

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012220\
 Data File : VW014716.D
 Acq On : 22 Jan 2020 16:37
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 2:33:11 PM

Quant Time: Jan 22 17:03:48 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	7.95	168	674622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1026851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	890512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	437453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	318373	53.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.96%	
35) Dibromofluoromethane	7.88	113	307597	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	10.32	98	1263769	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.62	95	425494	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	171808	45.105	ug/l	98
3) Chloromethane	2.21	50	228018	48.906	ug/l	99
4) Vinyl Chloride	2.36	62	350575	51.122	ug/l	99
5) Bromomethane	2.78	94	212631	50.193	ug/l	98
6) Chloroethane	2.92	64	202127	51.707	ug/l	97
7) Trichlorofluoromethane	3.26	101	201217	58.646	ug/l	100
8) Diethyl Ether	3.68	74	167559	49.083	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	328642	51.264	ug/l	98
10) Methyl Iodide	4.27	142	467878	48.370	ug/l	97
11) Tert butyl alcohol	5.16	59	108525	237.483	ug/l	98
12) 1,1-Dichloroethene	4.04	96	337572	50.282	ug/l	99
13) Acrolein	3.89	56	157320	305.589	ug/l	98
14) Allyl chloride	4.66	41	547168	53.334	ug/l	99
15) Acrylonitrile	5.36	53	385601	247.110	ug/l	99
16) Acetone	4.12	43	426863	256.299	ug/l	100
17) Carbon Disulfide	4.38	76	981532	48.508	ug/l	97
18) Methyl Acetate	4.67	43	195790	48.675	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	439639	52.755	ug/l	99
20) Methylene Chloride	4.91	84	362274	54.154	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	354984	49.798	ug/l	97
22) Diisopropyl ether	6.31	45	1040060	54.162	ug/l	99
23) Vinyl Acetate	6.25	43	3040893	262.243	ug/l	98
24) 1,1-Dichloroethane	6.21	63	630817	52.078	ug/l	100
25) 2-Butanone	7.17	43	527705	246.895	ug/l	95
26) 2,2-Dichloropropane	7.17	77	347639	51.838	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	377277	50.368	ug/l	97
28) Bromochloromethane	7.51	49	277915	58.523	ug/l	94
29) Tetrahydrofuran	7.52	42	323433	244.264	ug/l	97
30) Chloroform	7.67	83	588598	51.963	ug/l	97
31) Cyclohexane	7.95	56	617298	49.038	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	476908	52.350	ug/l	98
36) 1,1-Dichloropropene	8.08	75	500711	50.580	ug/l	99
37) Ethyl Acetate	7.25	43	223850	49.859	ug/l	98
38) Carbon Tetrachloride	8.06	117	435737	50.736	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	618516	48.687	ug/l	96
40) Benzene	8.32	78	1416399	50.570	ug/l	99
41) Methacrylonitrile	7.48	41	121999	48.747	ug/l	98
42) 1,2-Dichloroethane	8.40	62	366945	50.484	ug/l	98
43) Isopropyl Acetate	8.42	43	406551	49.867	ug/l	99
44) Trichloroethene	9.09	130	367993	48.555	ug/l	97
45) 1,2-Dichloropropane	9.37	63	350651	51.018	ug/l	99
46) Dibromomethane	9.46	93	166919	49.195	ug/l	96
47) Bromodichloromethane	9.64	83	427071	50.982	ug/l	100
48) Methyl methacrylate	9.43	41	198572	49.886	ug/l	99
49) 1,4-Dioxane	9.44	88	60349	950.960	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	1053773	248.900	ug/l	99
52) Toluene	10.38	92	876651	49.752	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	430049	49.583	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	532655	50.249	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	241388	48.712	ug/l	98
56) Ethyl methacrylate	10.64	69	320501	49.767	ug/l	97
57) 1,3-Dichloropropane	10.93	76	424665	48.760	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	598339	305.488	ug/l	98
59) 2-Hexanone	10.96	43	741247	254.077	ug/l	98
60) Dibromochloromethane	11.12	129	272709	48.775	ug/l	100
61) 1,2-Dibromoethane	11.23	107	224475	47.722	ug/l	99
64) Tetrachloroethene	10.86	164	304995	47.308	ug/l	99
65) Chlorobenzene	11.65	112	896391	49.134	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	307981	50.138	ug/l	99
67) Ethyl Benzene	11.73	91	1663253	50.588	ug/l	99
68) m/p-Xylenes	11.83	106	1268497	100.808	ug/l	99
69) o-Xylene	12.16	106	581210	50.004	ug/l	100
70) Styrene	12.18	104	993351	50.527	ug/l	99
71) Bromoform	12.35	173	155403	46.382	ug/l #	99
73) Isopropylbenzene	12.46	105	1598438	49.798	ug/l	100
74) N-amyl acetate	12.27	43	365277	50.754	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	278749	48.113	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	207071m	50.065	ug/l	
77) Bromobenzene	12.74	156	362984	48.690	ug/l	99
78) n-propylbenzene	12.80	91	1931109	51.163	ug/l	99
79) 2-Chlorotoluene	12.89	91	1072112	49.914	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1354823	50.270	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	87262	47.007	ug/l	93
82) 4-Chlorotoluene	12.99	91	1116922	50.051	ug/l	99
83) tert-Butylbenzene	13.20	119	1182346	50.108	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1340810	49.993	ug/l	100
85) sec-Butylbenzene	13.38	105	1656129	50.706	ug/l	100
86) p-Isopropyltoluene	13.49	119	1514575	50.875	ug/l	100
87) 1,3-Dichlorobenzene	13.49	146	710569	49.015	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	699177	48.852	ug/l	99
89) n-Butylbenzene	13.82	91	1450963	52.484	ug/l	99
90) Hexachloroethane	14.09	117	261905	50.359	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	624135	48.984	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	45470	49.561	ug/l	92

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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	451831	52.512	ug/l	99
94) Hexachlorobutadiene	15.23	225	290608	50.399	ug/l	99
95) Naphthalene	15.36	128	773613	52.718	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	383687	51.158	ug/l	99

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

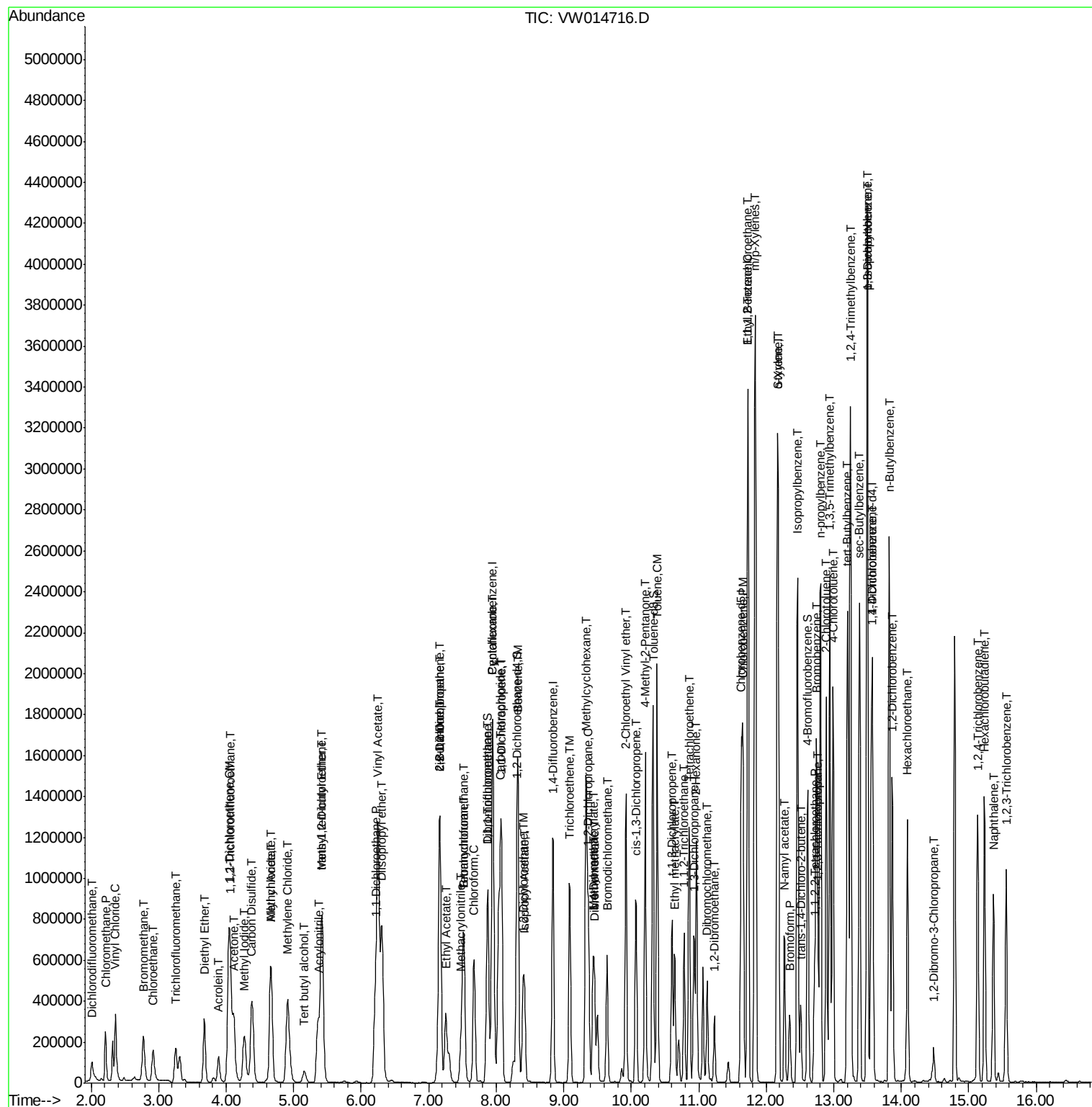
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Data File : VW014716.D
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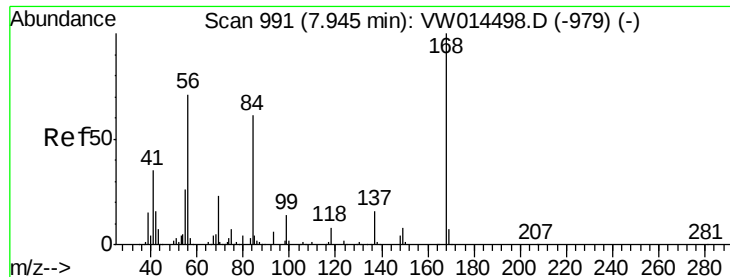
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 674622

Ion Ratio Lower Upper

168 100

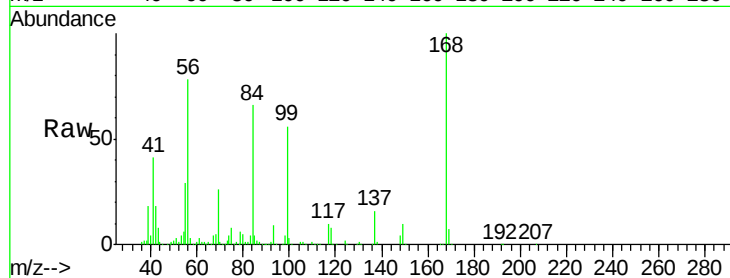
99 55.6 41.1 61.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

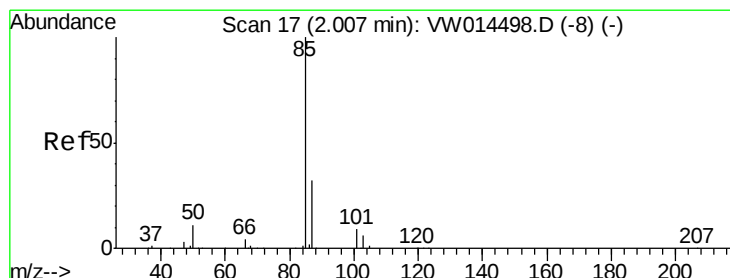
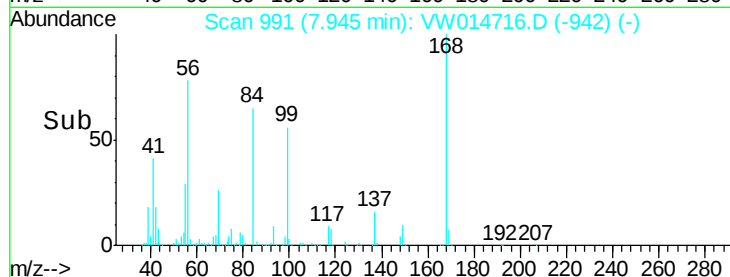
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.105 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW014716.D

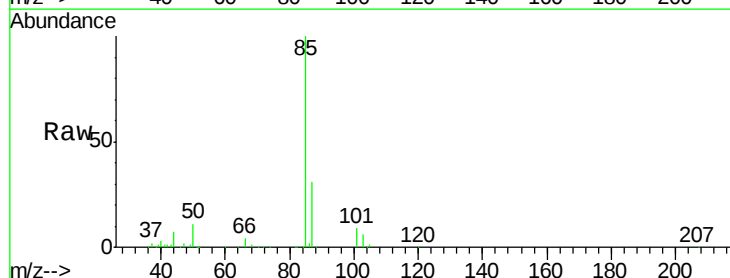
Acq: 22 Jan 2020 16:37

Tgt Ion: 85 Resp: 171808

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

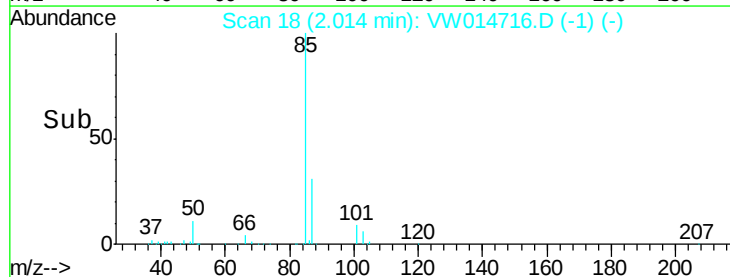
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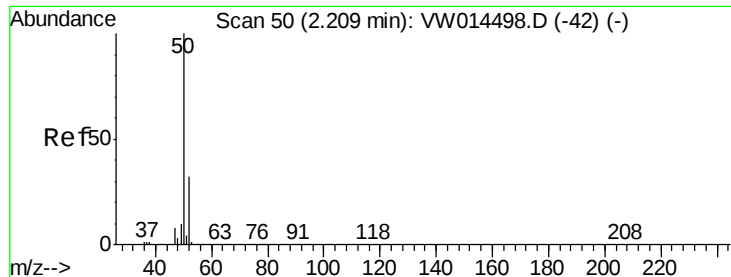
20000

10000

0

Time-->





#3

Chloromethane

Concen: 48.906 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 228018

Ion Ratio Lower Upper

50 100

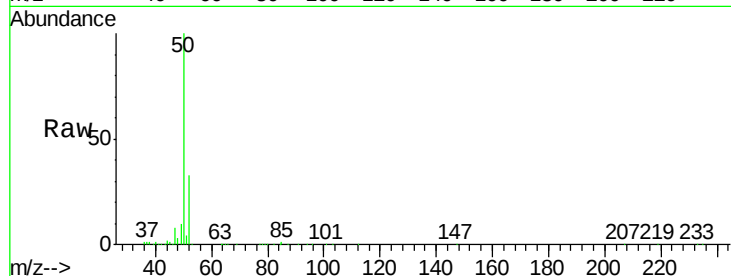
52 32.9 25.8 38.8

Manual Integrations

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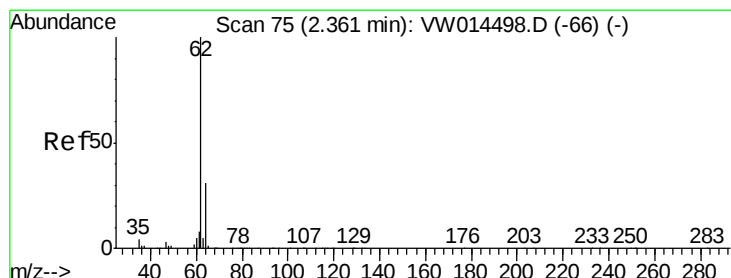
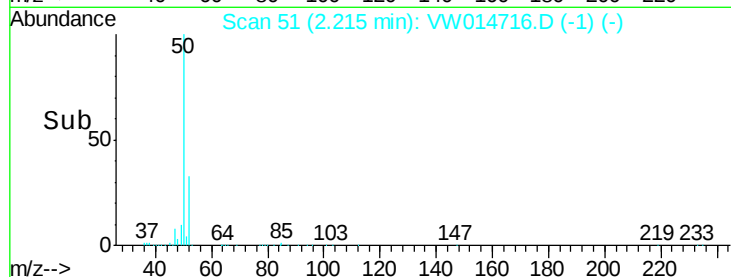
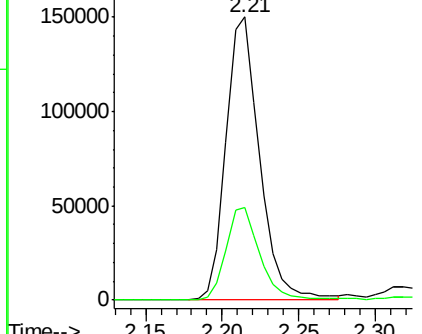
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 51.122 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014716.D

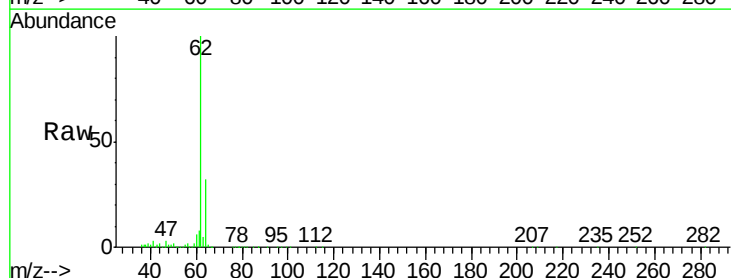
Acq: 22 Jan 2020 16:37

Tgt Ion: 62 Resp: 350575

Ion Ratio Lower Upper

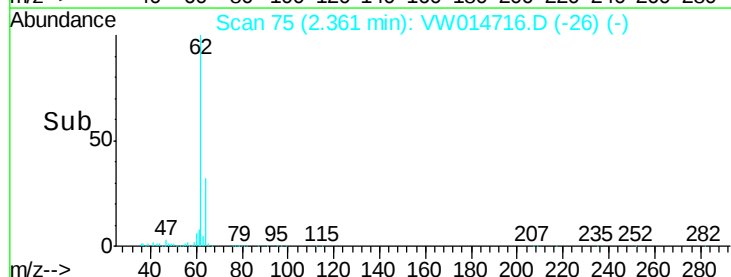
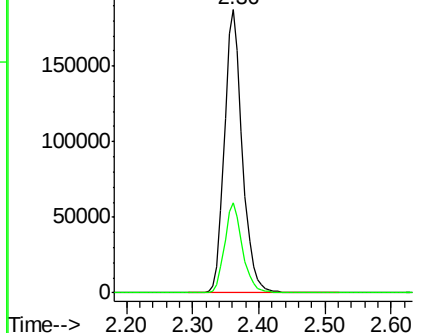
62 100

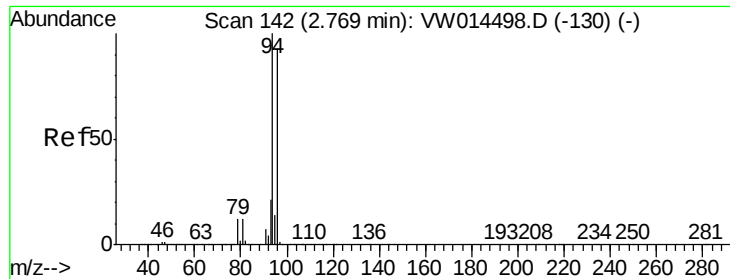
64 31.7 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 50.193 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 212631

Ion Ratio Lower Upper

94 100

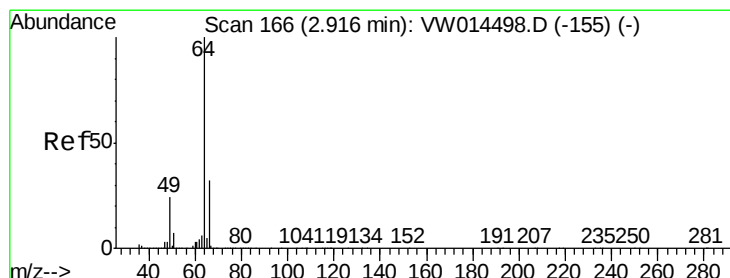
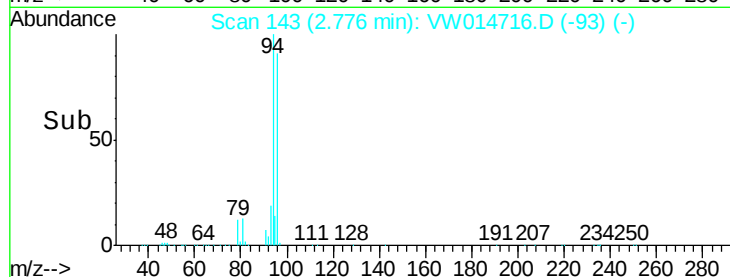
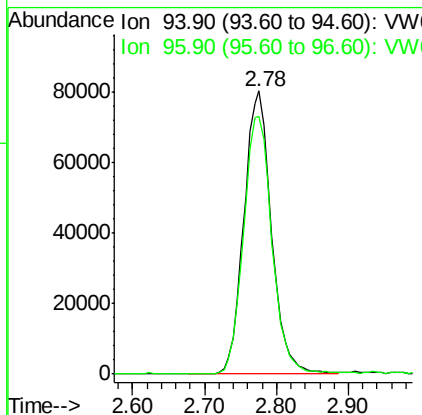
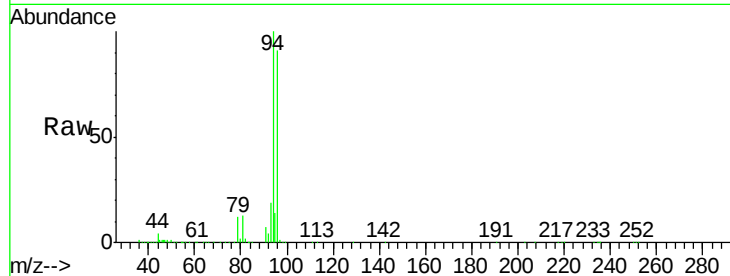
96 91.1 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 51.707 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014716.D

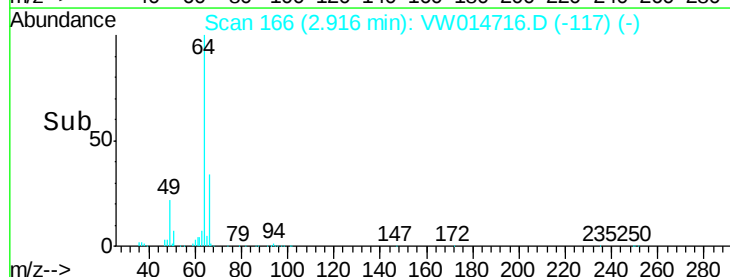
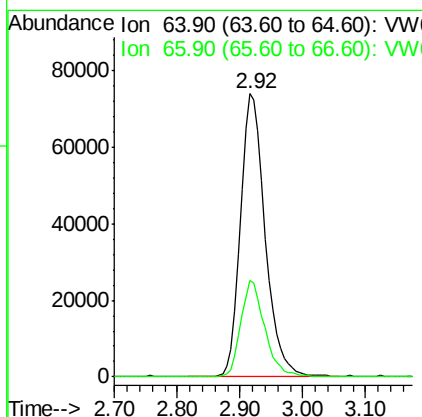
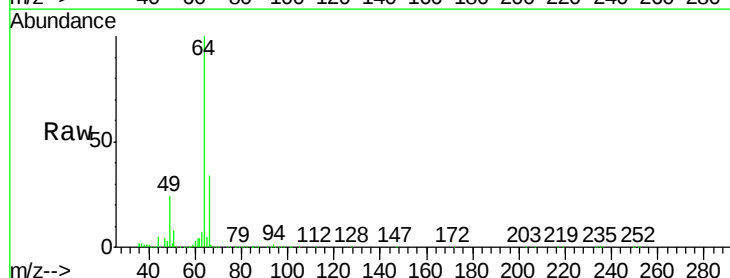
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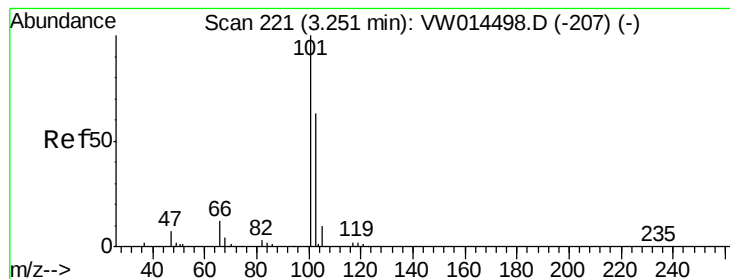
Tgt Ion: 64 Resp: 202127

Ion Ratio Lower Upper

64 100

66 34.0 25.7 38.5





#7

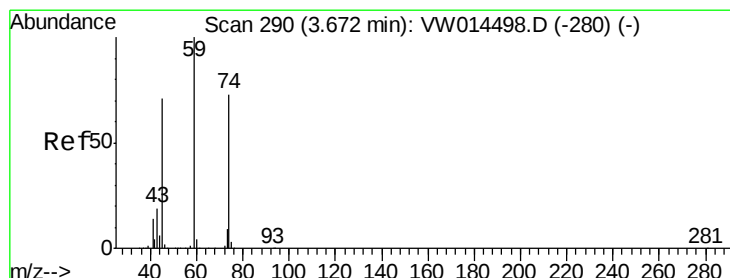
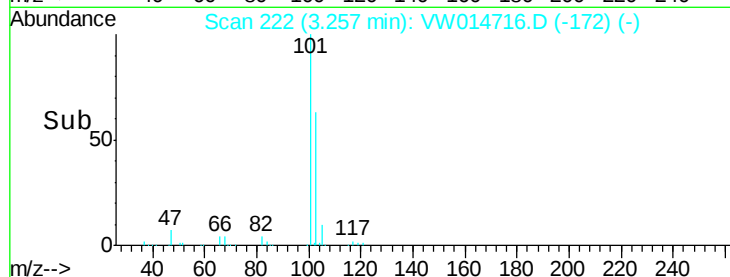
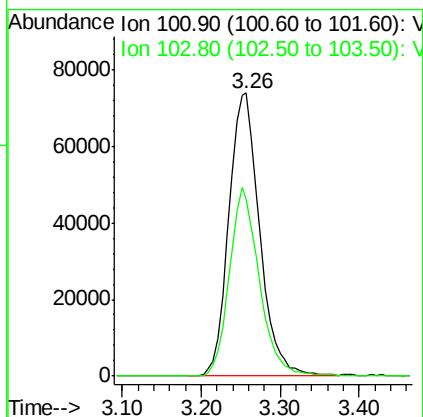
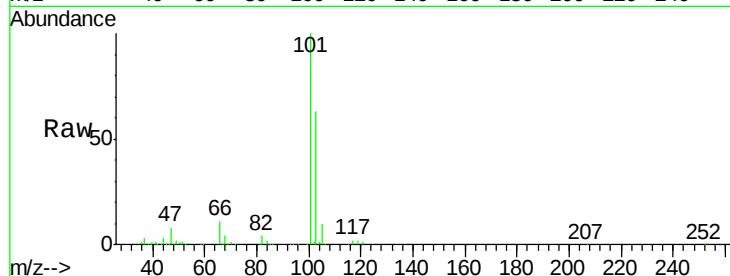
Trichlorofluoromethane
Concen: 58.646 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.1	75.1

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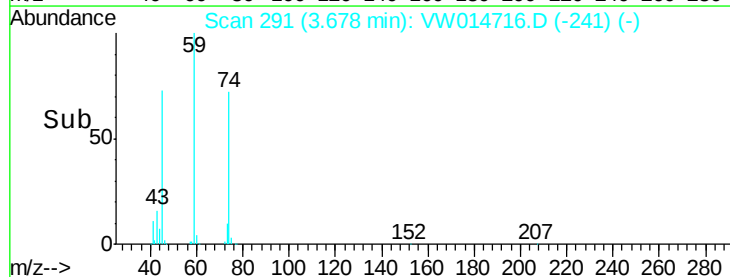
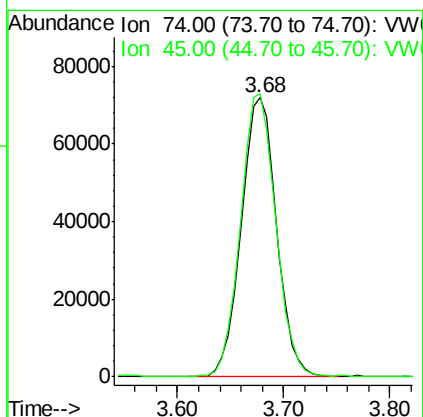
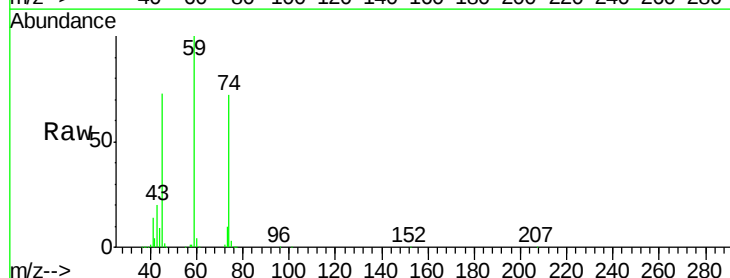
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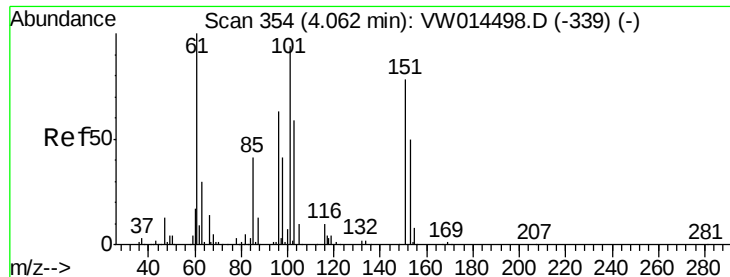


#8

Diethyl Ether
Concen: 49.083 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.264 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

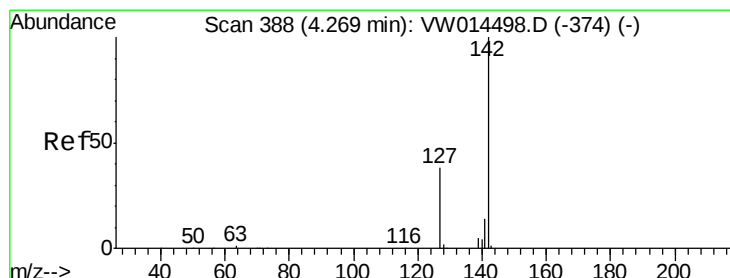
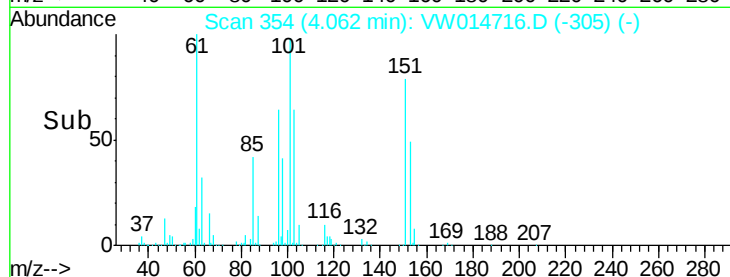
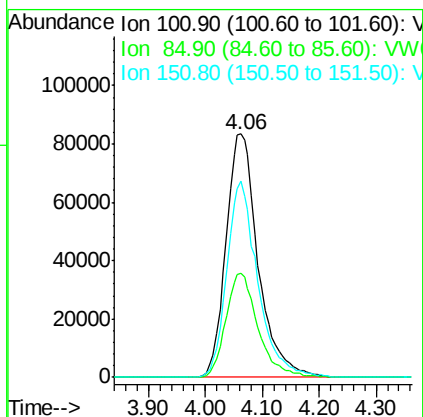
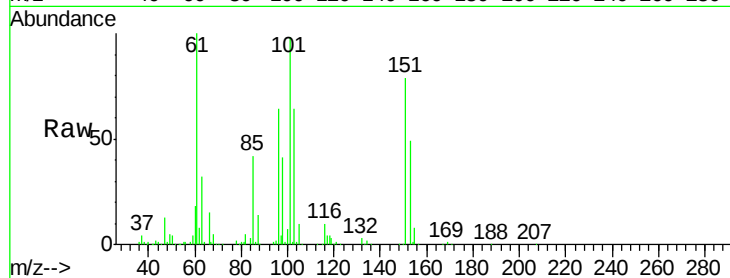
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	328642
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.7	50.5
151	77.8	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 48.370 ug/l

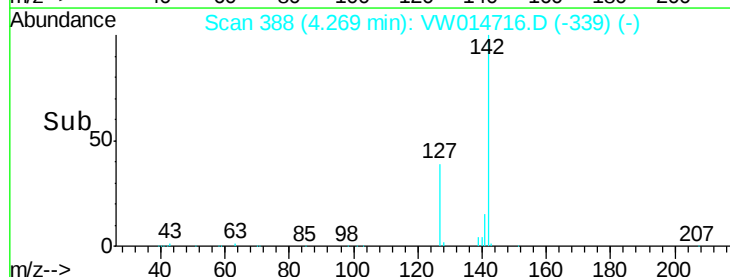
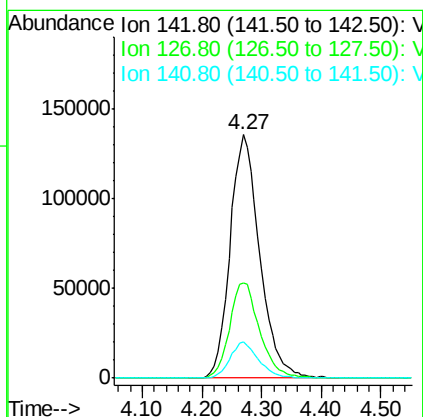
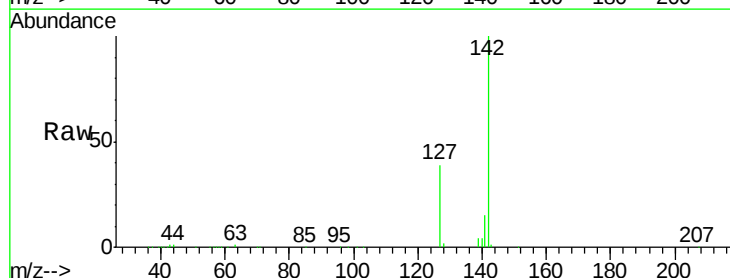
RT: 4.27 min Scan# 388

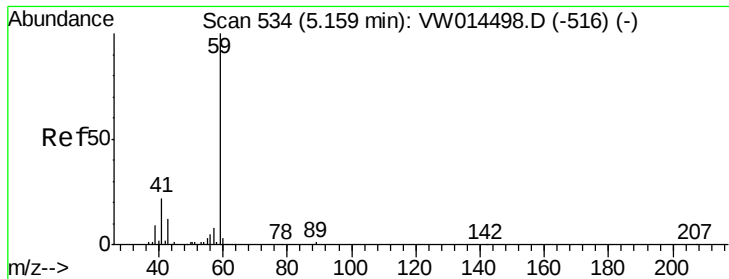
Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Tgt Ion:	142	Resp:	467878
Ion Ratio	Lower	Upper	
142	100		
127	39.9	30.2	45.4
141	14.5	11.4	17.2





#11

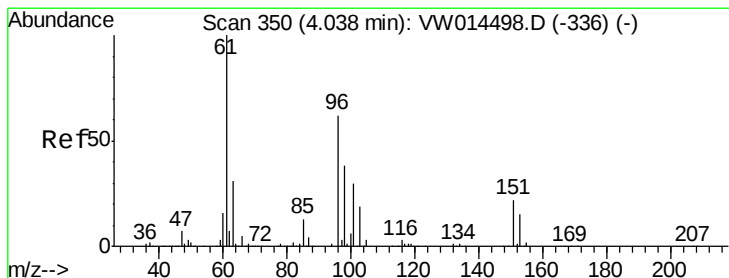
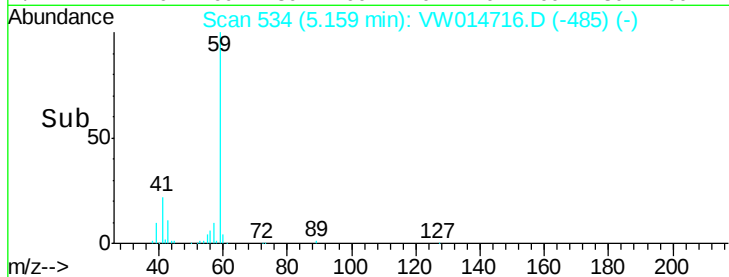
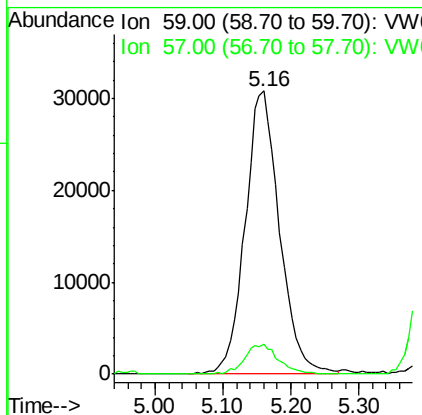
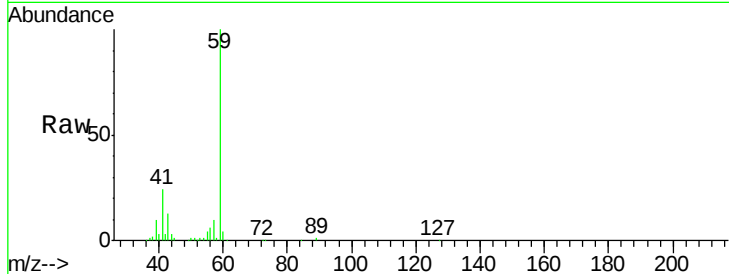
Tert butyl alcohol
Concen: 237.483 ug/l
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8

Manual Integrations
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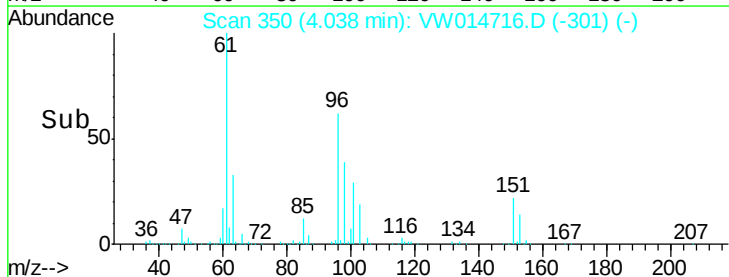
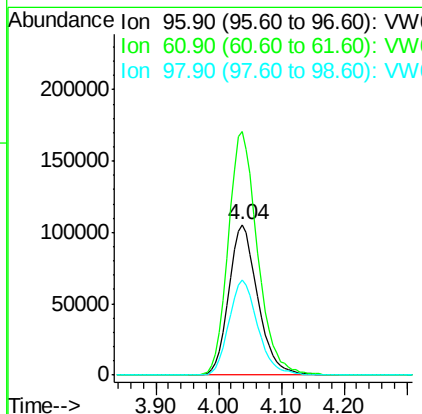
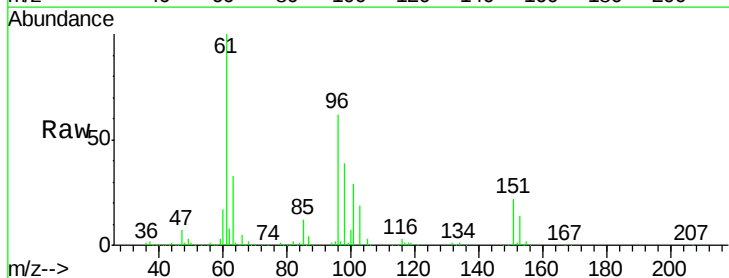
MMDadoda
1/23/2020 2:33:11 PM

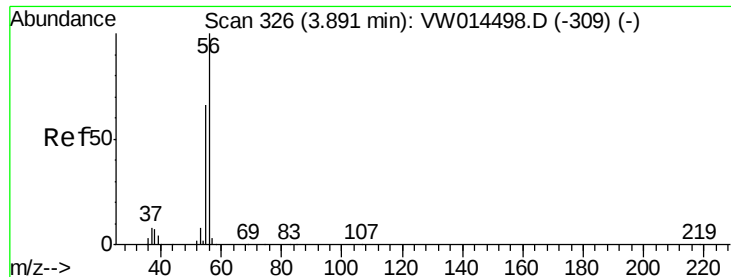


#12

1,1-Dichloroethene
Concen: 50.282 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.7	128.4	192.6
98	63.3	49.1	73.7





#13

Acrolein

Concen: 305.589 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 157320

Ion Ratio Lower Upper

56 100

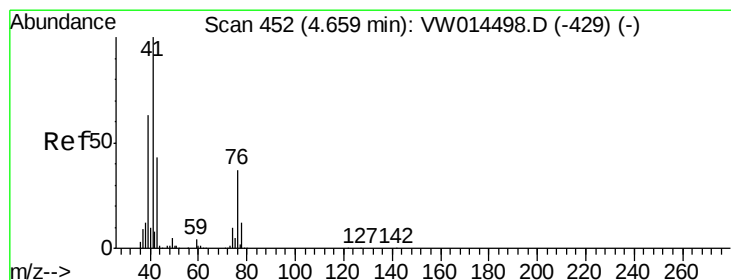
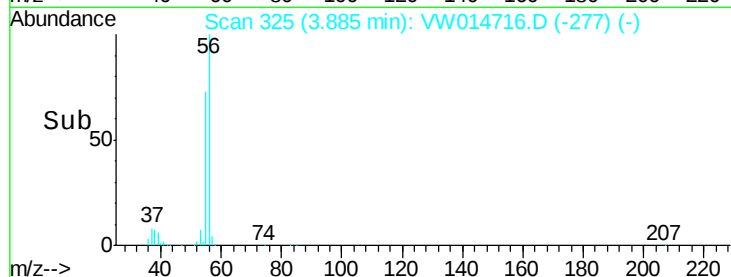
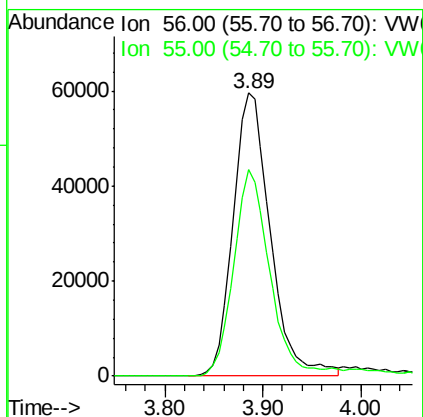
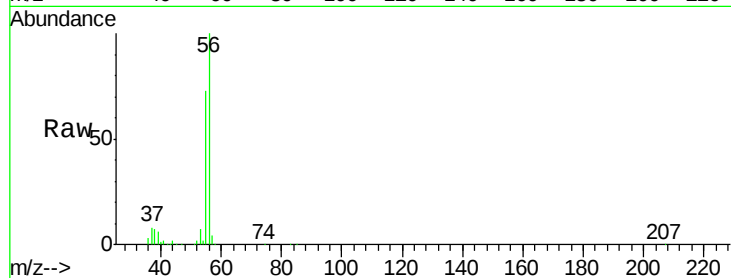
55 69.6 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 53.334 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

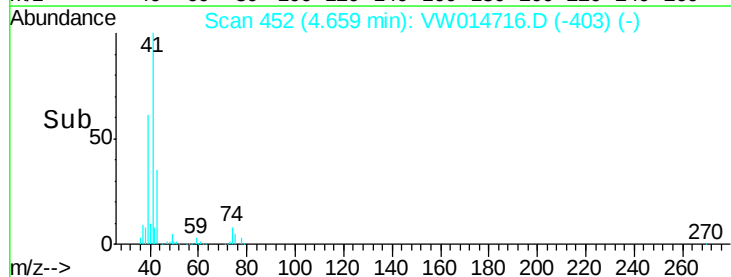
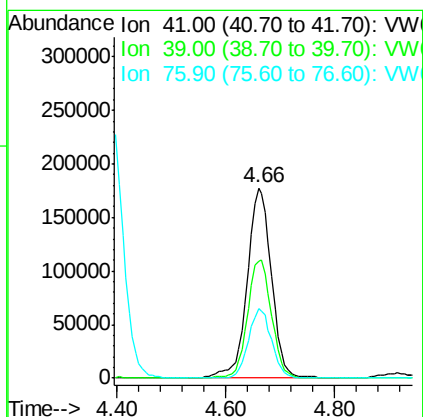
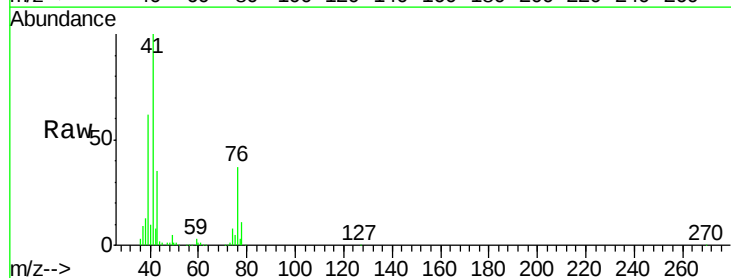
Tgt Ion: 41 Resp: 547168

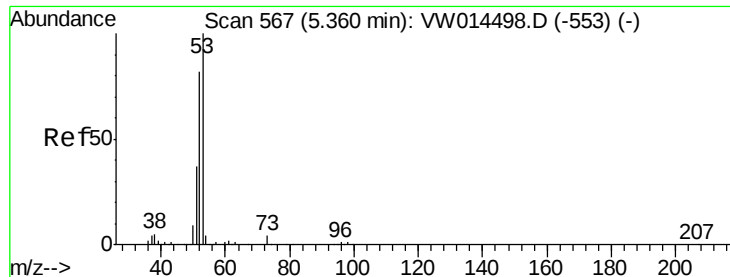
Ion Ratio Lower Upper

41 100

39 61.5 48.5 72.7

76 34.3 28.1 42.1





#15

Acrylonitrile

Concen: 247.110 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

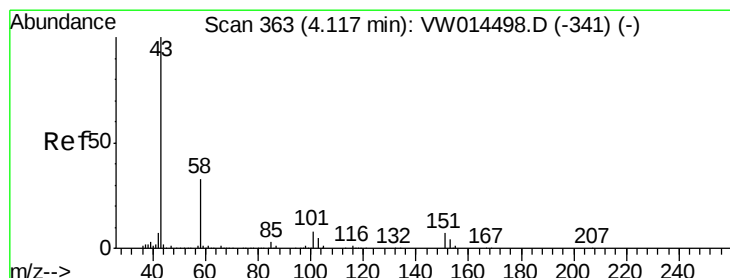
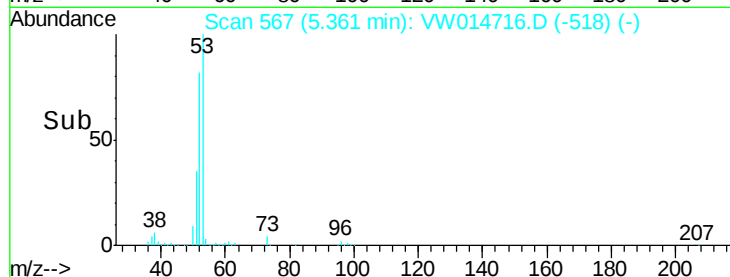
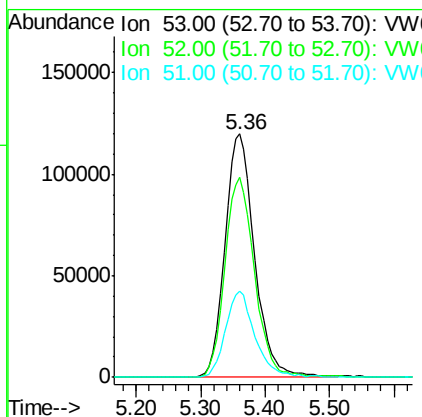
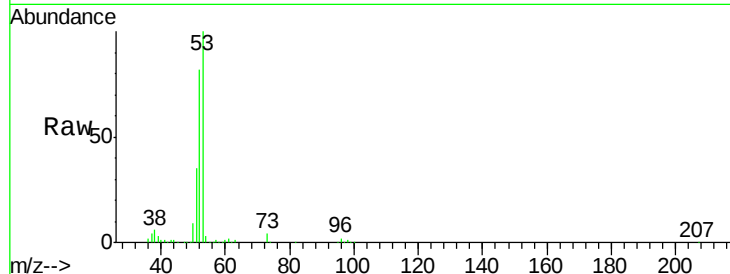
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	385601
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.5	99.7
51	35.2	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 256.299 ug/l

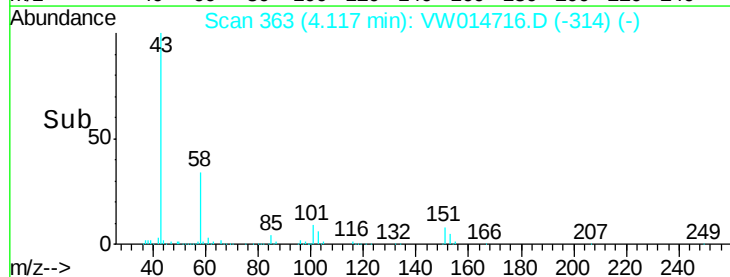
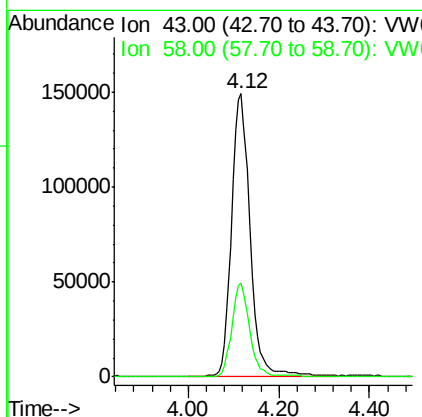
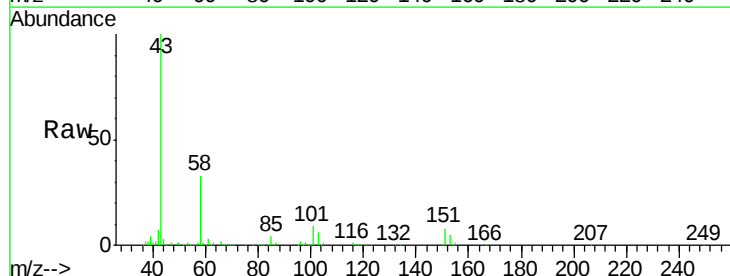
RT: 4.12 min Scan# 363

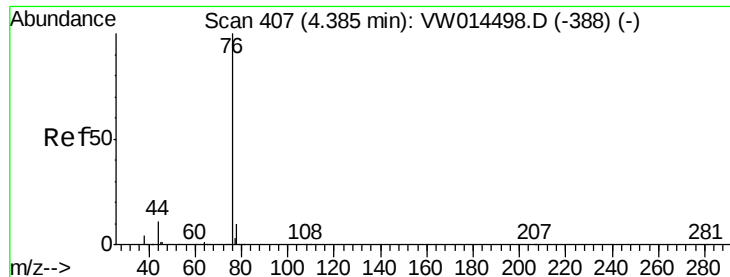
Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Tgt Ion:	43	Resp:	426863
Ion Ratio	Lower	Upper	
43	100		
58	33.2	26.6	39.8





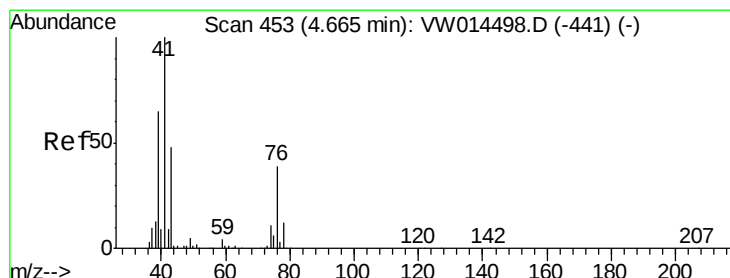
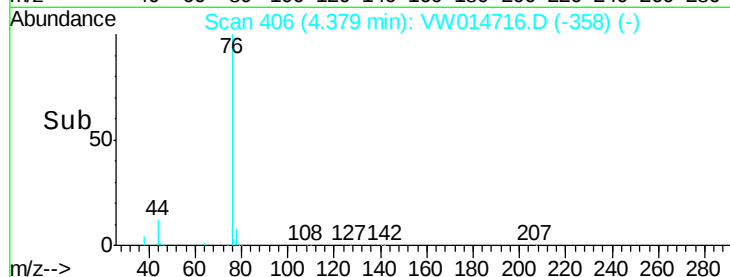
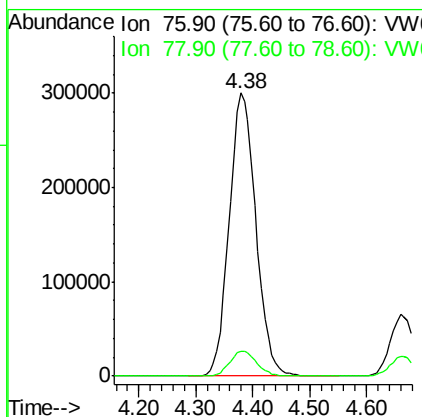
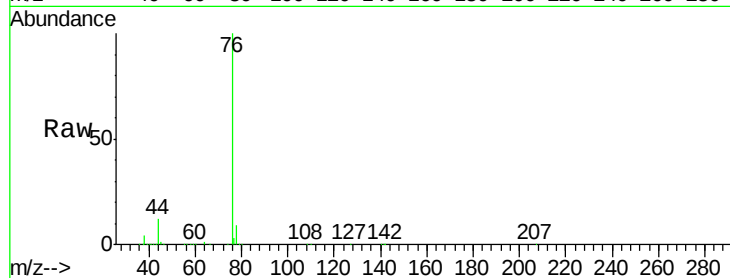
#17
Carbon Disulfide
Concen: 48.508 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.8	11.6

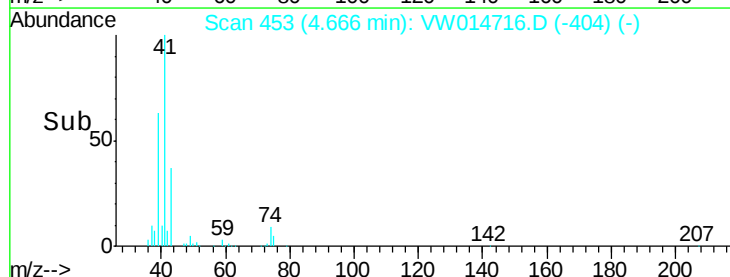
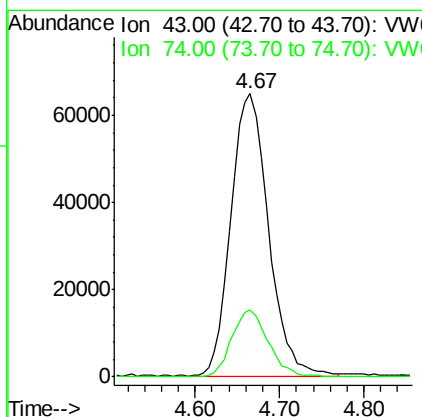
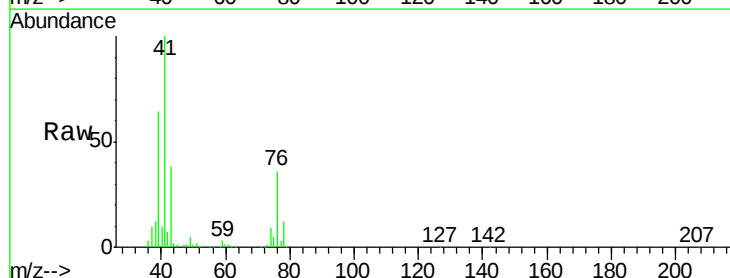
Manual Integrations
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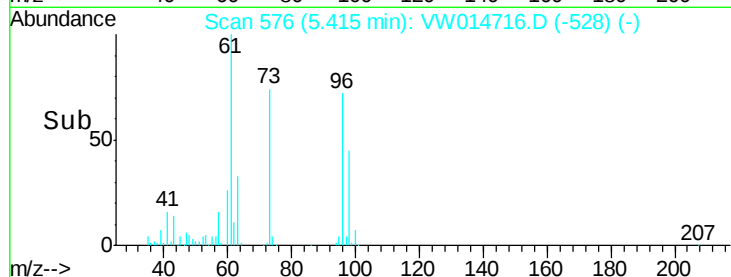
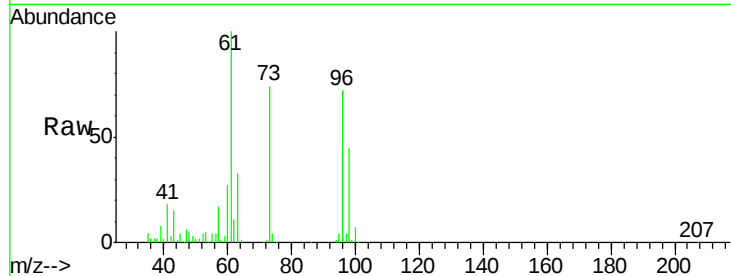
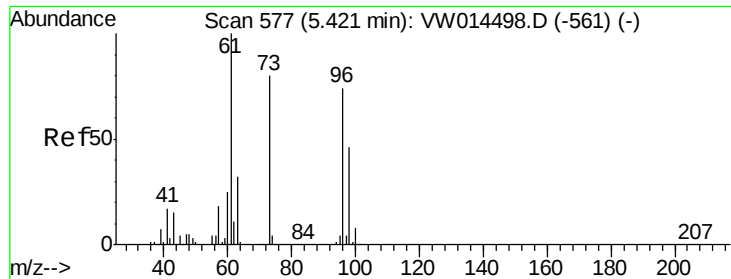
MMDadoda
1/23/2020 2:33:11 PM



#18
Methyl Acetate
Concen: 48.675 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.3	28.9





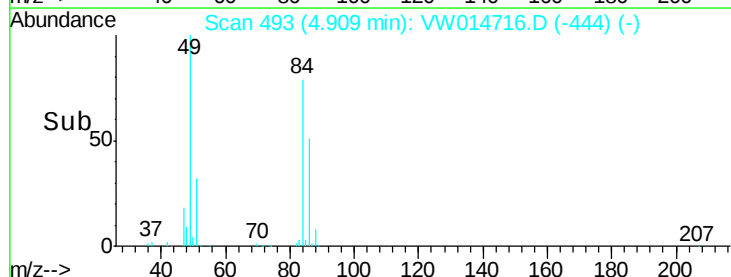
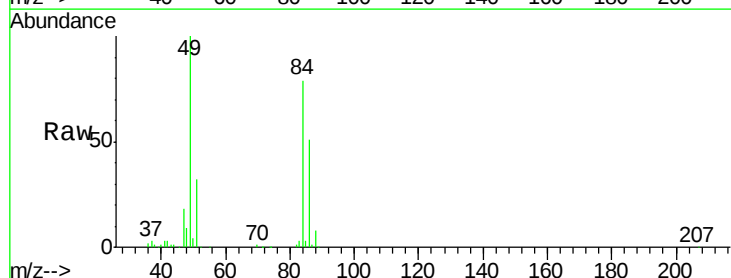
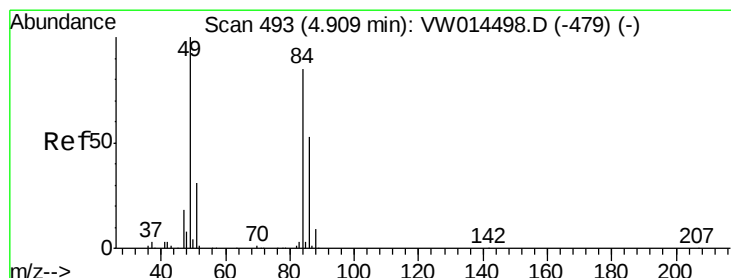
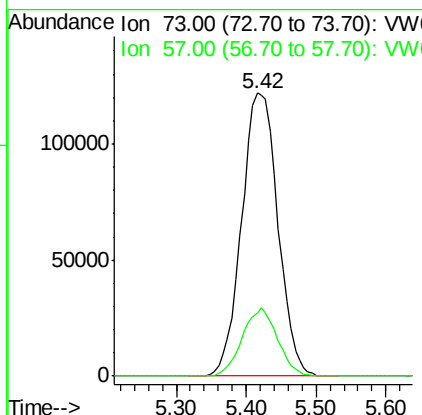
#19
Methyl tert-butyl Ether
Concen: 52.755 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.1	27.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

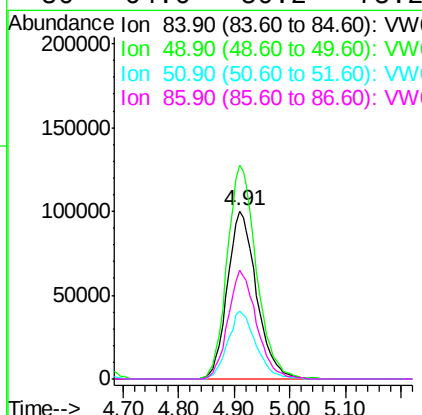
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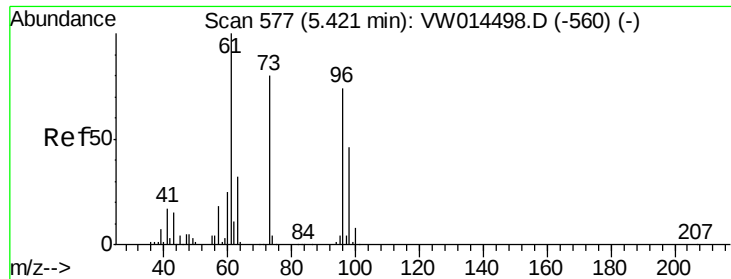
MMDadoda
1/23/2020 2:33:11 PM



#20
Methylene Chloride
Concen: 54.154 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.0	94.4	141.6
51	40.5	29.5	44.3
86	64.6	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 49.798 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

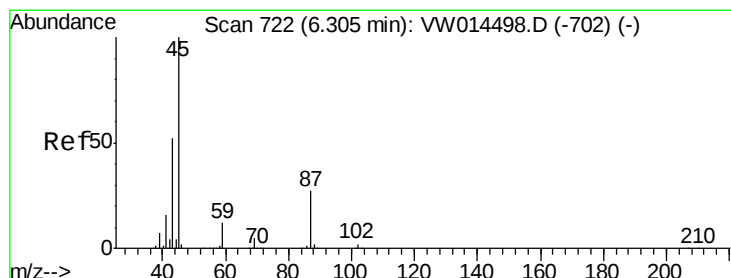
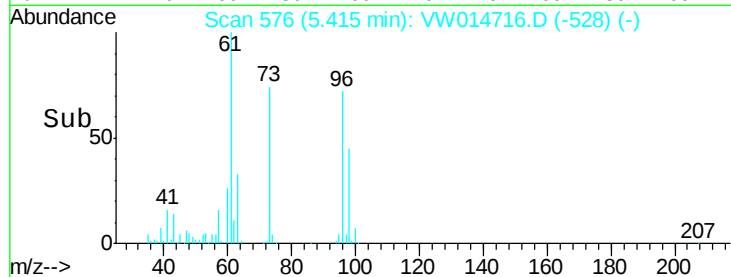
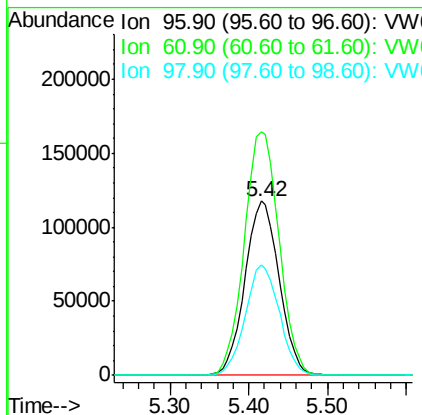
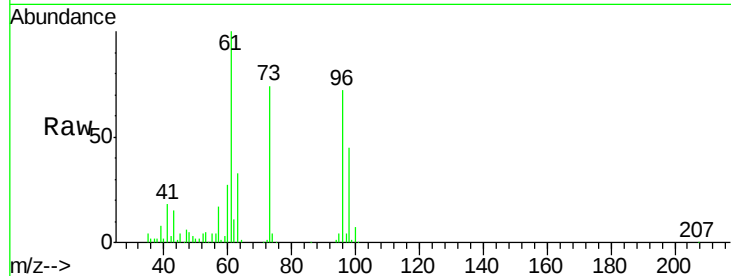
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	354984
Ion	Ratio	Lower	Upper
96	100		
61	139.8	107.8	161.6
98	63.1	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.162 ug/l

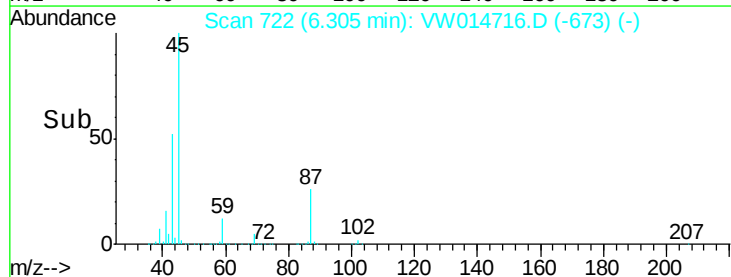
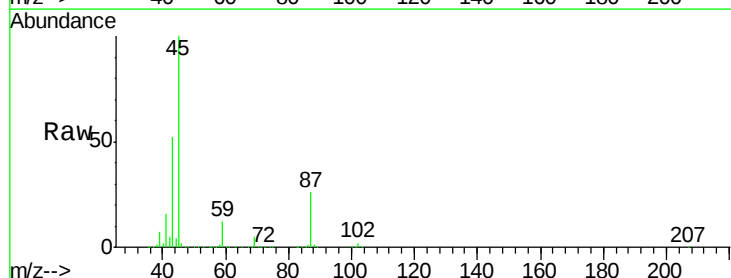
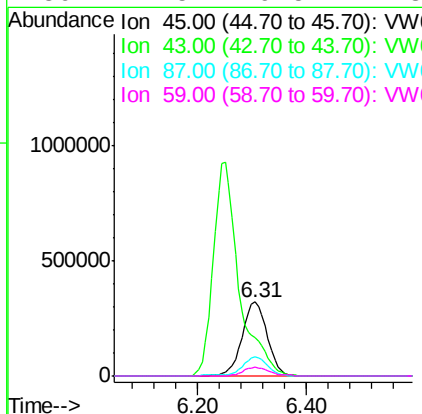
RT: 6.31 min Scan# 722

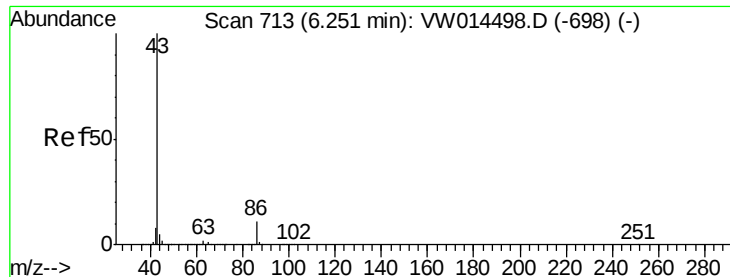
Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Tgt Ion:	45	Resp:	1040060
Ion	Ratio	Lower	Upper
45	100		
43	51.5	41.4	62.0
87	25.8	22.2	33.2
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 262.243 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Tot Ion: 43 Resp: 3040893

Ion Ratio Lower Upper

43 100

86 10.1 8.8 13.2

Instrument :

MSVOA_W

ClientSampleId :

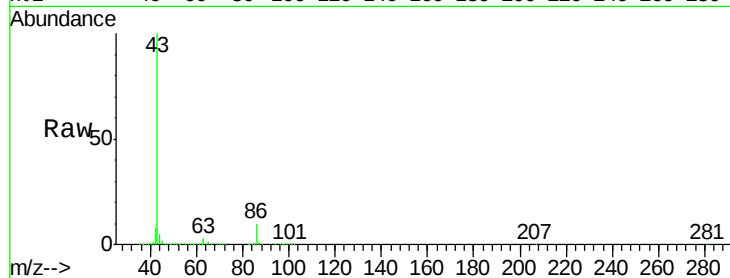
VSTDCCC050EC

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

1000000

800000

600000

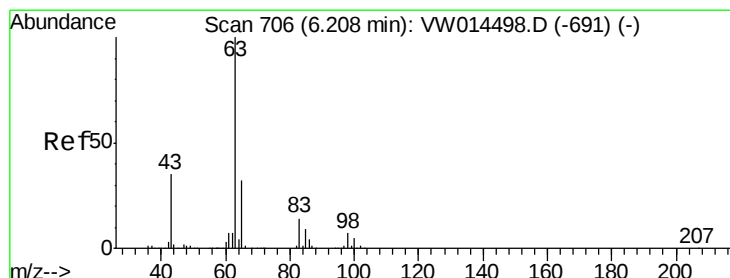
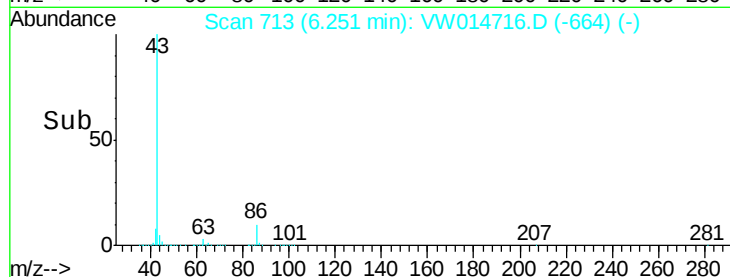
400000

200000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 52.078 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

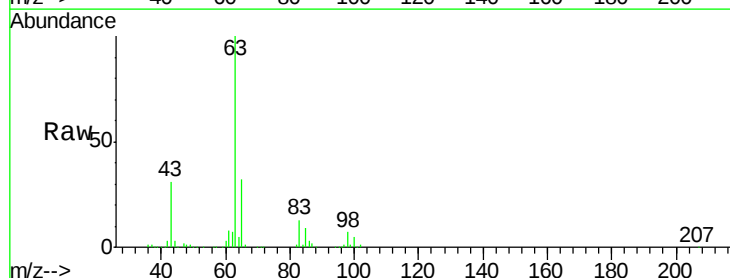
Tgt Ion: 63 Resp: 630817

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.8 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

250000

200000

150000

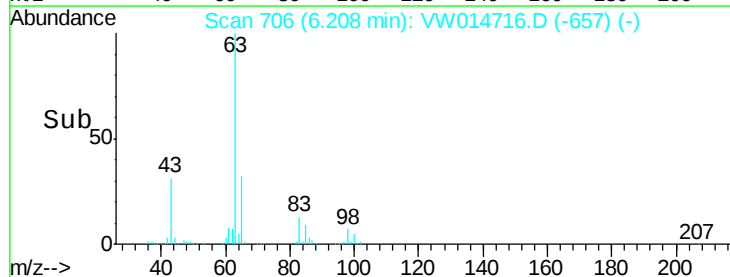
100000

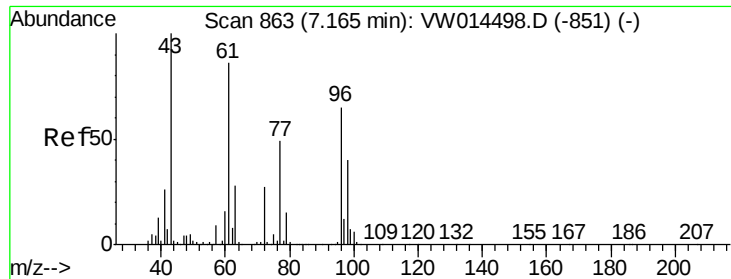
50000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 246.895 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 527705

Ion Ratio Lower Upper

43 100

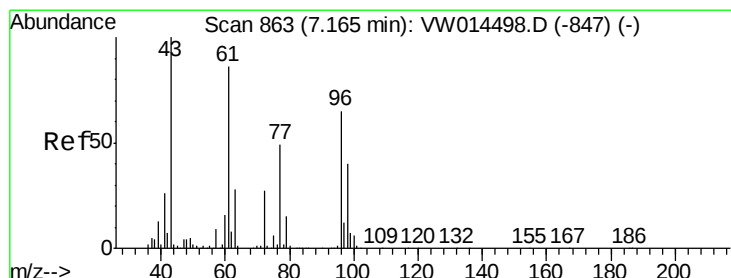
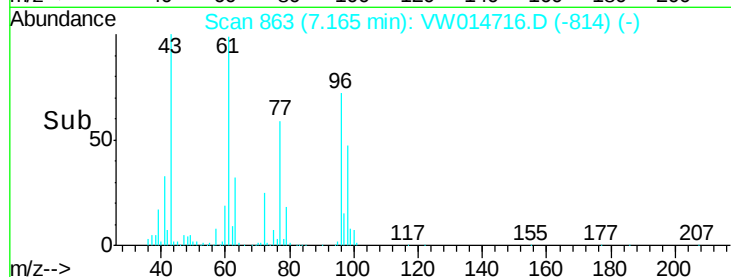
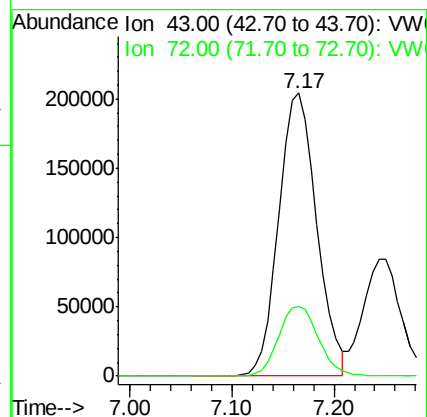
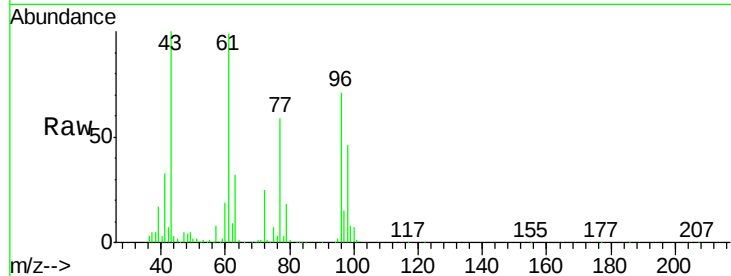
72 24.7 21.9 32.9

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#26

2,2-Dichloropropane

Concen: 51.838 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014716.D

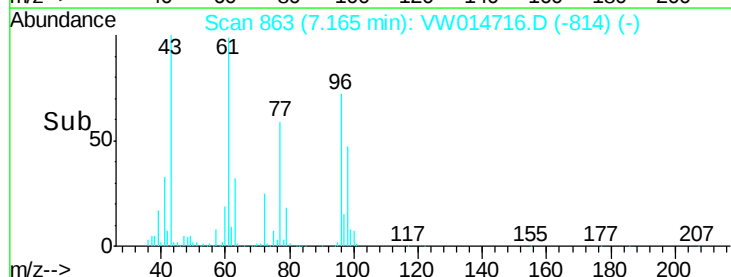
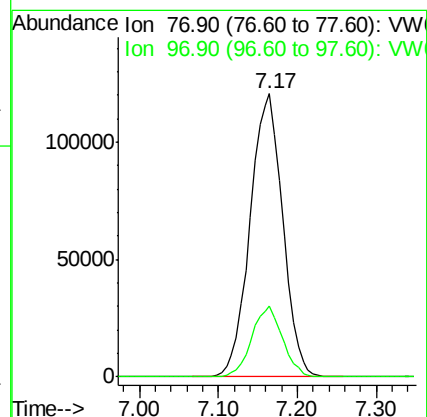
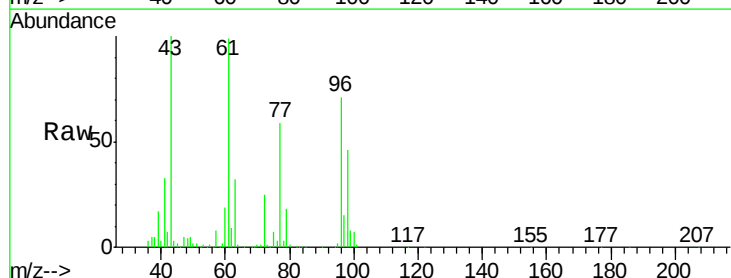
Acq: 22 Jan 2020 16:37

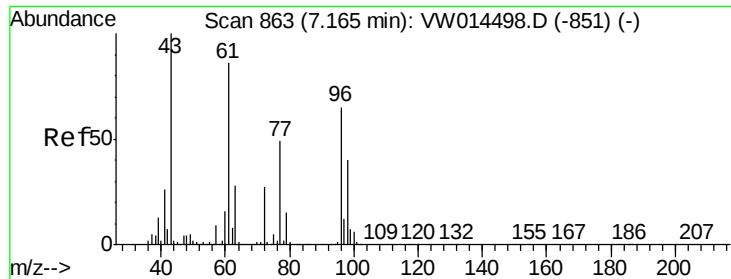
Tgt Ion: 77 Resp: 347639

Ion Ratio Lower Upper

77 100

97 23.5 12.5 37.5





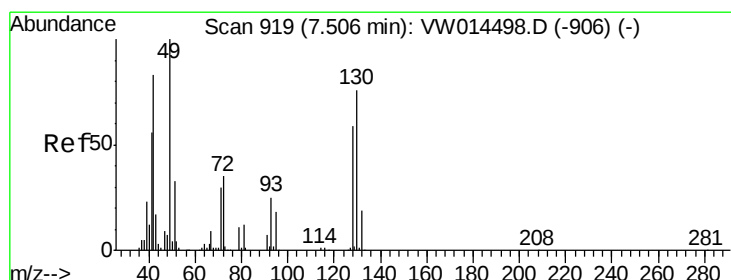
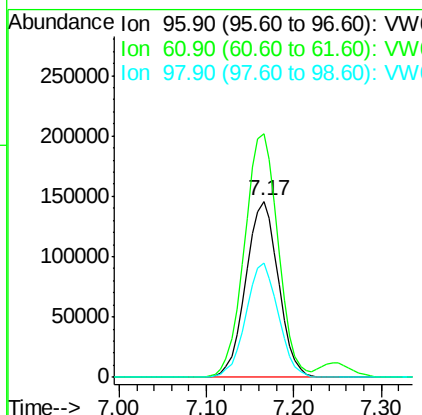
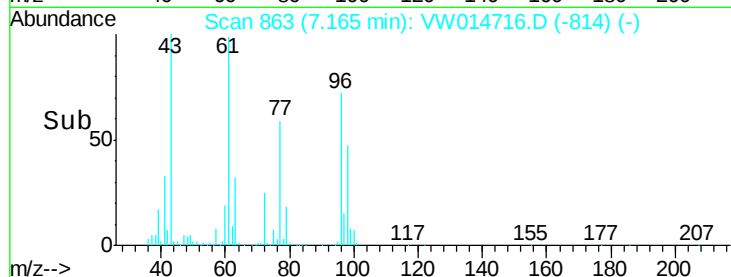
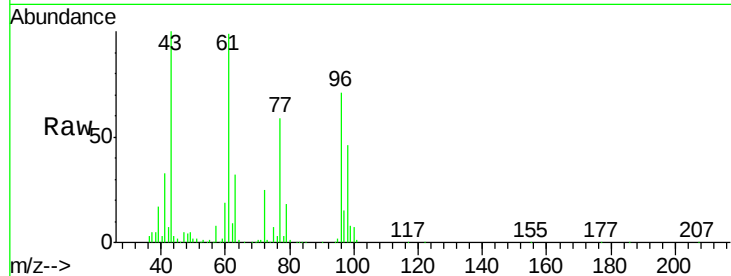
#27
 cis-1,2-Dichloroethene
 Concen: 50.368 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	274.8
98	64.7	0.0	128.6

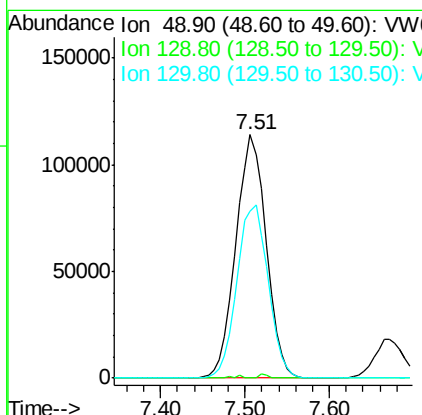
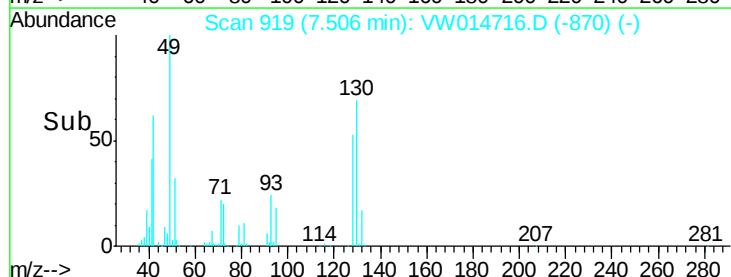
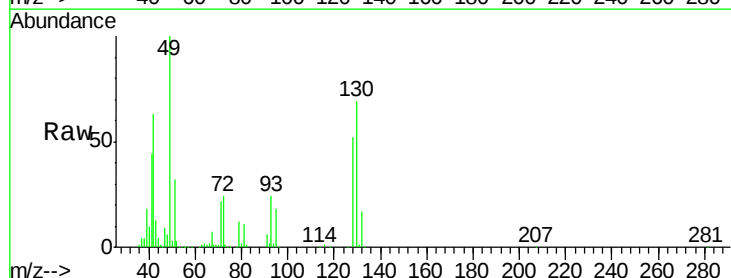
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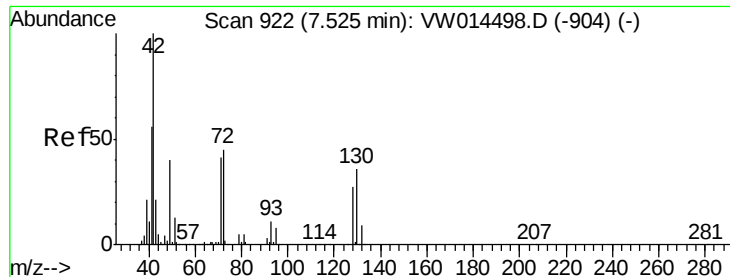
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#28
 Bromochloromethane
 Concen: 58.523 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.0
130	73.2	62.5	93.7





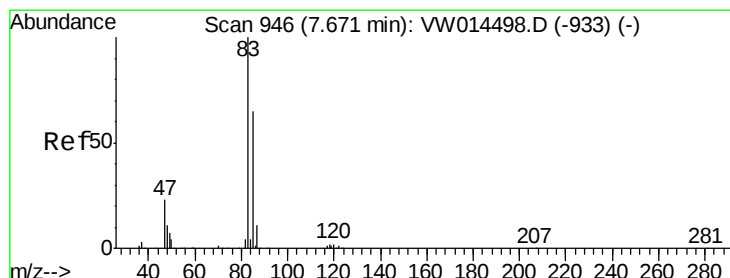
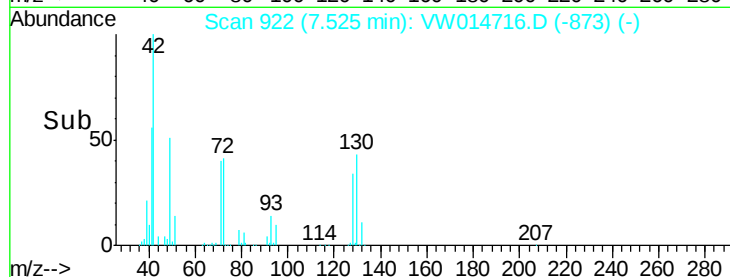
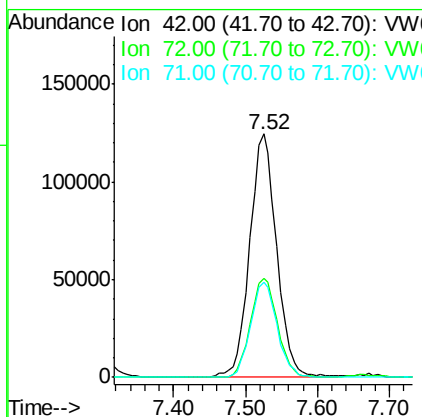
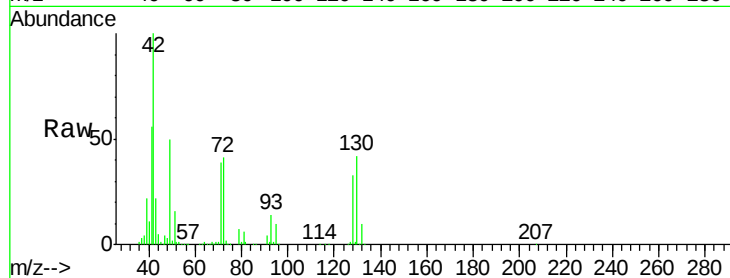
#29
Tetrahydrofuran
Concen: 244.264 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.5	51.7
71	38.6	32.0	48.0

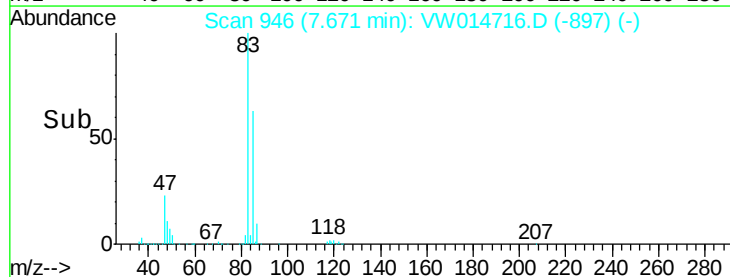
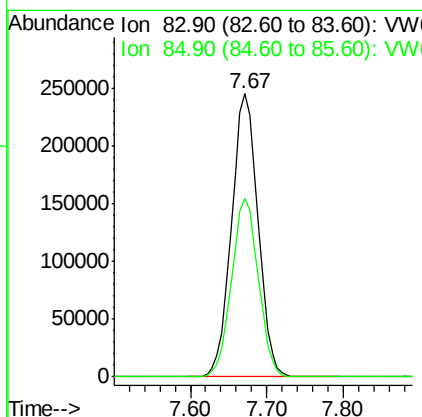
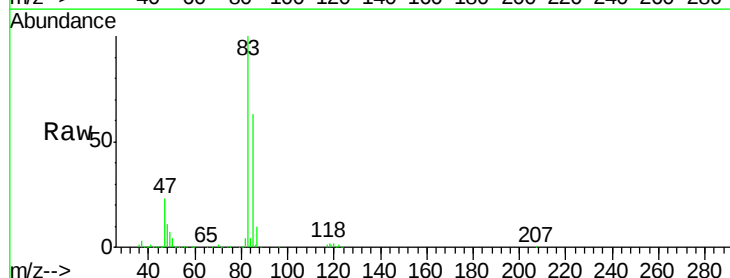
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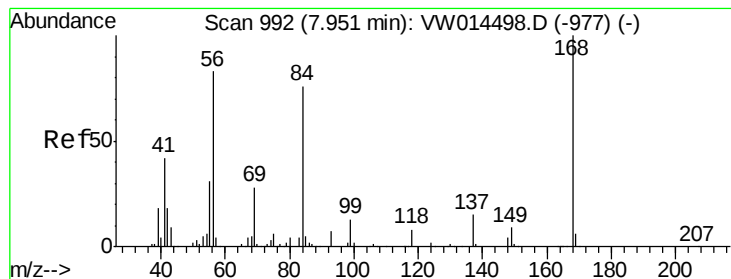
MMDadoda
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#30
Chloroform
Concen: 51.963 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.2	78.2





#31

Cyclohexane

Concen: 49.038 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 617298

Ion Ratio Lower Upper

56 100

69 33.1 26.8 40.2

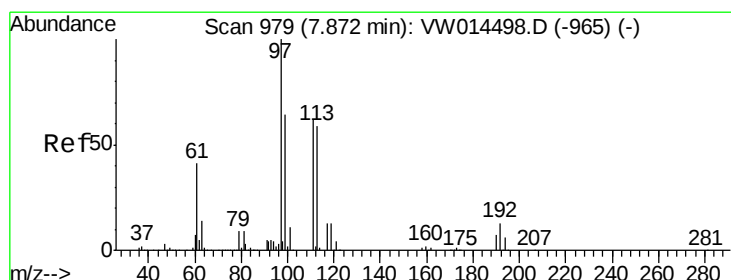
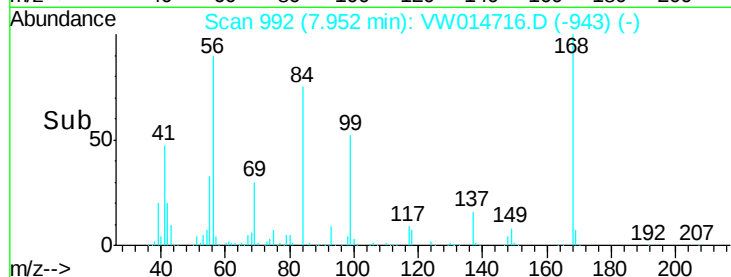
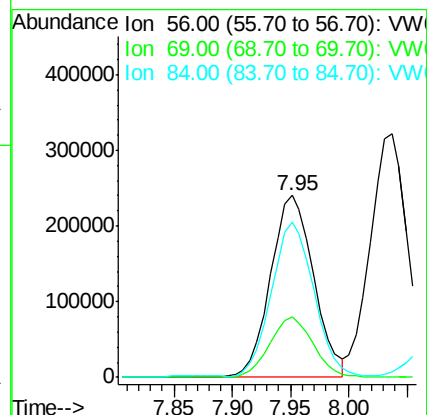
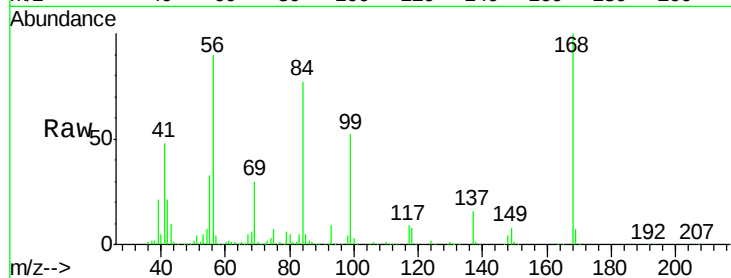
84 84.3 71.8 107.6

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#32

1,1,1-Trichloroethane

Concen: 52.350 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

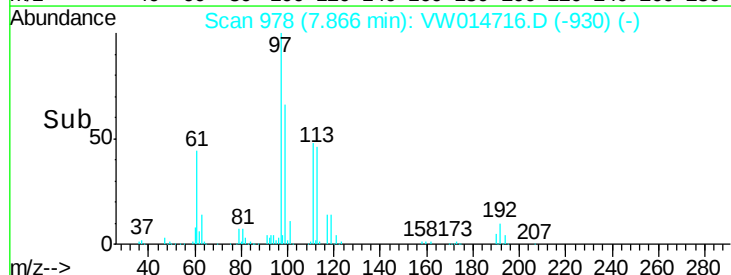
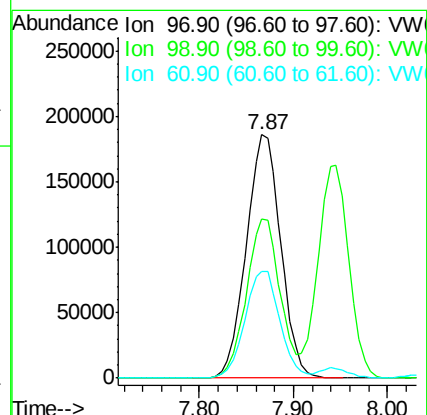
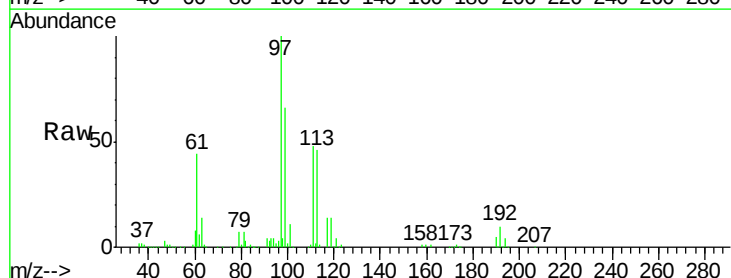
Tgt Ion: 97 Resp: 476908

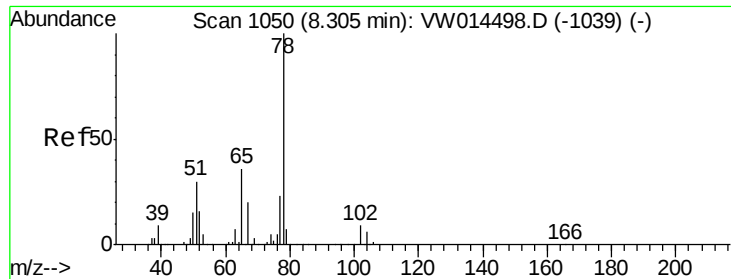
Ion Ratio Lower Upper

97 100

99 63.8 51.8 77.6

61 44.9 33.8 50.8





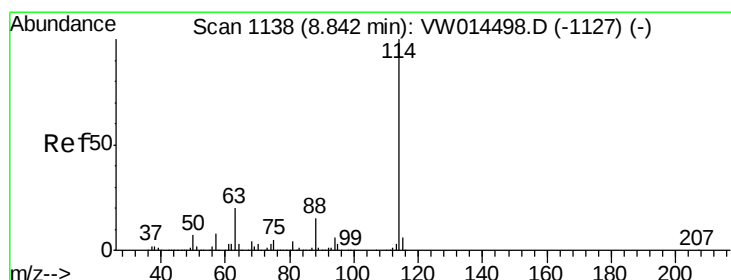
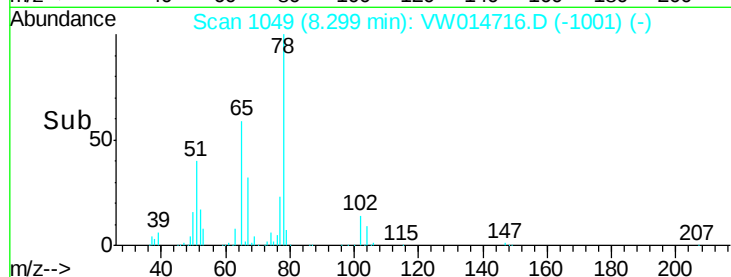
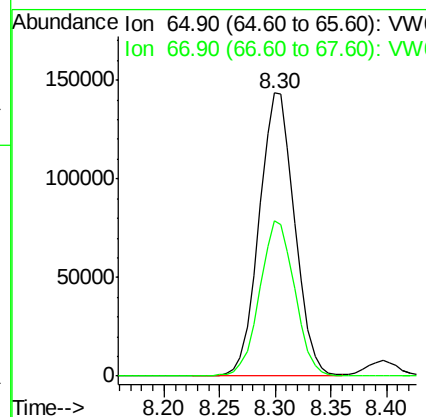
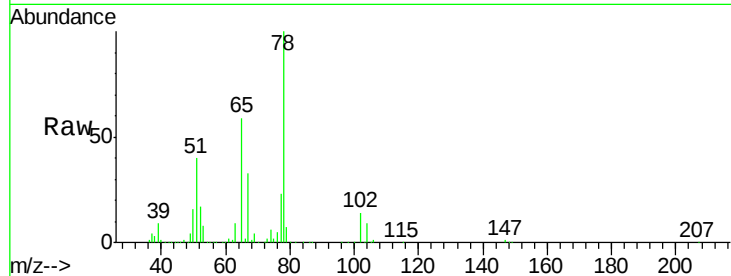
#33
 1,2-Dichloroethane-d4
 Concen: 53.977 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	108.4	

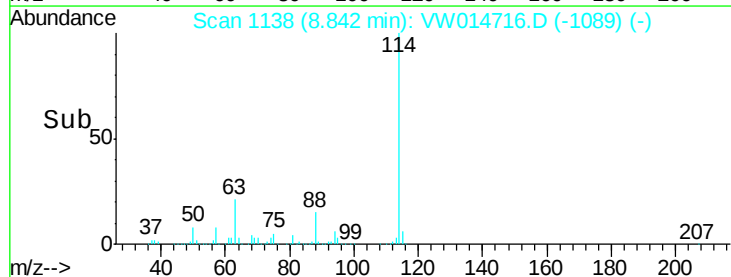
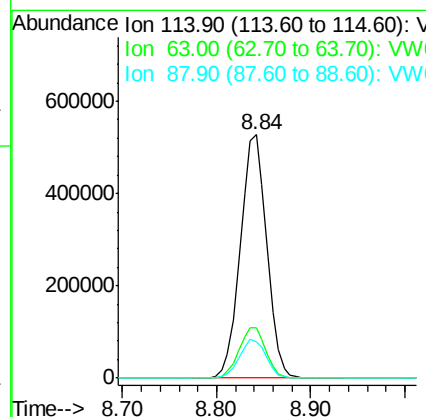
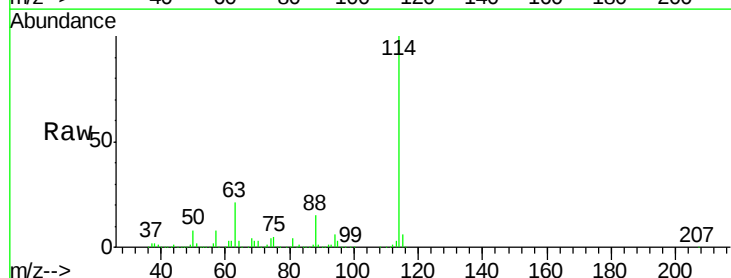
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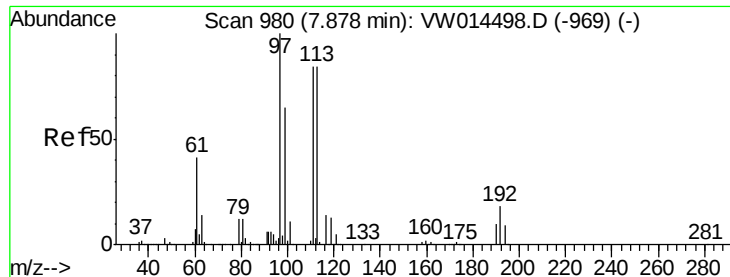
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.8	0.0	40.4	
88	14.9	0.0	30.6	





#35

Dibromofluoromethane

Concen: 52.414 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

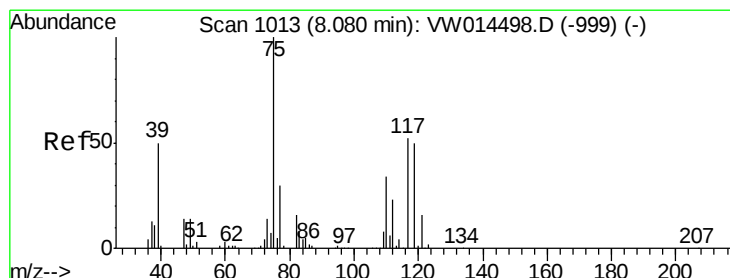
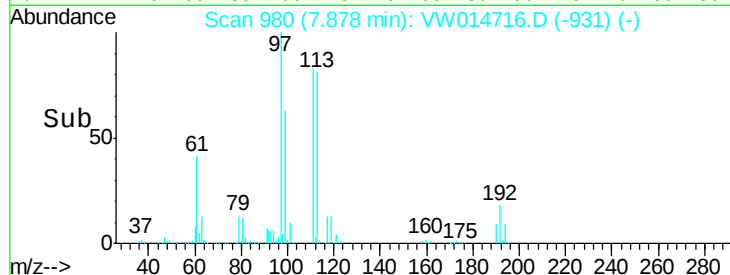
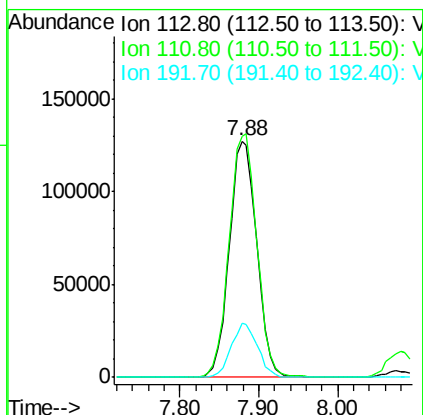
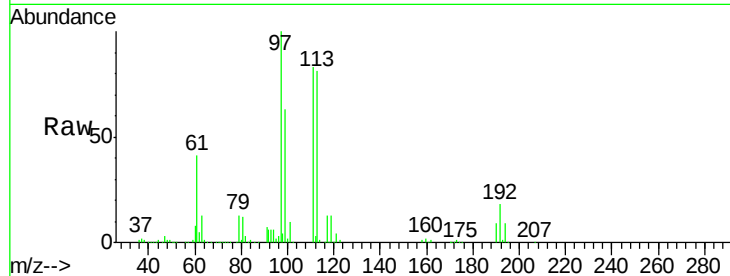
ClientSampled :

VSTDCCC050EC

Tot Ion:	113	Resp:	307597
Ion Ratio	Lower	Upper	
113	100		
111	104.1	81.4	122.2
192	21.9	17.8	26.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.580 ug/l

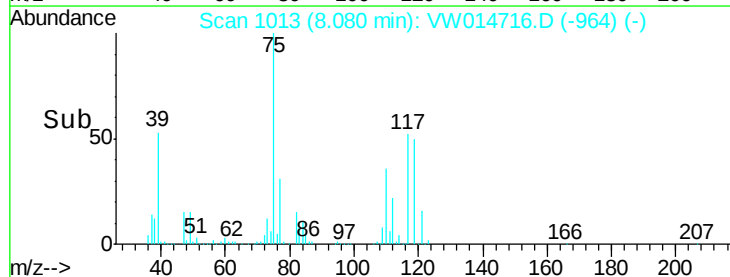
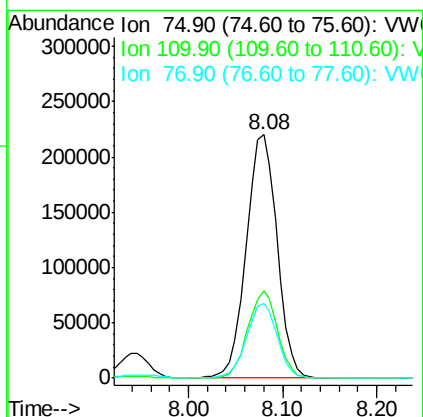
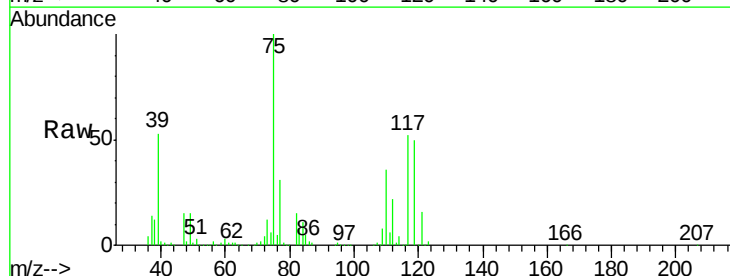
RT: 8.08 min Scan# 1013

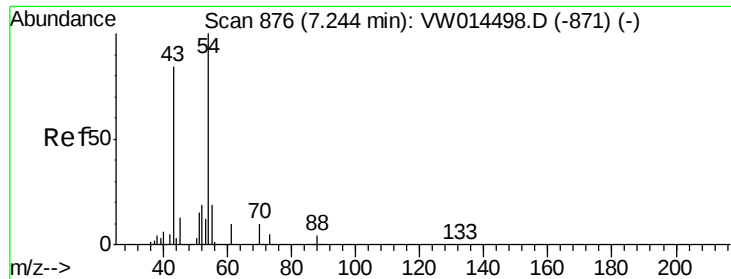
Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Tgt Ion:	75	Resp:	500711
Ion Ratio	Lower	Upper	
75	100		
110	34.6	17.8	53.5
77	30.9	24.7	37.1





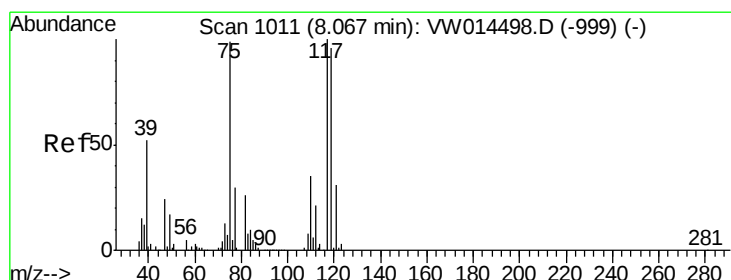
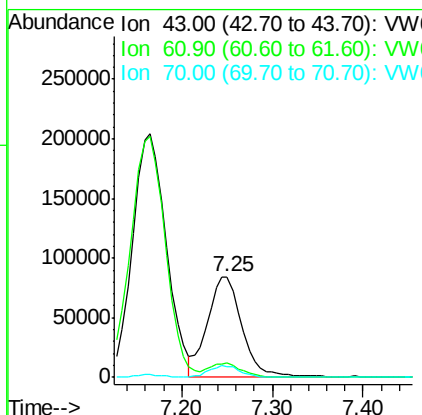
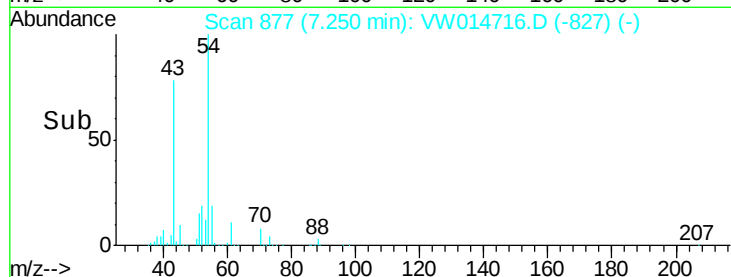
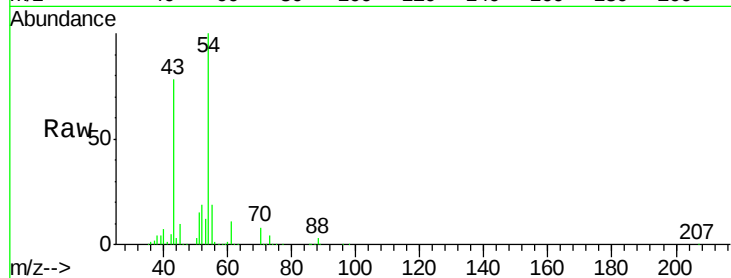
#37
Ethyl Acetate
Concen: 49.859 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.7	17.5
70	10.7	9.0	13.6

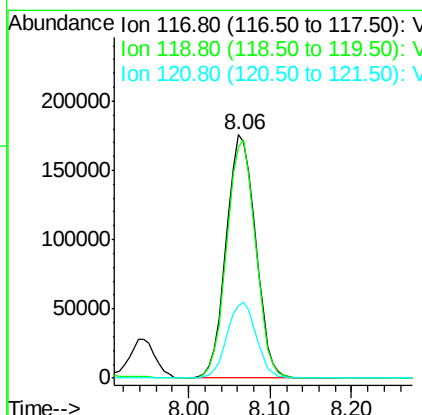
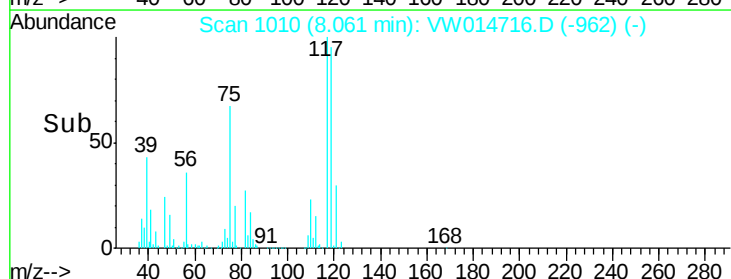
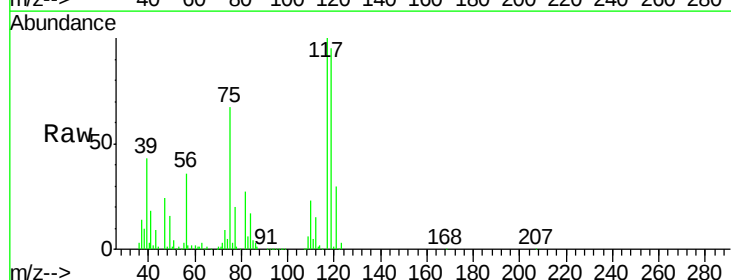
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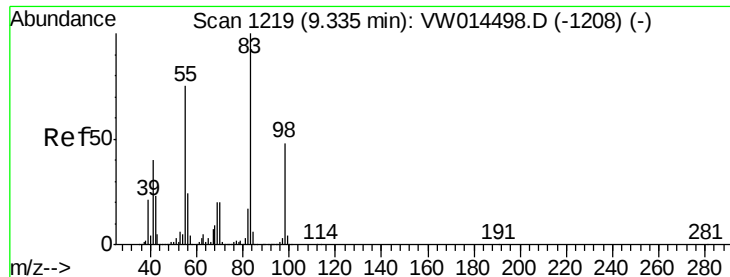
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#38
Carbon Tetrachloride
Concen: 50.736 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.0	115.6
121	29.8	24.6	36.8





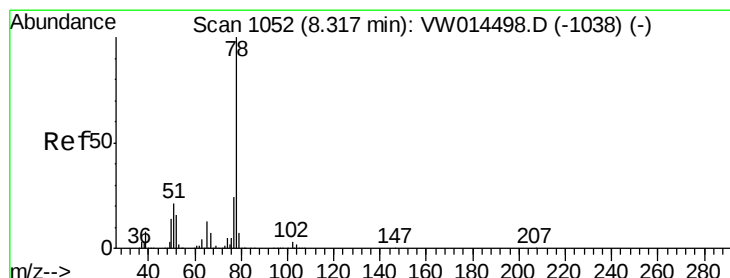
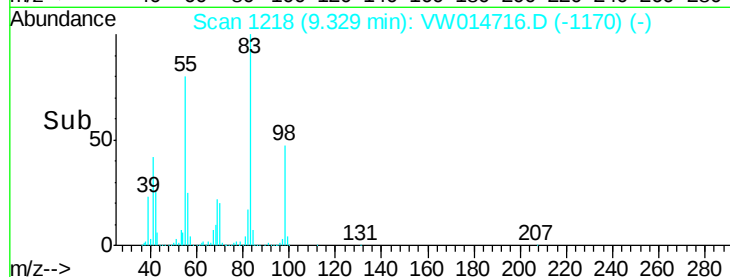
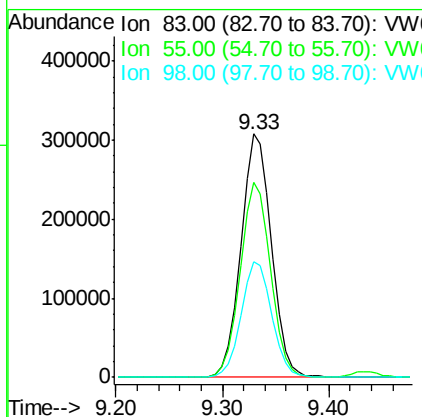
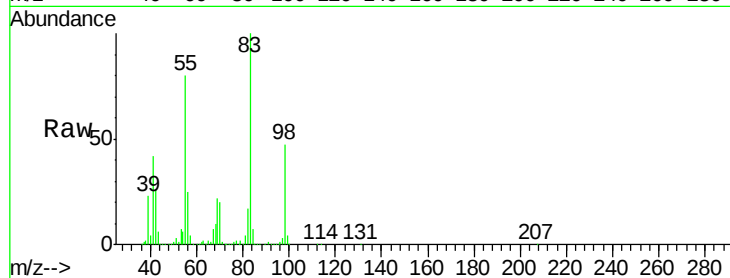
#39
Methvlcvclohexane
Concen: 48.687 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	60.1	90.1
98	47.5	38.8	58.2

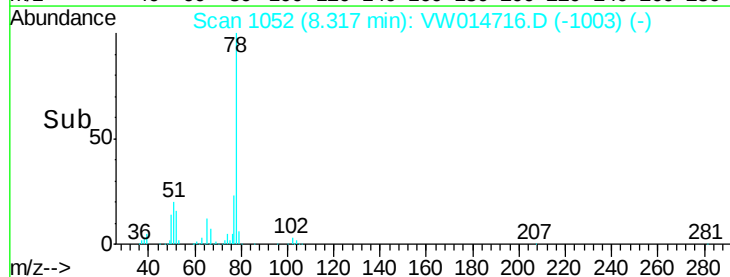
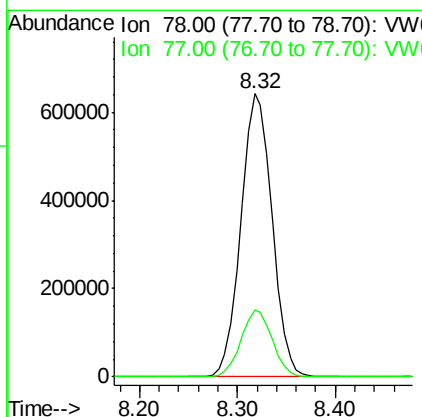
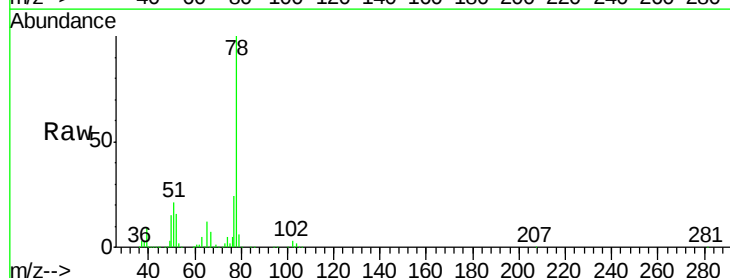
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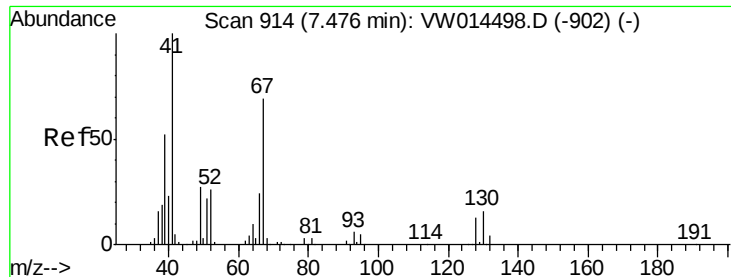
MMDadoda
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#40
Benzene
Concen: 50.570 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9





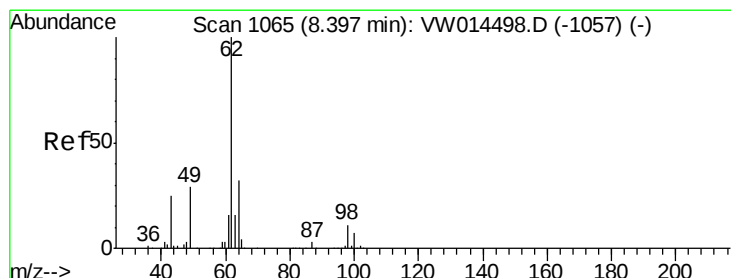
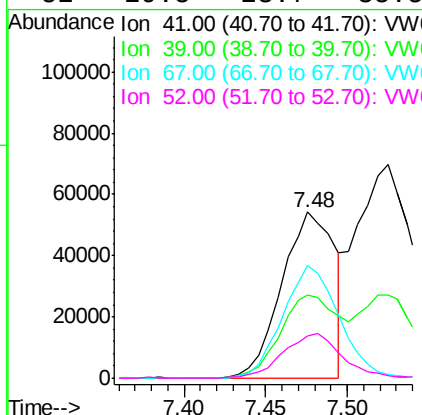
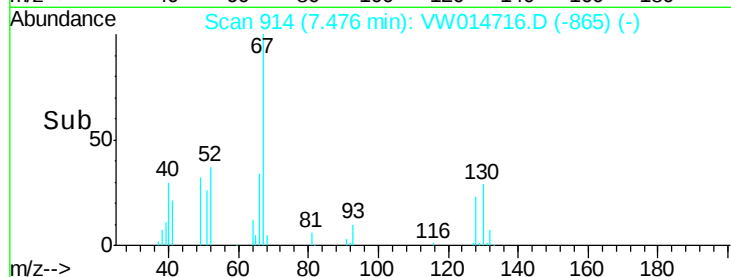
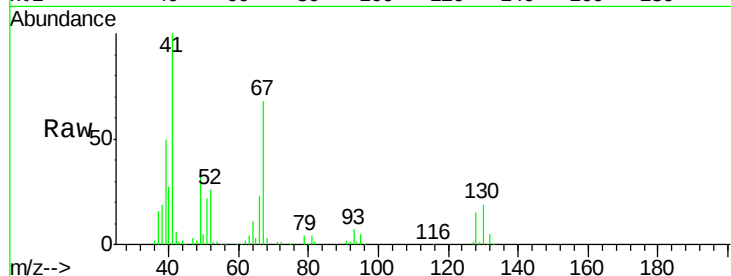
#41
Methacrylonitrile
Concen: 48.747 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	121999
Ion	Ratio	Lower	Upper
41	100		
39	56.5	46.0	69.0
67	73.4	60.8	91.2
52	29.5	23.7	35.5

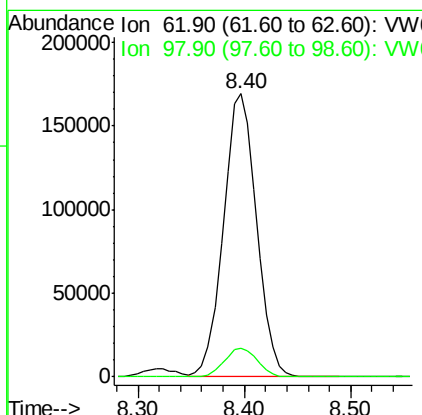
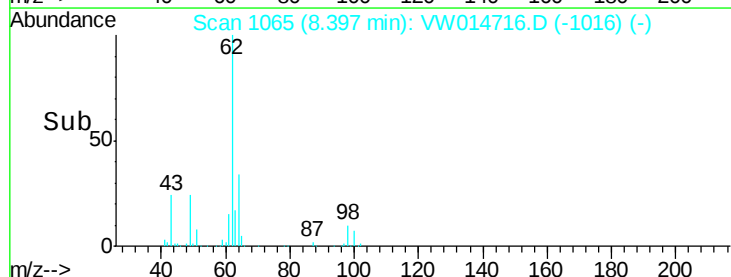
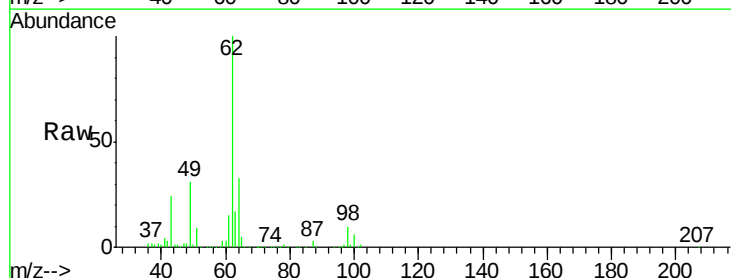
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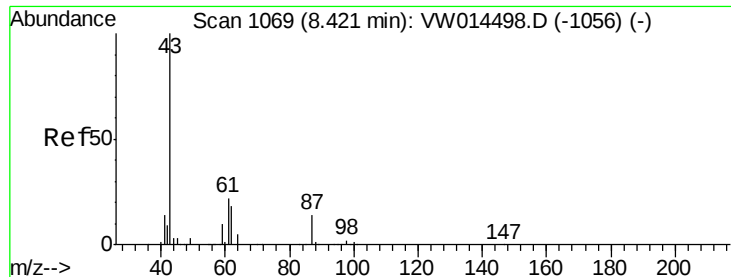
MMDadoda
1/23/2020 2:33:11 PM



#42
1,2-Dichloroethane
Concen: 50.484 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	62	Resp	366945
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	22.0





#43

Isopropyl Acetate

Concen: 49.867 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

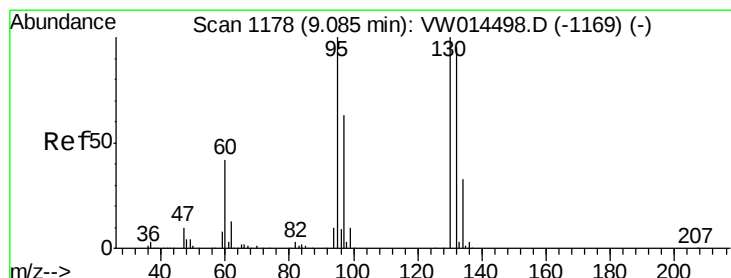
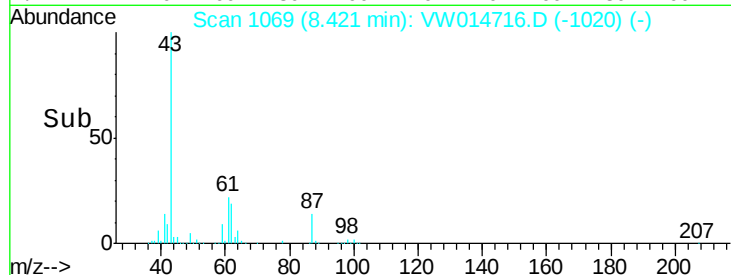
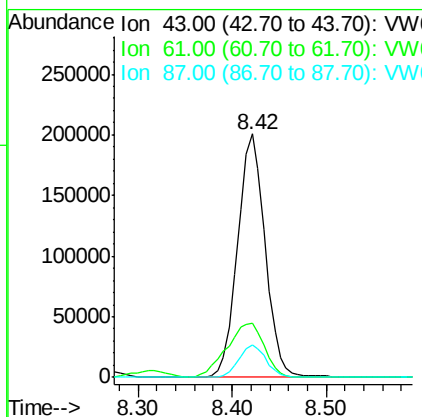
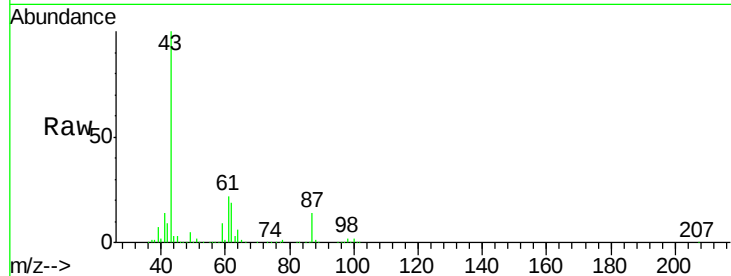
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	406551
Ion	Ratio	Lower	Upper
43	100		
61	30.7	24.7	37.1
87	13.3	11.1	16.7

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#44

Trichloroethene

Concen: 48.555 ug/l

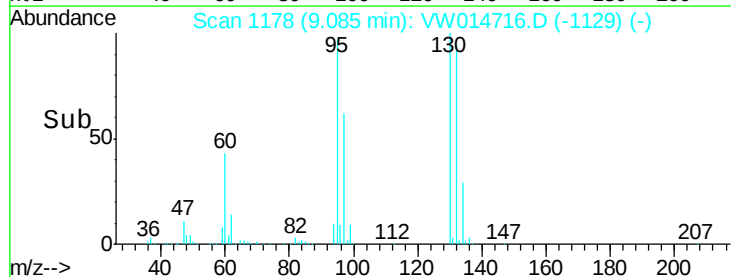
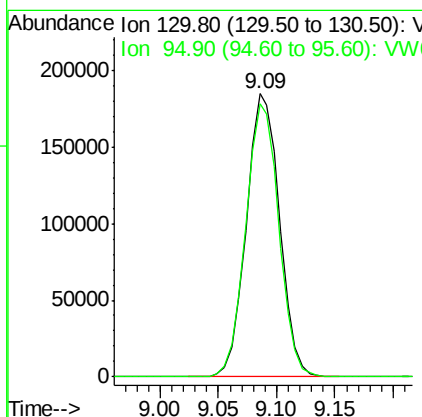
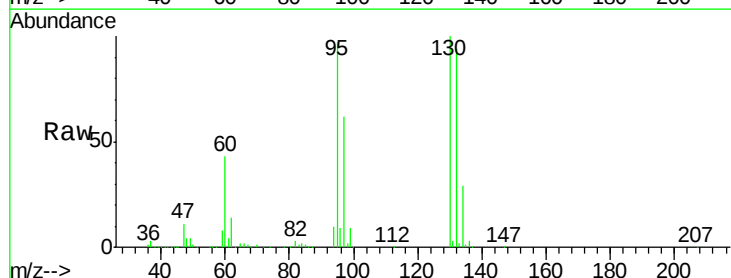
RT: 9.09 min Scan# 1178

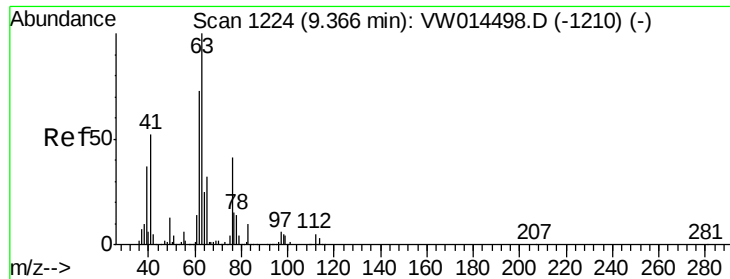
Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Tgt Ion:	130	Resp:	367993
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	199.4





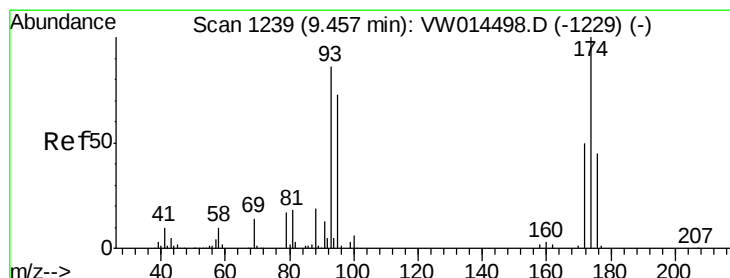
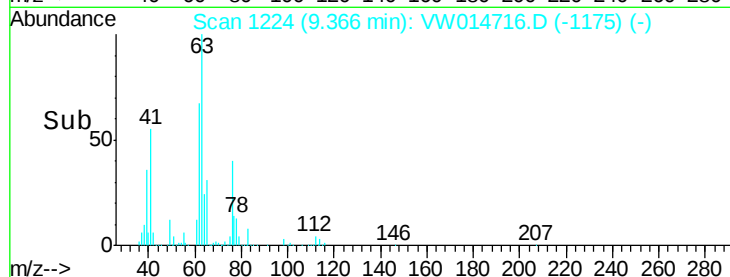
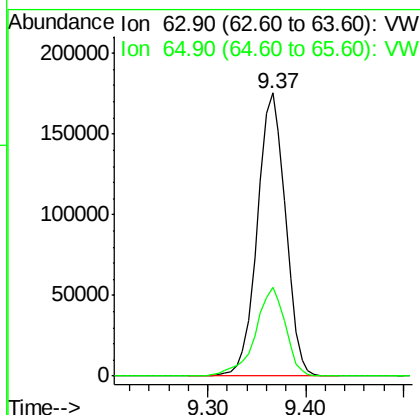
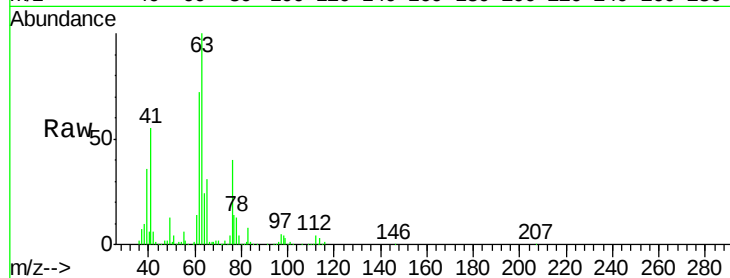
#45
 1,2-Dichloropropane
 Concen: 51.018 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.6	38.4

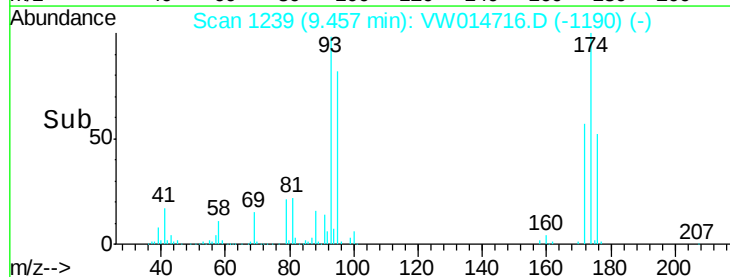
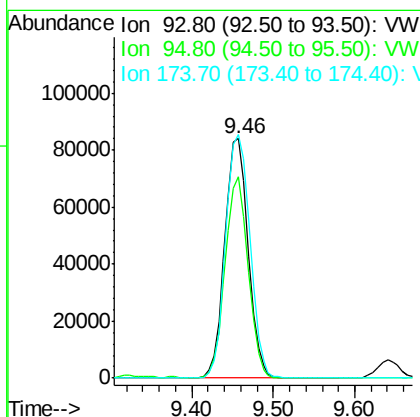
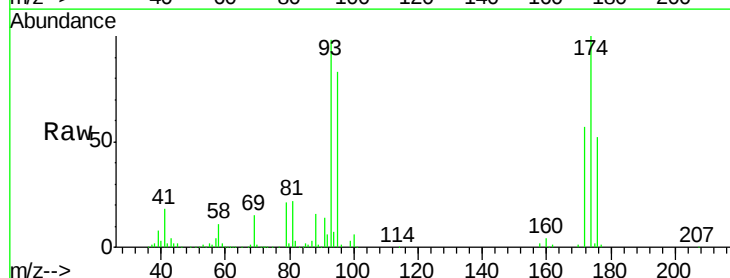
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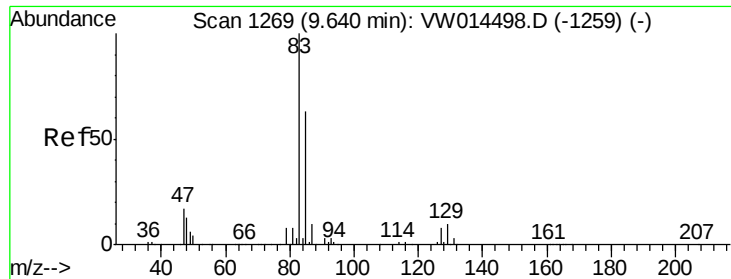
MMDadoda
 1/23/2020 2:33:11 PM



#46
 Dibromomethane
 Concen: 49.195 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.4	99.6
174	105.3	89.1	133.7





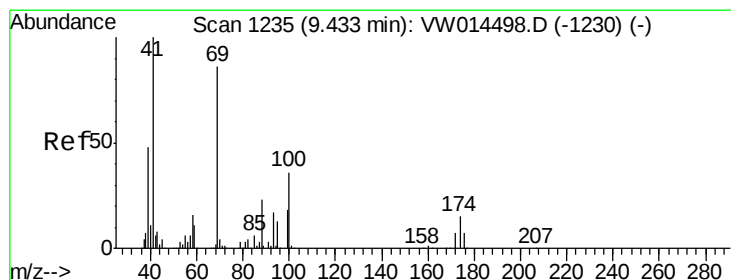
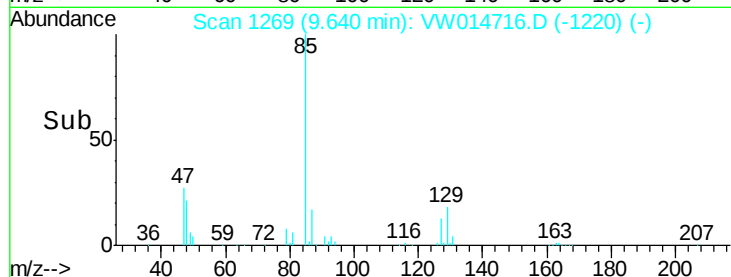
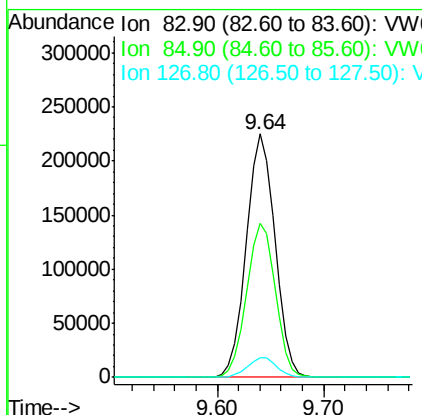
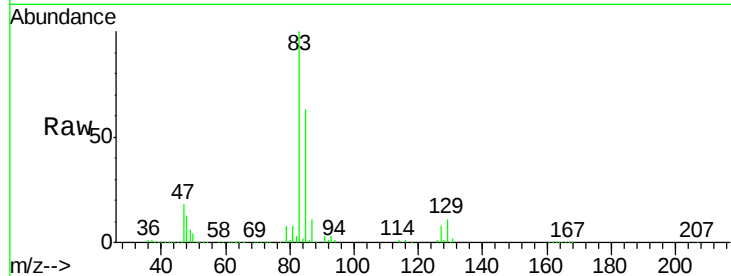
#47
Bromodichloromethane
Concen: 50.982 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	76.0
127	8.2	6.6	9.8

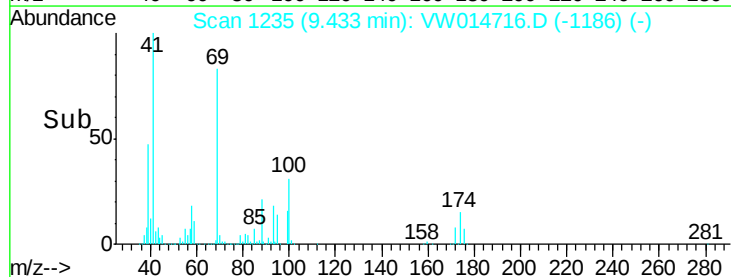
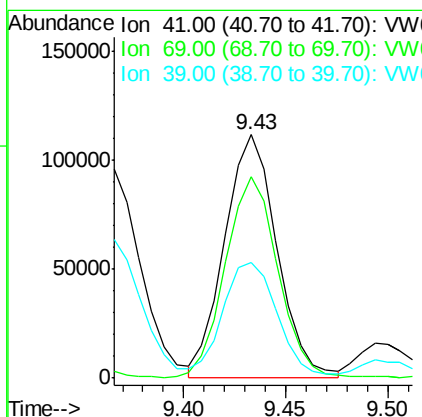
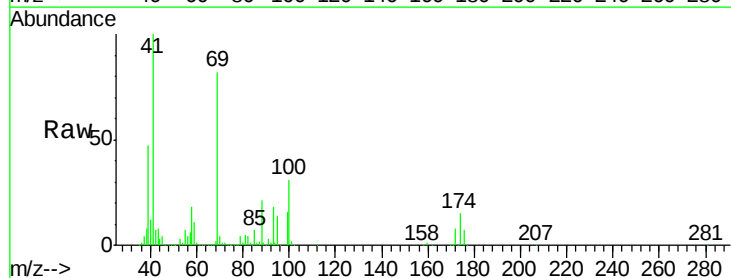
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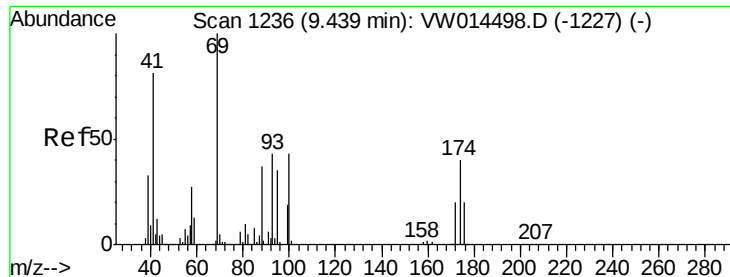
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#48
Methyl methacrylate
Concen: 49.886 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.8	68.3	102.5
39	46.0	36.8	55.2





#49

1,4-Dioxane

Concen: 950.960 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 60349

Ion Ratio Lower Upper

88 100

43 30.7 24.9 37.3

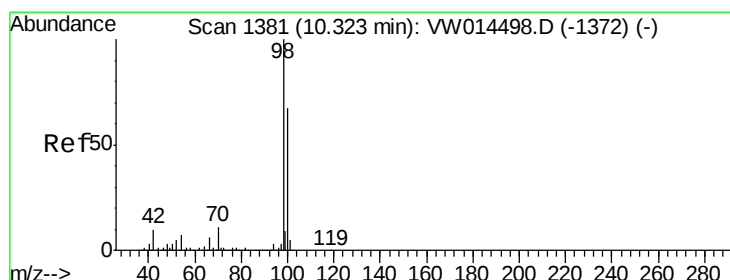
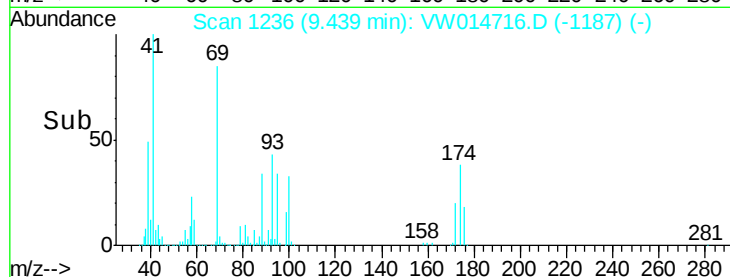
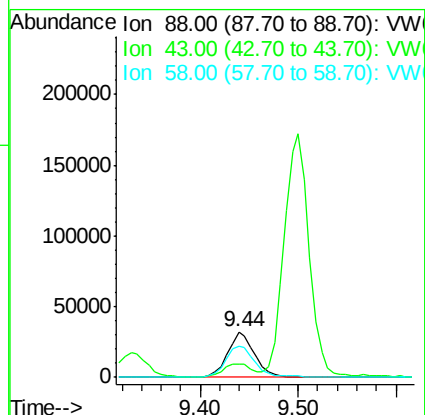
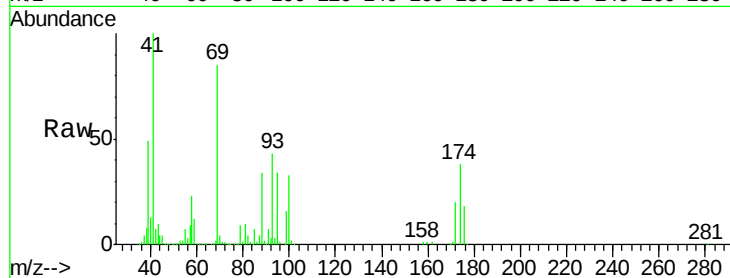
58 73.0 56.9 85.3

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#50

Toluene-d8

Concen: 51.601 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014716.D

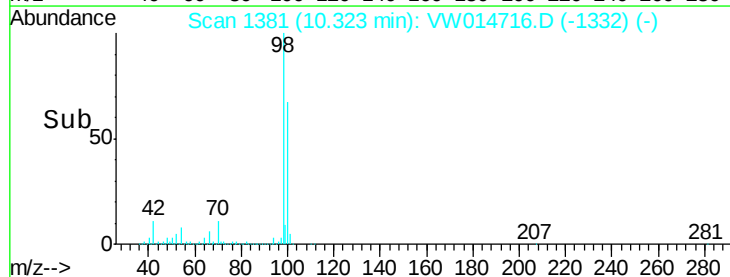
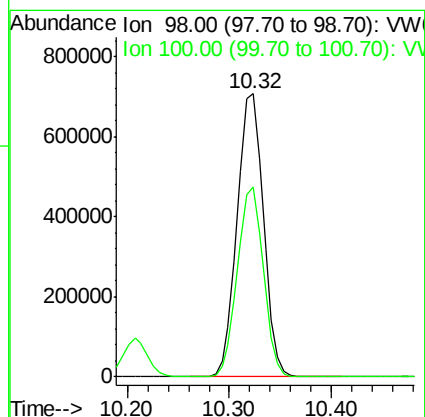
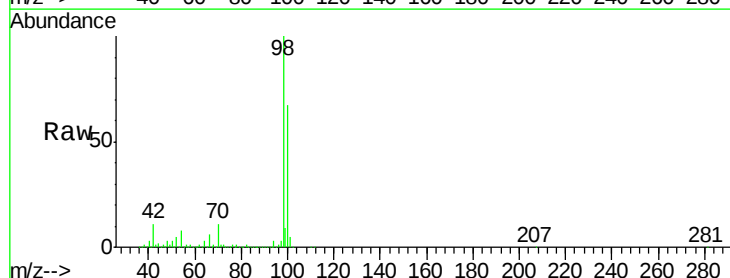
Acq: 22 Jan 2020 16:37

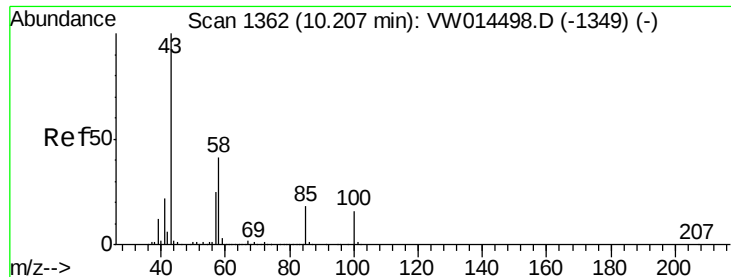
Tgt Ion: 98 Resp: 1263769

Ion Ratio Lower Upper

98 100

100 66.3 53.8 80.6





#51

4-Methyl-2-Pentanone

Concen: 248.900 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1053773

Ion Ratio Lower Upper

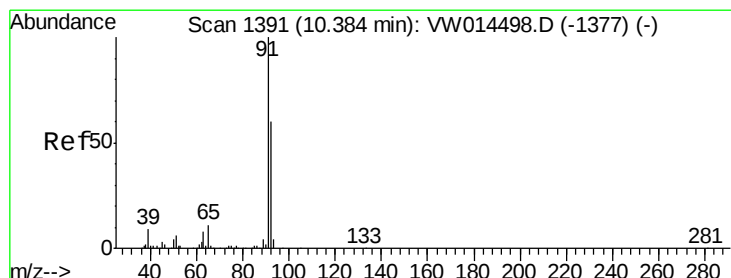
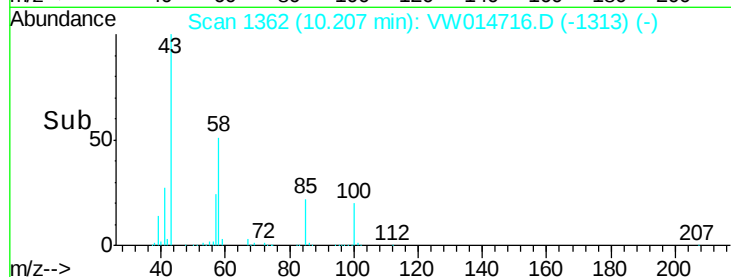
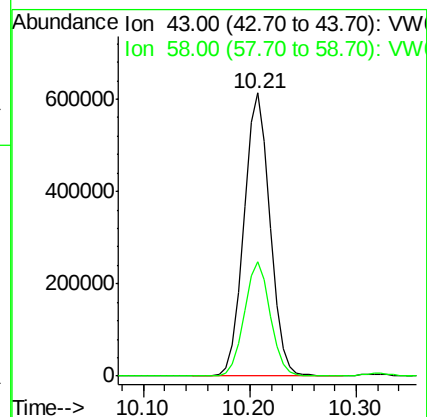
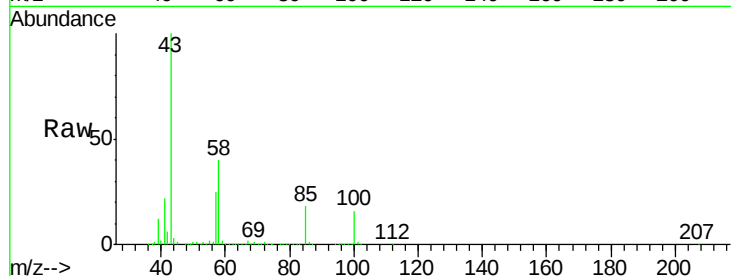
43 100

58 40.2 32.7 49.1

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#52

Toluene

Concen: 49.752 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014716.D

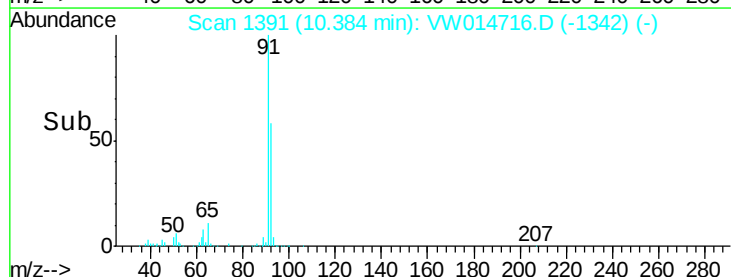
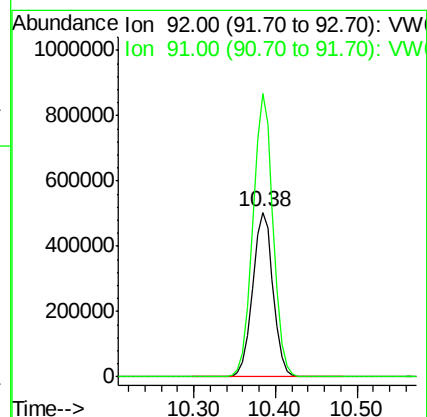
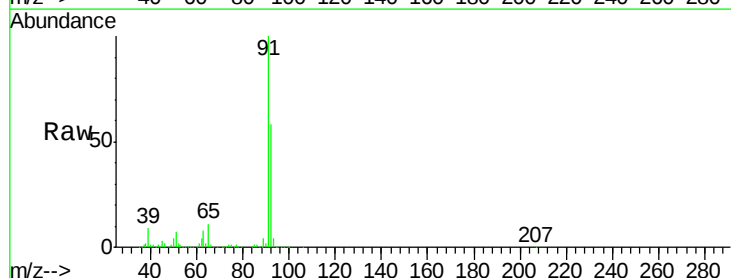
Acq: 22 Jan 2020 16:37

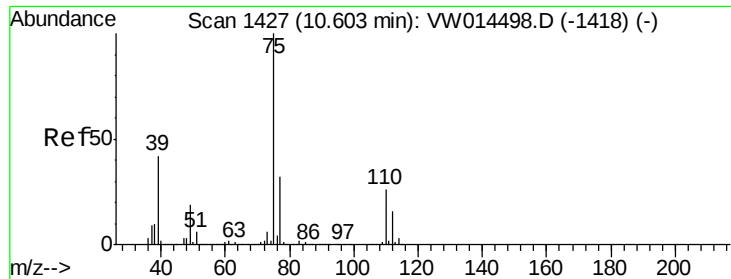
Tgt Ion: 92 Resp: 876651

Ion Ratio Lower Upper

92 100

91 170.6 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 49.583 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 430049

Ion Ratio Lower Upper

75 100

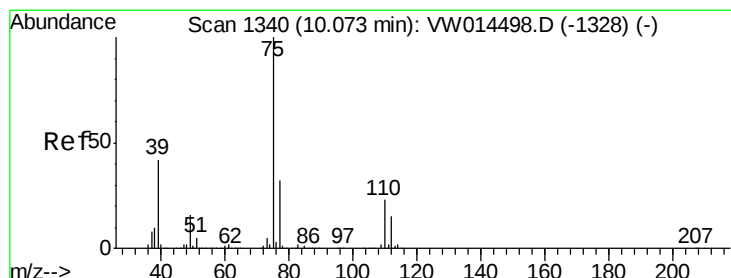
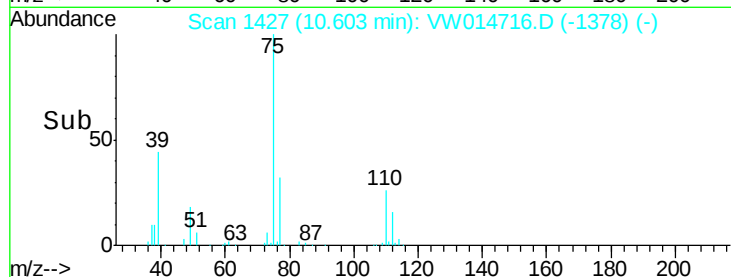
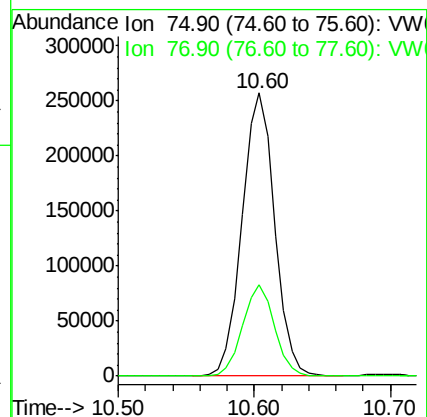
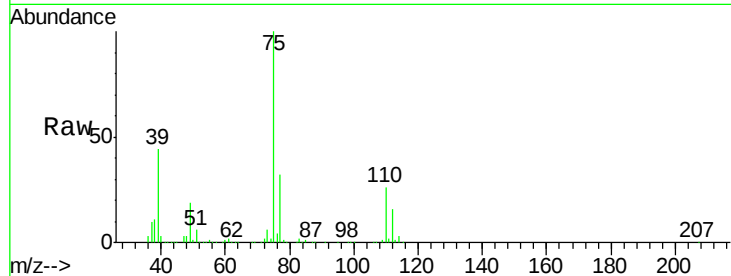
77 32.1 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 50.249 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

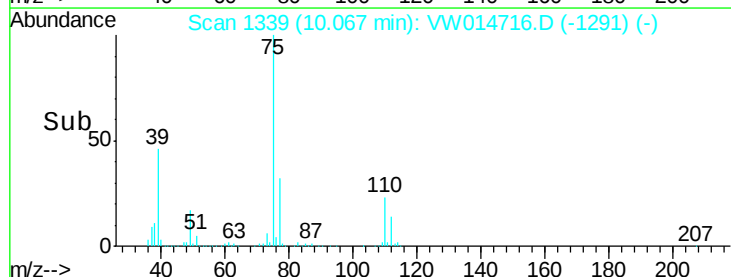
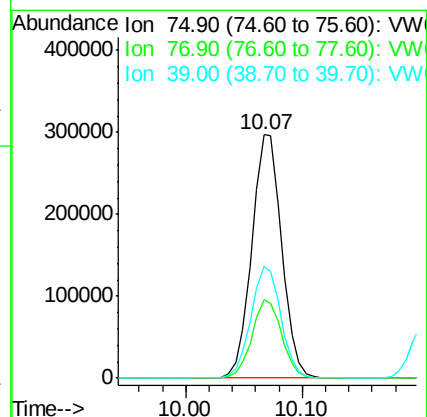
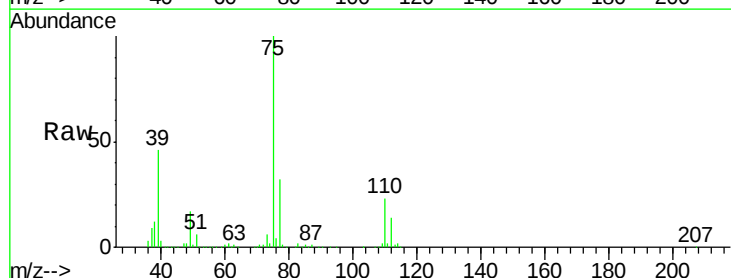
Tgt Ion: 75 Resp: 532655

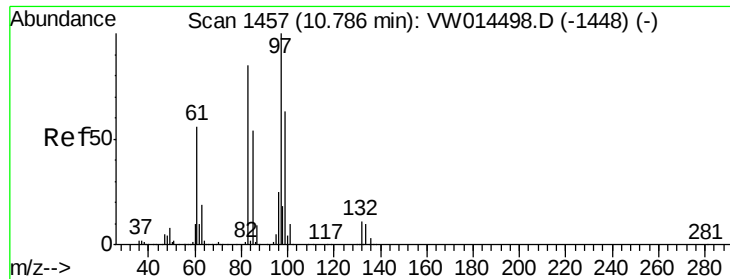
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 46.0 33.4 50.2





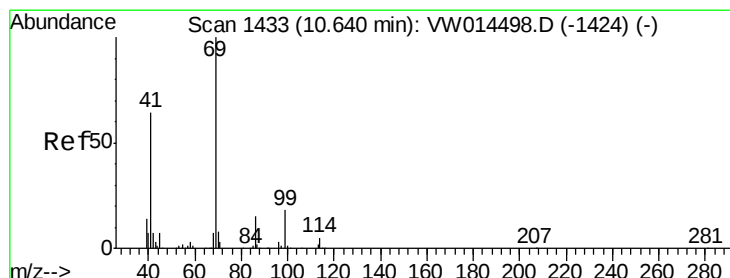
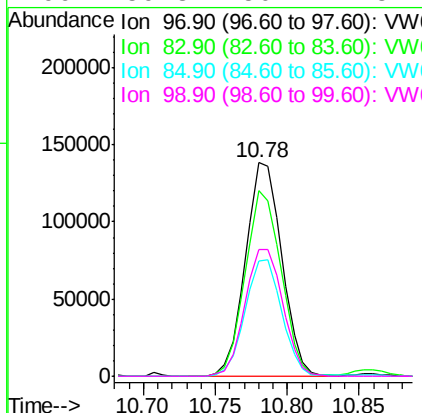
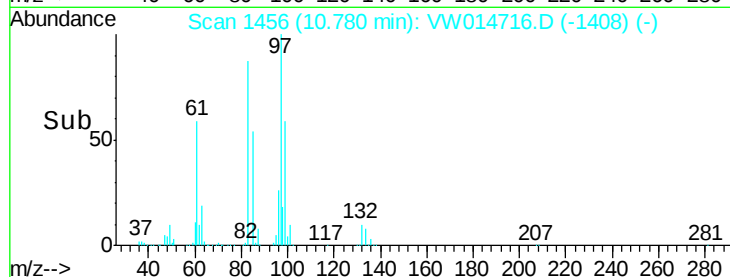
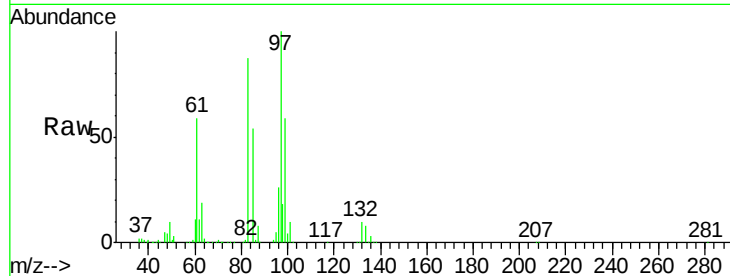
#55
 1,1,2-Trichloroethane
 Concen: 48.712 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		241388		
83	86.8	68.2	102.4		
85	53.8	43.0	64.4		
99	59.3	50.1	75.1		

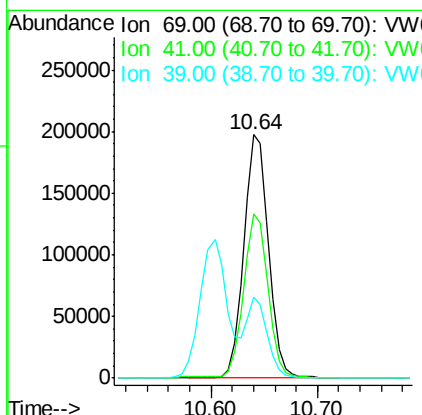
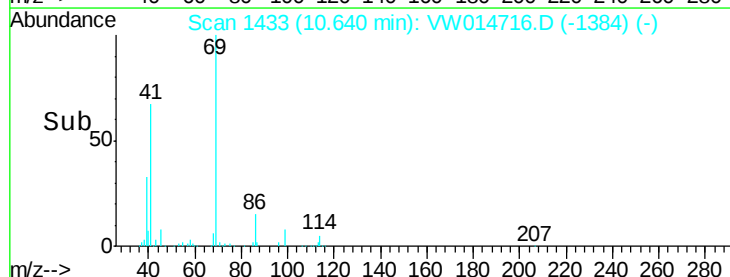
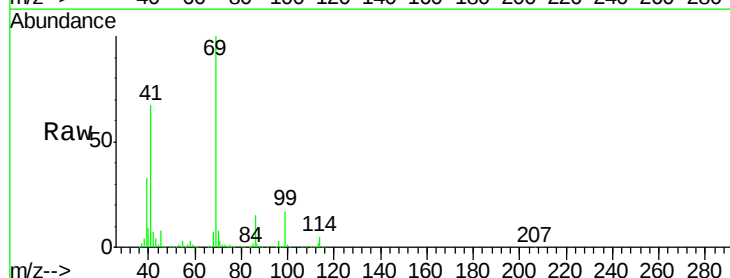
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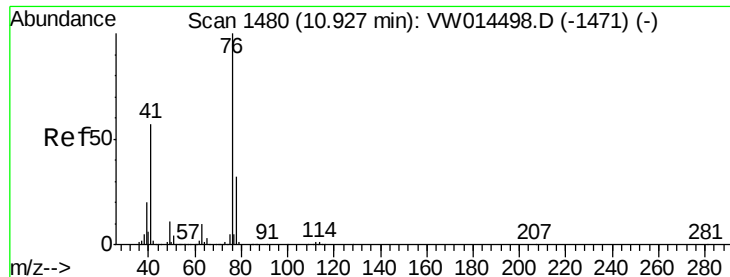
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#56
 Ethyl methacrylate
 Concen: 49.767 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		320501		
41	66.8	51.3	76.9		
39	27.4	21.0	31.6		





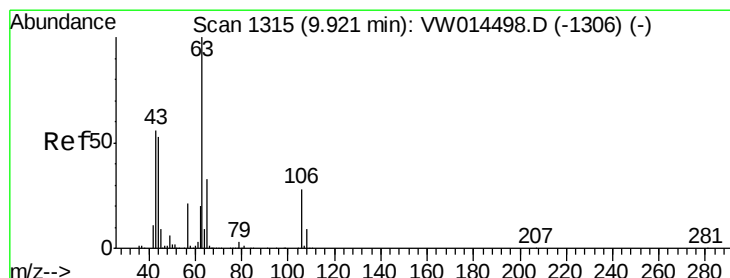
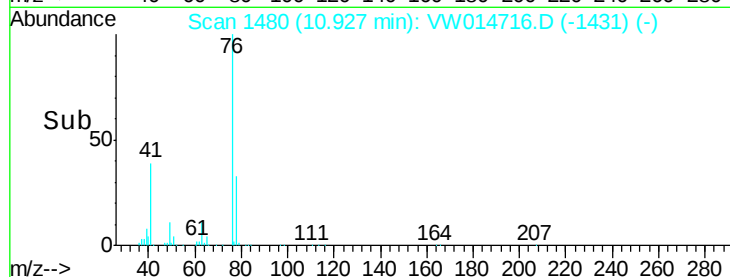
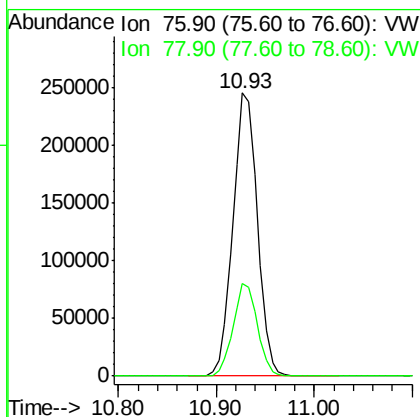
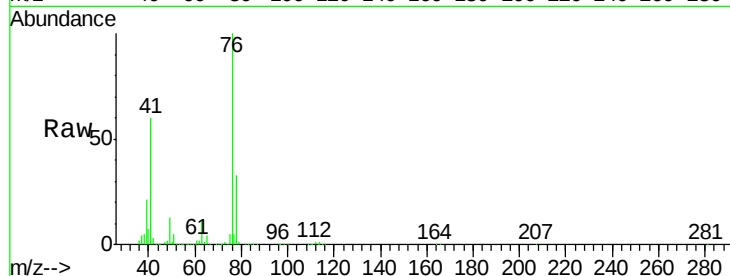
#57
 1,3-Dichloropropane
 Concen: 48.760 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 424665
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9

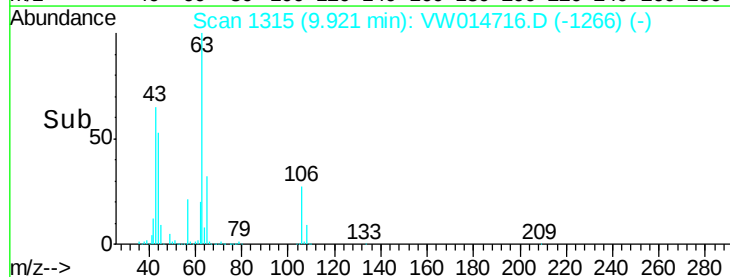
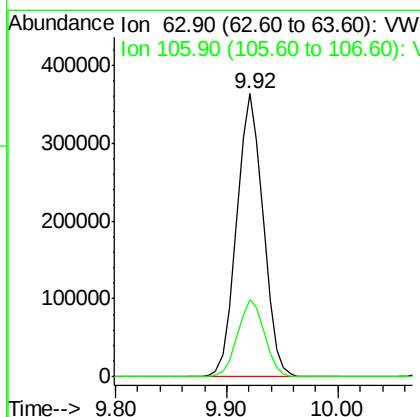
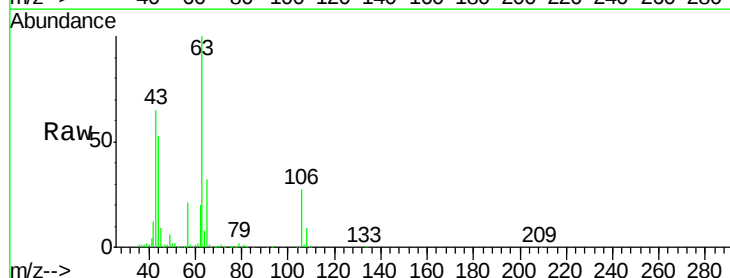
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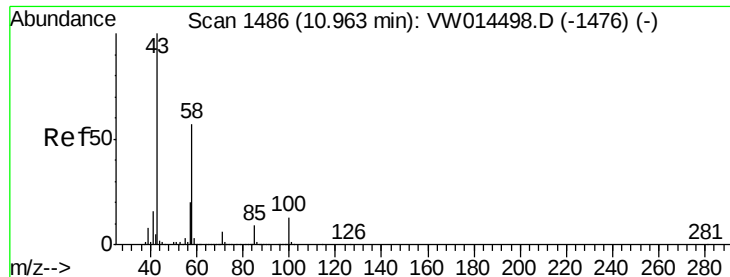
MMDadoda
 1/23/2020 2:33:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 305.488 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion: 63 Resp: 598339
 Ion Ratio Lower Upper
 63 100
 106 27.6 23.0 34.6





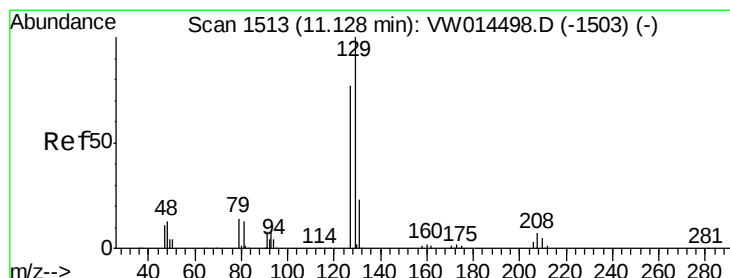
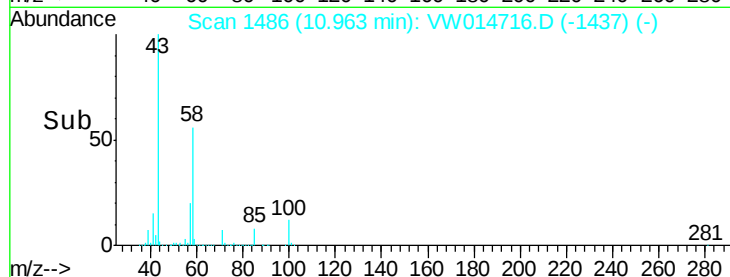
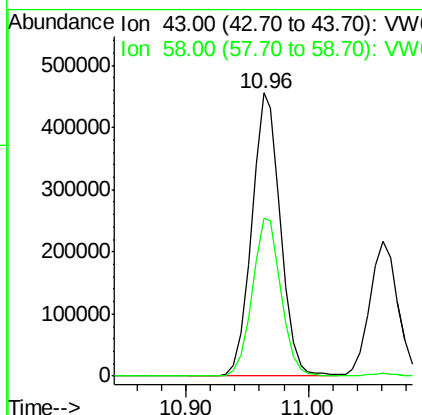
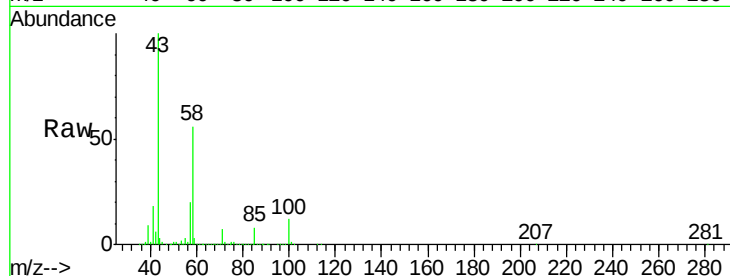
#59
2-Hexanone
Concen: 254.077 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 741247
Ion Ratio Lower Upper
43 100
58 56.1 28.7 86.3

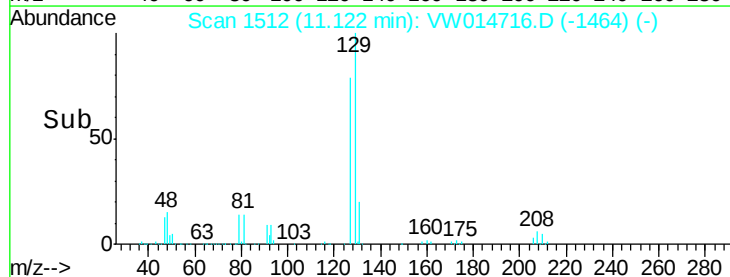
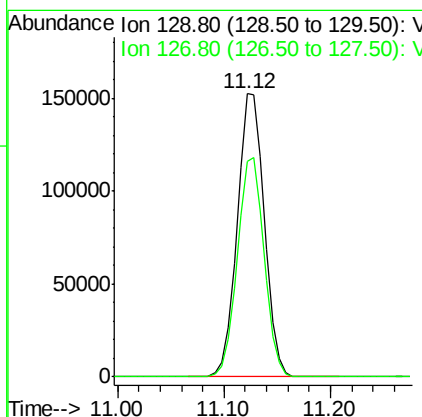
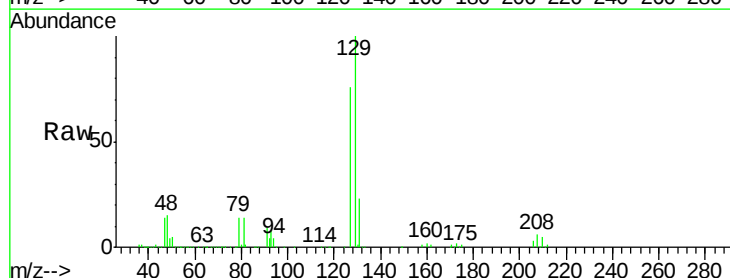
Manual Integrations
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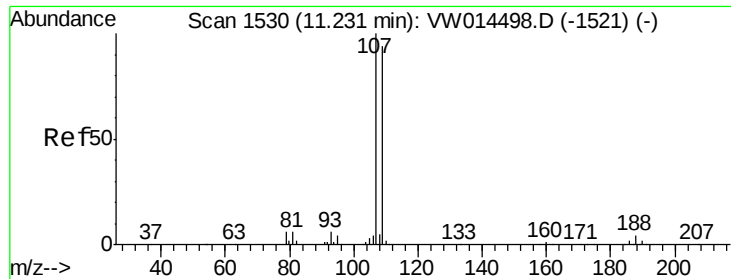
MMDadoda
1/23/2020 2:33:11 PM



#60
Dibromochloromethane
Concen: 48.775 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion: 129 Resp: 272709
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.5





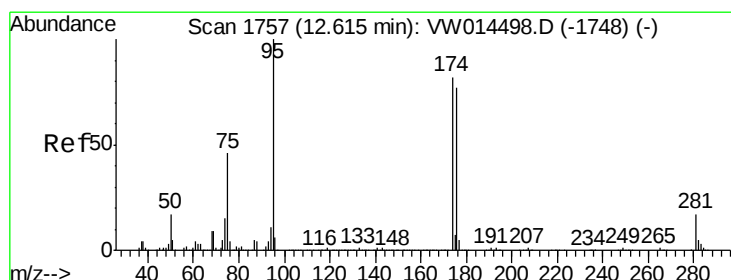
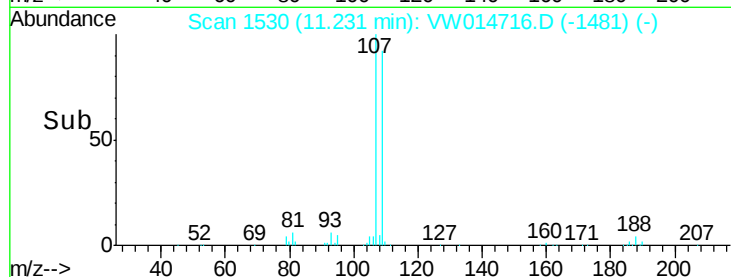
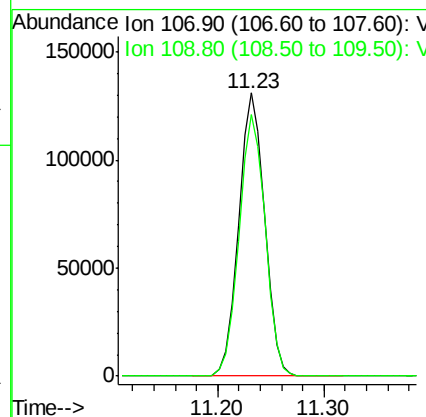
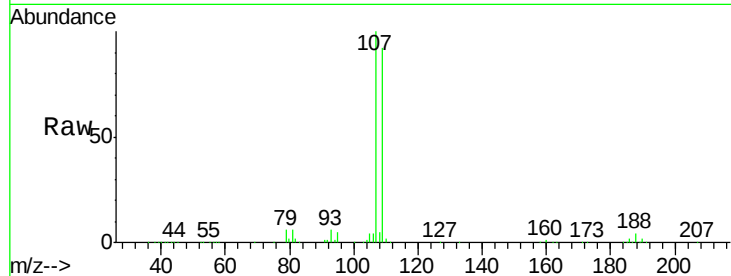
#61
 1,2-Dibromoethane
 Concen: 47.722 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.1	112.7

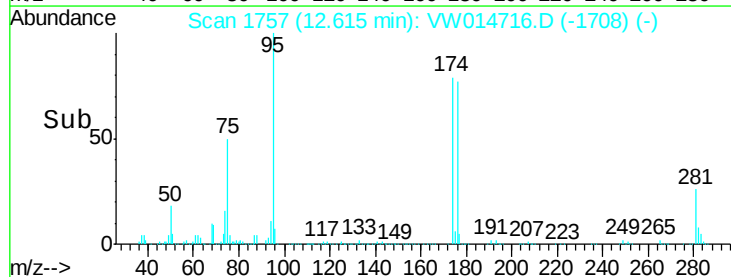
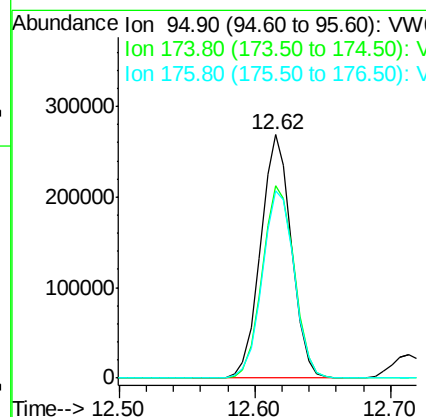
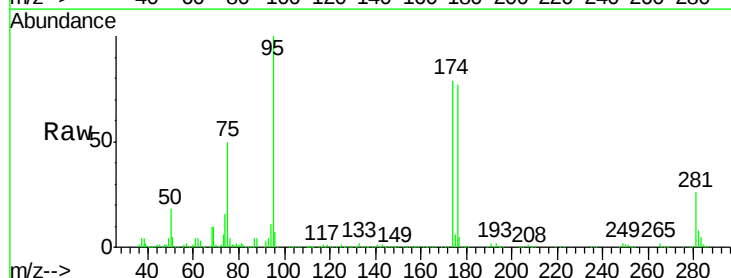
Manual Integrations
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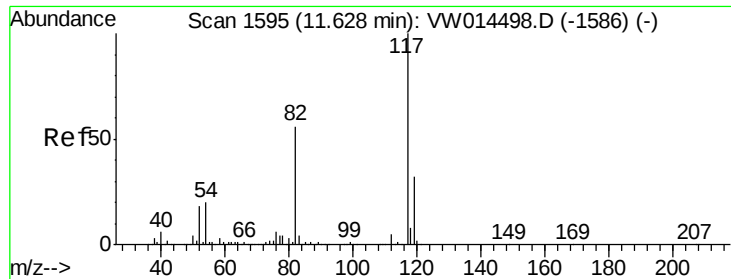
MMDadoda
 1/23/2020 2:33:11 PM



#62
 4-Bromofluorobenzene
 Concen: 51.220 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	168.6
176	80.3	0.0	162.0





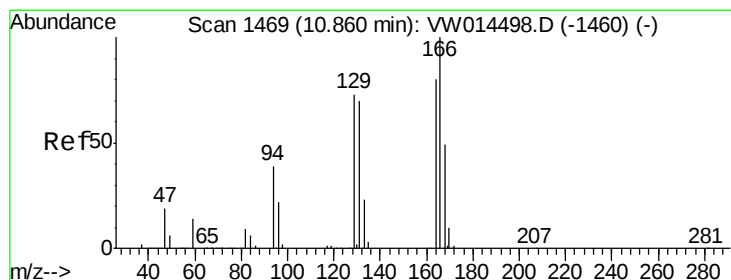
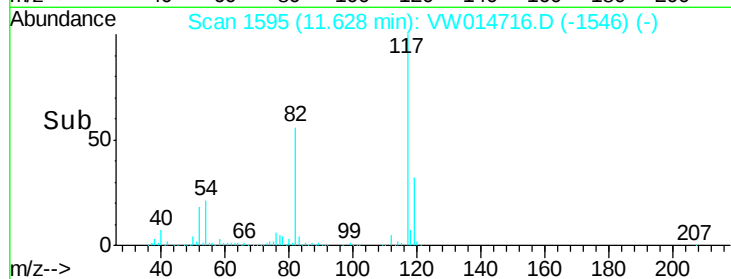
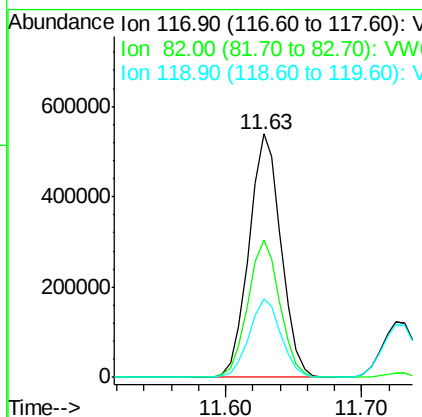
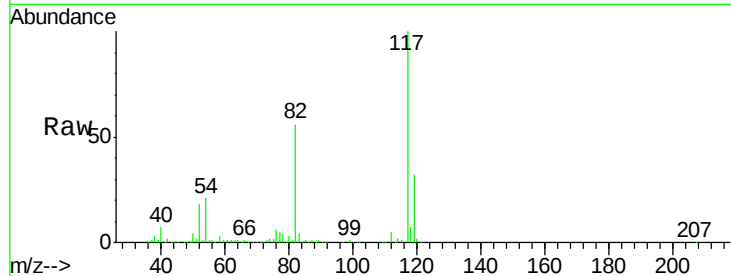
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	890512		
82	56.3		44.6	67.0
119	32.4		25.7	38.5

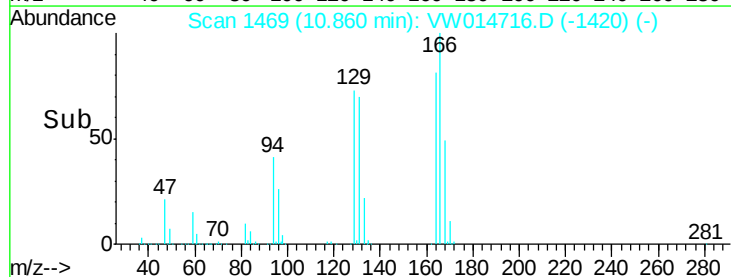
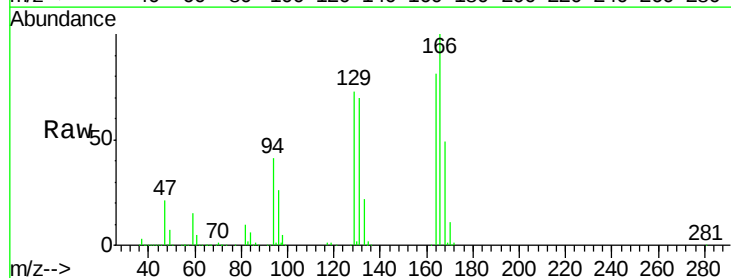
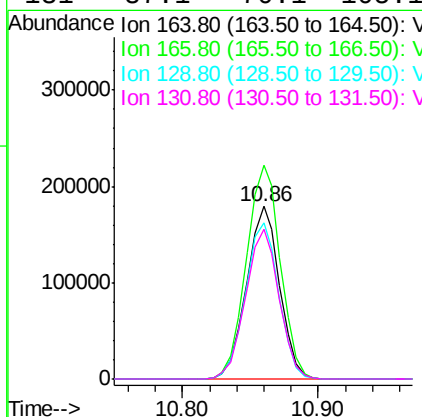
Manual Integrations
APPROVED

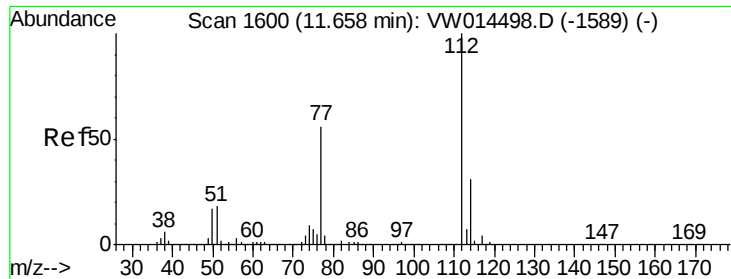
MMDadoda
1/23/2020 2:33:11 PM



#64
Tetrachloroethene
Concen: 47.308 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	304995		
166	123.8		99.8	149.6
129	90.2		72.4	108.6
131	87.1		70.1	105.1





#65

Chlorobenzene

Concen: 49.134 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 896391

Ion Ratio Lower Upper

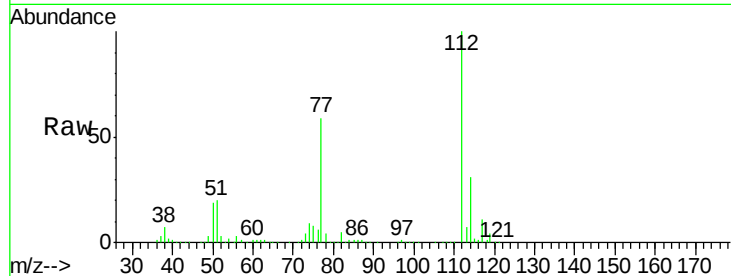
112 100

114 31.5 24.6 37.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.65

600000

500000

400000

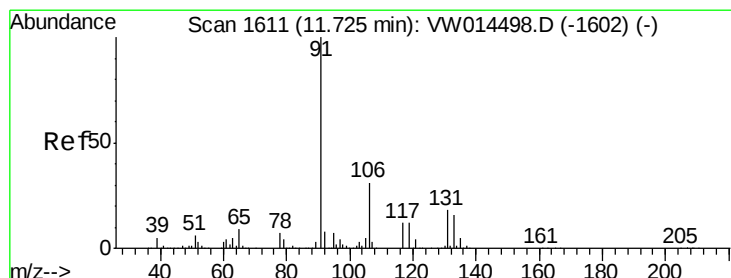
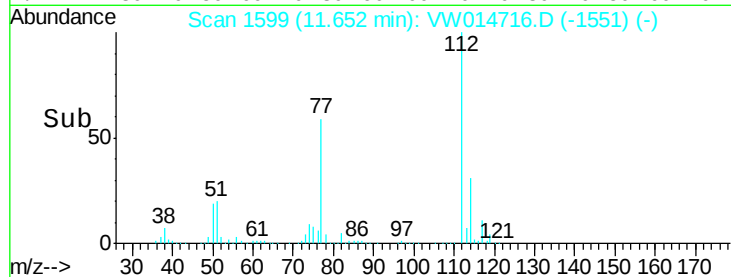
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.138 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

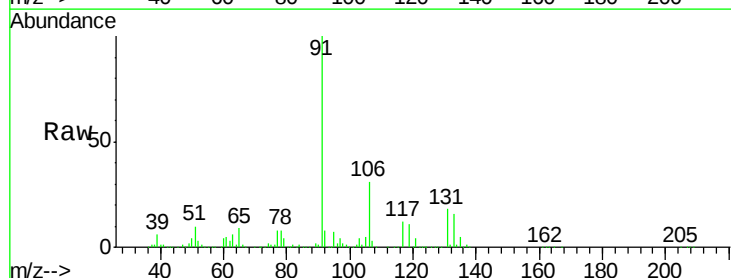
Tgt Ion:131 Resp: 307981

Ion Ratio Lower Upper

131 100

133 93.3 47.3 142.0

119 65.5 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

250000

200000

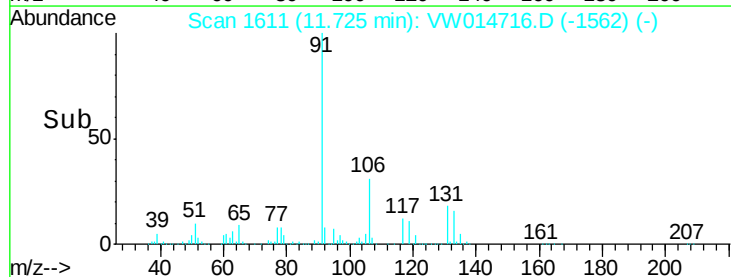
150000

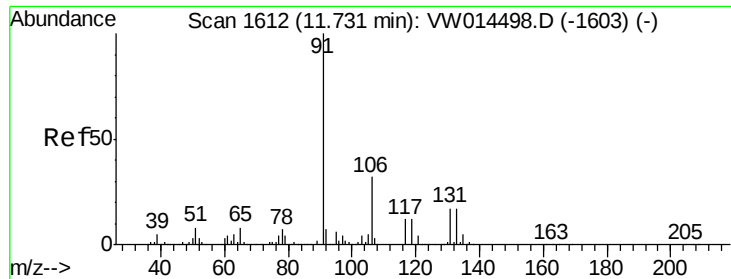
100000

50000

0

Time-->





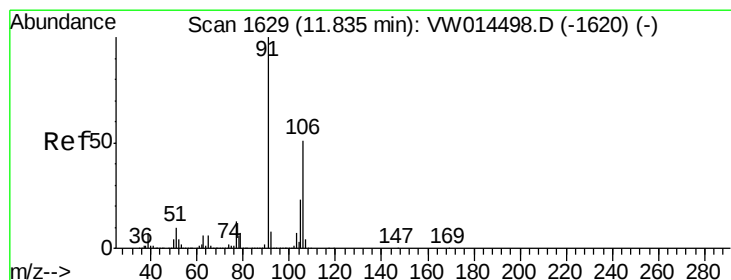
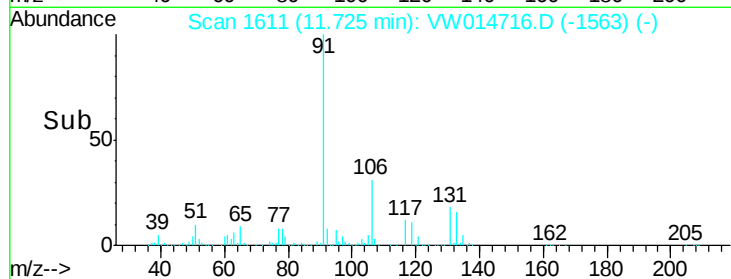
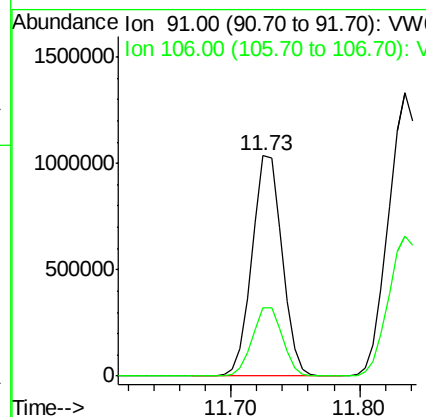
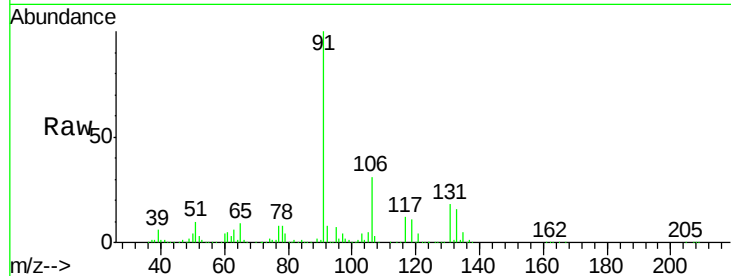
#67
Ethyl Benzene
Concen: 50.588 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1663253
Ion Ratio Lower Upper
91 100
106 31.3 25.5 38.3

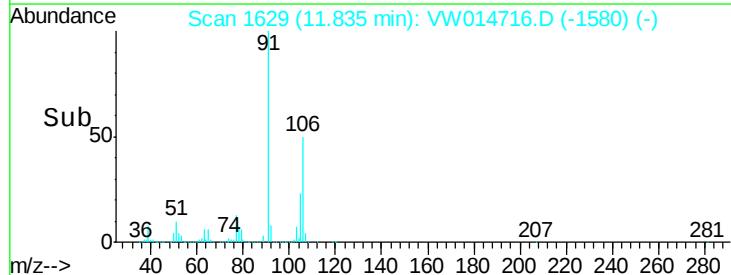
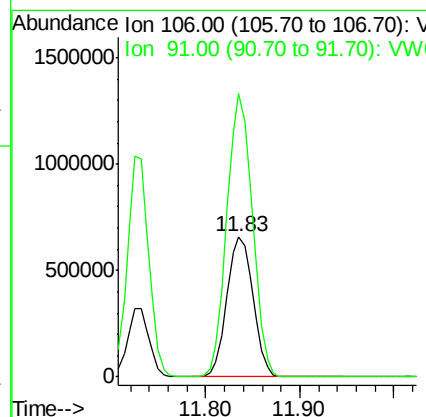
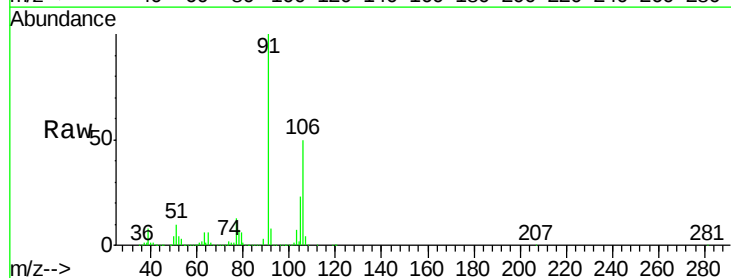
Manual Integrations
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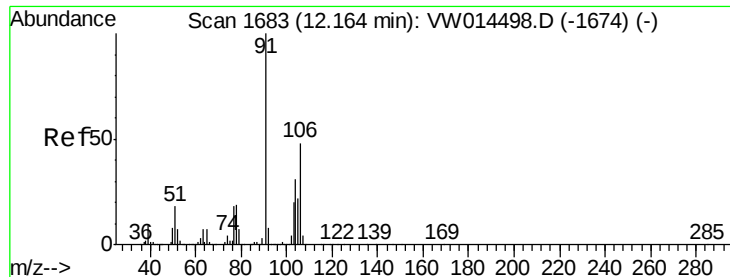
MMDadoda
1/23/2020 2:33:11 PM



#68
m/p-Xylenes
Concen: 100.808 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion: 106 Resp: 1268497
Ion Ratio Lower Upper
106 100
91 197.6 159.0 238.6





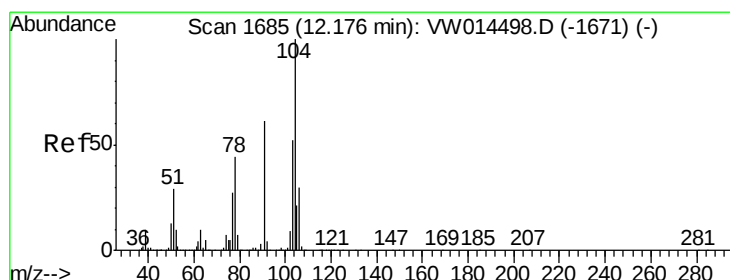
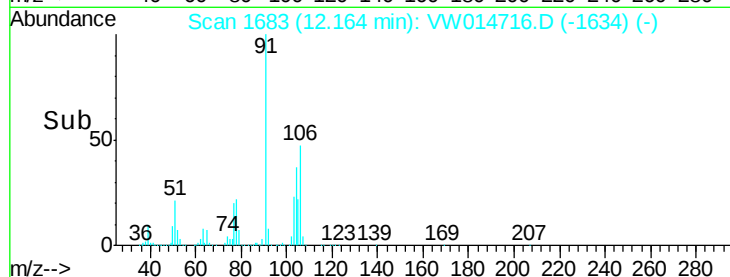
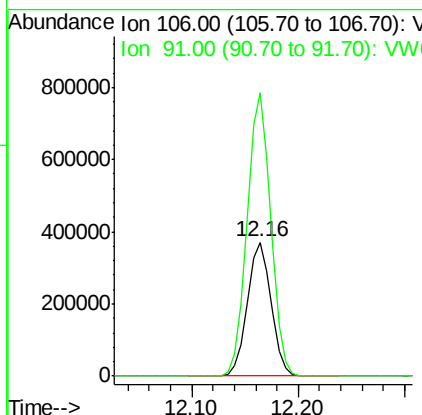
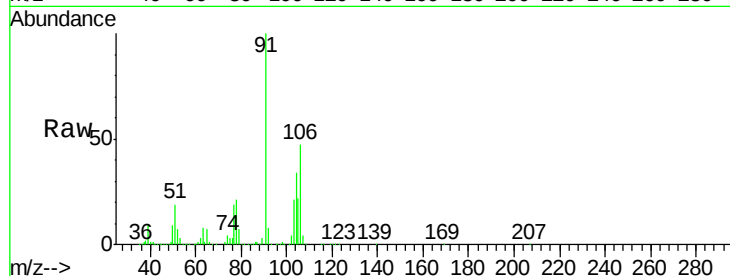
#69
o-Xylene
Concen: 50.004 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
581210	106	100		
	91	210.8	105.2	315.6

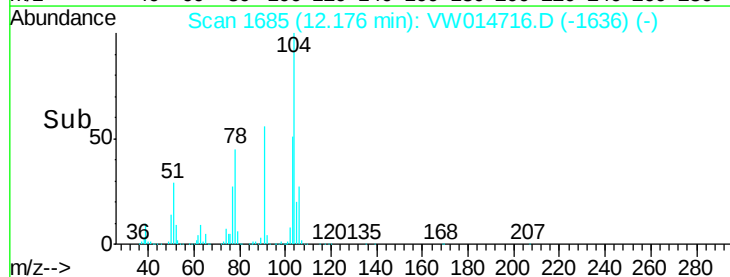
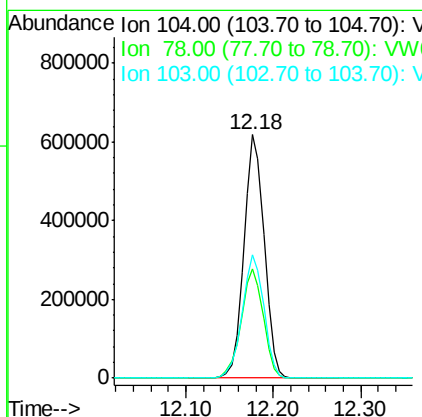
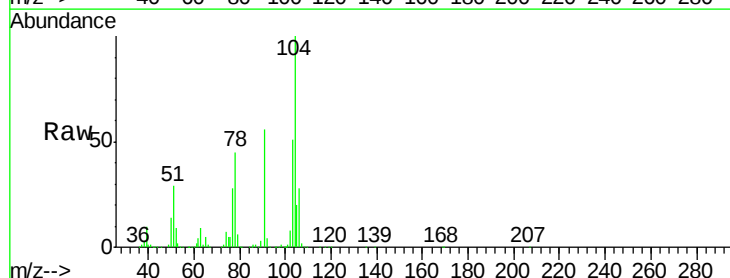
Manual Integrations
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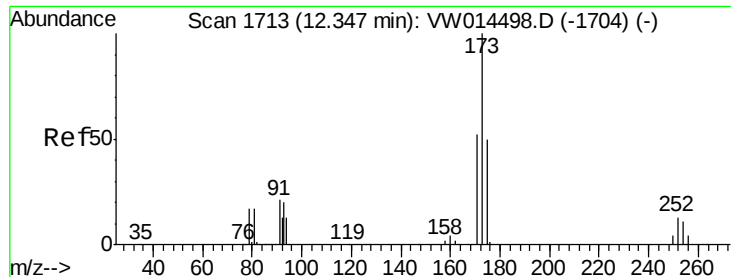
MMDadoda
1/23/2020 2:33:11 PM



#70
Styrene
Concen: 50.527 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ion	Ratio	Lower	Upper
993351	104	100		
	78	48.9	38.4	57.6
	103	54.2	43.7	65.5





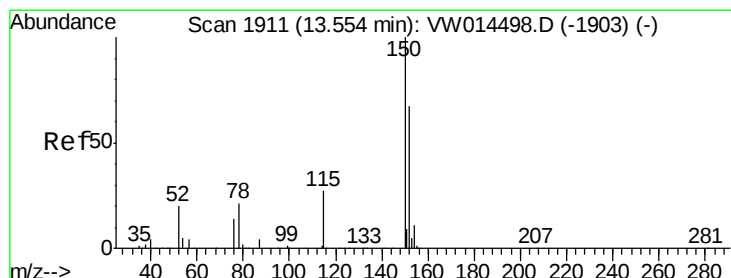
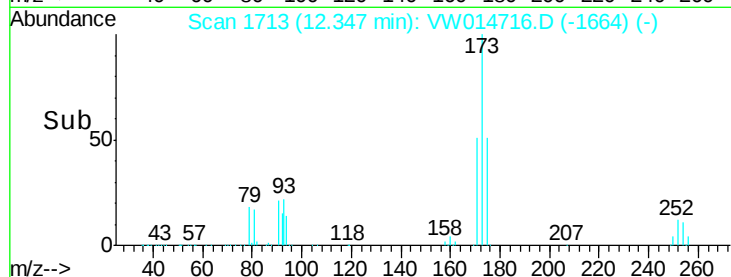
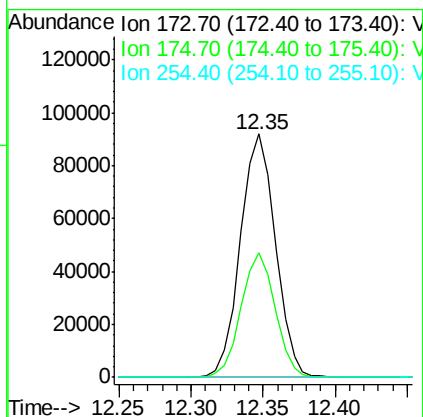
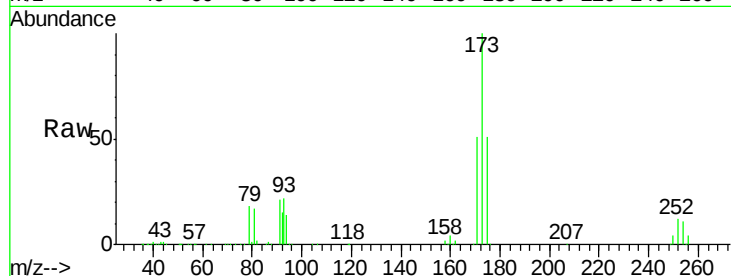
#71
Bromoform
Concen: 46.382 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.5	73.5
254	0.2	0.0	0.0#

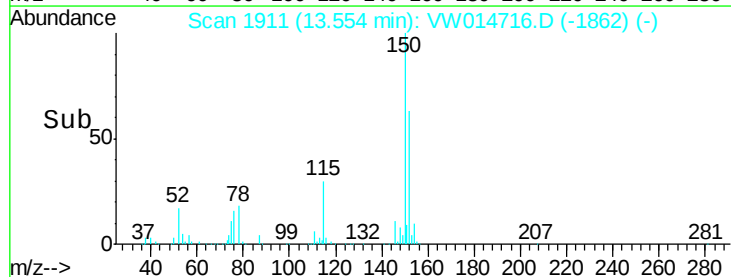
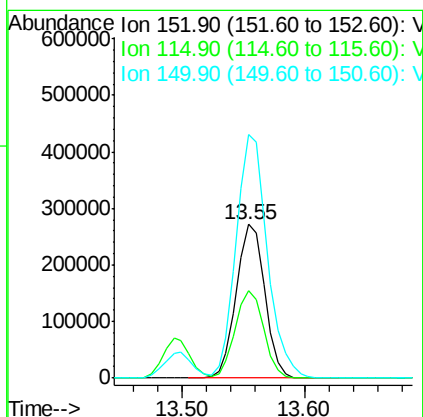
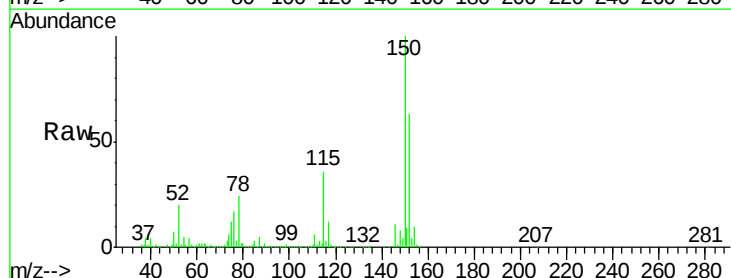
Manual Integrations
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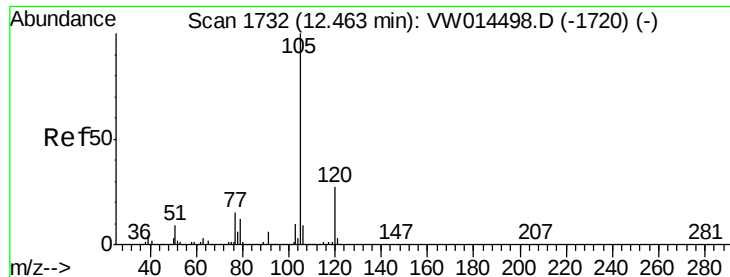
MMDadoda
1/23/2020 2:33:11 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	27.7	83.1
150	173.1	0.0	343.4





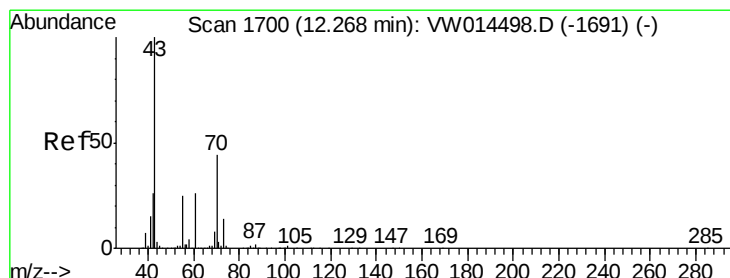
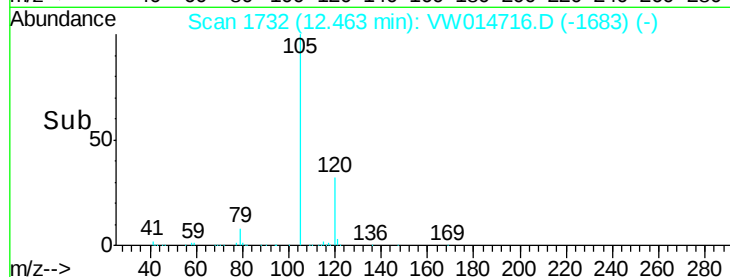
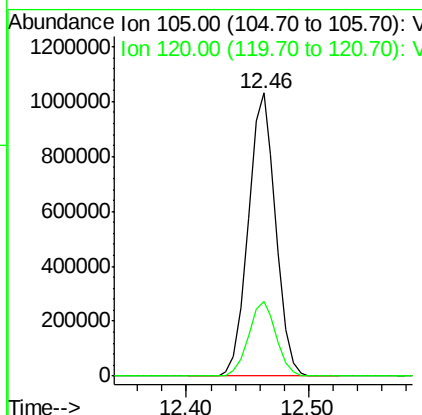
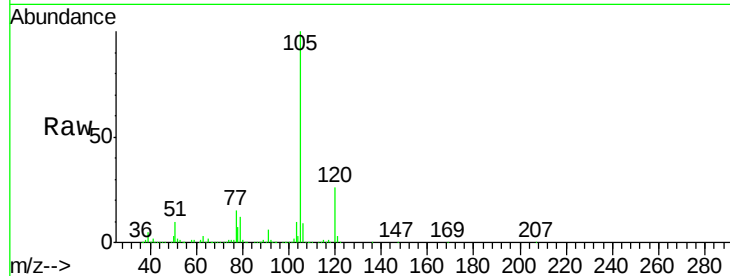
#73
Isopropylbenzene
Concen: 49.798 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1598438
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.1

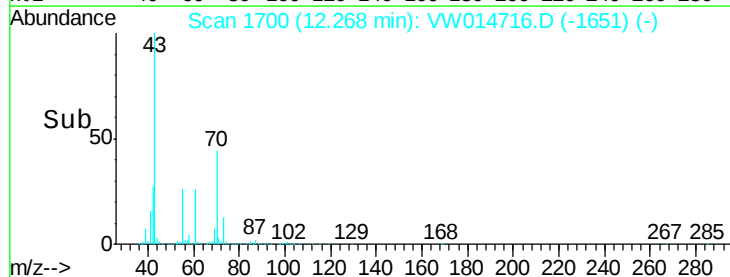
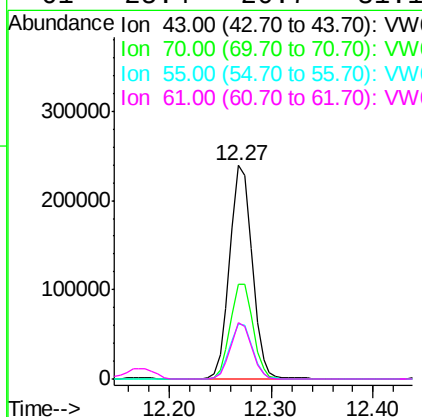
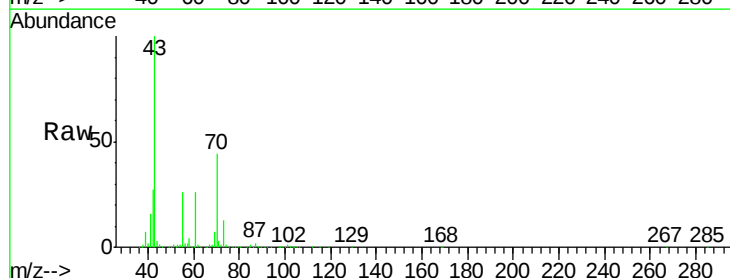
Manual Integrations
APPROVED

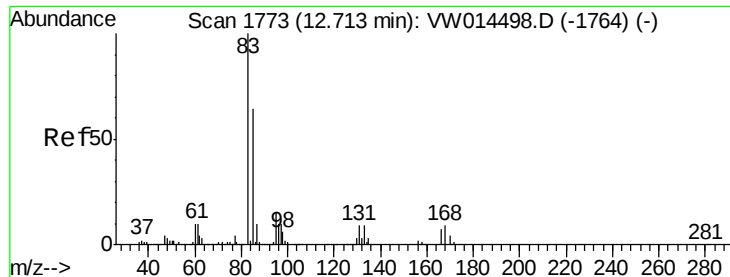
MMDadoda
1/23/2020 2:33:11 PM



#74
N-ethyl acetate
Concen: 50.754 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion: 43 Resp: 365277
Ion Ratio Lower Upper
43 100
70 45.3 36.5 54.7
55 26.1 20.9 31.3
61 25.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.113 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

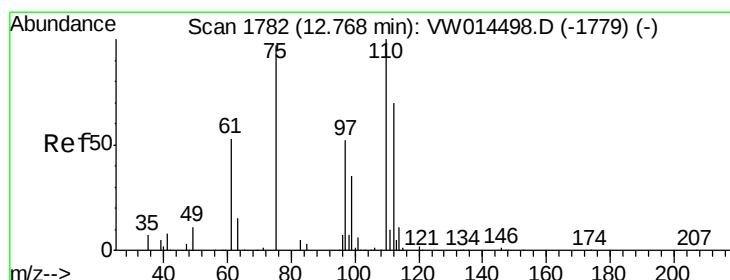
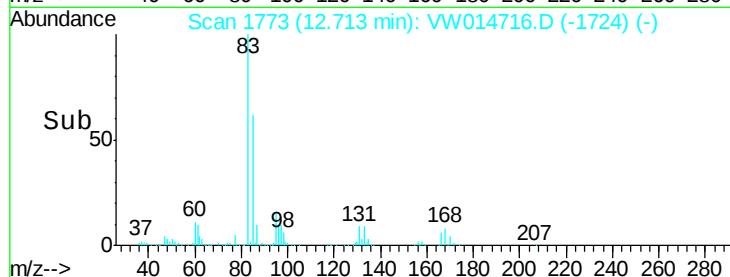
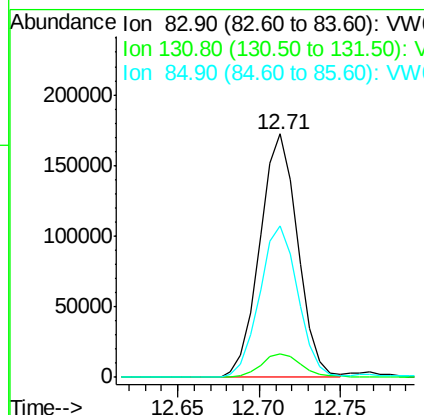
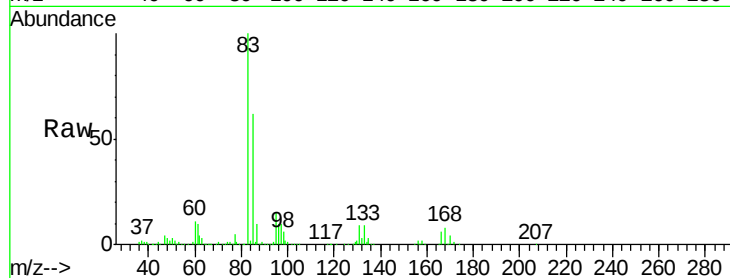
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	278749
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.4
85	62.7	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.065 ug/l m

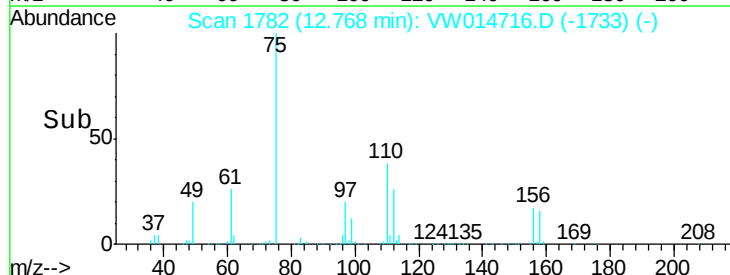
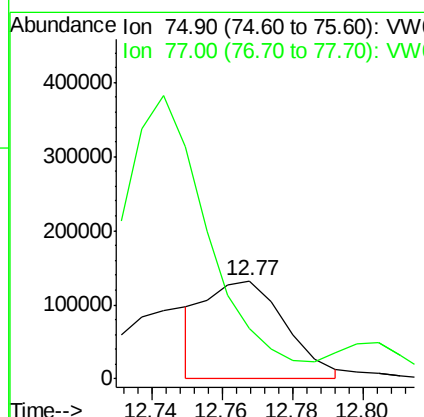
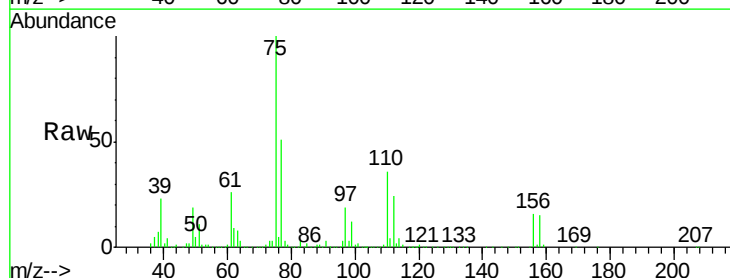
RT: 12.77 min Scan# 1782

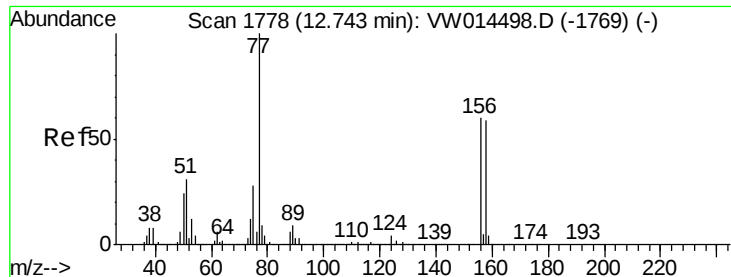
Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Tgt Ion:	75	Resp:	207071
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.690 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

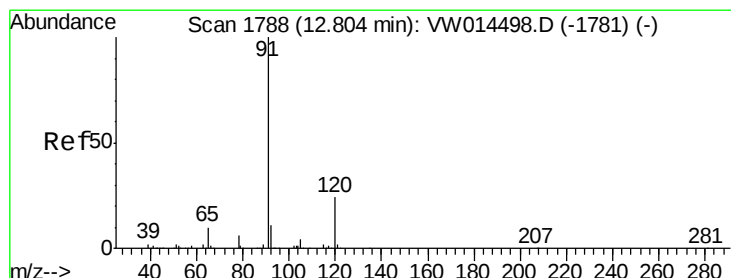
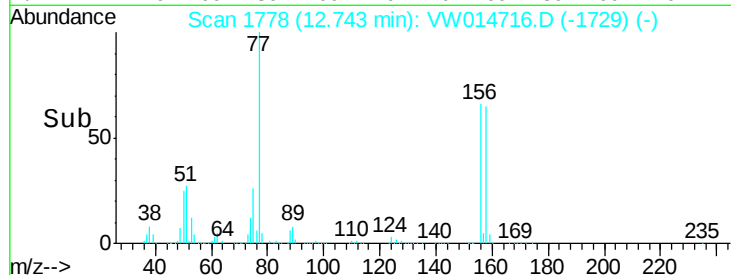
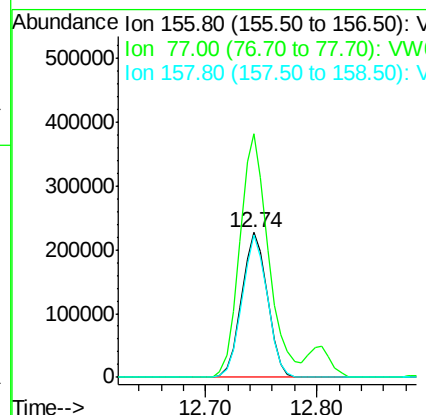
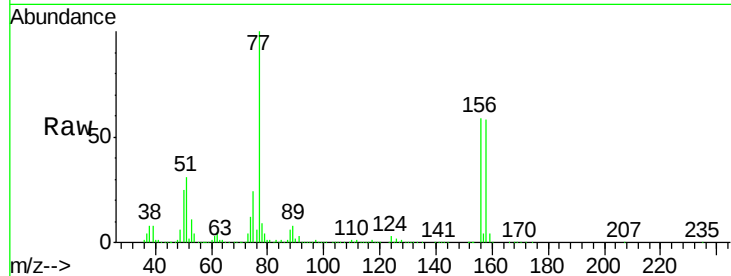
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	187.6	92.3	277.1	
158	96.8	48.6	145.9	

Manual Integrations
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#78

n-propylbenzene

Concen: 51.163 ug/l

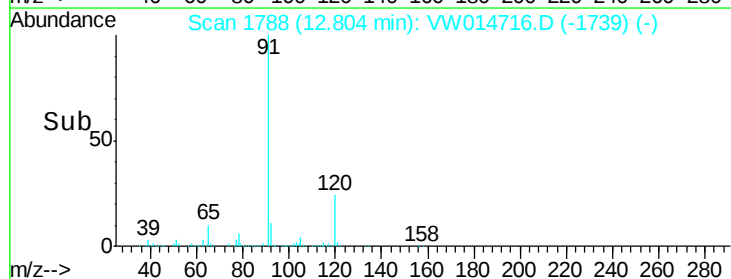
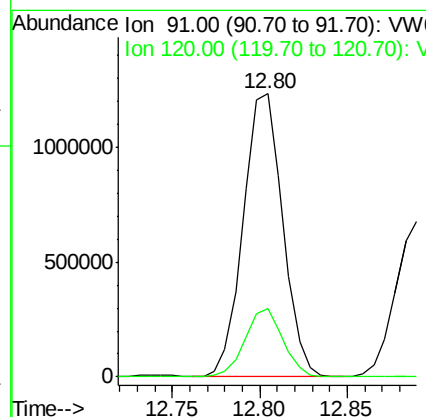
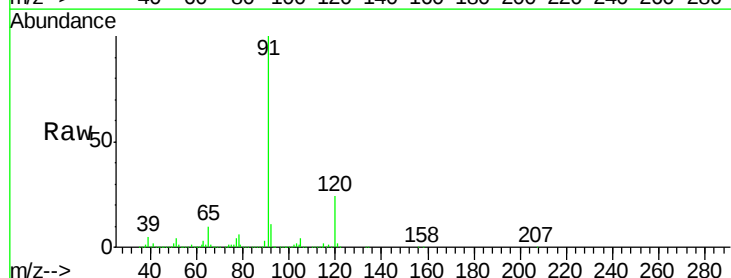
RT: 12.80 min Scan# 1788

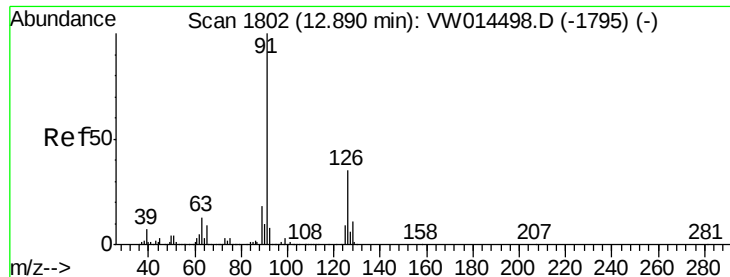
Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

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





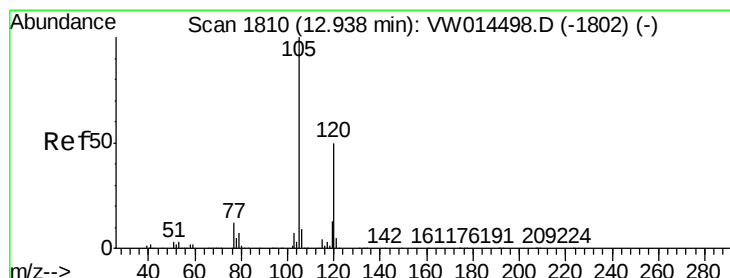
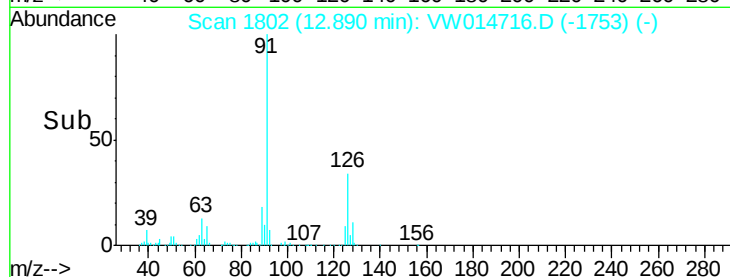
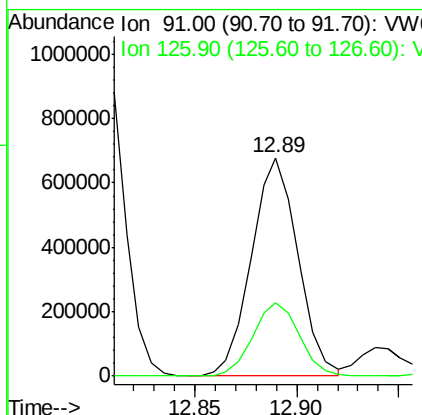
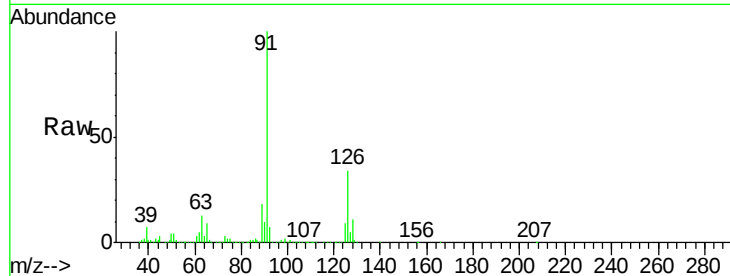
#79
2-Chlorotoluene
Concen: 49.914 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1072112
Ion Ratio Lower Upper
91 100
126 33.7 17.1 51.2

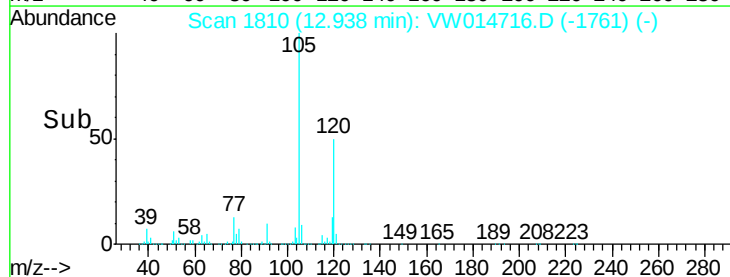
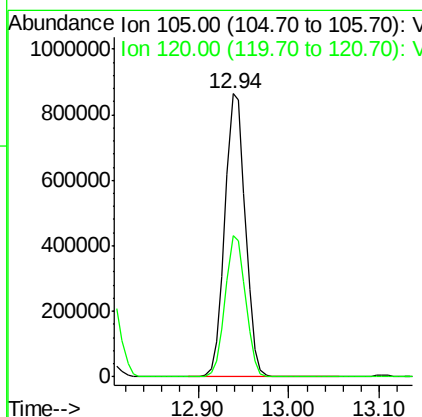
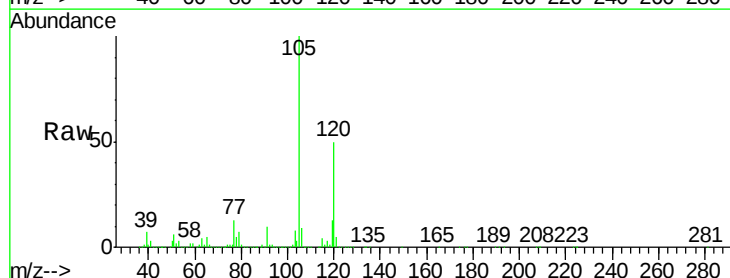
Manual Integrations
APPROVED

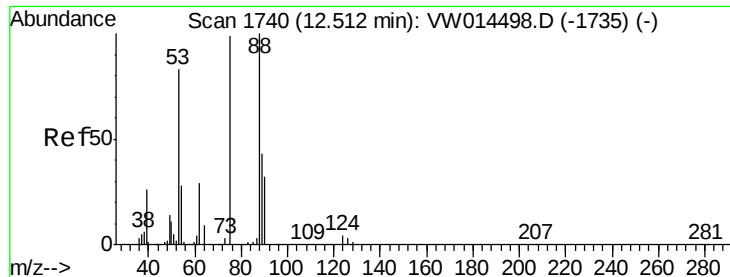
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 50.270 ug/l
RT: 12.94 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion: 105 Resp: 1354823
Ion Ratio Lower Upper
105 100
120 49.7 25.2 75.6





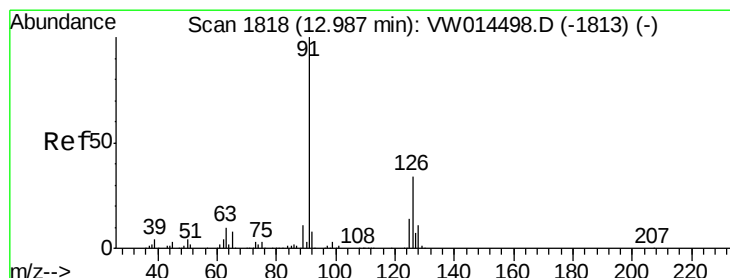
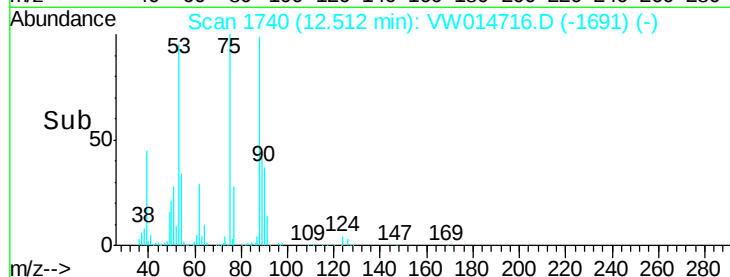
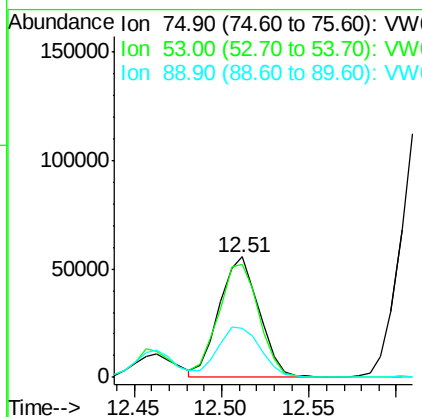
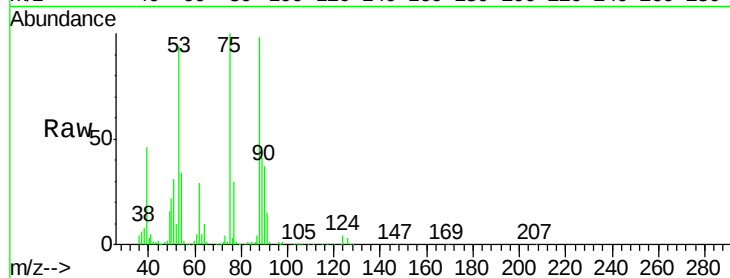
#81
trans-1,4-Dichloro-2-butene
Concen: 47.007 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.1	70.9	106.3
89	46.0	35.8	53.8

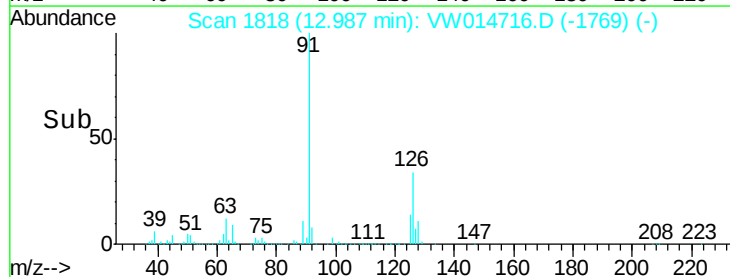
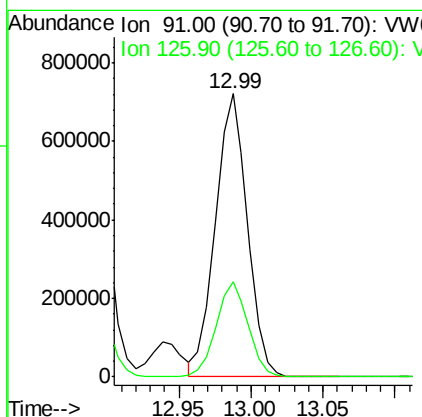
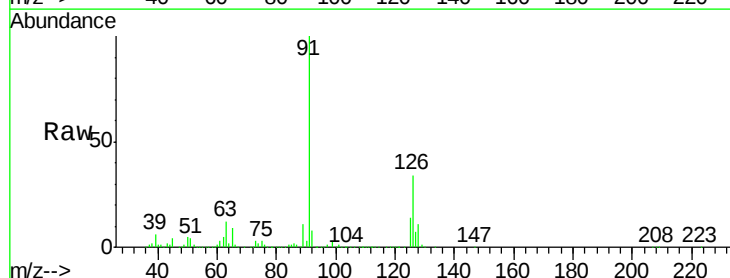
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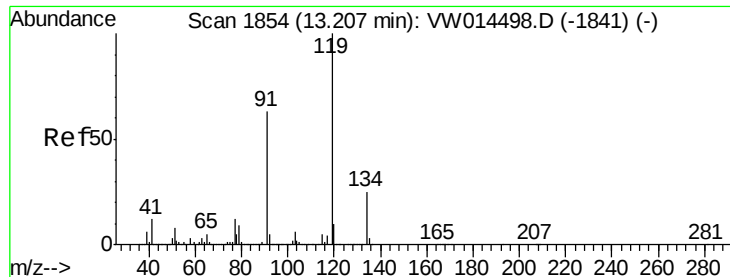
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.051 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.1	51.2





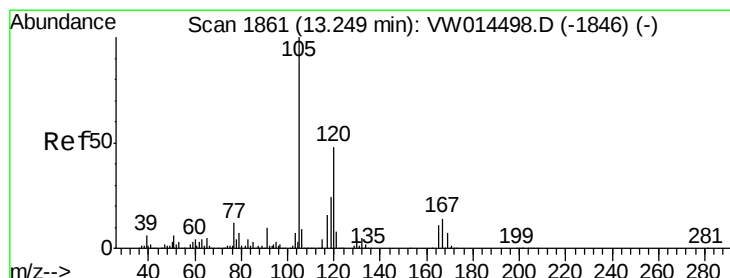
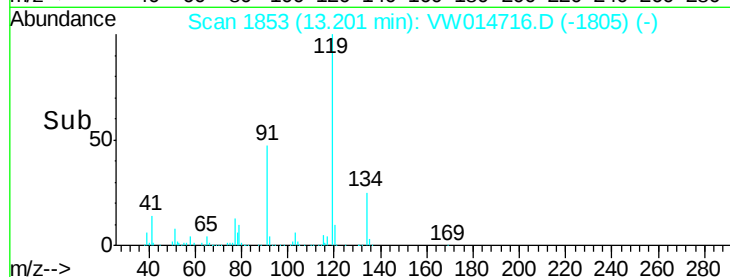
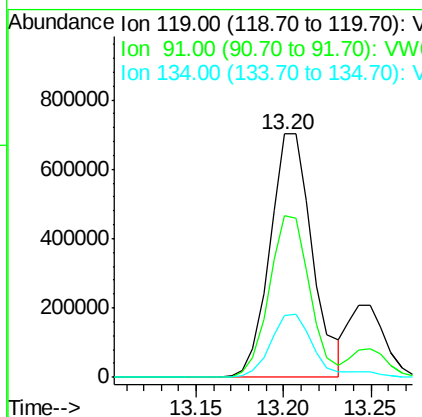
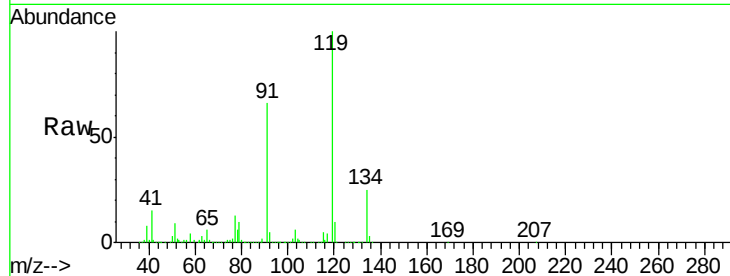
#83
tert-Butylbenzene
Concen: 50.108 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.1	93.3
134	27.1	13.5	40.5

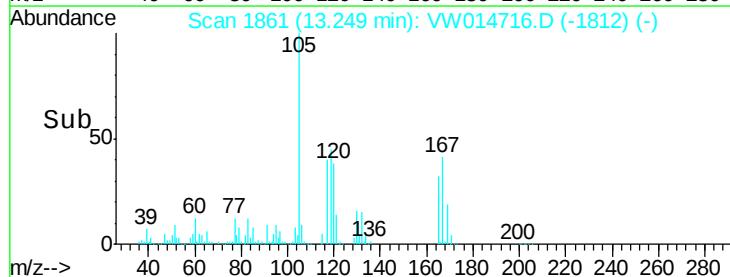
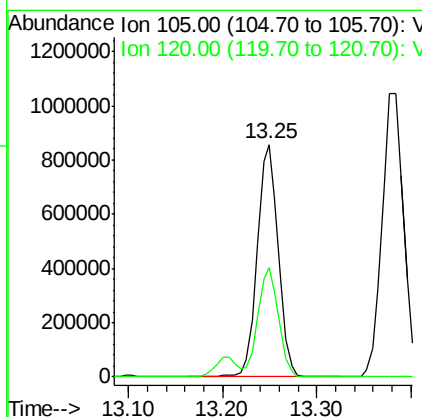
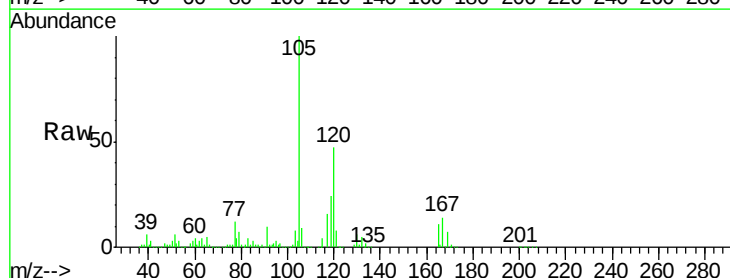
Manual Integrations
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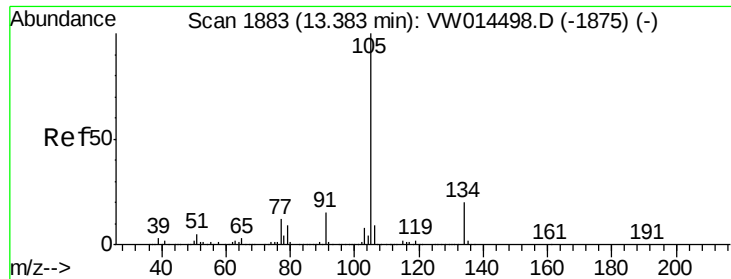
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.993 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.0





#85

sec-Butylbenzene

Concen: 50.706 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1656129

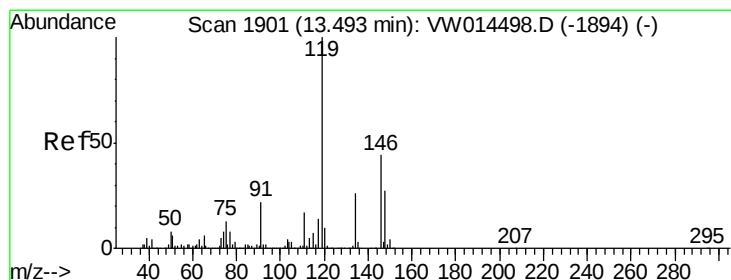
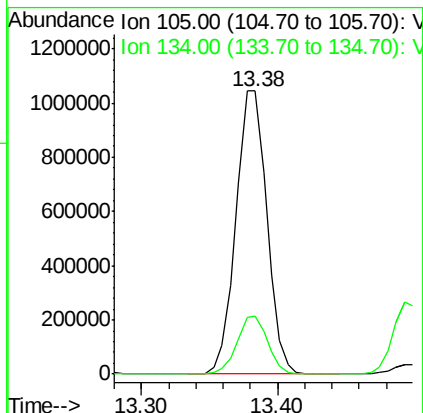
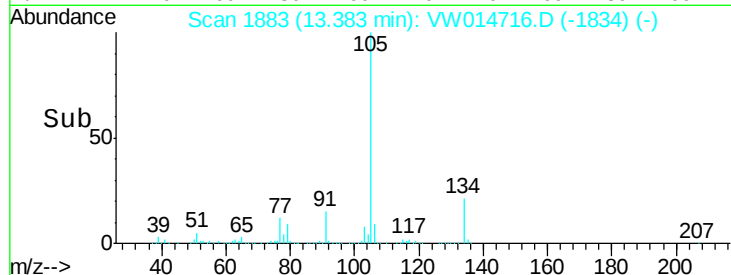
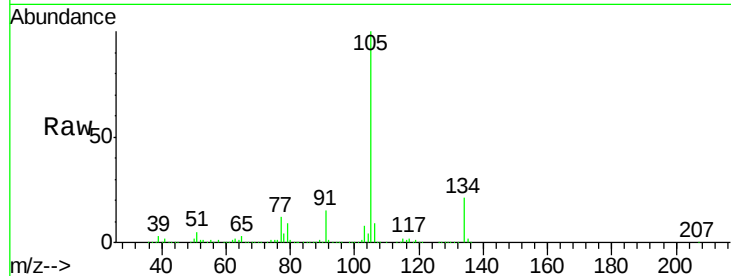
Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 50.875 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

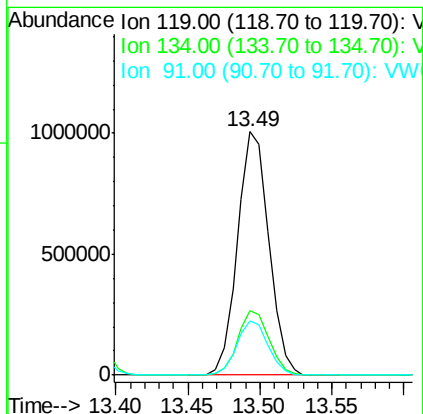
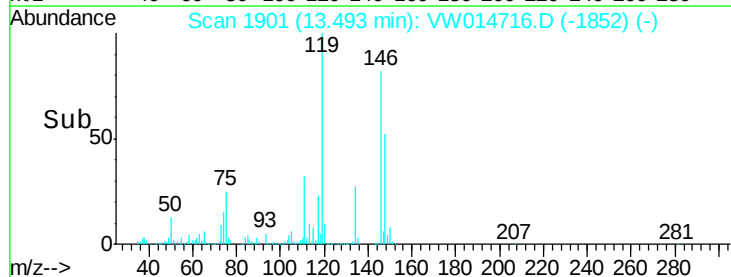
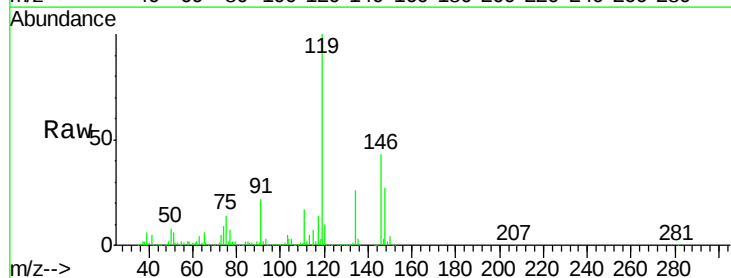
Tgt Ion:119 Resp: 1514575

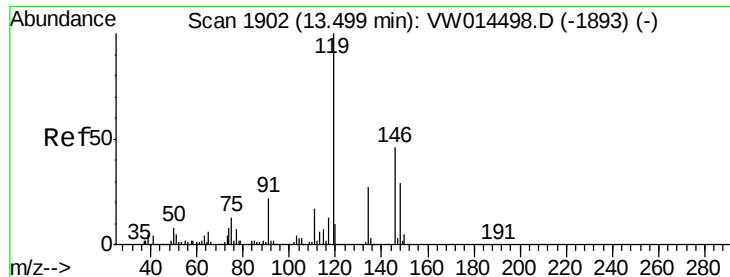
Ion Ratio Lower Upper

119 100

134 26.4 13.2 39.5

91 22.3 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.015 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

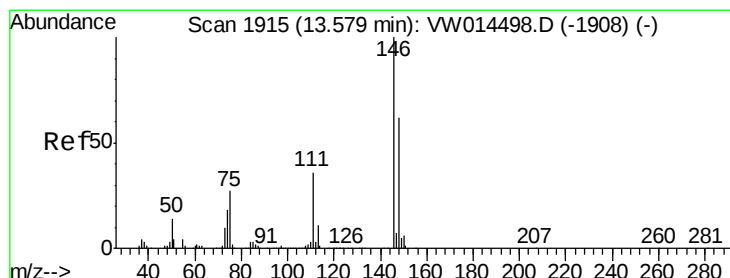
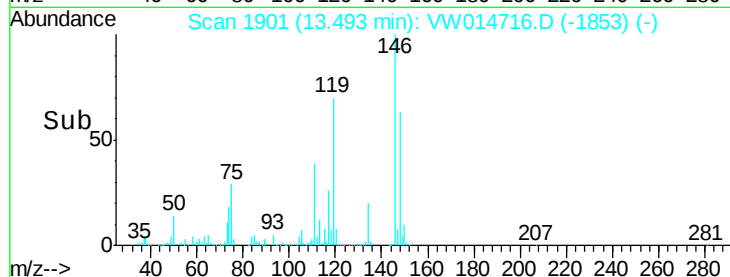
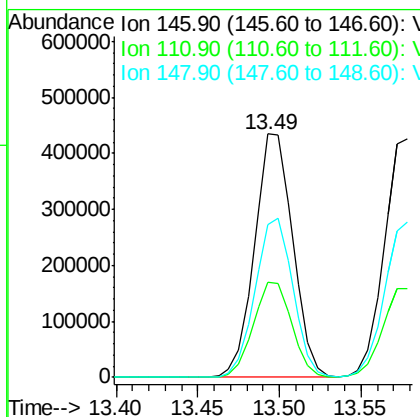
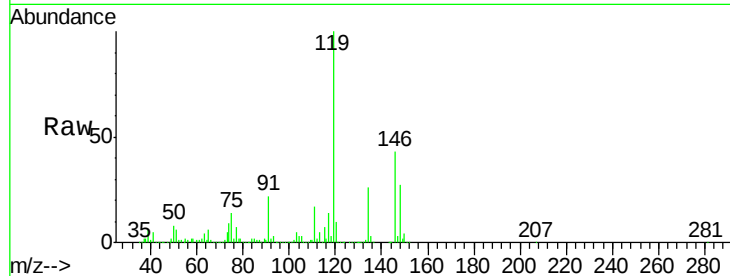
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	64.6	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.852 ug/l

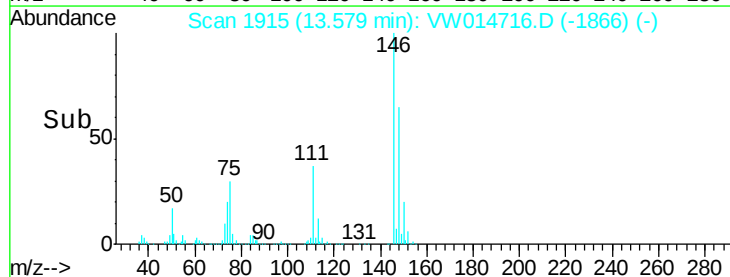
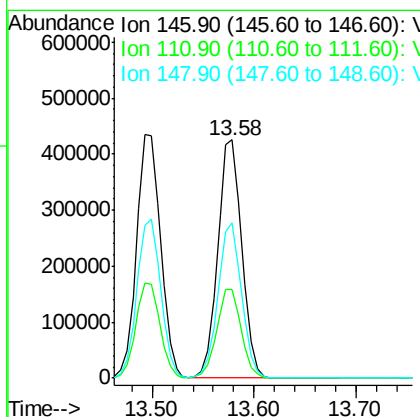
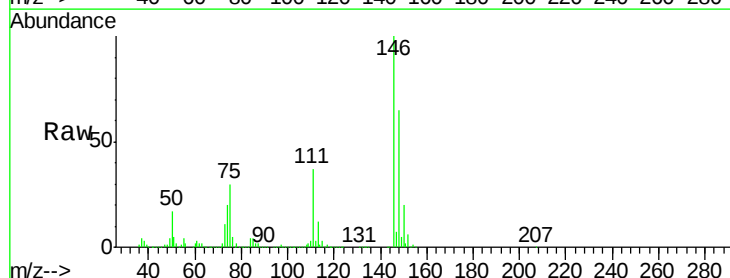
RT: 13.58 min Scan# 1915

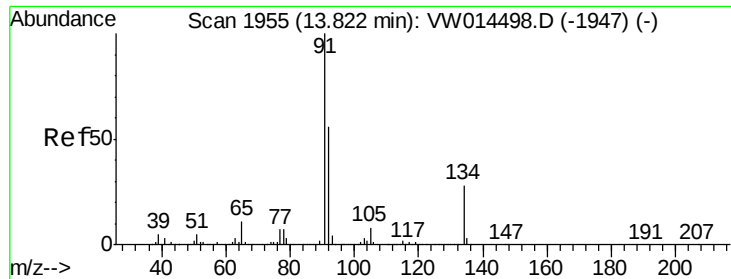
Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.7	56.1
148	64.1	31.7	95.1





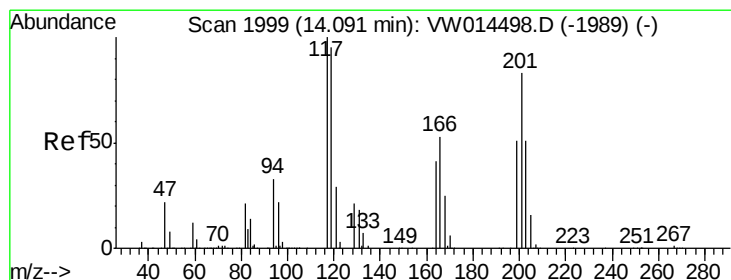
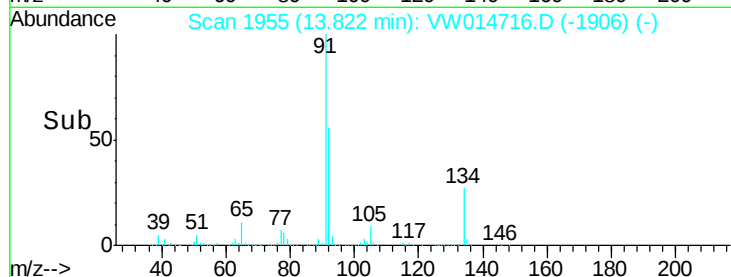
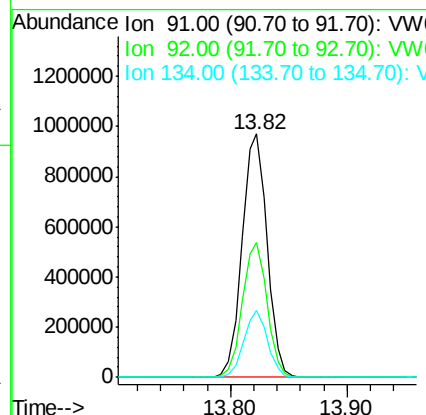
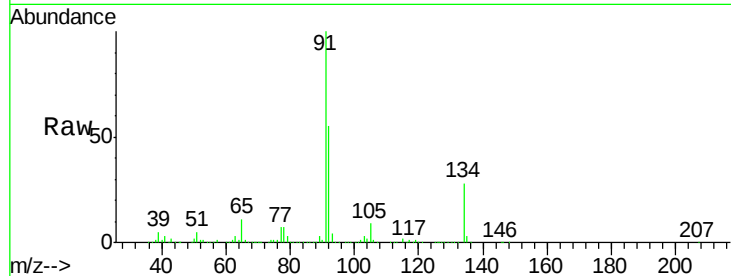
#89
n-Butylbenzene
Concen: 52.484 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1450963
Ion Ratio Lower Upper
91 100
92 54.6 27.5 82.5
134 26.1 13.7 41.1

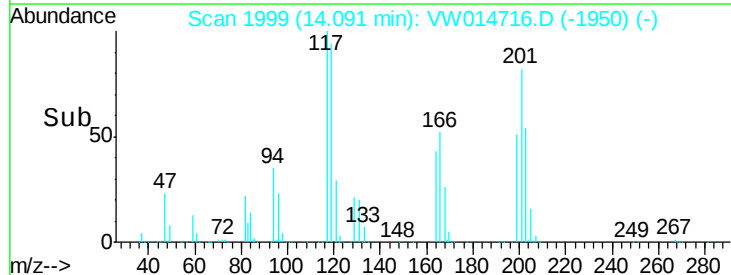
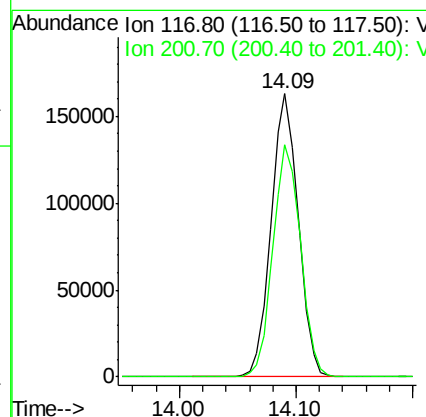
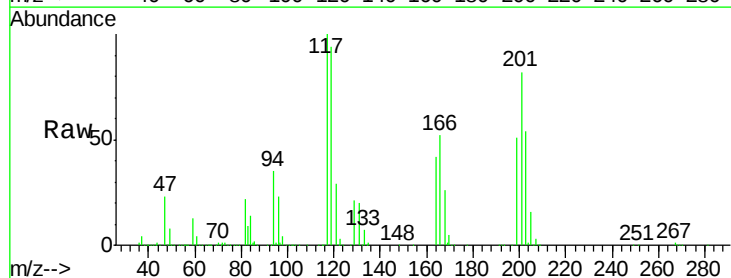
Manual Integrations
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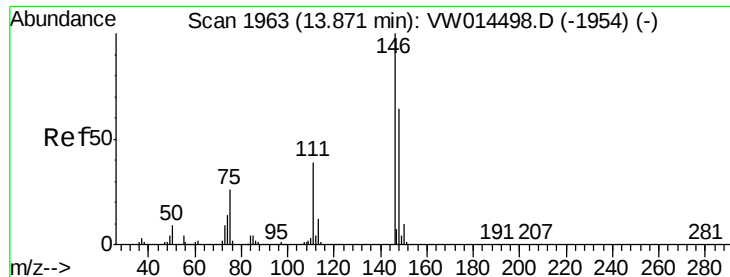
MMDadoda
1/23/2020 2:33:11 PM



#90
Hexachloroethane
Concen: 50.359 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW014716.D
Acq: 22 Jan 2020 16:37

Tgt Ion: 117 Resp: 261905
Ion Ratio Lower Upper
117 100
201 83.4 43.0 128.8





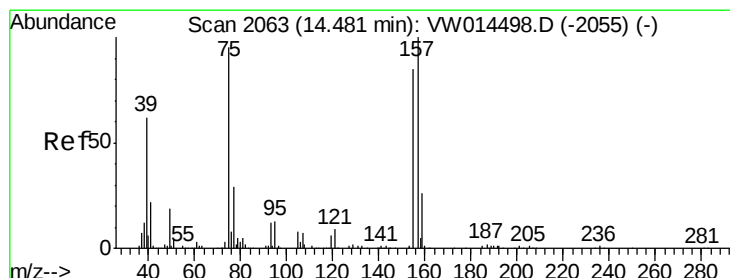
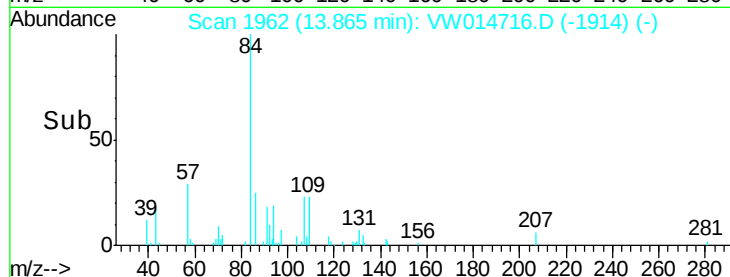
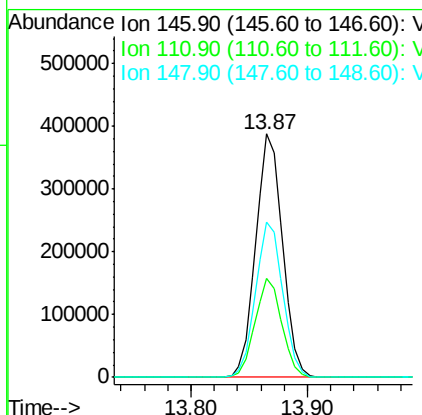
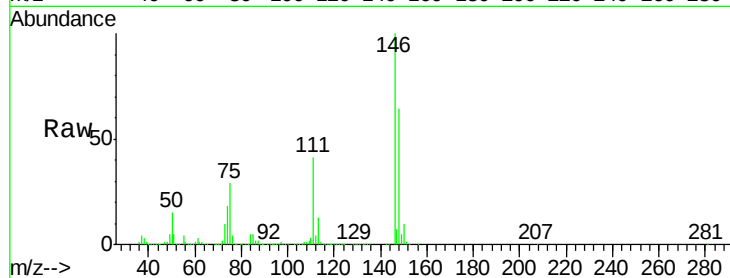
#91
 1,2-Dichlorobenzene
 Concen: 48.984 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.3
148	64.7	32.3	96.8

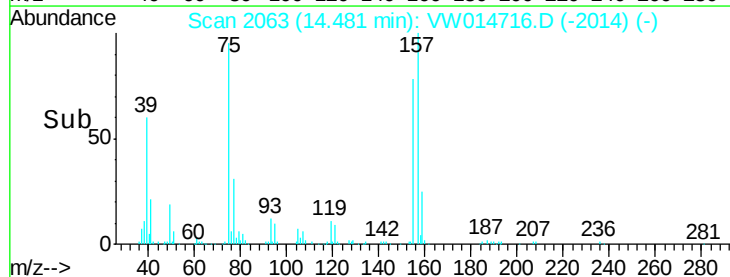
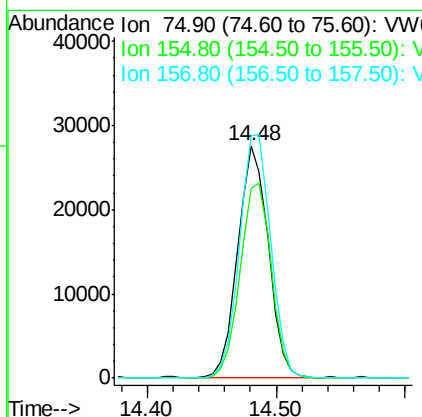
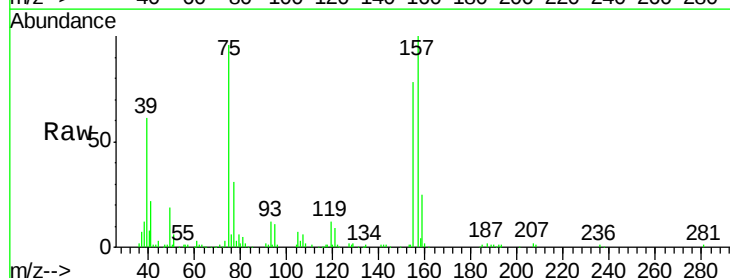
Manual Integrations
 APPROVED

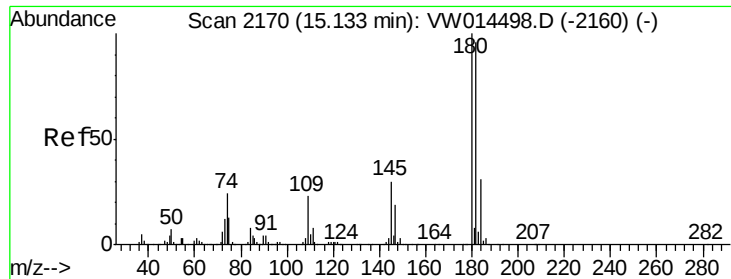
MMDadoda
 1/23/2020 2:33:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.561 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014716.D
 Acq: 22 Jan 2020 16:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.9	45.8	137.4
157	106.8	58.1	174.2





#93

1,2,4-Trichlorobenzene

Concen: 52.512 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

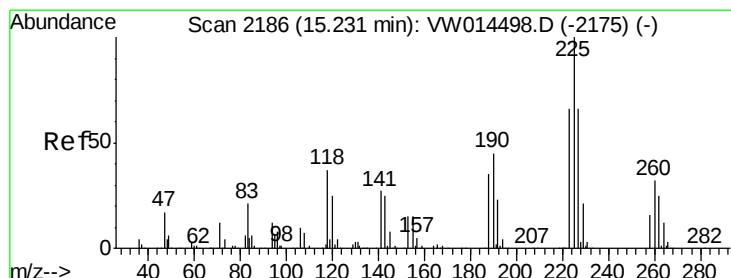
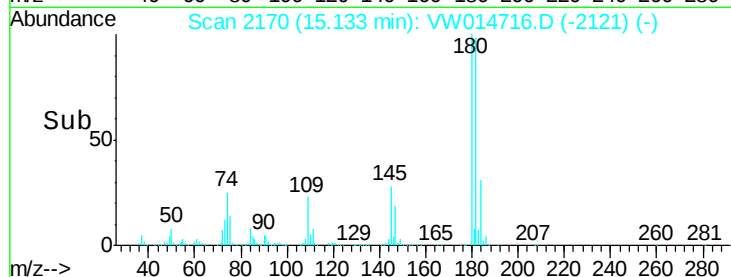
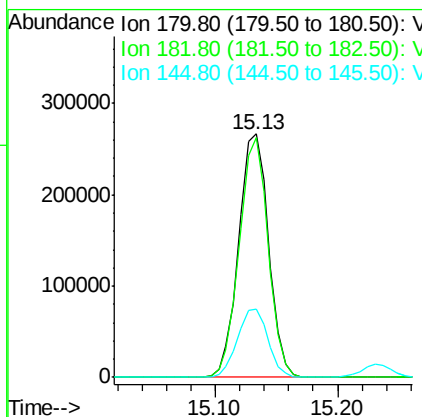
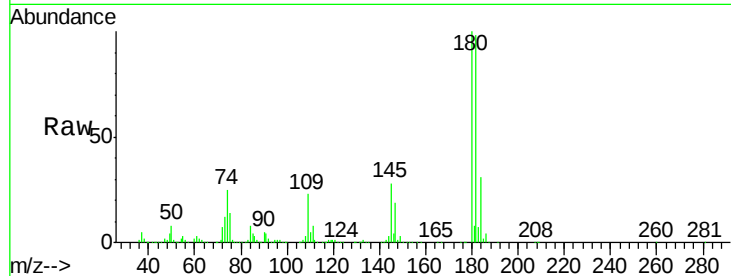
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	451831
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.3	141.8
145	28.9	14.7	44.1

Manual Integrations
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1/23/2020 2:33:11 PM



#94

Hexachlorobutadiene

Concen: 50.399 ug/l

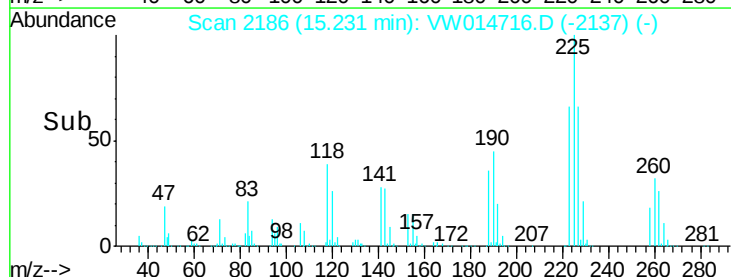
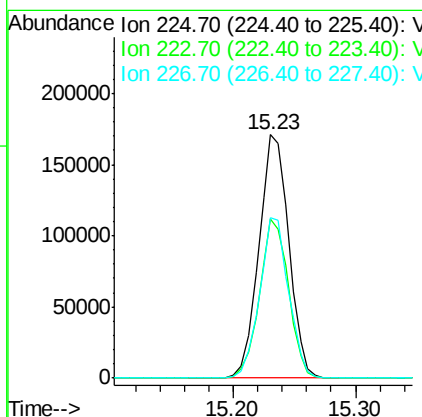
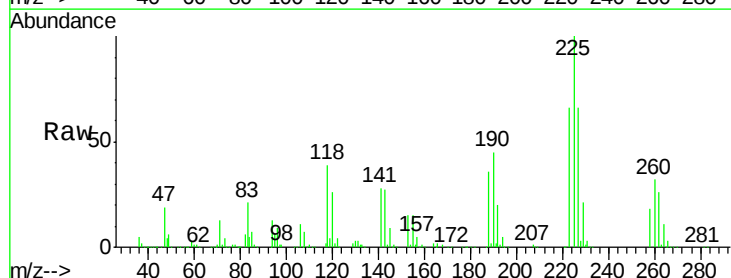
RT: 15.23 min Scan# 2186

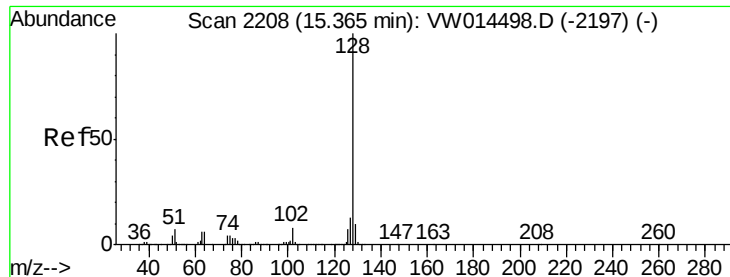
Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Tgt Ion:	225	Resp:	290608
Ion Ratio	Lower	Upper	
225	100		
223	63.5	32.4	97.2
227	64.2	32.6	97.8





#95

Naphthalene

Concen: 52.718 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Instrument :

MSVOA_W

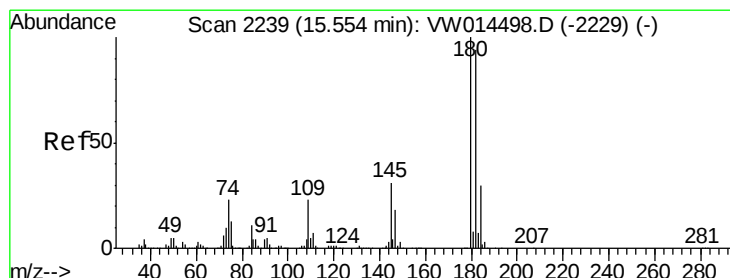
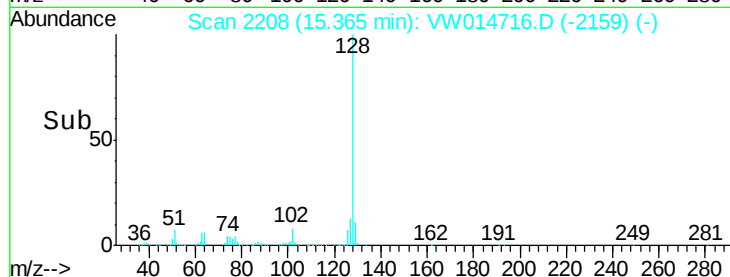
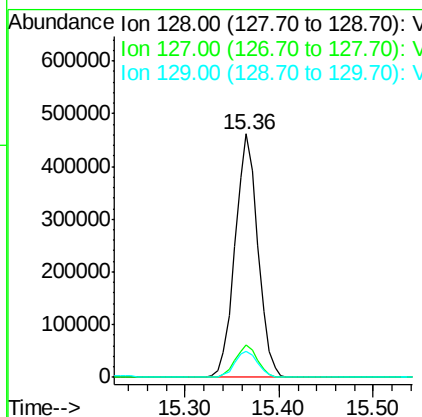
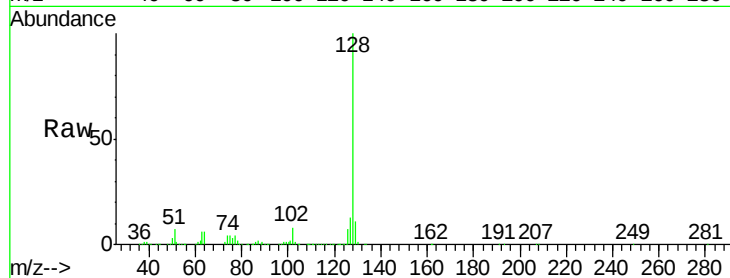
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	773613
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.8	8.7	13.1

Manual Integrations
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1/23/2020 2:33:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.158 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014716.D

Acq: 22 Jan 2020 16:37

Tgt Ion:	180	Resp:	383687
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.4	142.2
145	30.7	15.5	46.5

