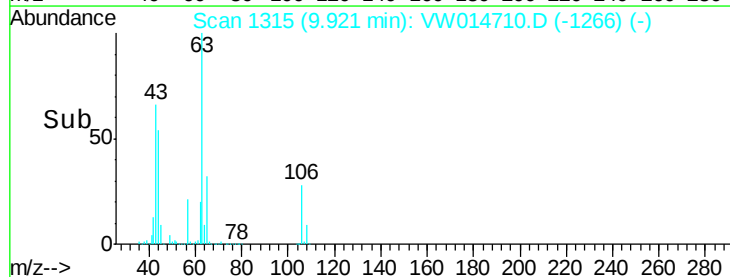
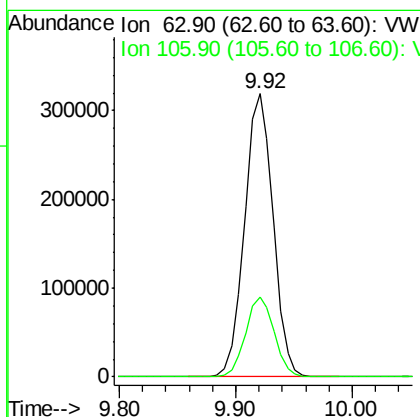
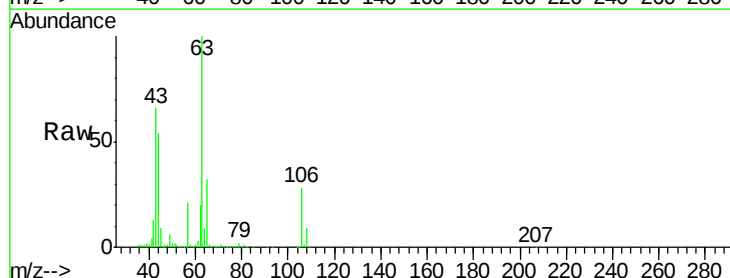
Manual Integrations
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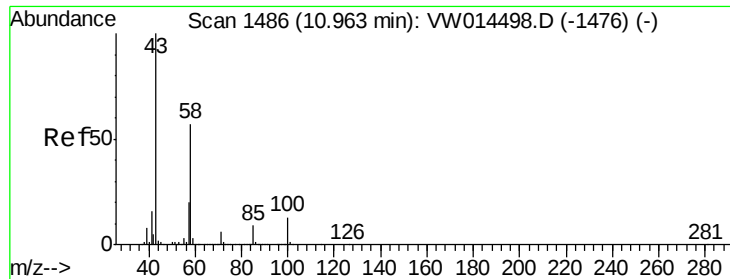
MMDadoda
 1/23/2020 2:33:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.042 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Tgt Ion: 63 Resp: 545000
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.0 34.6





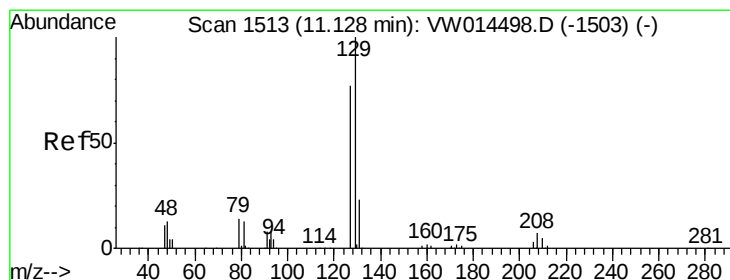
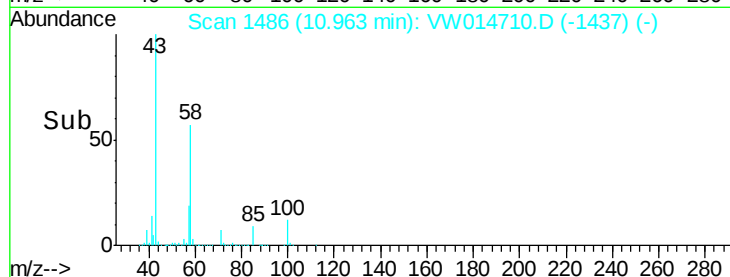
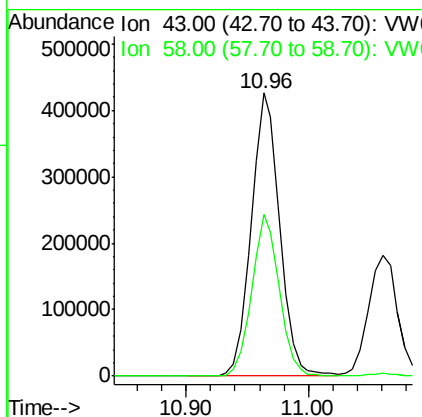
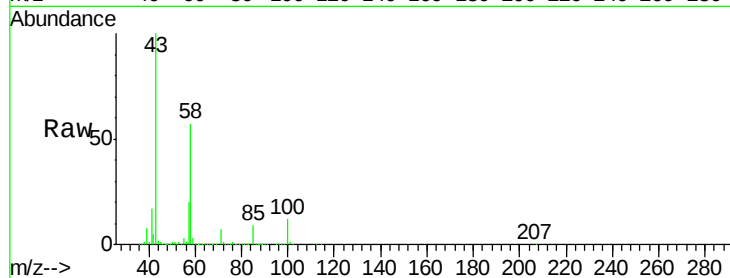
#59
2-Hexanone
Concen: 228.088 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 690781
Ion Ratio Lower Upper
43 100
58 55.2 28.7 86.3

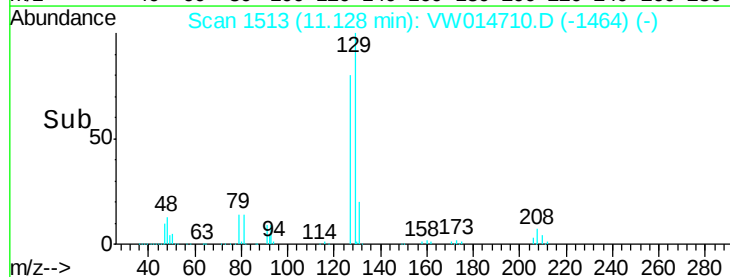
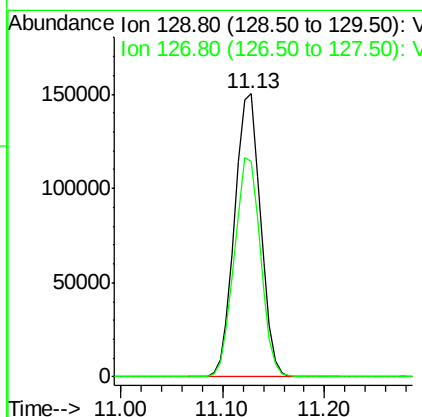
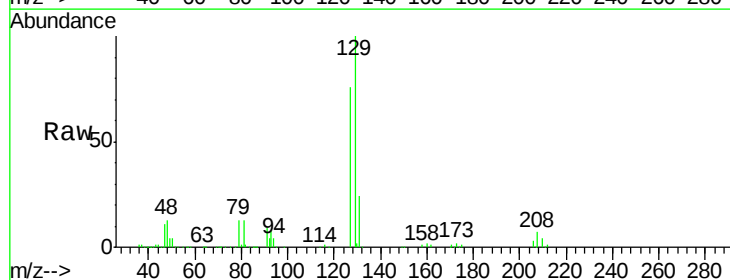
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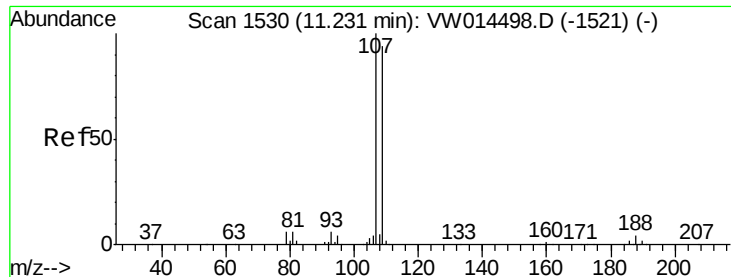
MMDadoda
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#60
Dibromochloromethane
Concen: 45.556 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion: 129 Resp: 264418
Ion Ratio Lower Upper
129 100
127 77.8 38.1 114.5





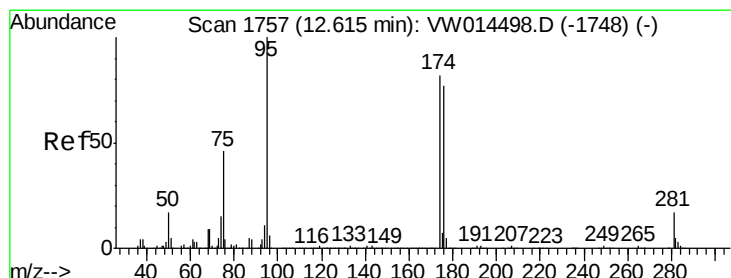
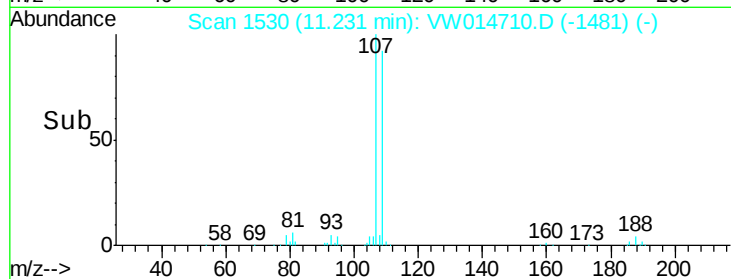
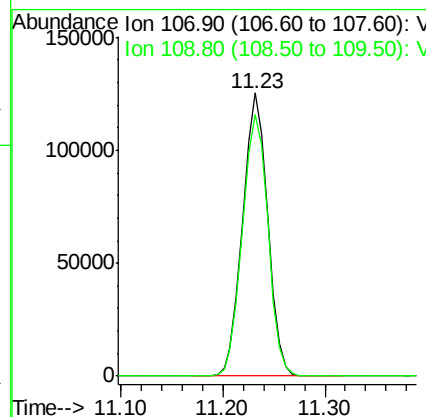
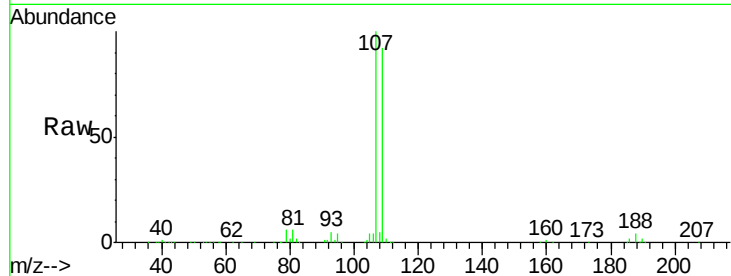
#61
 1,2-Dibromoethane
 Concen: 43.658 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	213182		
109	94.6	75.1	112.7	

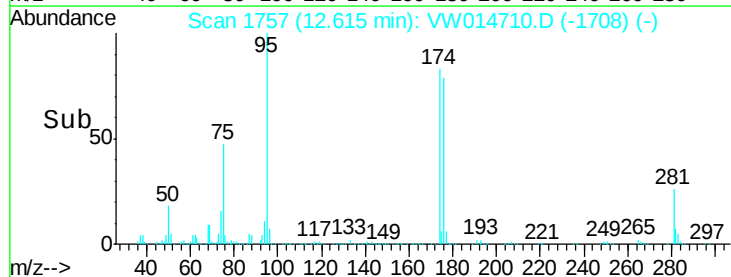
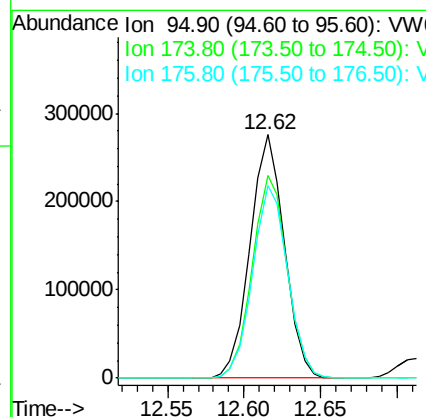
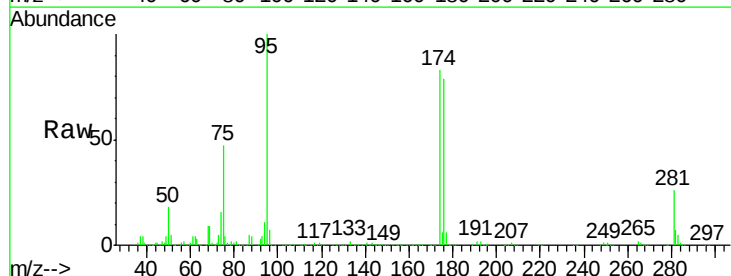
Manual Integrations
 APPROVED

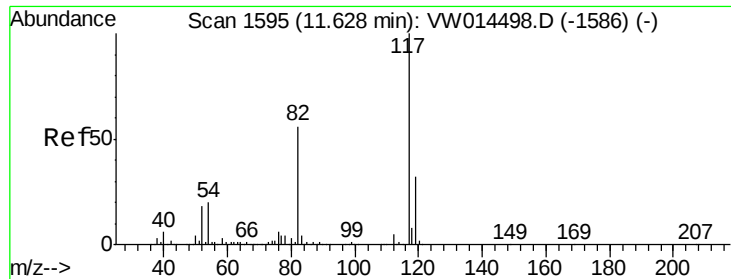
MMDadoda
 1/23/2020 2:33:01 PM



#62
 4-Bromofluorobenzene
 Concen: 49.792 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	429391		
174	84.7	0.0	168.6	
176	81.0	0.0	162.0	





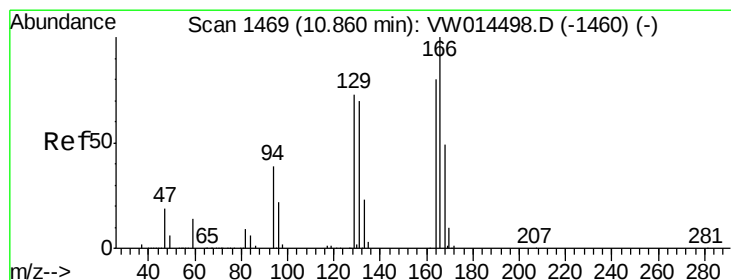
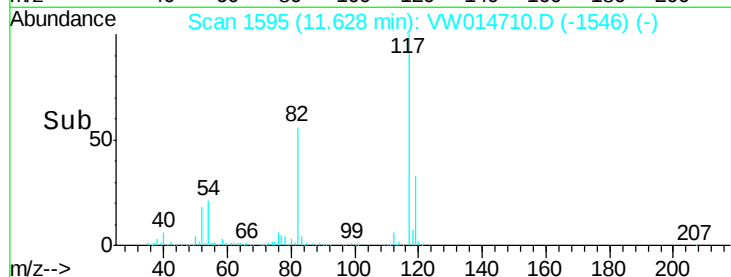
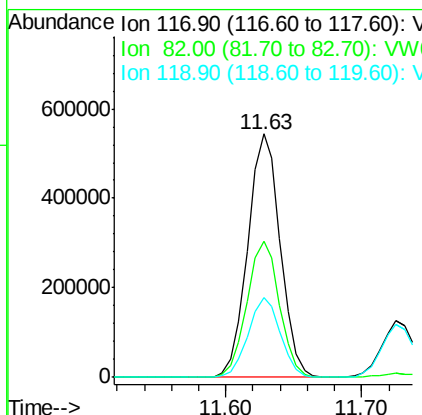
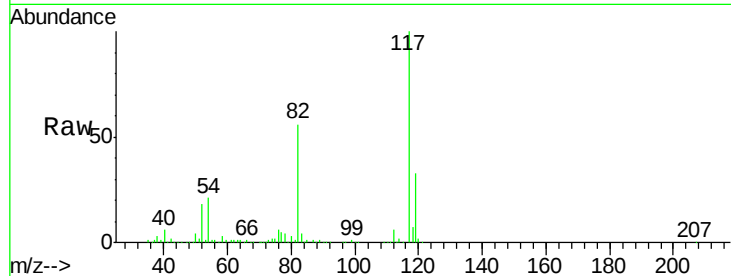
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	909324		
82	55.8		44.6	67.0
119	32.7		25.7	38.5

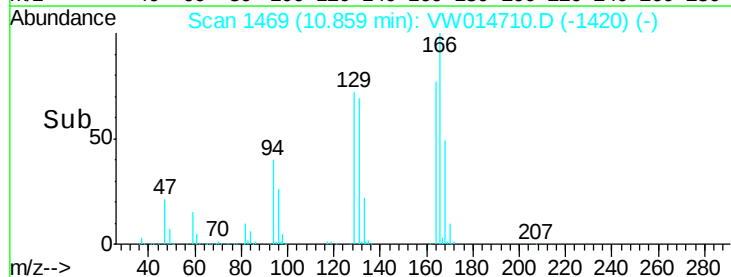
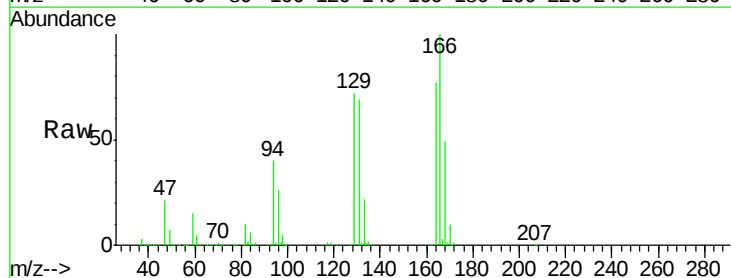
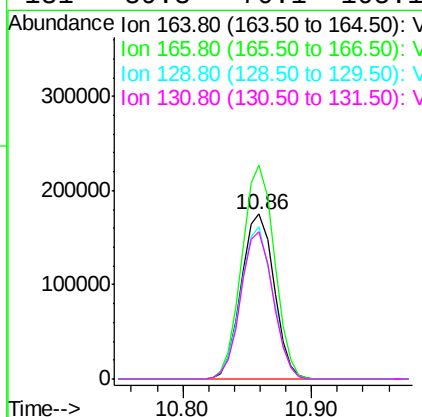
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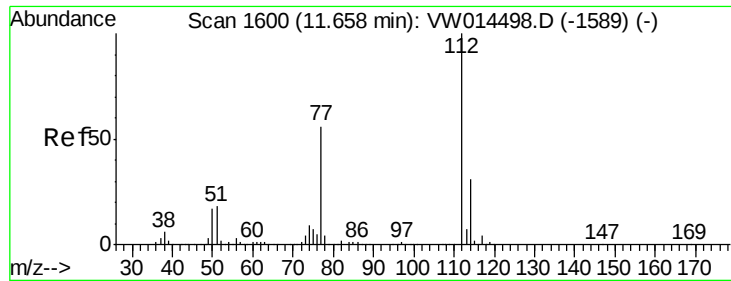
MMDadoda
1/23/2020 2:33:01 PM



#64
Tetrachloroethene
Concen: 46.980 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	309276		
166	129.8		99.8	149.6
129	92.9		72.4	108.6
131	89.3		70.1	105.1





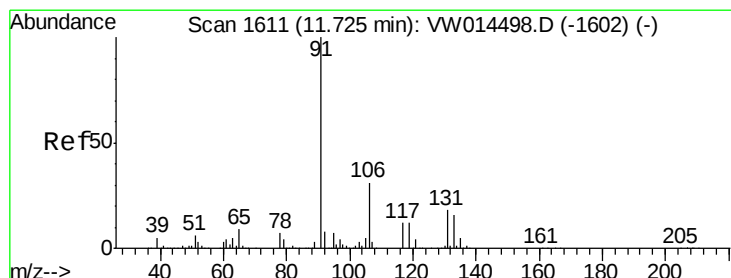
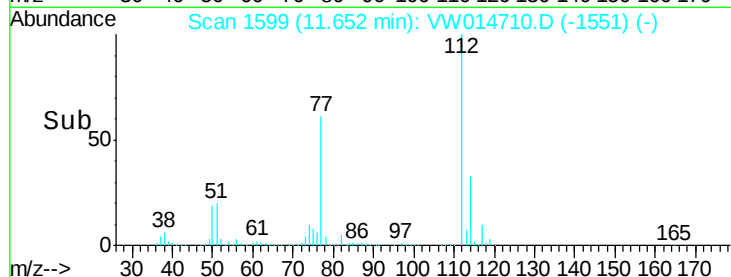
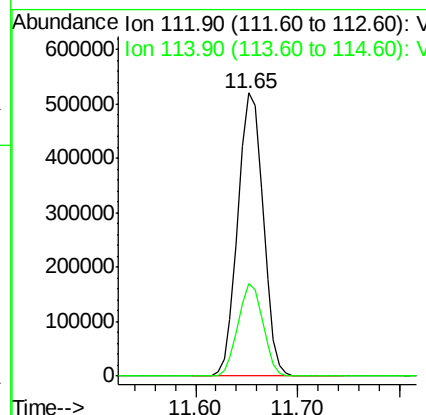
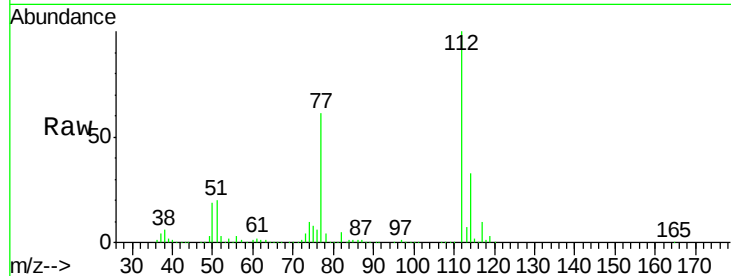
#65
Chlorobenzene
Concen: 47.893 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 892213
Ion Ratio Lower Upper
112 100
114 32.7 24.6 37.0

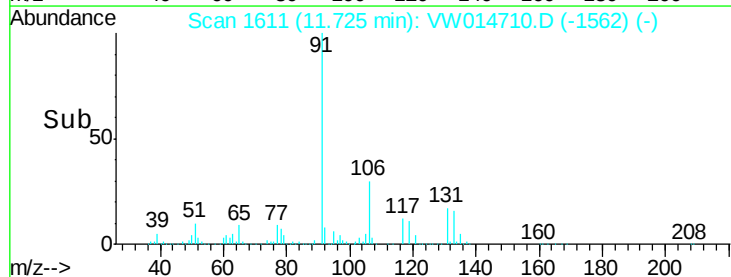
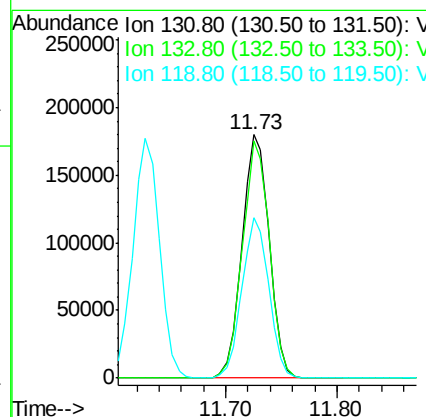
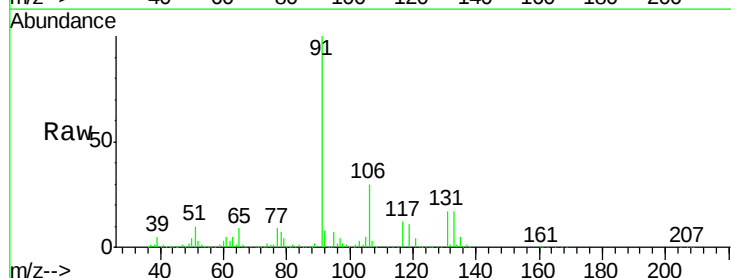
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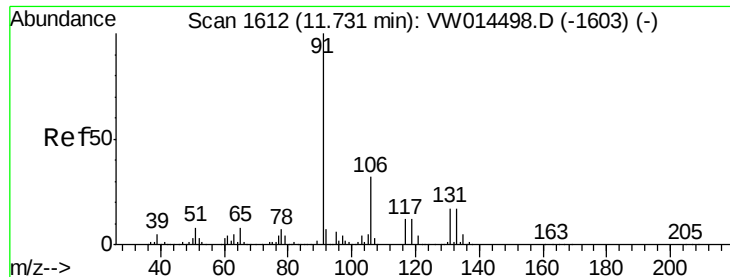
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.327 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion:131 Resp: 303125
Ion Ratio Lower Upper
131 100
133 96.9 47.3 142.0
119 65.4 33.1 99.3





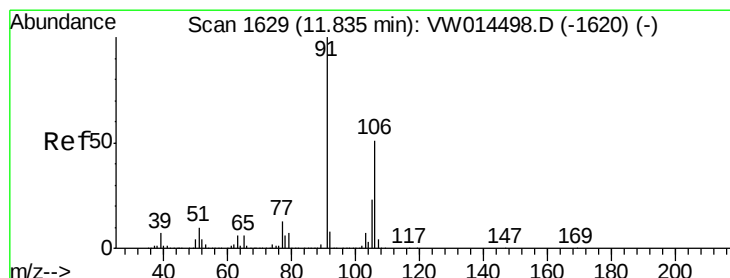
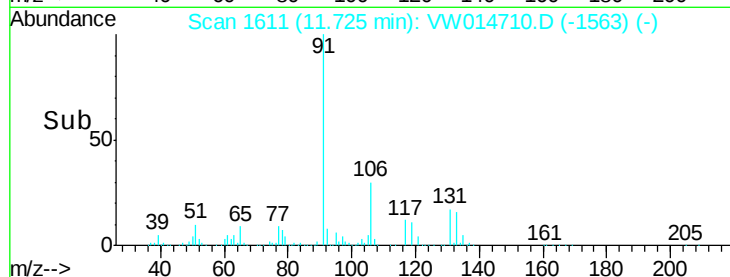
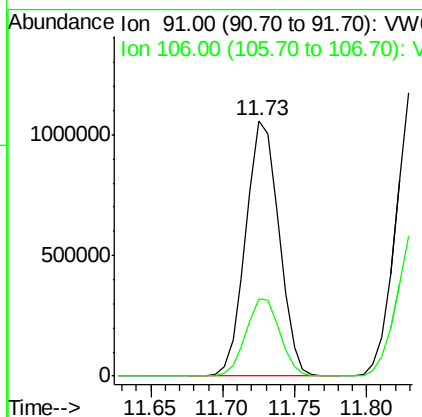
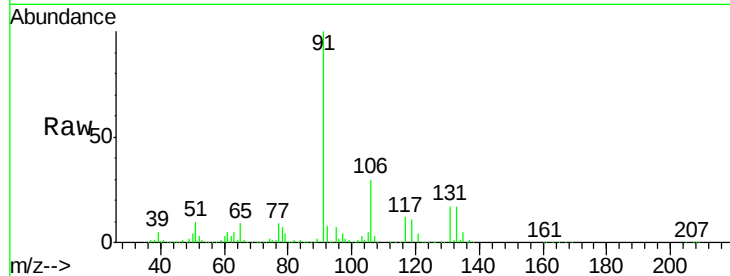
#67
Ethyl Benzene
Concen: 50.468 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1694360
Ion Ratio Lower Upper
91 100
106 30.5 25.5 38.3

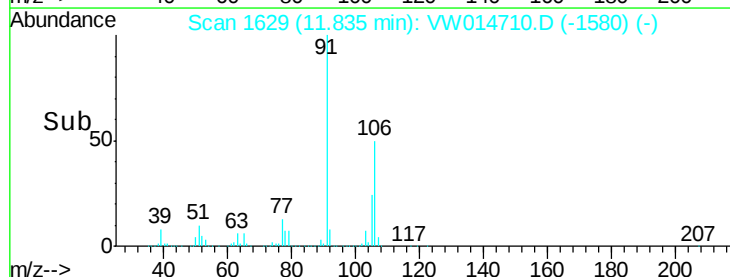
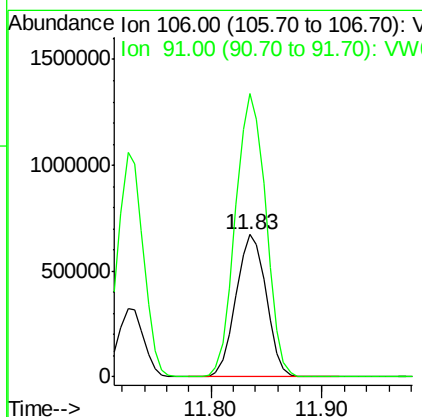
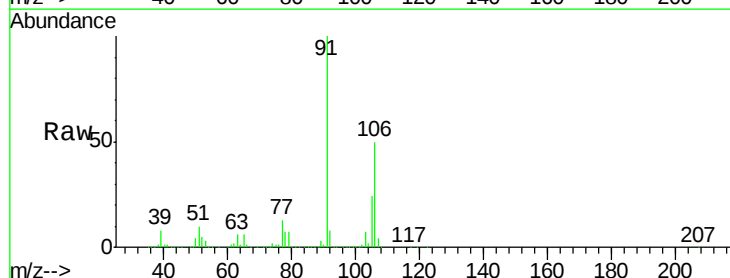
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#68
m/p-Xylenes
Concen: 98.331 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion: 106 Resp: 1263459
Ion Ratio Lower Upper
106 100
91 200.4 159.0 238.6





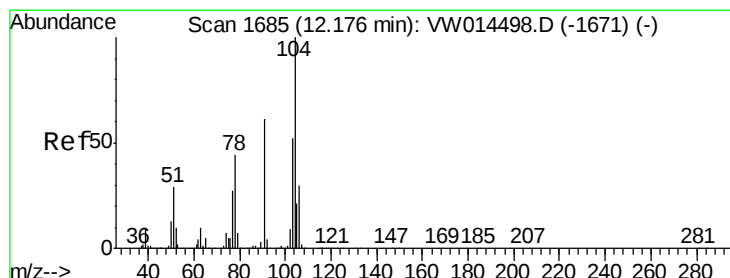
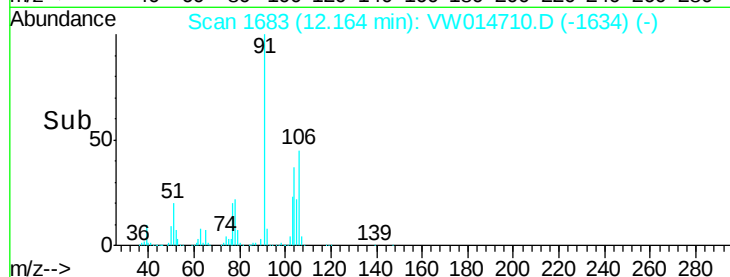
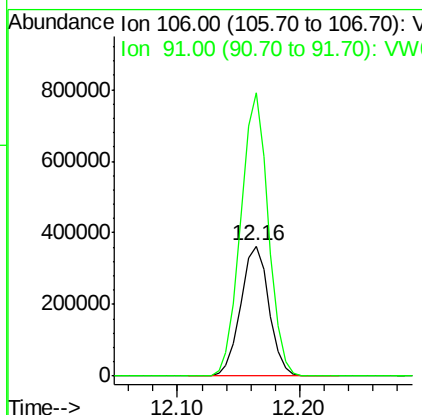
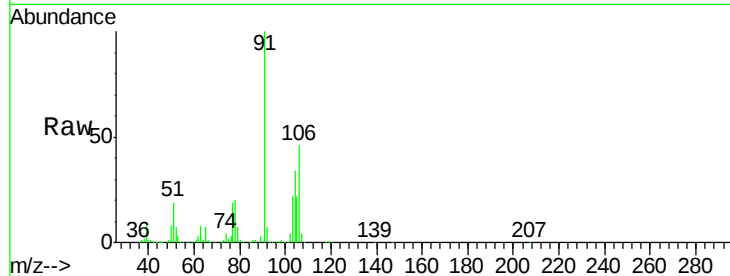
#69
o-Xylene
Concen: 48.953 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
581024	106	100		
	91	212.2	105.2	315.6

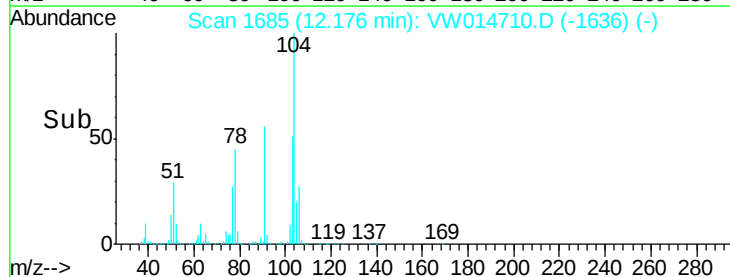
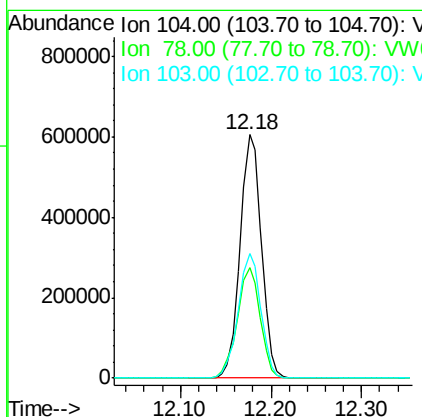
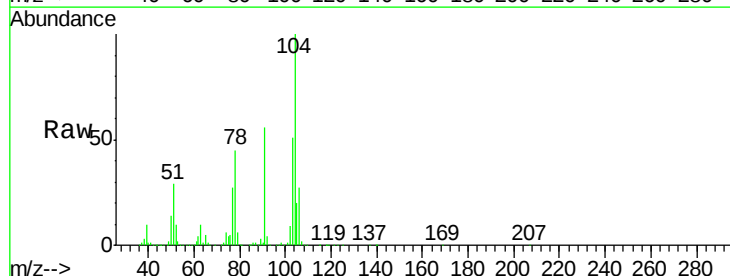
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#70
Styrene
Concen: 49.308 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ion	Ratio	Lower	Upper
989862	104	100		
	78	48.7	38.4	57.6
	103	54.6	43.7	65.5





#71

Bromoform

Concen: 43.615 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 149220

Ion Ratio Lower Upper

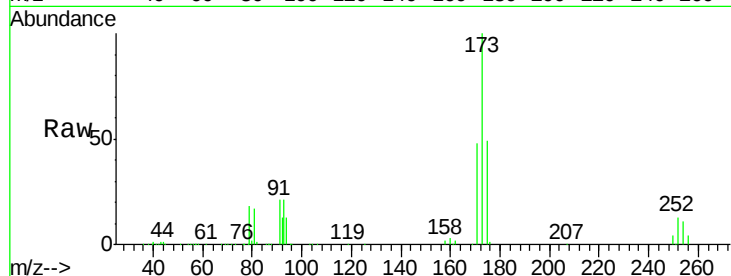
173 100

175 48.6 24.5 73.5

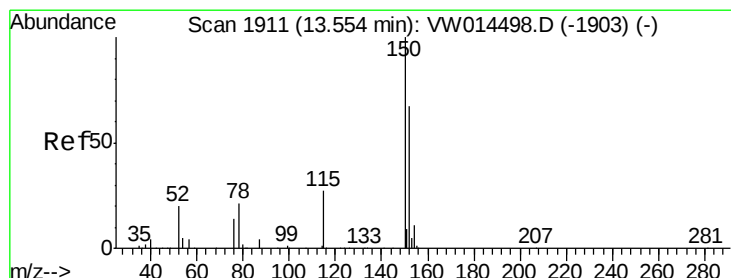
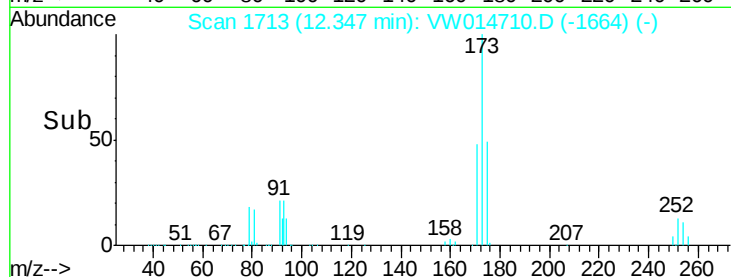
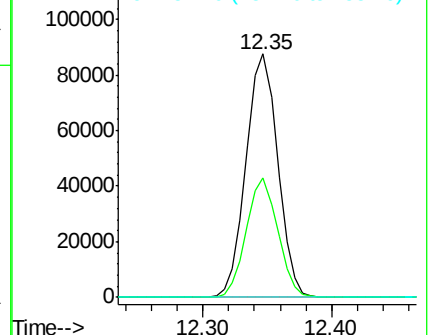
254 0.0 0.0 0.0#

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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: VW014710.D

Acq: 22 Jan 2020 13:31

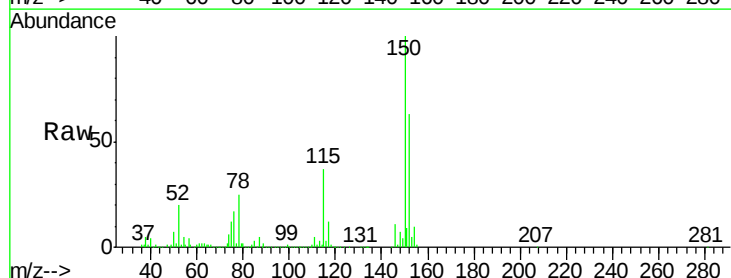
Tgt Ion:152 Resp: 445803

Ion Ratio Lower Upper

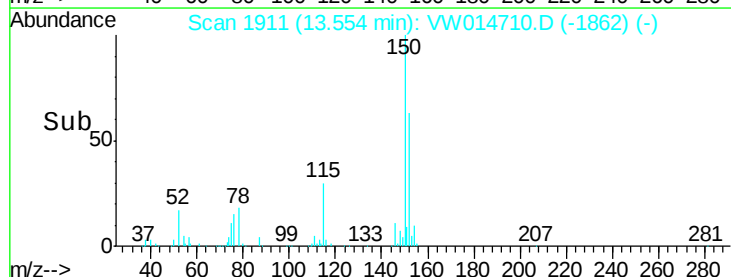
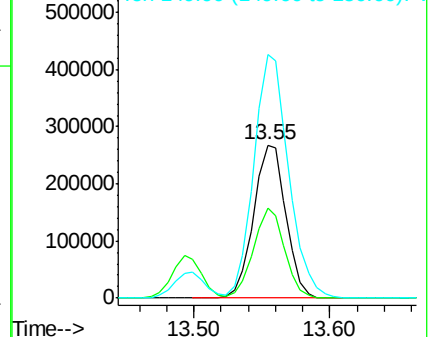
152 100

115 56.1 27.7 83.1

150 171.1 0.0 343.4



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





#73

Isopropylbenzene

Concen: 50.056 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1637367

Ion Ratio Lower Upper

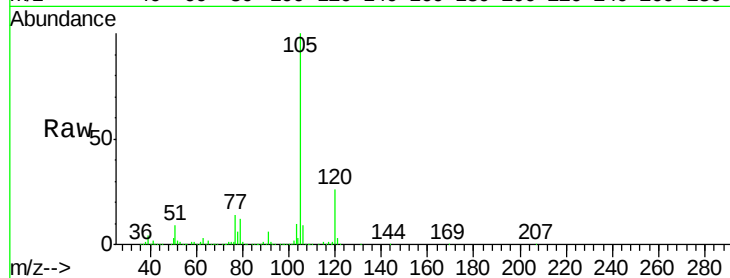
105 100

120 26.4 13.4 40.1

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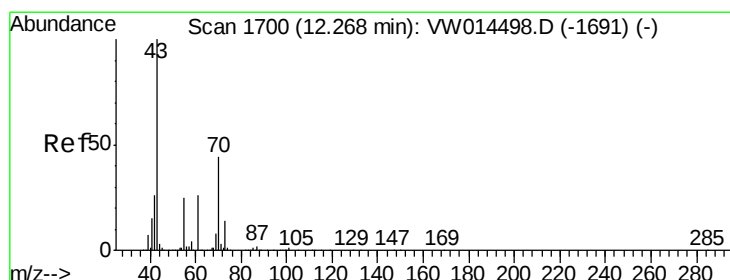
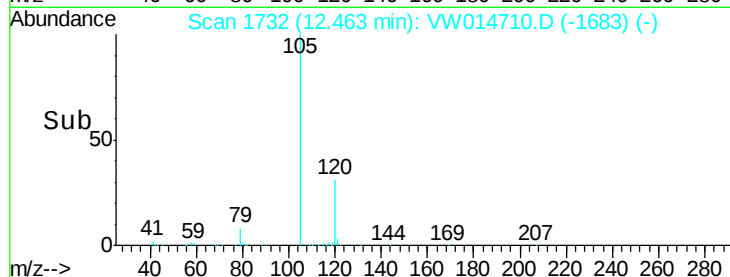
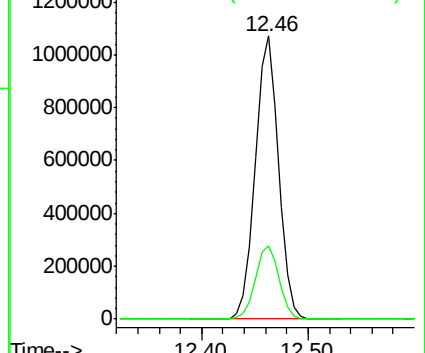
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.298 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Tgt Ion: 43 Resp: 324903

Ion Ratio Lower Upper

43 100

70 44.1 36.5 54.7

55 26.3 20.9 31.3

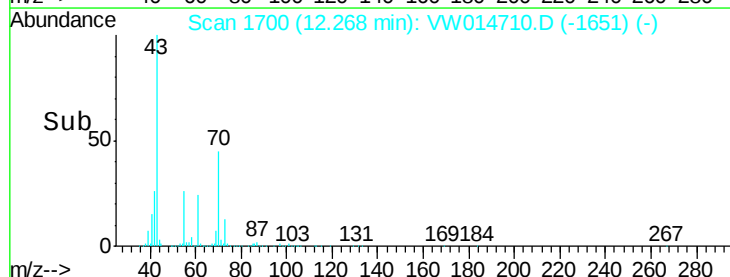
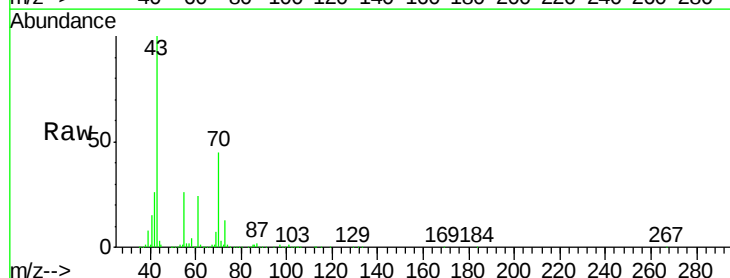
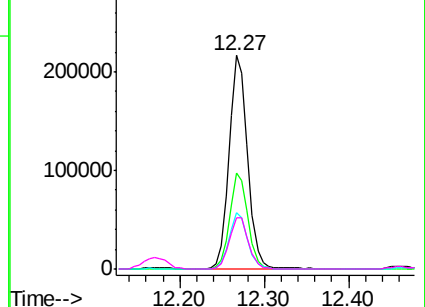
61 25.1 20.7 31.1

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 42.540 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

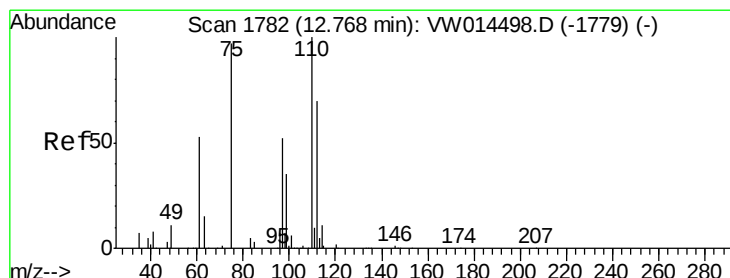
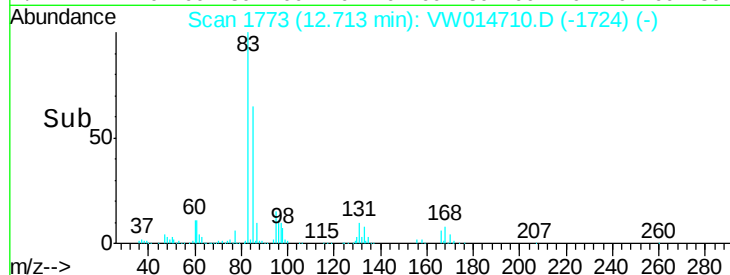
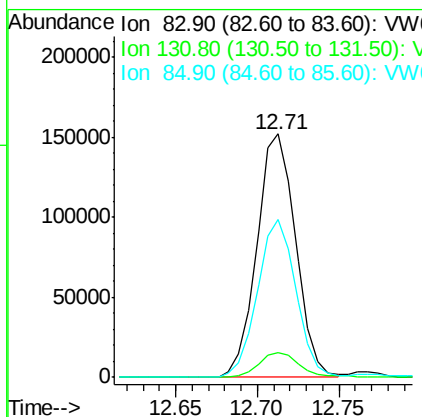
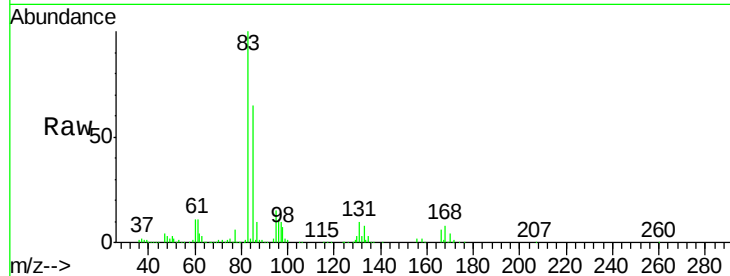
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	251163
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.4
85	64.6	31.9	95.7

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#76

1,2,3-Trichloropropane

Concen: 45.415 ug/l m

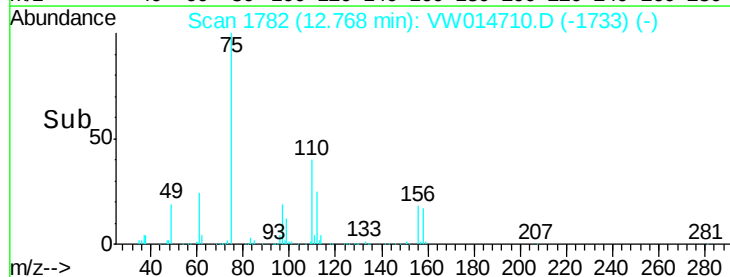
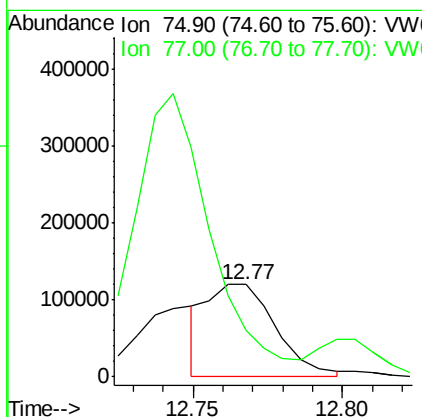
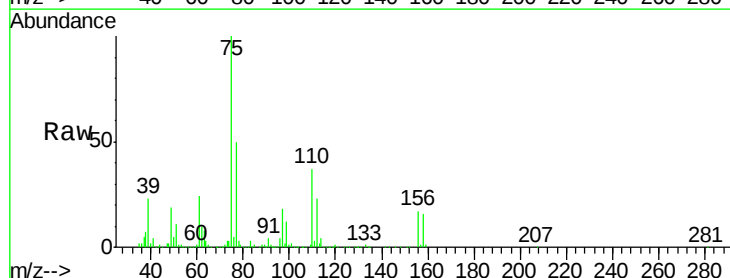
RT: 12.77 min Scan# 1782

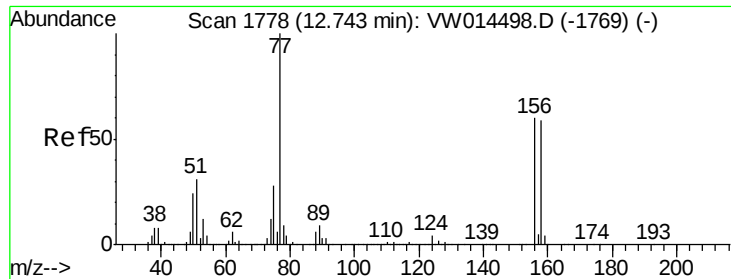
Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Tgt Ion:	75	Resp:	191426
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.144 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

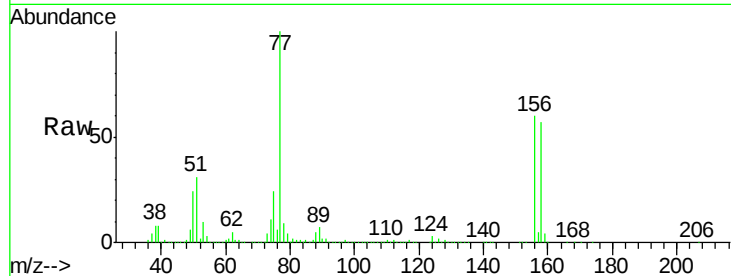
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	186.0	92.3	277.1		
158	96.7	48.6	145.9		

Manual Integrations
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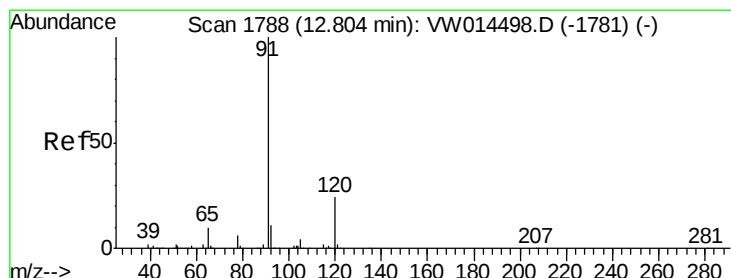
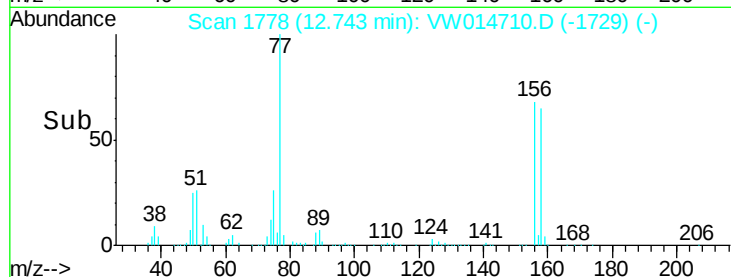
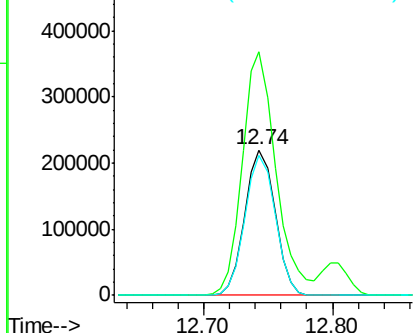
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.989 ug/l

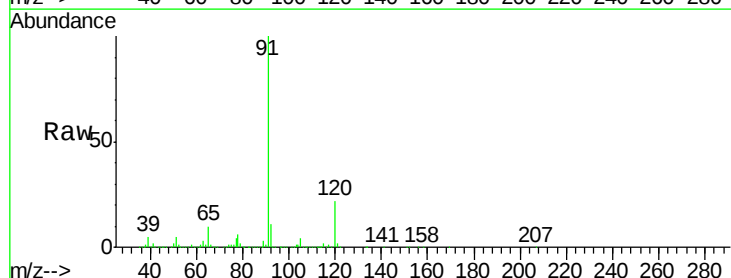
RT: 12.80 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VW014710.D

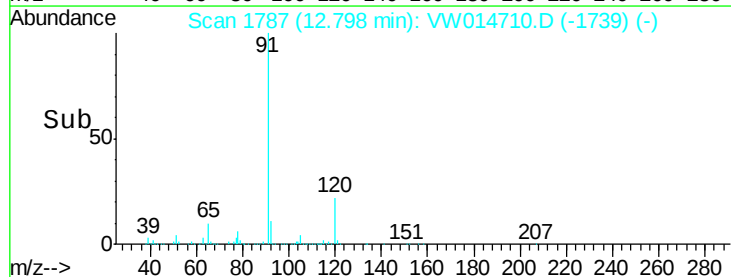
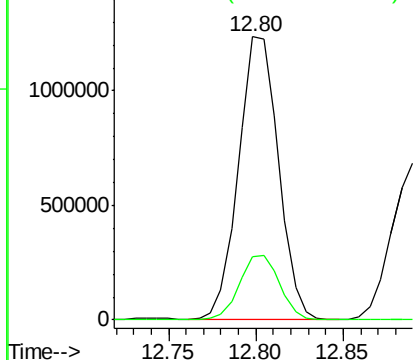
Acq: 22 Jan 2020 13:31

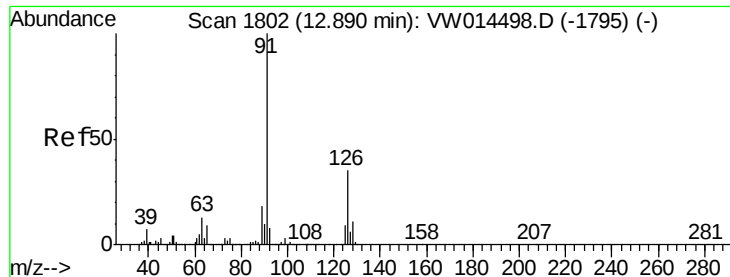
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.0	11.7	35.1		



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





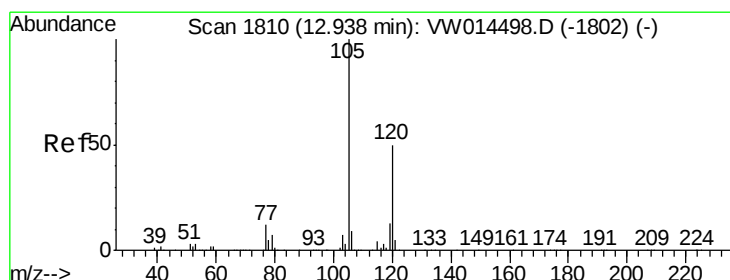
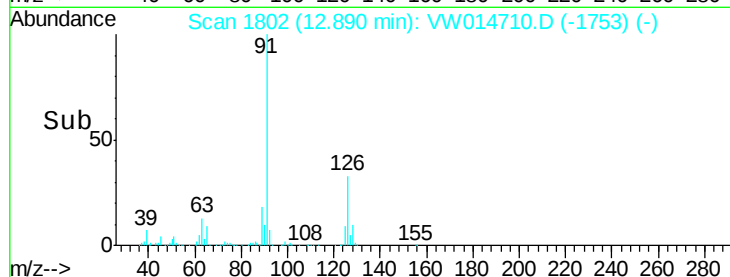
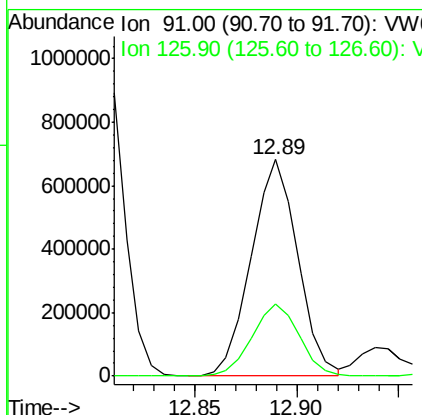
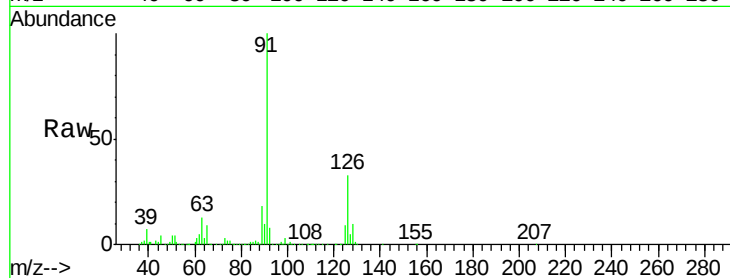
#79
2-Chlorotoluene
Concen: 49.472 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1082897
Ion Ratio Lower Upper
91 100
126 33.5 17.1 51.2

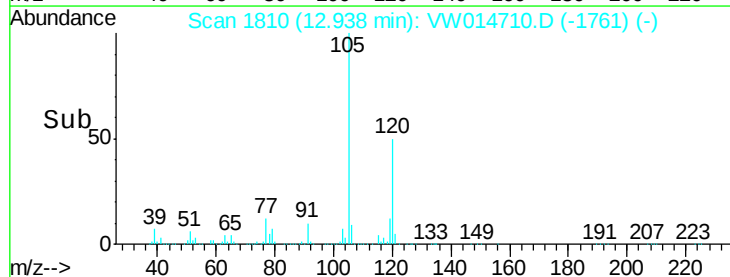
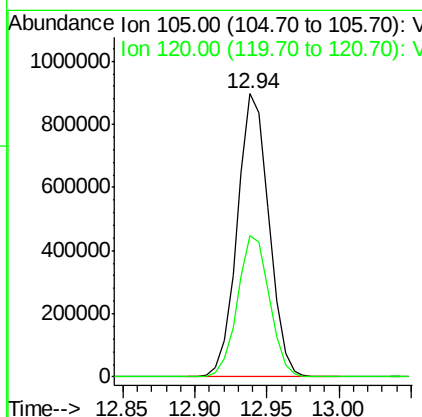
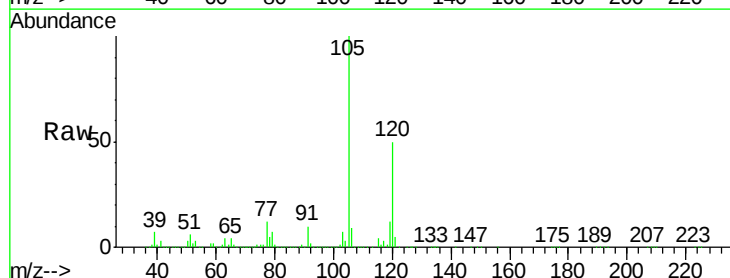
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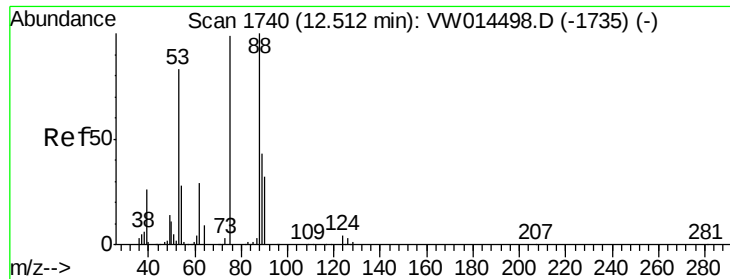
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 49.632 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion: 105 Resp: 1363148
Ion Ratio Lower Upper
105 100
120 50.6 25.2 75.6





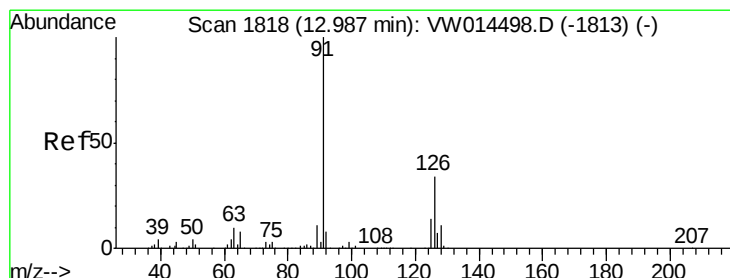
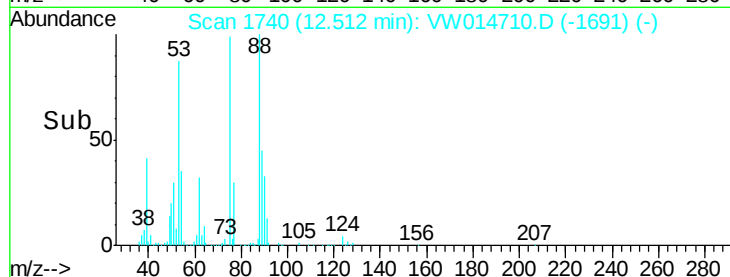
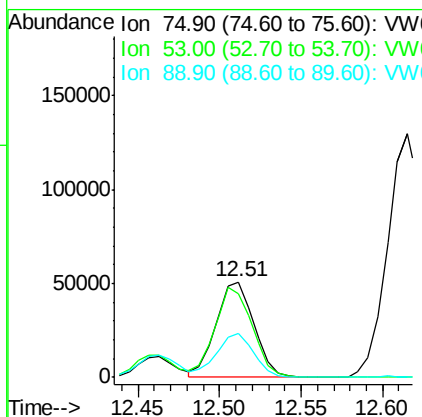
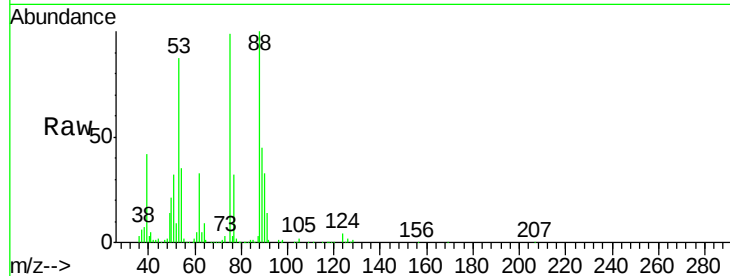
#81
trans-1,4-Dichloro-2-butene
Concen: 43.147 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	70.9	106.3
89	45.8	35.8	53.8

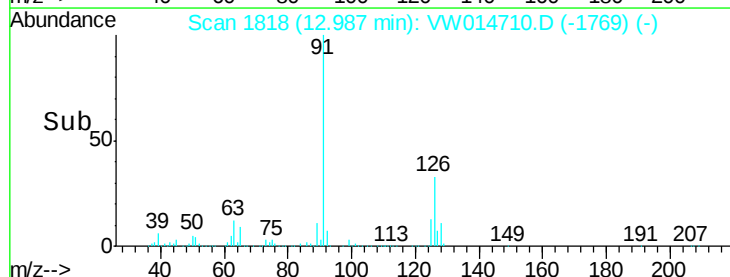
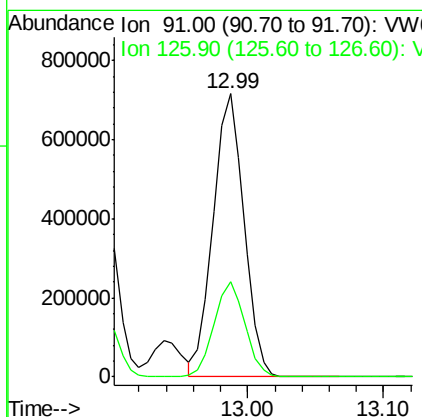
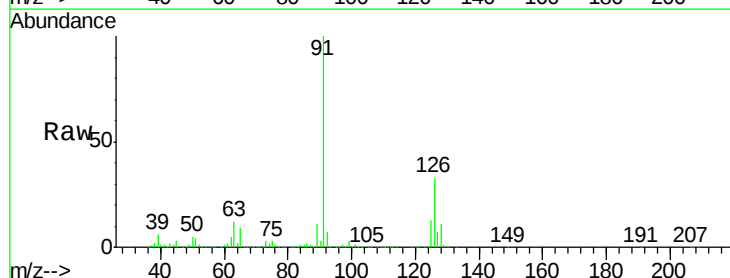
Manual Integrations
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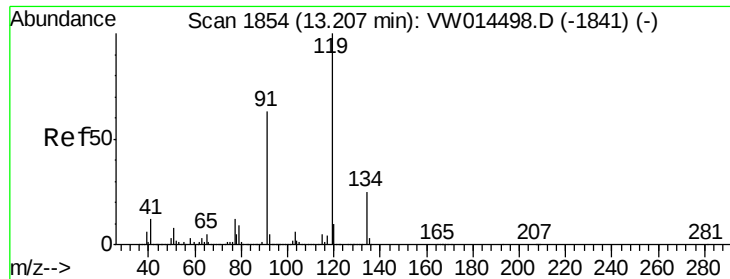
MMDadoda
1/23/2020 2:33:01 PM



#82
4-Chlorotoluene
Concen: 49.480 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.1	51.2





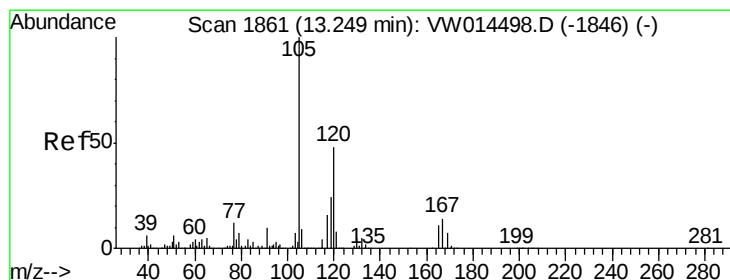
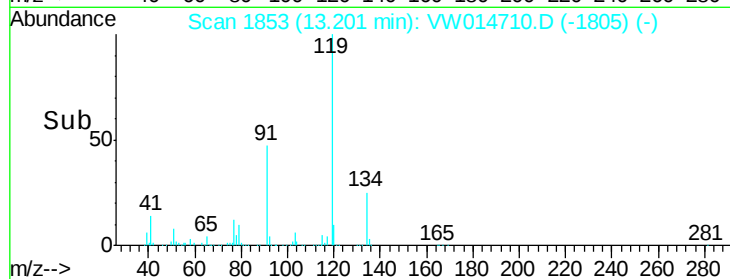
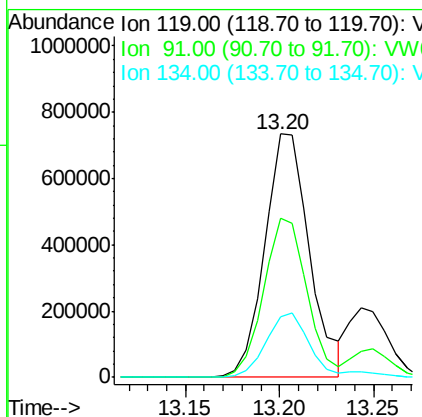
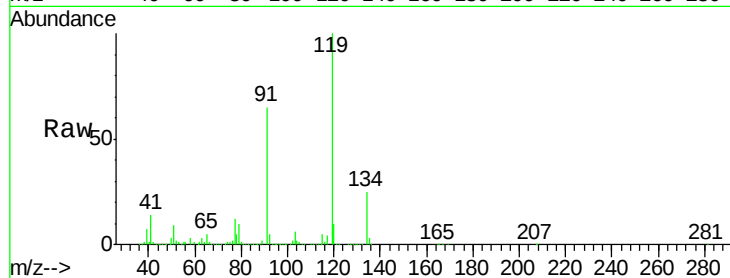
#83
 tert-Butylbenzene
 Concen: 50.307 ug/l
 RT: 13.20 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.1	93.3
134	26.9	13.5	40.5

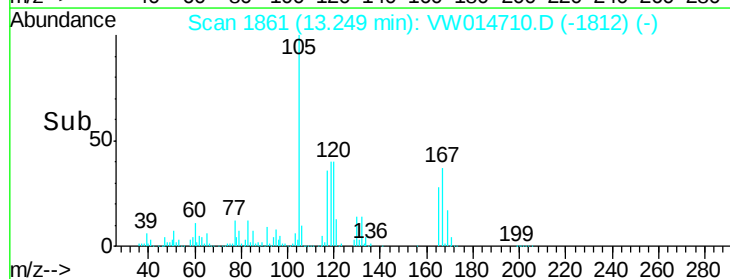
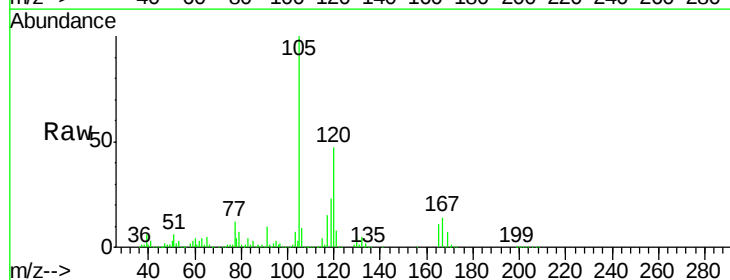
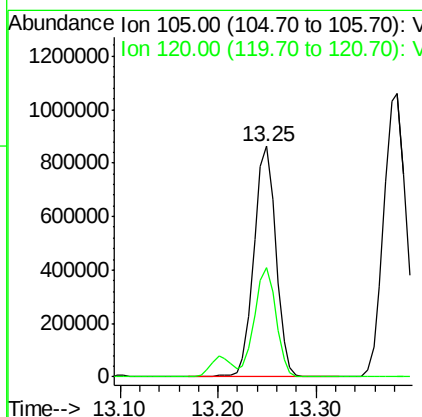
Manual Integrations
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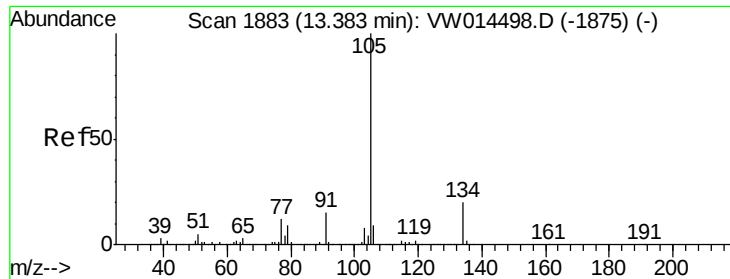
MMDadoda
 1/23/2020 2:33:01 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.438 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.4	70.0





#85

sec-Butylbenzene

Concen: 50.754 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1689318

Ion Ratio Lower Upper

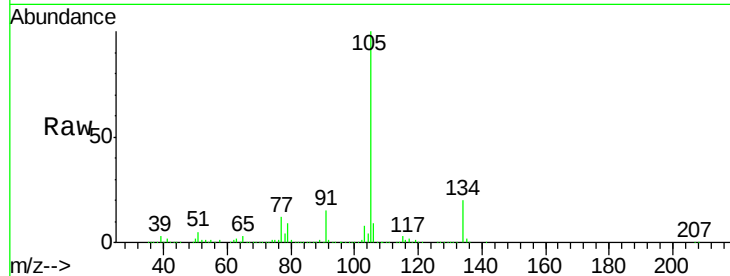
105 100

134 20.0 10.2 30.6

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

1200000

1000000

800000

600000

400000

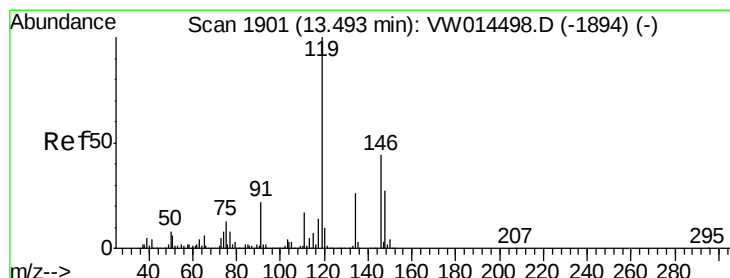
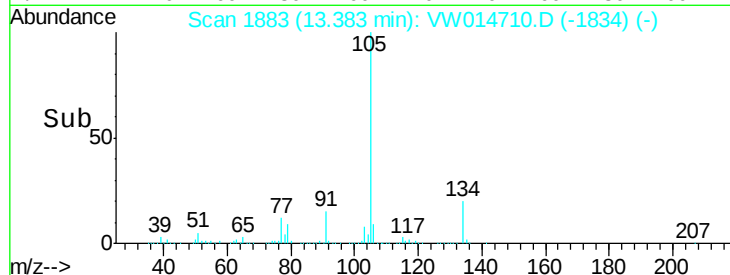
200000

0

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 50.580 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

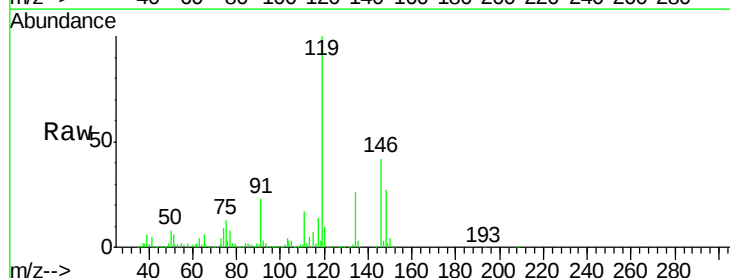
Tgt Ion:119 Resp: 1534522

Ion Ratio Lower Upper

119 100

134 26.0 13.2 39.5

91 22.4 11.1 33.3



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

1000000

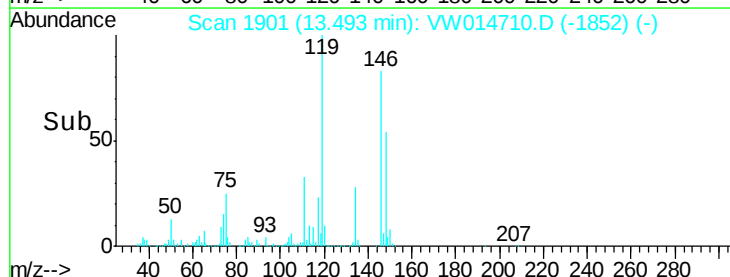
500000

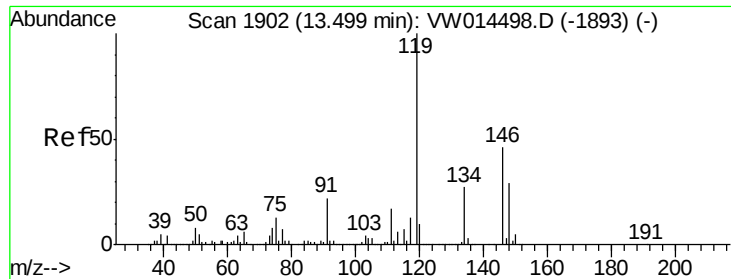
0

13.40

13.50

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.964 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014710.D

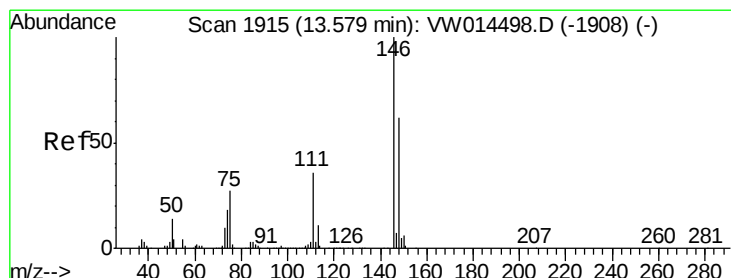
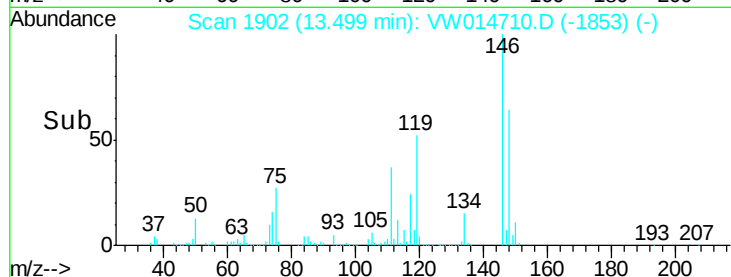
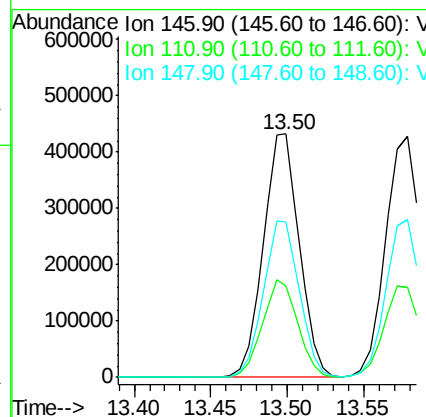
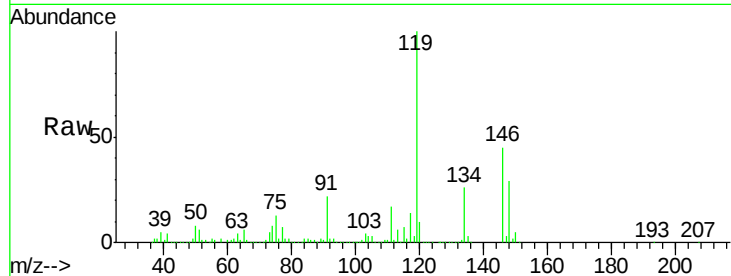
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.9
148	64.2	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.155 ug/l

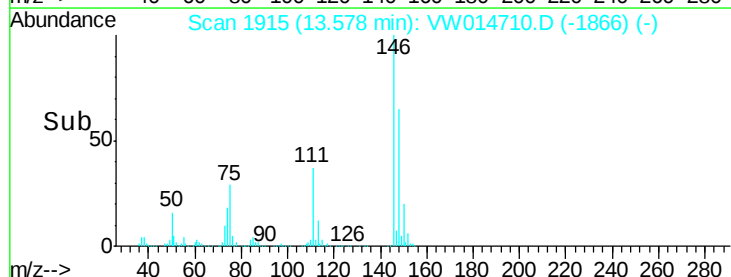
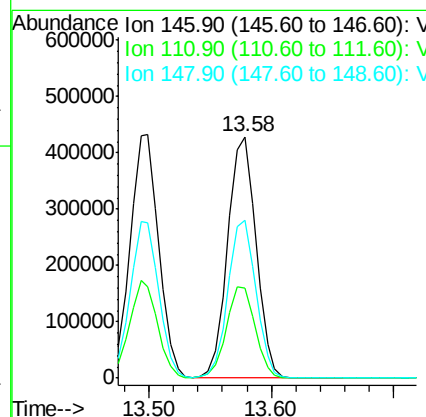
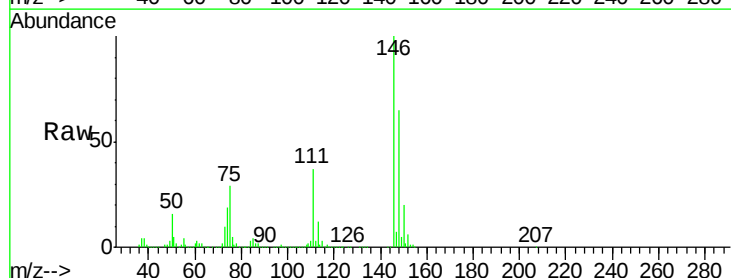
RT: 13.58 min Scan# 1915

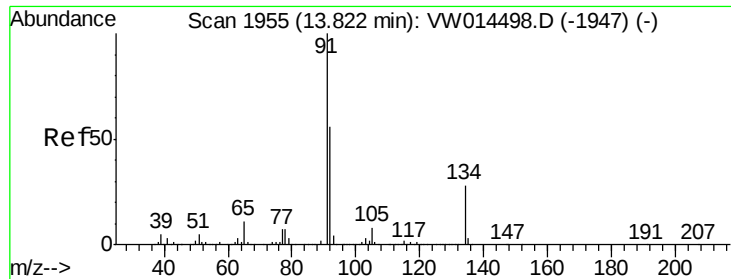
Delta R.T. -0.00 min

Lab File: VW014710.D

Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.7	56.1
148	64.6	31.7	95.1





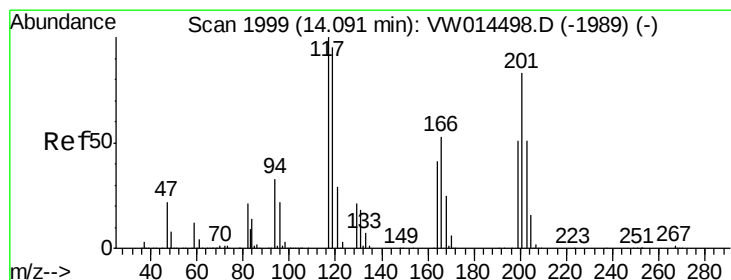
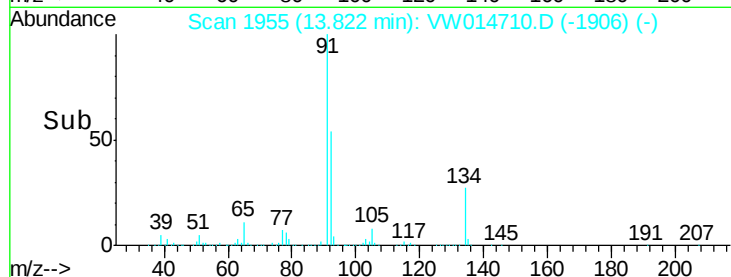
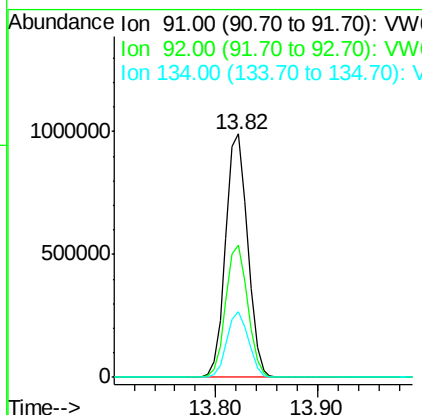
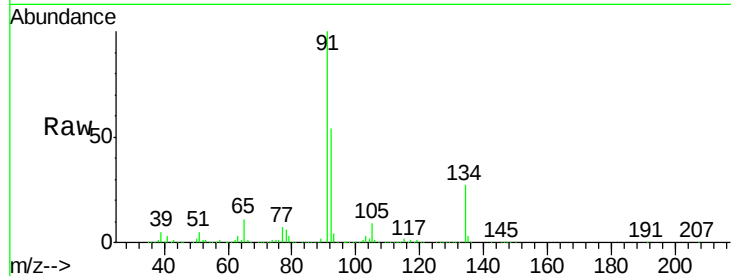
#89
n-Butylbenzene
Concen: 52.558 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1480745
Ion Ratio Lower Upper
91 100
92 54.2 27.5 82.5
134 26.6 13.7 41.1

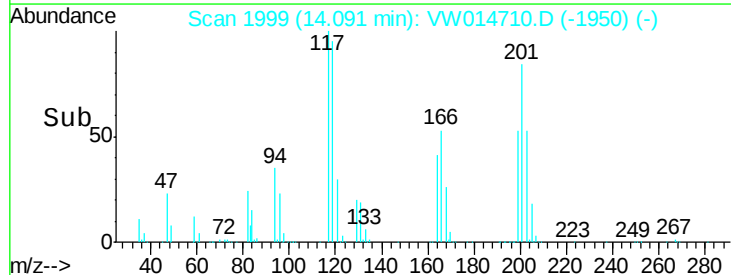
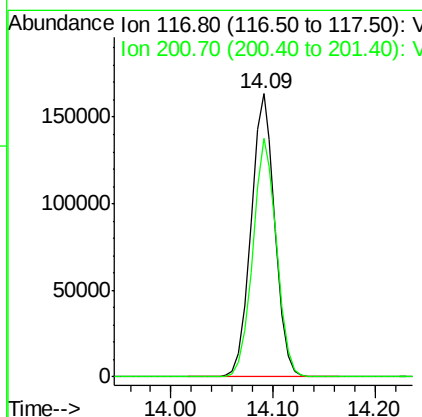
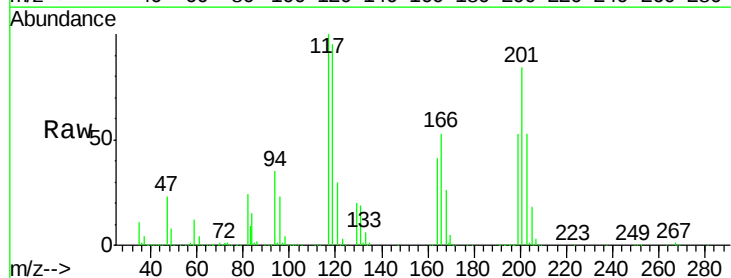
Manual Integrations
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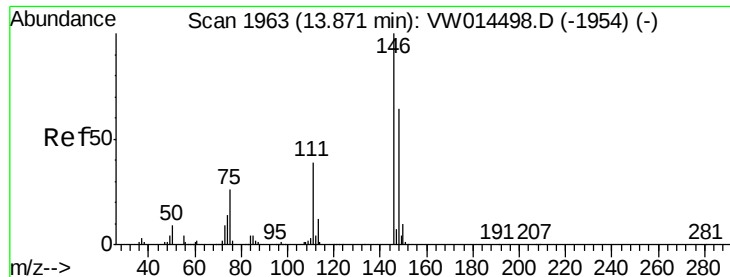
MMDadoda
1/23/2020 2:33:01 PM



#90
Hexachloroethane
Concen: 50.181 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion: 117 Resp: 265959
Ion Ratio Lower Upper
117 100
201 84.0 43.0 128.8





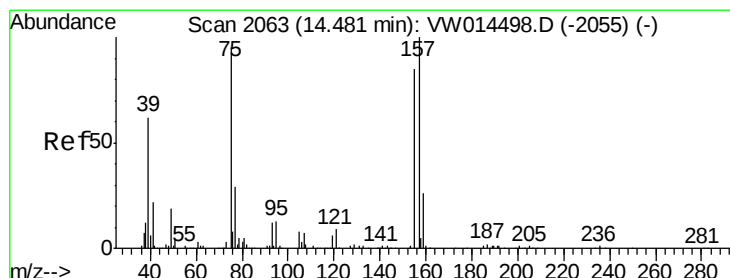
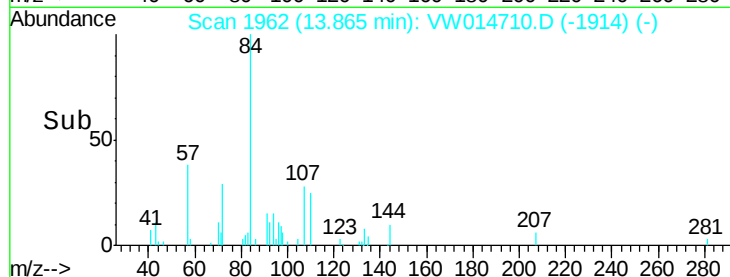
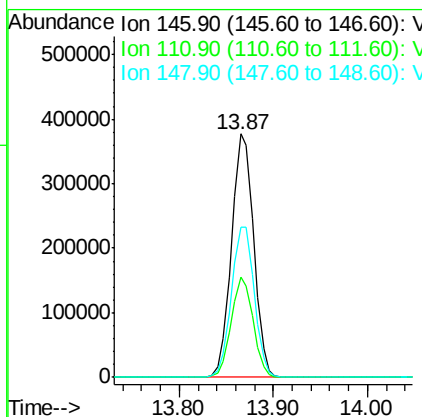
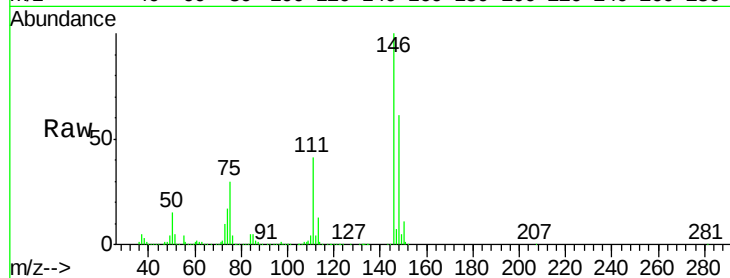
#91
 1,2-Dichlorobenzene
 Concen: 47.399 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.3
148	63.7	32.3	96.8

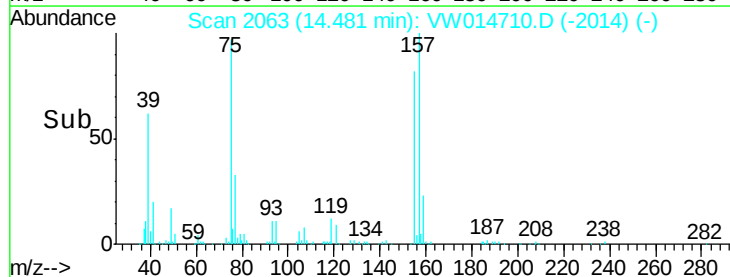
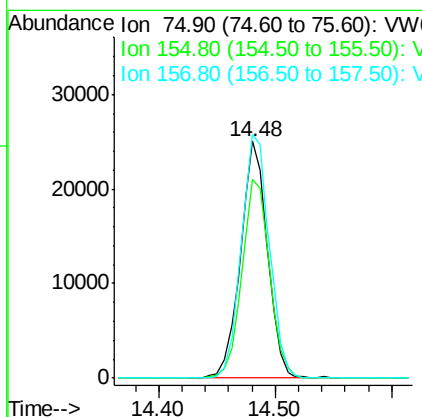
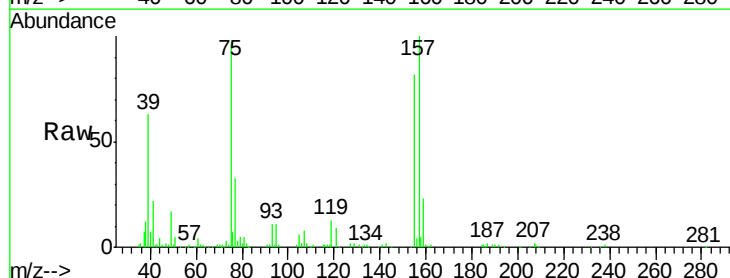
Manual Integrations
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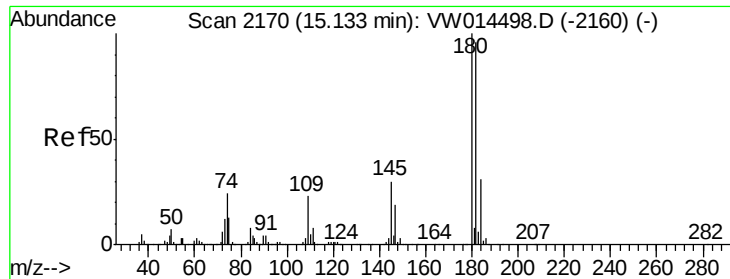
MMDadoda
 1/23/2020 2:33:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.263 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.2	45.8	137.4
157	106.3	58.1	174.2





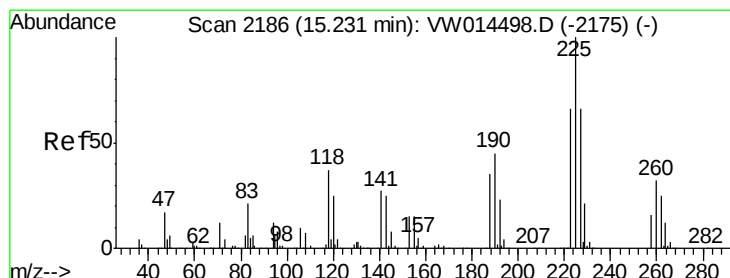
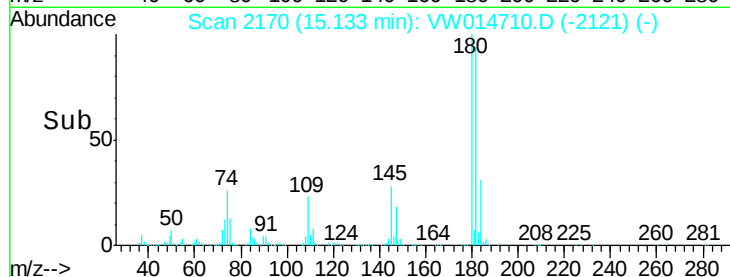
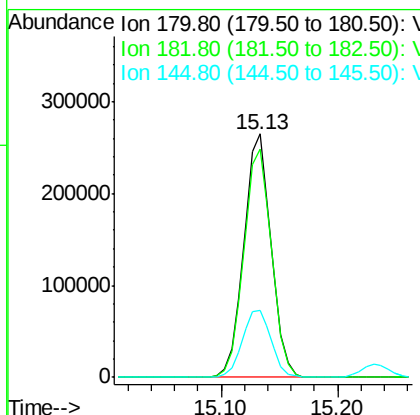
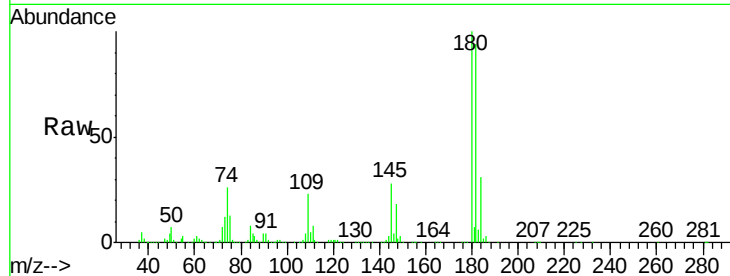
#93
 1,2,4-Trichlorobenzene
 Concen: 49.150 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	430982		
182	95.5	47.3	141.8	
145	29.2	14.7	44.1	

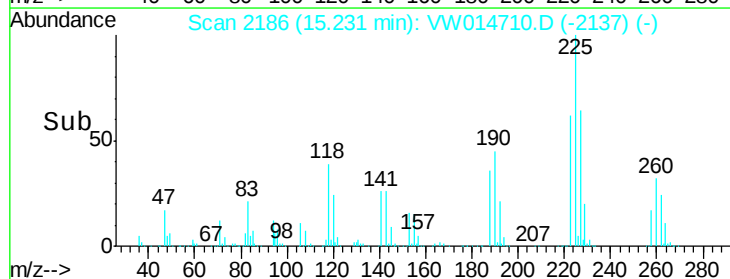
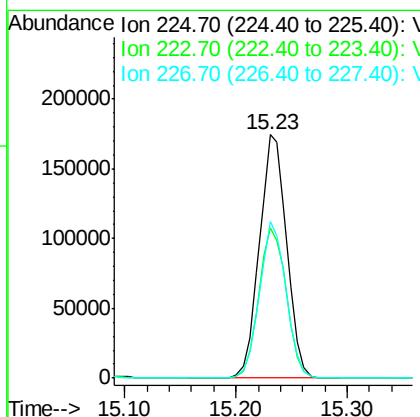
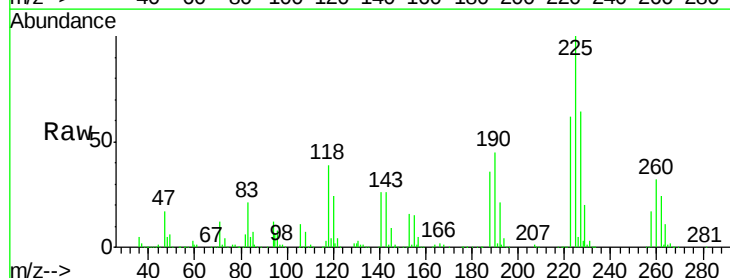
Manual Integrations
 APPROVED

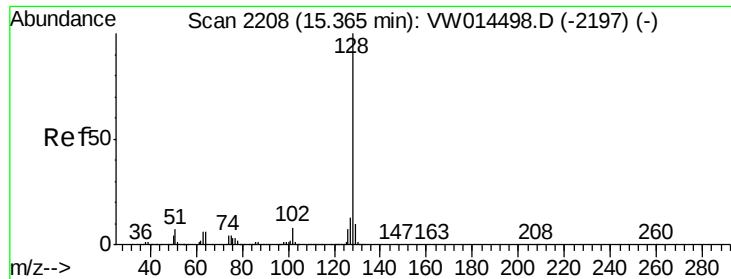
MMDadoda
 1/23/2020 2:33:01 PM



#94
 Hexachlorobutadiene
 Concen: 50.679 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW014710.D
 Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	297802		
223	62.1	32.4	97.2	
227	62.7	32.6	97.8	





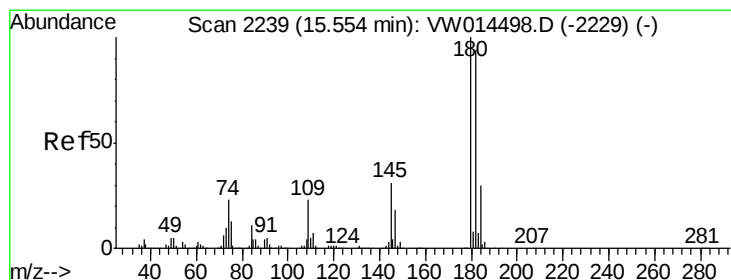
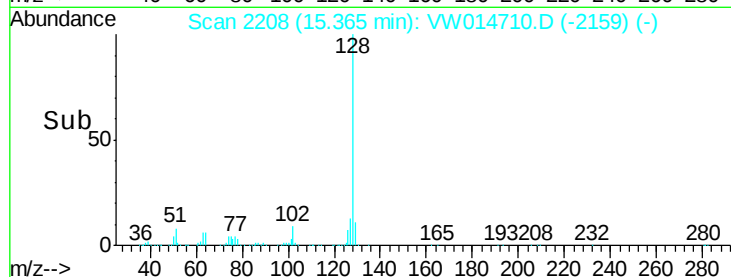
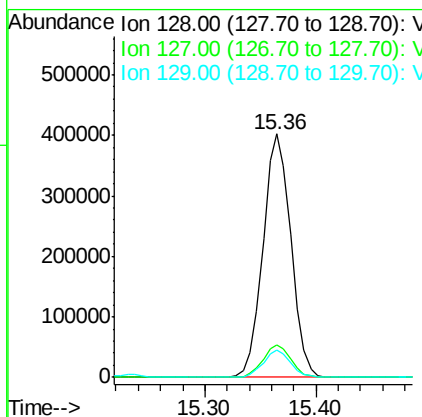
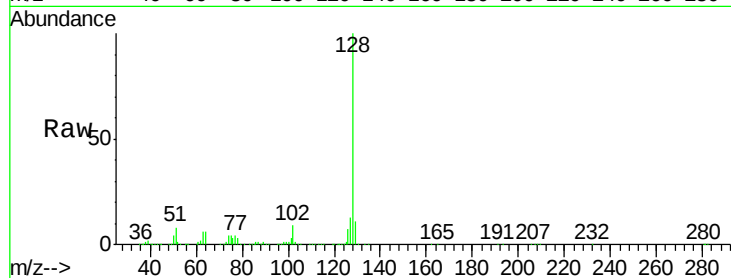
#95
Naphthalene
Concen: 46.900 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/23/2020 2:33:01 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.470 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014710.D
Acq: 22 Jan 2020 13:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.4	142.2
145	30.6	15.5	46.5

