

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010450.D
 Acq On : 20 May 2019 16:02
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 11:28:40 AM

Quant Time: May 21 06:35:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:23:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	146415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	254196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	227700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109212	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	30134	19.10	ug/l	0.00
Spiked Amount			Recovery	=	38.20%	
35) Dibromofluoromethane	7.88	113	30371	19.49	ug/l	0.00
Spiked Amount			Recovery	=	38.98%	
50) Toluene-d8	10.32	98	117171	20.10	ug/l	0.00
Spiked Amount			Recovery	=	40.20%	
62) 4-Bromofluorobenzene	12.62	95	45586	19.91	ug/l	0.00
Spiked Amount			Recovery	=	39.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	22606	18.026	ug/l	98
3) Chloromethane	2.21	50	26793	15.835	ug/l	97
4) Vinyl Chloride	2.35	62	31885	17.875	ug/l	99
5) Bromomethane	2.74	94	22071	21.160	ug/l	96
6) Chloroethane	2.90	64	21776	19.505	ug/l	98
7) Trichlorofluoromethane	3.24	101	49777	20.057	ug/l	96
8) Diethyl Ether	3.68	74	15860	18.299	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	30768	19.602	ug/l	99
10) Methyl Iodide	4.27	142	33031	18.577	ug/l	98
11) Tert butyl alcohol	5.17	59	12795	89.813	ug/l	94
12) 1,1-Dichloroethene	4.03	96	29519	19.836	ug/l	98
13) Acrolein	3.90	56	10732	100.633	ug/l	94
14) Allyl chloride	4.67	41	42524	18.662	ug/l	98
15) Acrylonitrile	5.37	53	34067	93.034	ug/l	97
16) Acetone	4.12	43	28926	99.509	ug/l	98
17) Carbon Disulfide	4.37	76	84720	19.630	ug/l	99
18) Methyl Acetate	4.67	43	14888	17.169	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	76839	18.442	ug/l	98
20) Methylene Chloride	4.92	84	40885	23.275	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	34050	19.680	ug/l	99
22) Diisopropyl ether	6.31	45	89820	18.629	ug/l	100
23) Vinyl Acetate	6.26	43	261208	87.625	ug/l	98
24) 1,1-Dichloroethane	6.21	63	53275	18.915	ug/l	100
25) 2-Butanone	7.17	43	42750	90.249	ug/l	98
26) 2,2-Dichloropropane	7.16	77	51065	19.906	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	37716	19.564	ug/l	100
28) Bromochloromethane	7.51	49	20506	19.792	ug/l	100
29) Tetrahydrofuran	7.53	42	28231	88.079	ug/l	99
30) Chloroform	7.67	83	58162	19.616	ug/l	96
31) Cyclohexane	7.95	56	54412	19.128	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	55041	19.647	ug/l	99
36) 1,1-Dichloropropene	8.09	75	46466	20.297	ug/l	99
37) Ethyl Acetate	7.26	43	19037	17.790	ug/l	98
38) Carbon Tetrachloride	8.07	117	49420	20.001	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	61643	20.101	ug/l	98
40) Benzene	8.32	78	128519	19.730	ug/l	100
41) Methacrylonitrile	7.48	41	12640	20.273	ug/l	90
42) 1,2-Dichloroethane	8.40	62	36661	19.095	ug/l	99
43) Isopropyl Acetate	8.43	43	39052	18.026	ug/l	99
44) Trichloroethene	9.09	130	37579	20.062	ug/l	98
45) 1,2-Dichloropropane	9.37	63	30556	19.327	ug/l	100
46) Dibromomethane	9.46	93	17727	19.055	ug/l	98
47) Bromodichloromethane	9.65	83	44844	19.309	ug/l	100
48) Methyl methacrylate	9.44	41	16947	16.923	ug/l	98
49) 1,4-Dioxane	9.45	88	5740	416.834	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	97181	87.572	ug/l	100
52) Toluene	10.39	92	85989	19.878	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	44360	18.592	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	51708	19.059	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	25726	19.171	ug/l	97
56) Ethyl methacrylate	10.65	69	35093	18.727	ug/l	99
57) 1,3-Dichloropropane	10.93	76	43055	19.115	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	81726	93.650	ug/l	100
59) 2-Hexanone	10.97	43	68859	88.833	ug/l	100
60) Dibromochloromethane	11.13	129	32014	19.176	ug/l	99
61) 1,2-Dibromoethane	11.23	107	25726	18.878	ug/l	100
64) Tetrachloroethene	10.86	164	30336	19.926	ug/l	98
65) Chlorobenzene	11.66	112	94356	20.158	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	33530	19.430	ug/l	97
67) Ethyl Benzene	11.73	91	168030	20.323	ug/l	99
68) m/p-Xylenes	11.84	106	131654	40.660	ug/l	99
69) o-Xylene	12.17	106	62111	20.163	ug/l	100
70) Styrene	12.18	104	105814	19.982	ug/l	99
71) Bromoform	12.35	173	18235	19.015	ug/l #	98
73) Isopropylbenzene	12.46	105	169240	19.738	ug/l	99
74) N-amyl acetate	12.27	43	36966	17.218	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	29698	17.864	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	21121m	18.223	ug/l	
77) Bromobenzene	12.75	156	37143	19.226	ug/l	96
78) n-propylbenzene	12.80	91	197140	19.872	ug/l	99
79) 2-Chlorotoluene	12.90	91	113455	19.600	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	144227	19.809	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	9977	16.988	ug/l	96
82) 4-Chlorotoluene	12.99	91	119347	19.779	ug/l	98
83) tert-Butylbenzene	13.21	119	122928	19.910	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	144453	20.127	ug/l	99
85) sec-Butylbenzene	13.38	105	175040	20.156	ug/l	100
86) p-Isopropyltoluene	13.50	119	158071	20.100	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	73905	19.847	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	74546	20.059	ug/l	98
89) n-Butylbenzene	13.83	91	150642	20.104	ug/l	100
90) Hexachloroethane	14.10	117	30451	19.332	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	68511	20.315	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5422	17.488	ug/l	98

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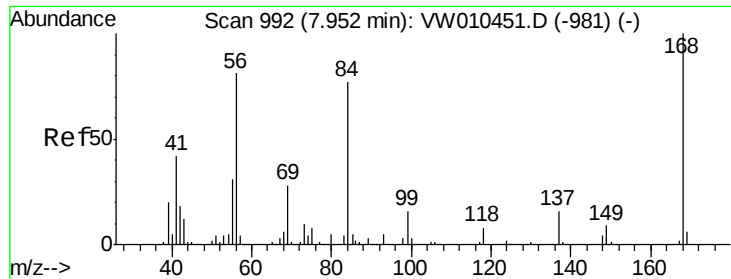
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	45480	20.417	ug/l	100
94) Hexachlorobutadiene	15.24	225	23954	20.044	ug/l	98
95) Naphthalene	15.37	128	93654	18.870	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	38915	19.876	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 146415

Ion Ratio Lower Upper

168 100

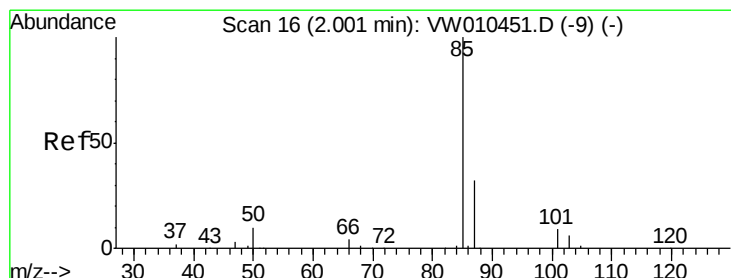
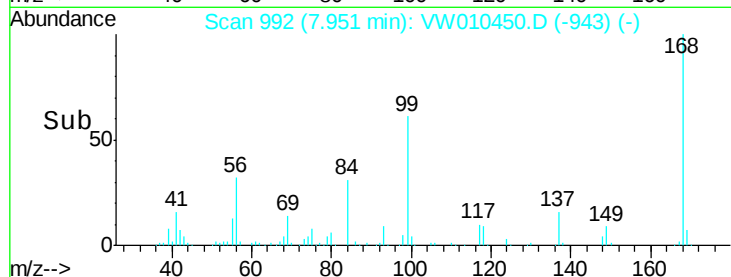
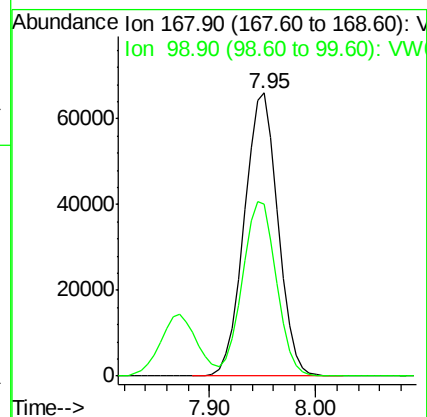
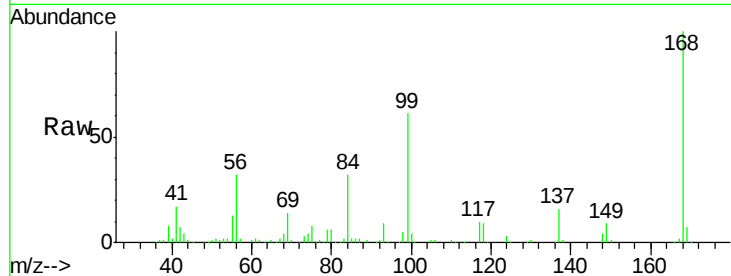
99 60.9 46.1 69.1

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#2

Dichlorodifluoromethane

Concen: 18.026 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010450.D

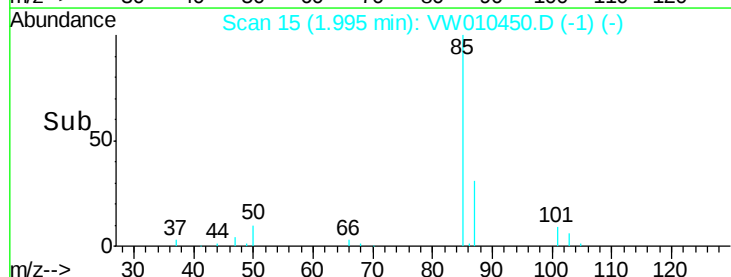
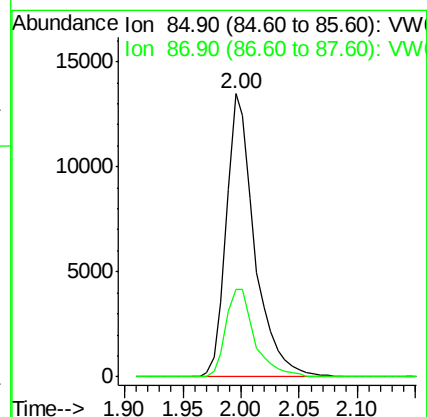
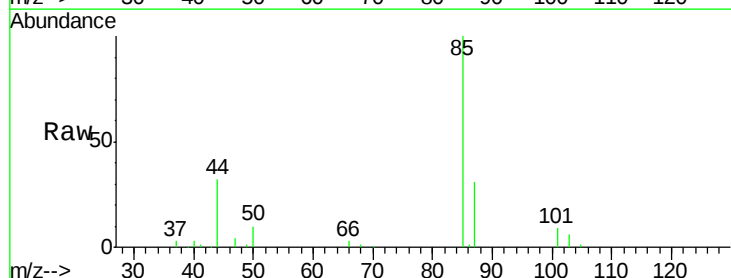
Acq: 20 May 2019 16:02

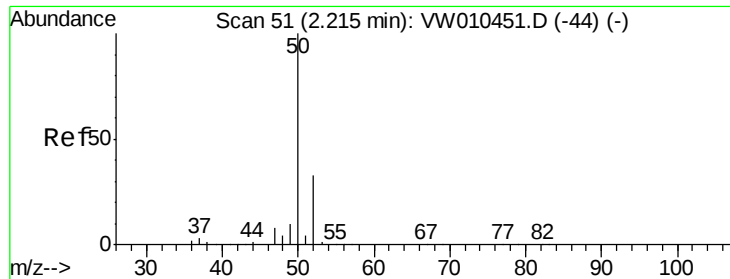
Tgt Ion: 85 Resp: 22606

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.8





#3

Chloromethane

Concen: 15.835 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 26793

Ion Ratio Lower Upper

50 100

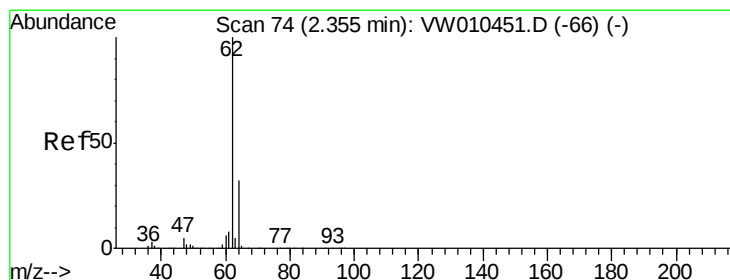
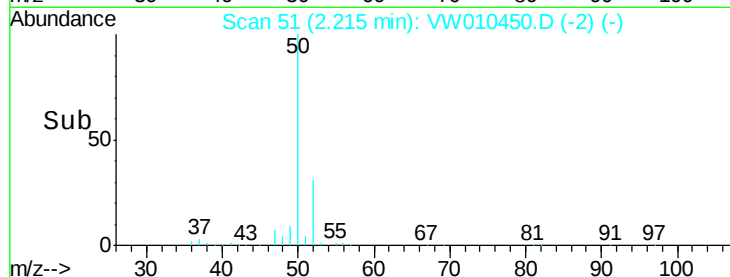
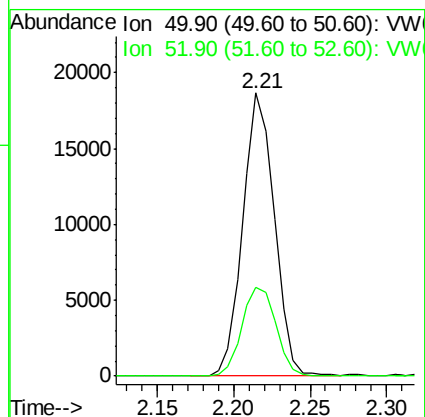
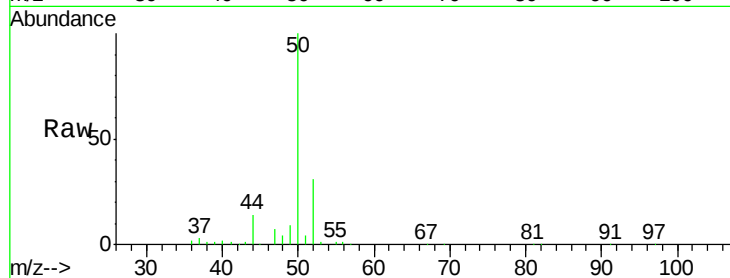
52 31.2 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.875 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010450.D

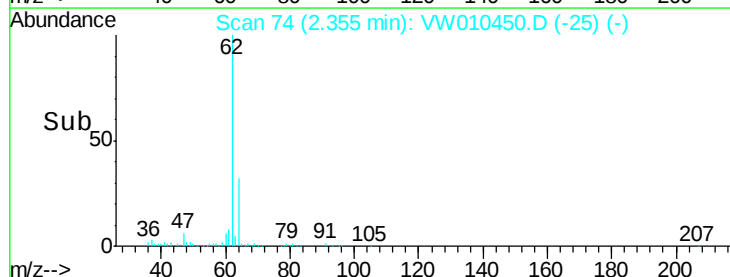
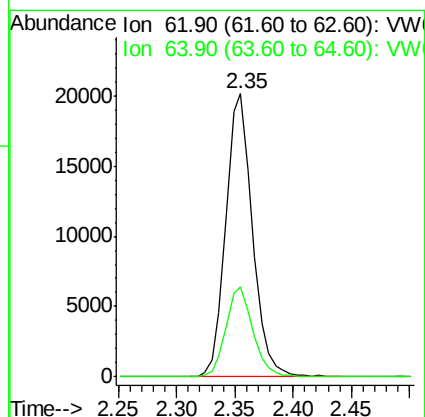
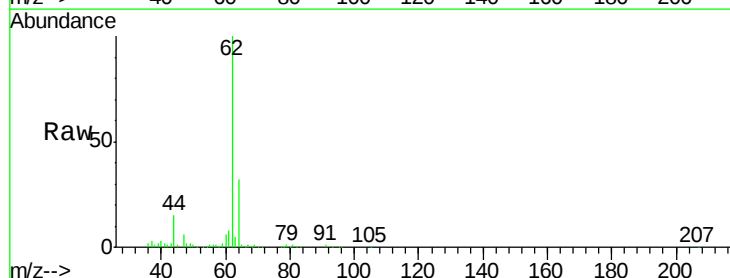
Acq: 20 May 2019 16:02

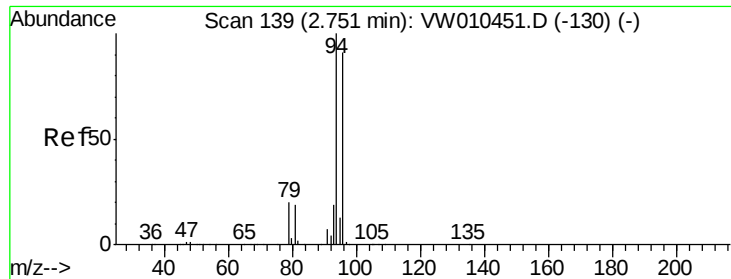
Tgt Ion: 62 Resp: 31885

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.8





#5

Bromomethane

Concen: 21.160 ug/l

RT: 2.74 min Scan# 137

Delta R.T. -0.01 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 22071

Ion Ratio Lower Upper

94 100

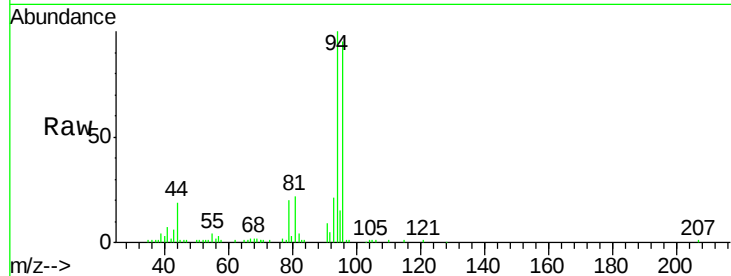
96 94.5 72.9 109.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

12000

10000

8000

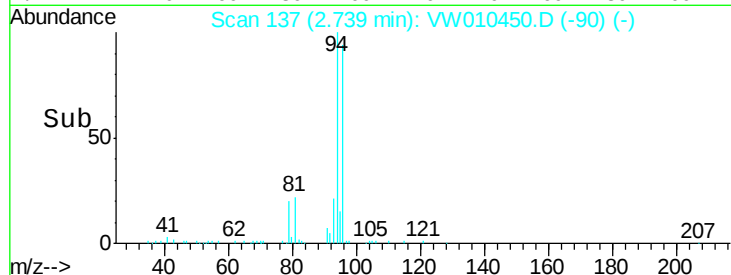
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4000

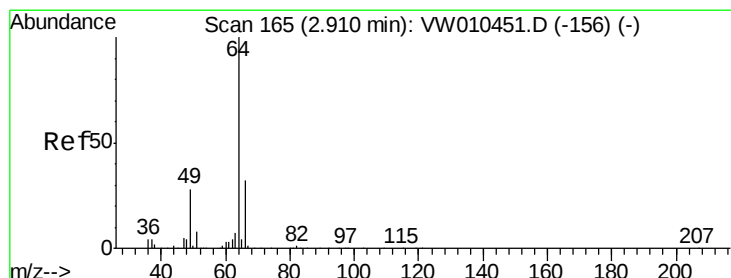
2000

0

Time-->



Time-->



#6

Chloroethane

Concen: 19.505 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.01 min

Lab File: VW010450.D

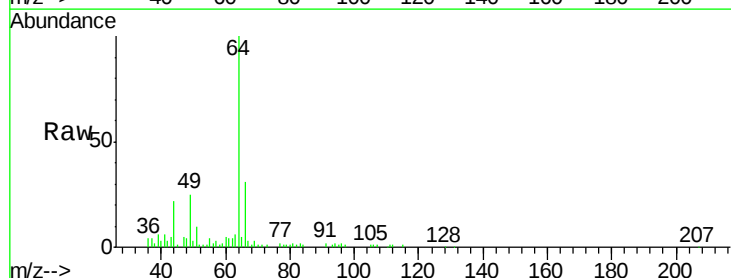
Acq: 20 May 2019 16:02

Tgt Ion: 64 Resp: 21776

Ion Ratio Lower Upper

64 100

66 30.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

12000

10000

8000

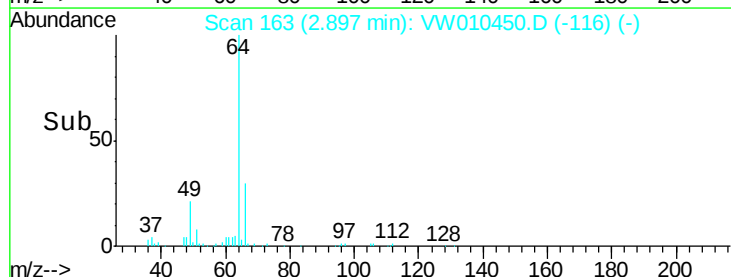
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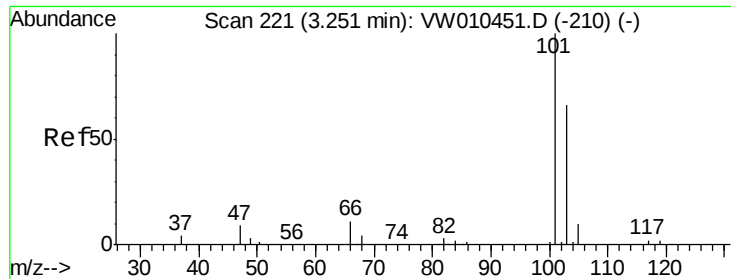
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Time-->



Time-->



#7

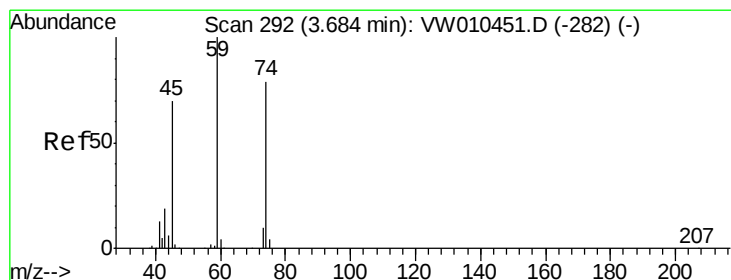
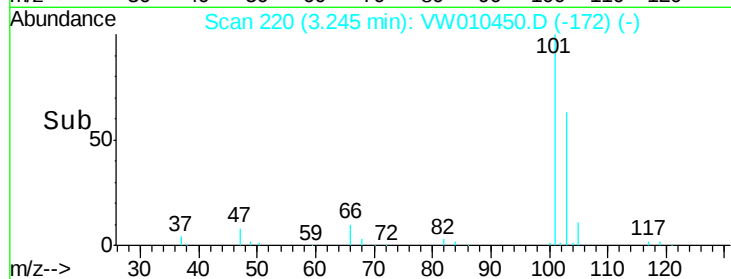
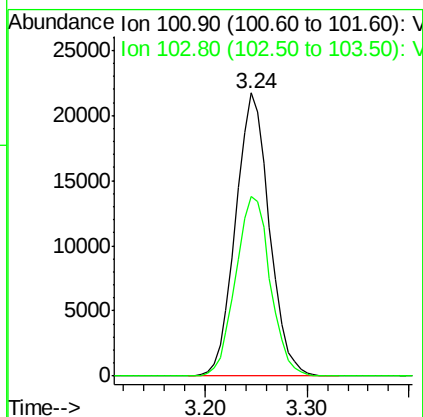
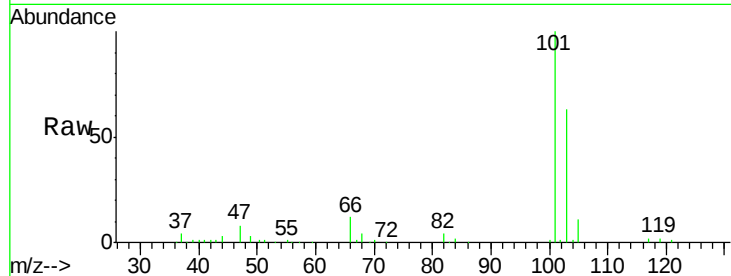
Trichlorofluoromethane
Concen: 20.057 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		49777		
103	63.4	53.0	79.4		

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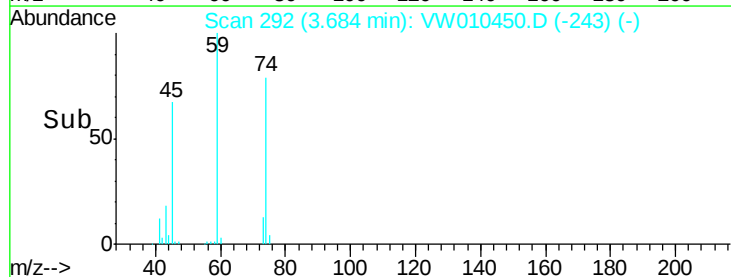
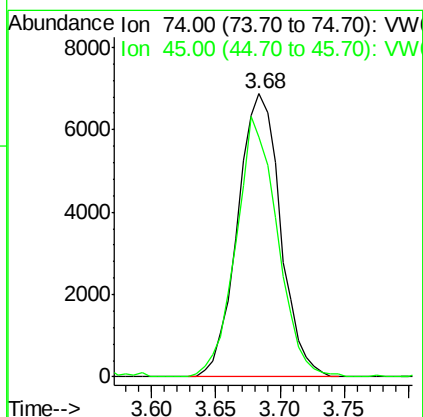
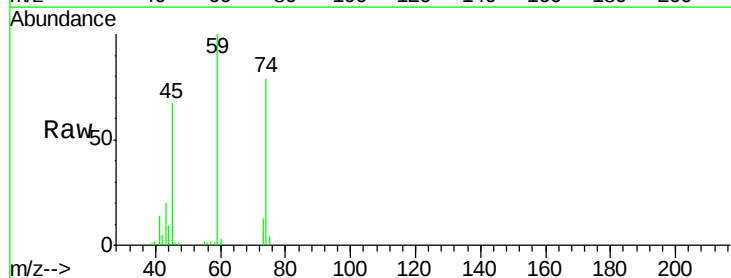
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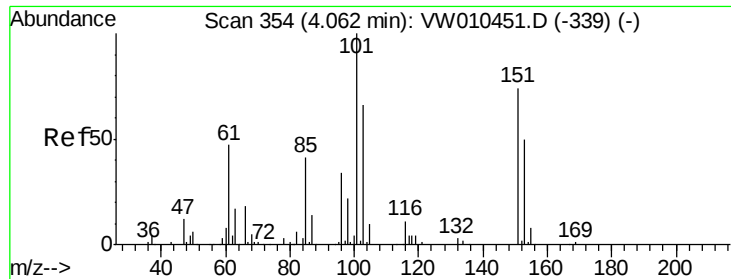


#8

Diethyl Ether
Concen: 18.299 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		15860		
45	88.9	42.9	128.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.602 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

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MSVOA_W

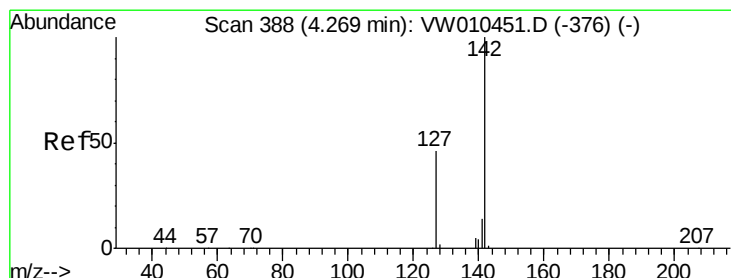
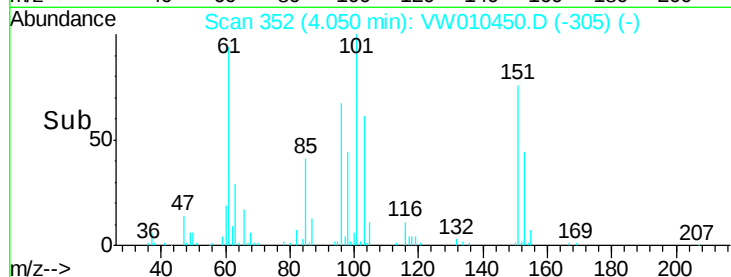
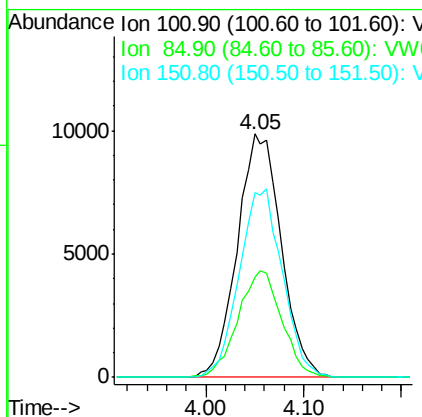
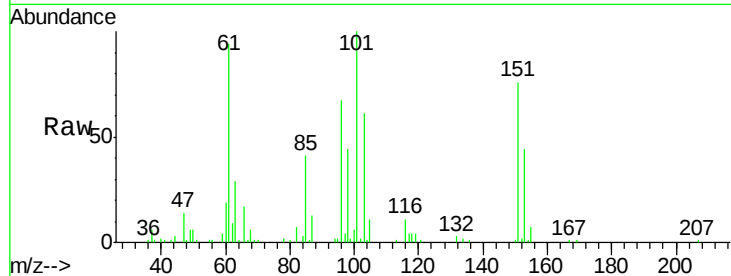
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	30768
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.3	51.5
151	75.8	60.3	90.5

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#10

Methyl Iodide

Concen: 18.577 ug/l

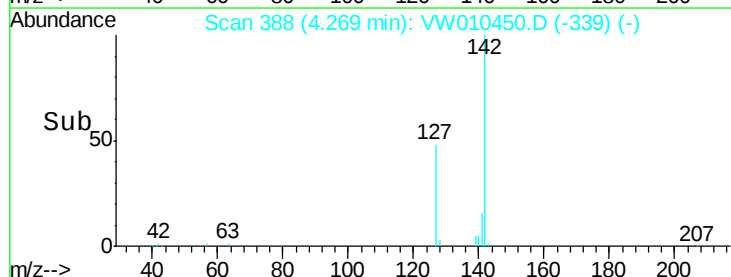
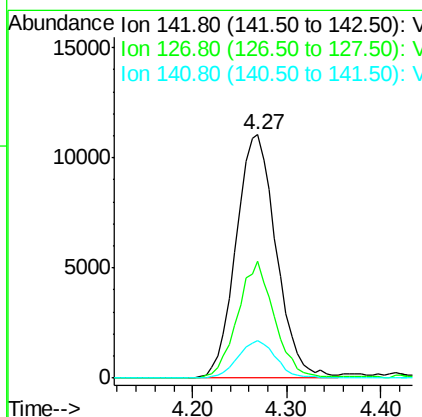
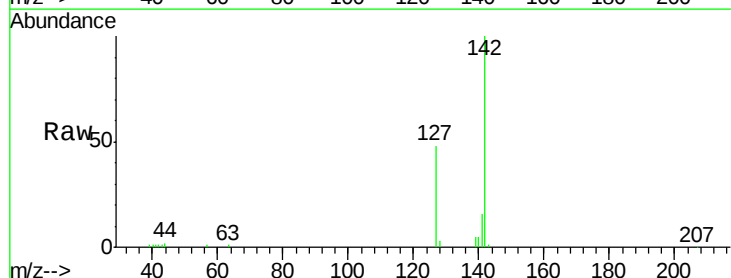
RT: 4.27 min Scan# 388

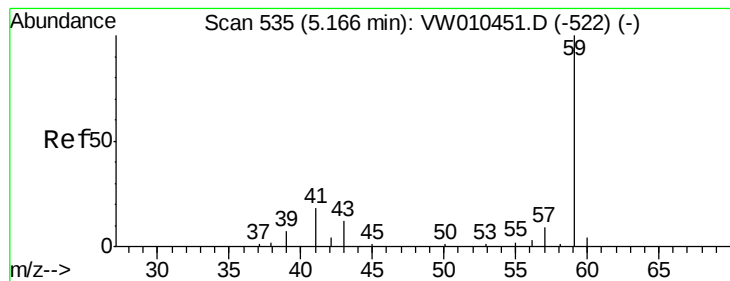
Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Tgt Ion:	142	Resp:	33031
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.1	54.1
141	14.5	11.3	16.9





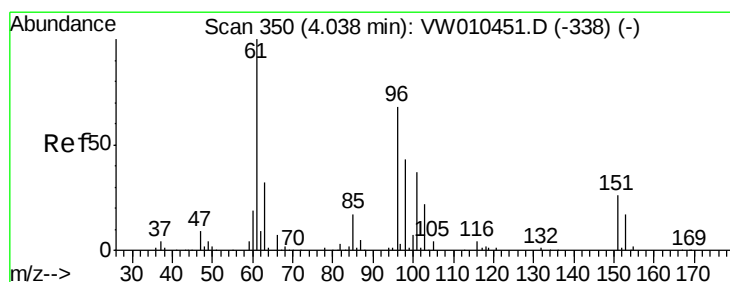
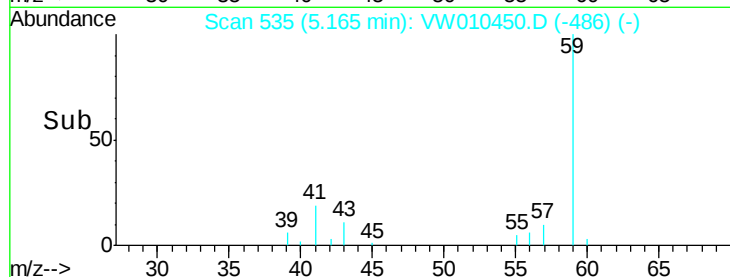
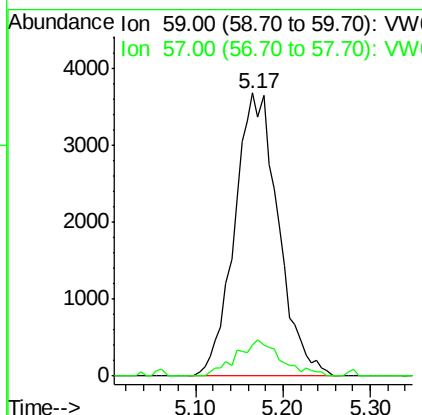
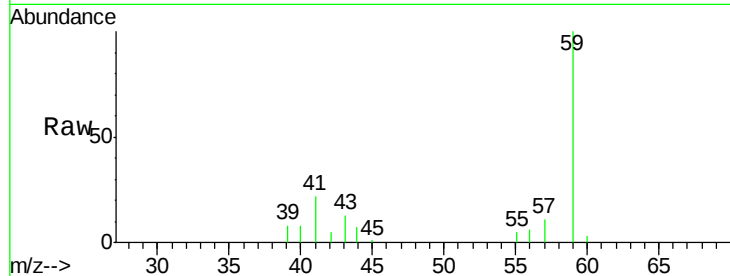
#11
Tert butyl alcohol
Concen: 89.813 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	12795		
57	13.1		8.8	13.2

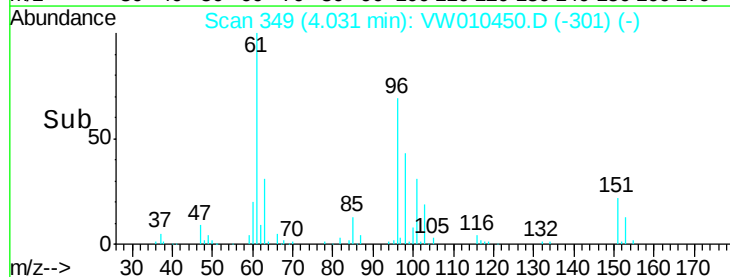
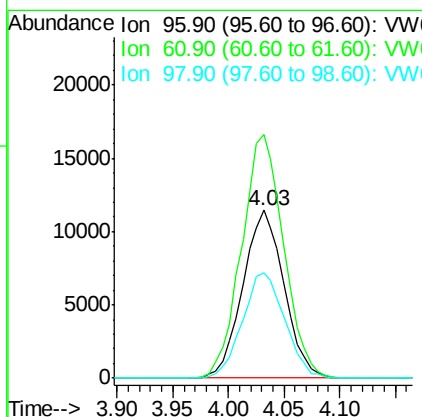
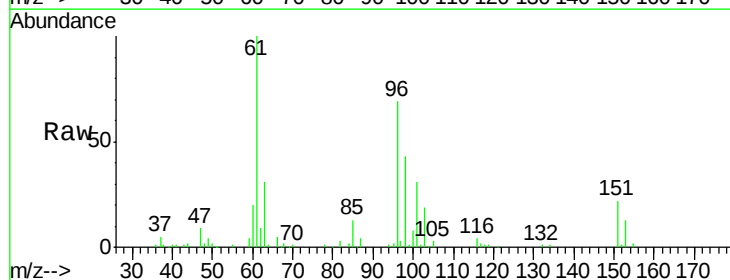
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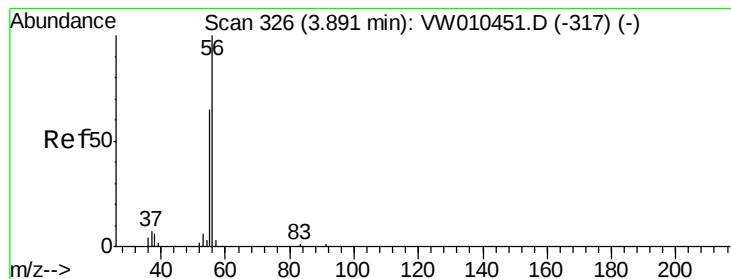
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5/21/2019 11:28:40 AM



#12
1,1-Dichloroethene
Concen: 19.836 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	29519		
61	145.3		118.3	177.5
98	62.7		51.0	76.6





#13

Acrolein

Concen: 100.633 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 10732

Ion Ratio Lower Upper

56 100

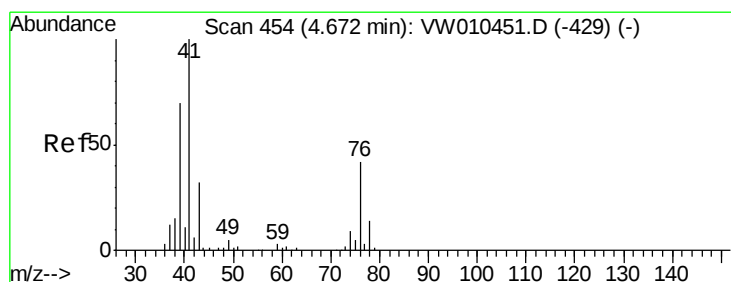
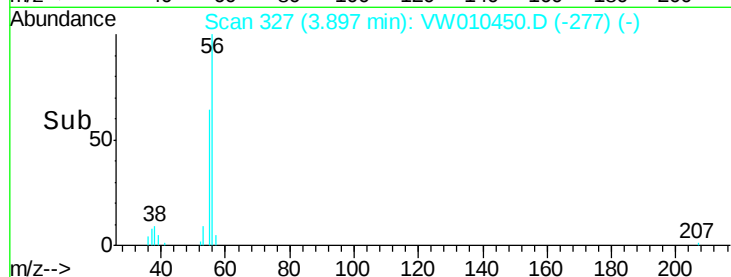
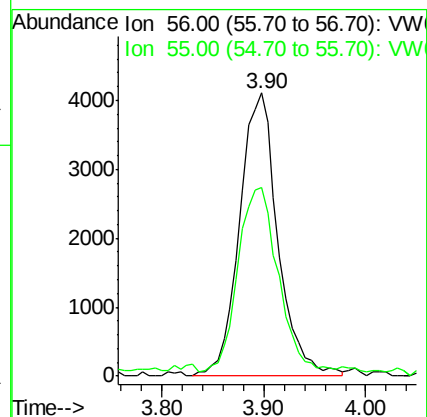
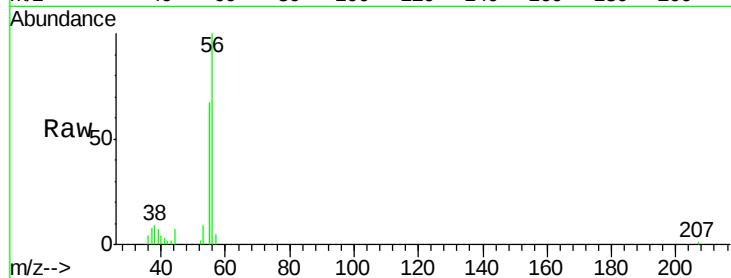
55 67.4 57.9 86.9

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#14

Allyl chloride

Concen: 18.662 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

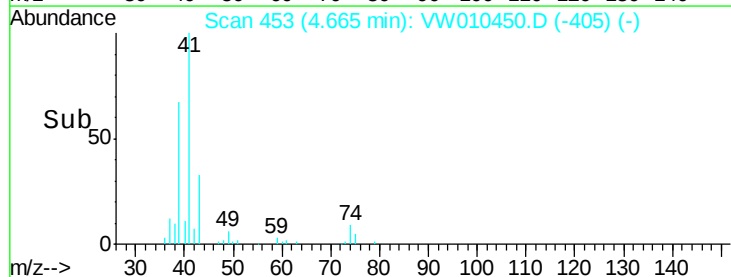
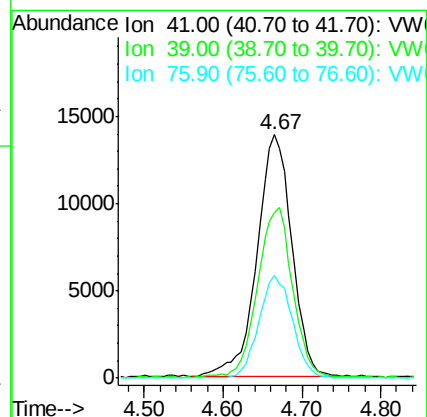
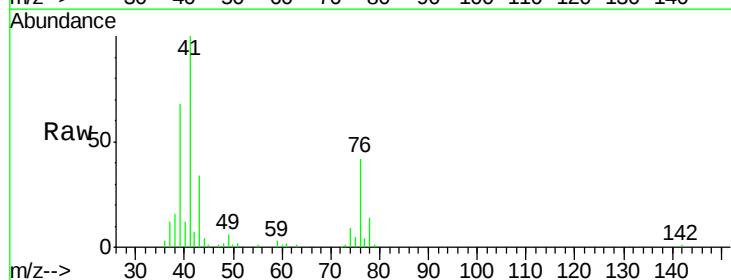
Tgt Ion: 41 Resp: 42524

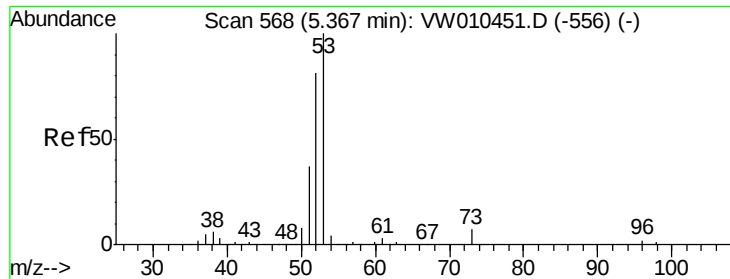
Ion Ratio Lower Upper

41 100

39 71.6 55.0 82.4

76 40.8 32.8 49.2





#15

Acrylonitrile

Concen: 93.034 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

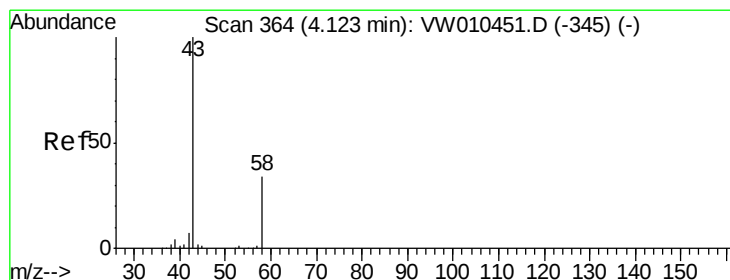
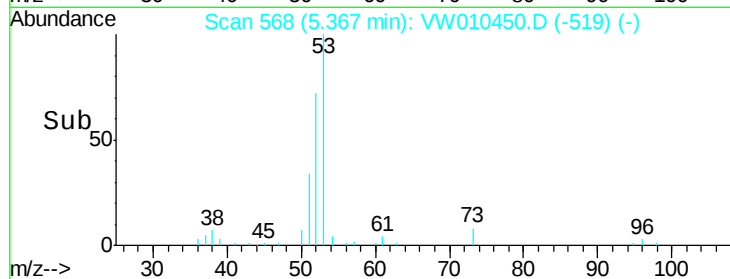
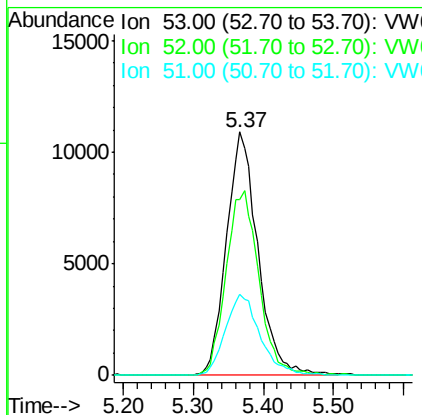
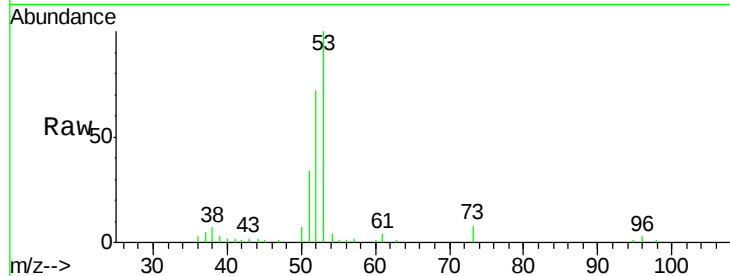
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	34067
Ion	Ratio	Lower	Upper
53	100		
52	78.7	65.6	98.4
51	36.8	29.5	44.3

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#16

Acetone

Concen: 99.509 ug/l

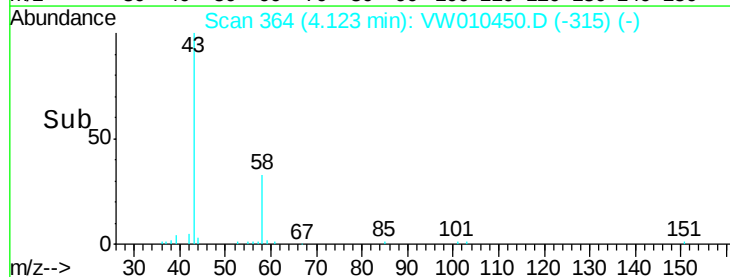
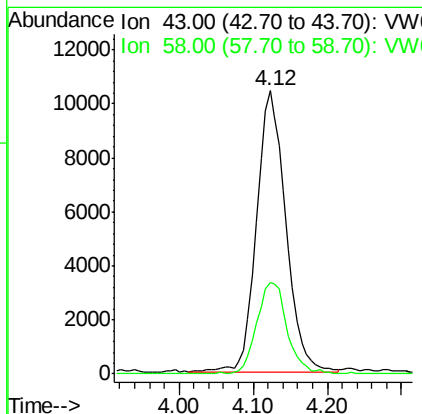
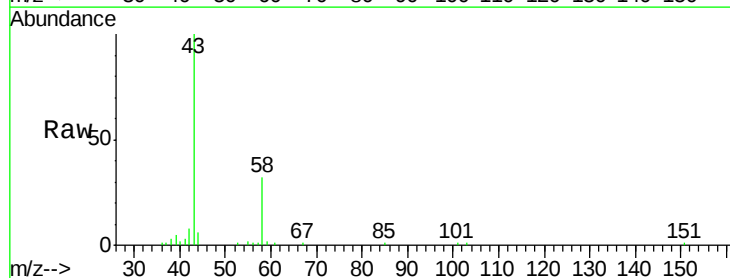
RT: 4.12 min Scan# 364

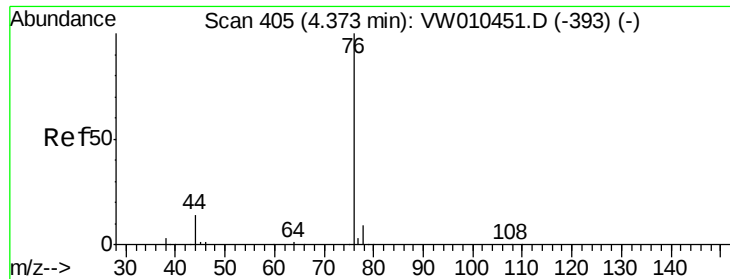
Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Tgt Ion:	43	Resp:	28926
Ion	Ratio	Lower	Upper
43	100		
58	32.5	27.0	40.4





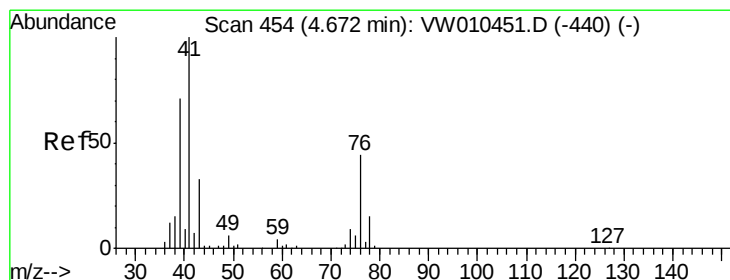
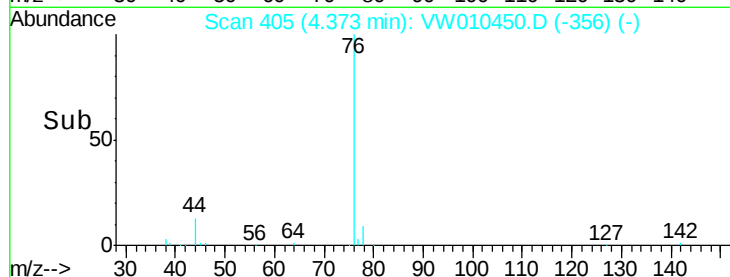
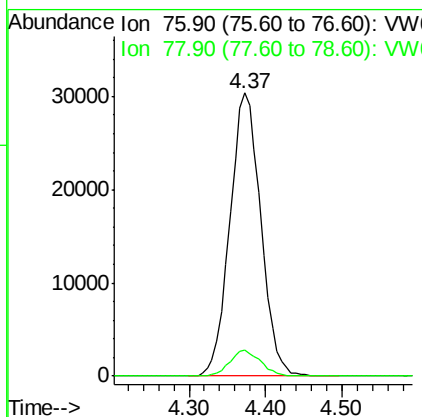
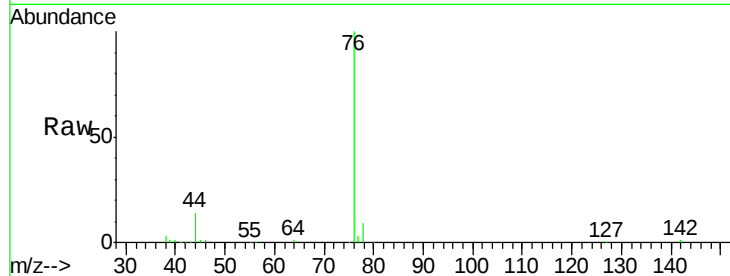
#17
Carbon Disulfide
Concen: 19.630 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 84720
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

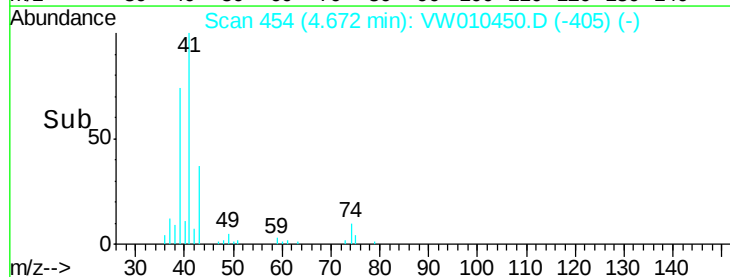
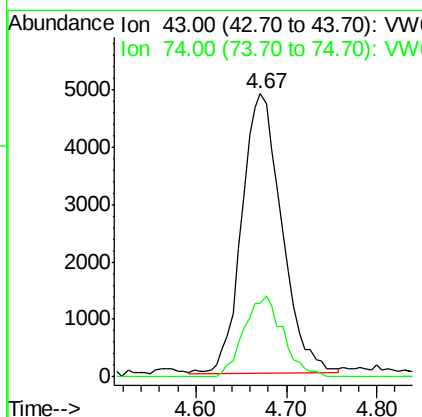
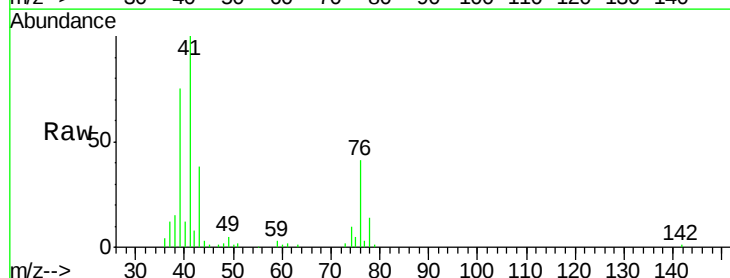
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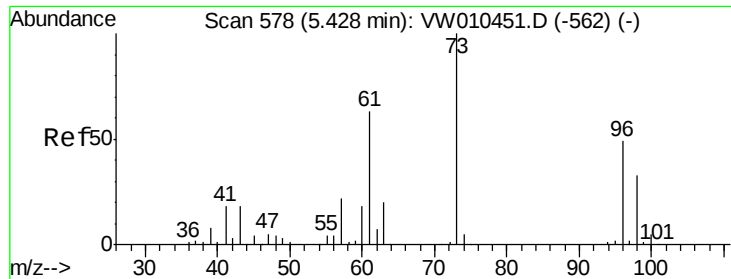
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#18
Methyl Acetate
Concen: 17.169 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion: 43 Resp: 14888
Ion Ratio Lower Upper
43 100
74 28.0 21.6 32.4





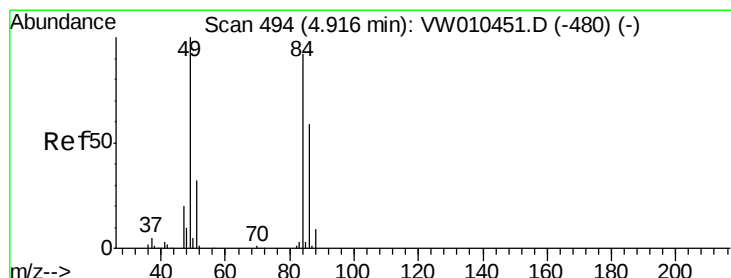
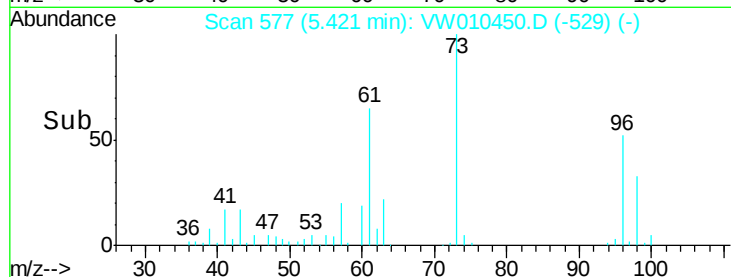
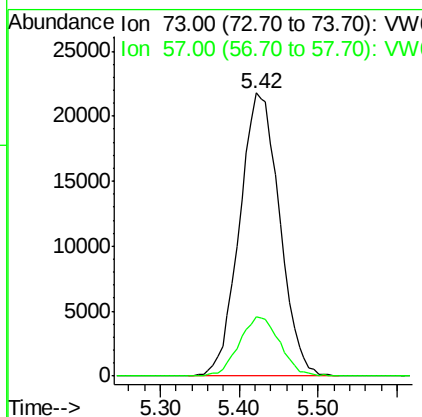
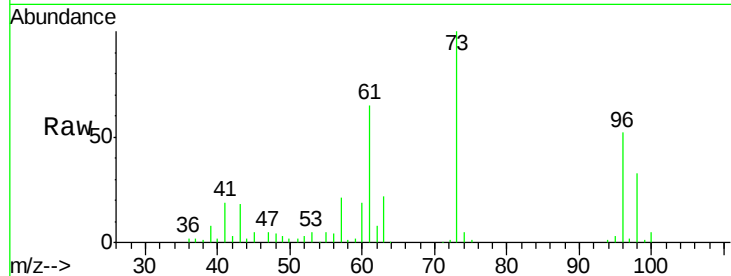
#19
Methyl tert-butyl Ether
Concen: 18.442 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC020

Tot Ion: 73 Resp: 76839
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.0

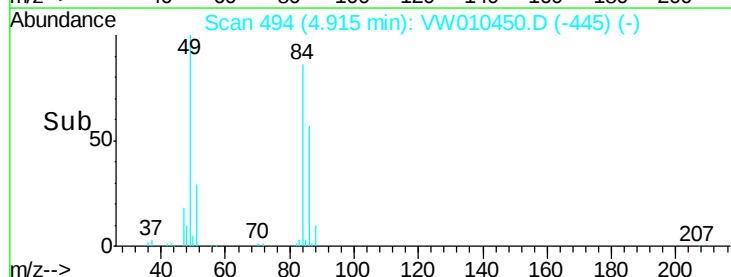
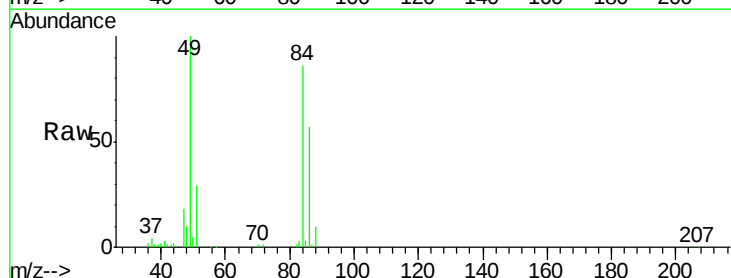
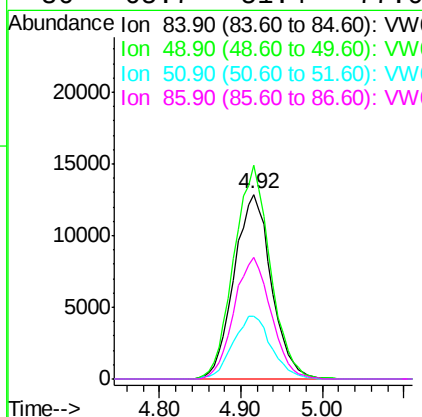
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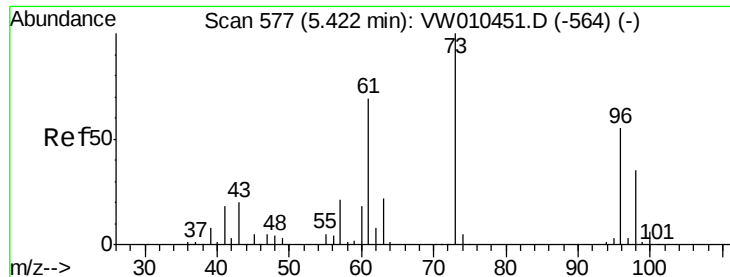
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#20
Methylene Chloride
Concen: 23.275 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion: 84 Resp: 40885
Ion Ratio Lower Upper
84 100
49 115.9 87.2 130.8
51 34.0 27.7 41.5
86 65.7 51.4 77.0





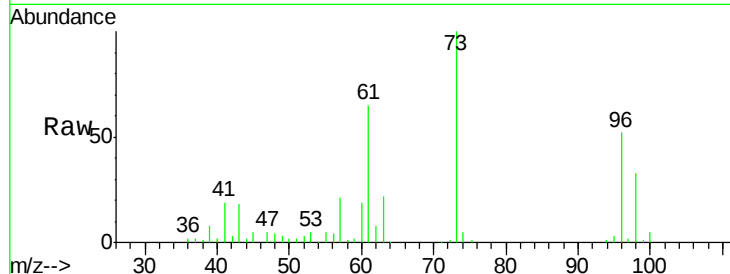
#21
trans-1,2-Dichloroethene
Concen: 19.680 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

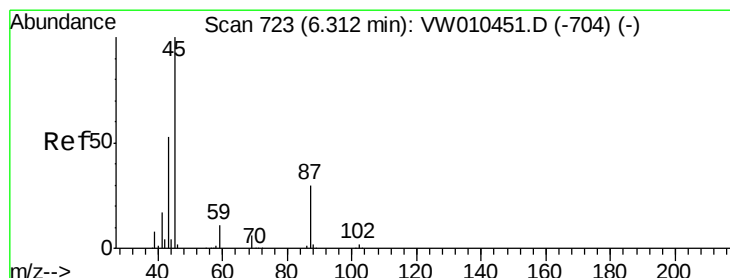
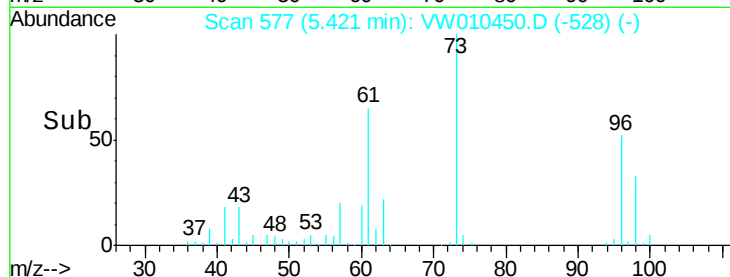
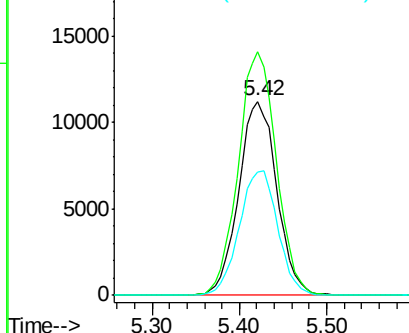
Tot Ion	Ratio	Lower	Upper
96	100		
61	125.5	101.4	152.0
98	63.3	50.6	76.0

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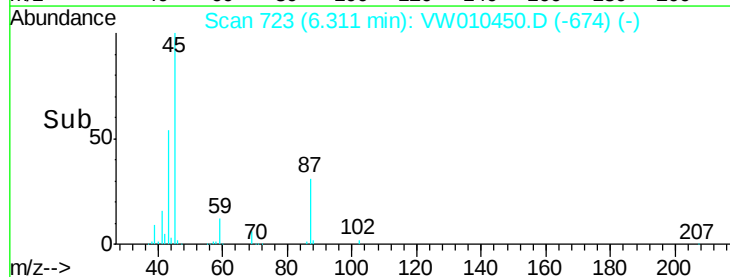
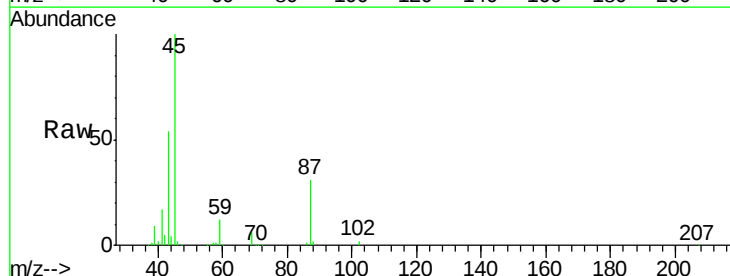
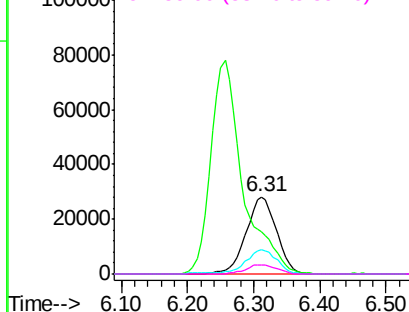
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW

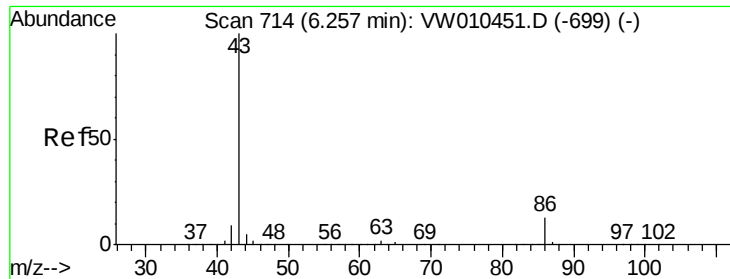


#22
Diisopropyl ether
Concen: 18.629 ug/l
RT: 6.31 min Scan# 723
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.5	42.9	64.3
87	31.0	24.6	36.8
59	12.3	9.4	14.0

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 87.625 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 261208

Ion Ratio Lower Upper

43 100

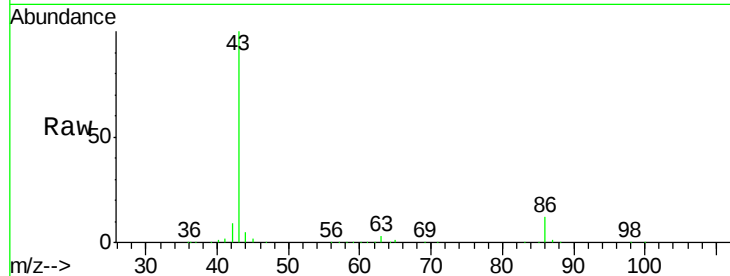
86 12.1 10.3 15.5

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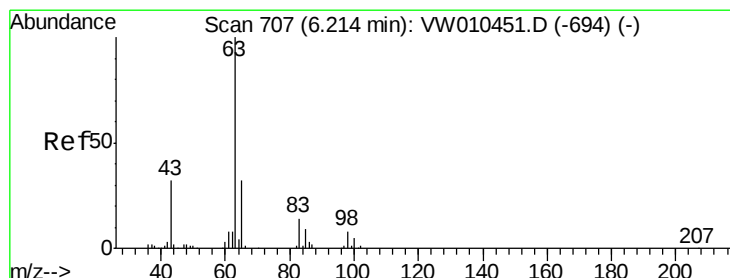
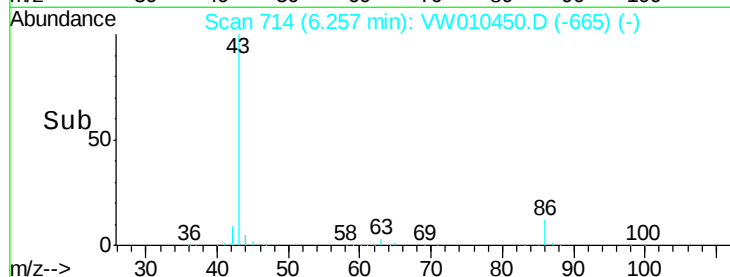
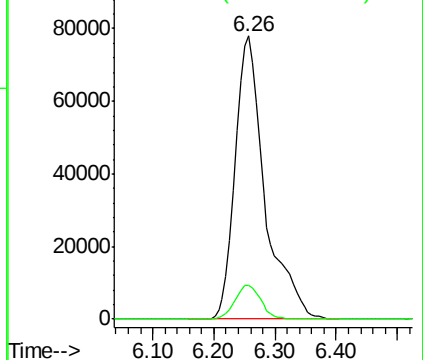
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 18.915 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

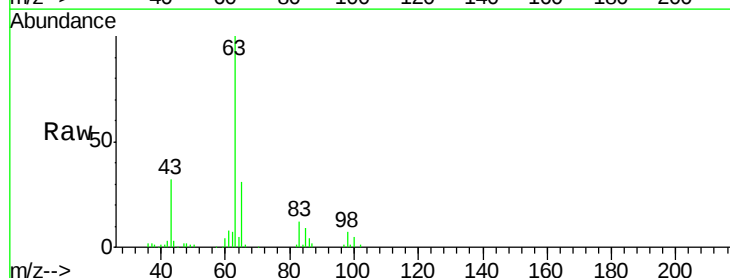
Tgt Ion: 63 Resp: 53275

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.2

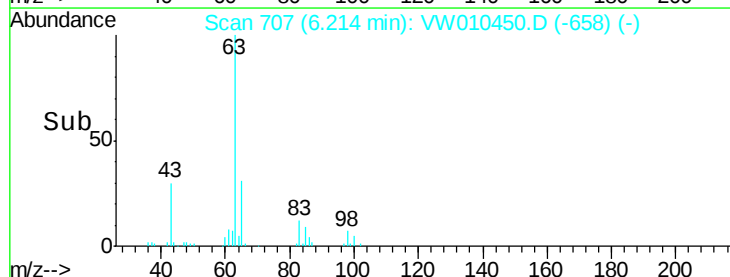
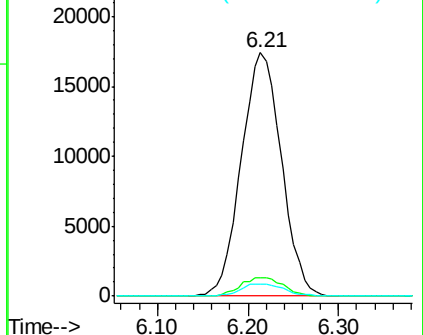
100 5.0 2.5 7.4

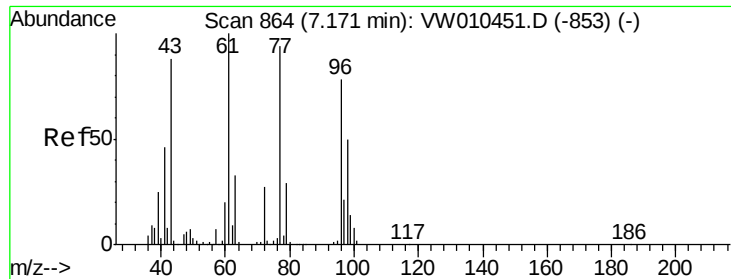


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 90.249 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 42750

Ion Ratio Lower Upper

43 100

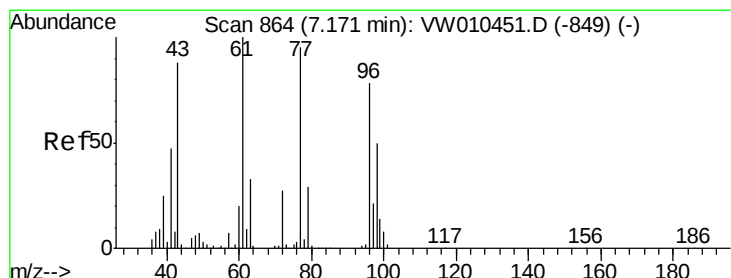
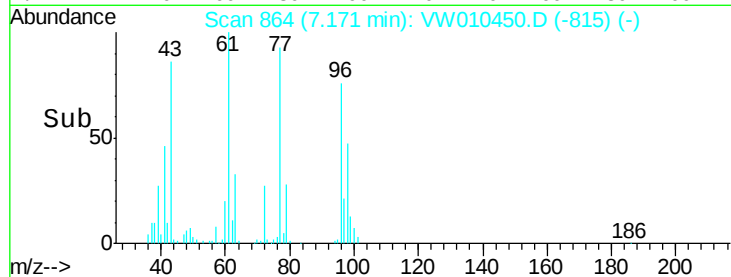
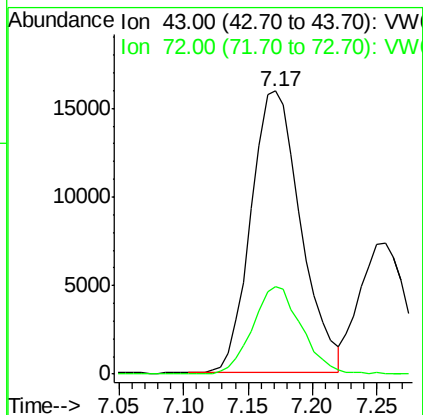
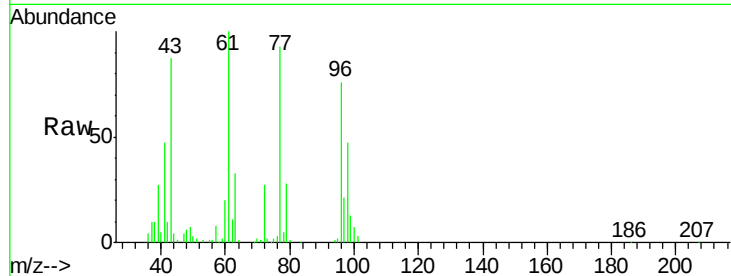
72 31.2 24.1 36.1

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#26

2,2-Dichloropropane

Concen: 19.906 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010450.D

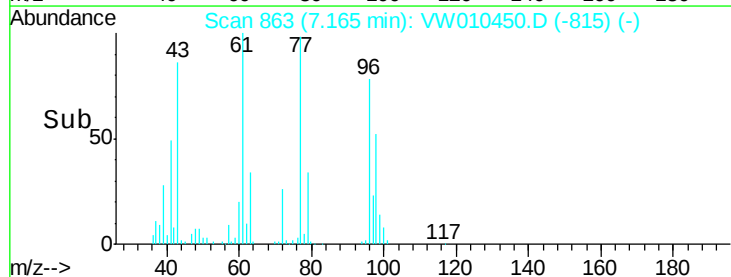
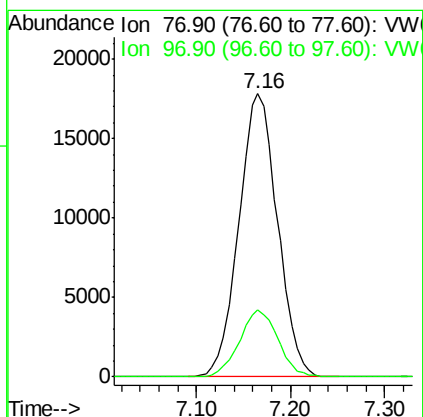
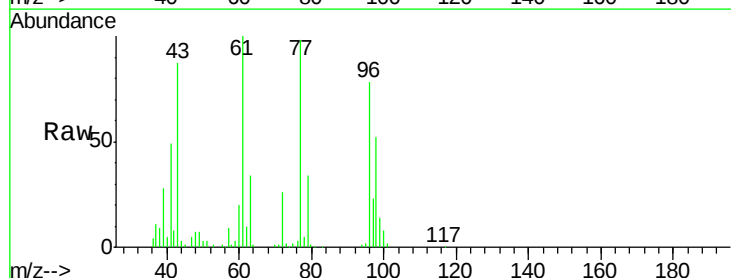
Acq: 20 May 2019 16:02

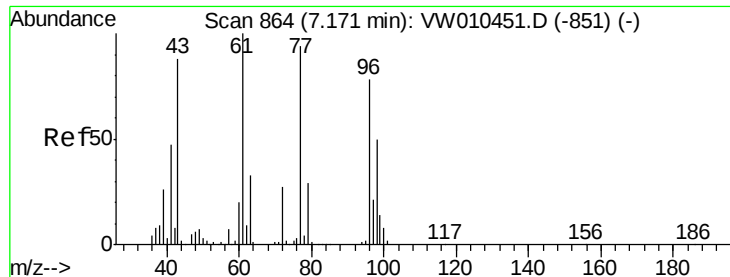
Tgt Ion: 77 Resp: 51065

Ion Ratio Lower Upper

77 100

97 23.6 11.7 35.0





#27

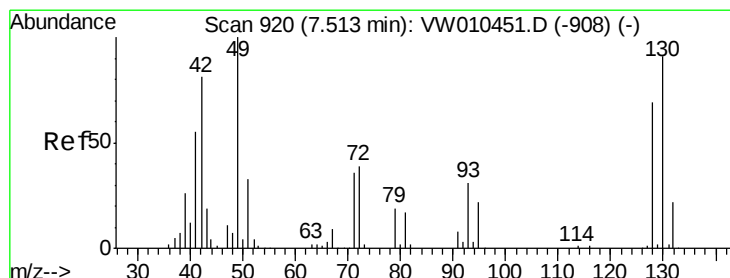
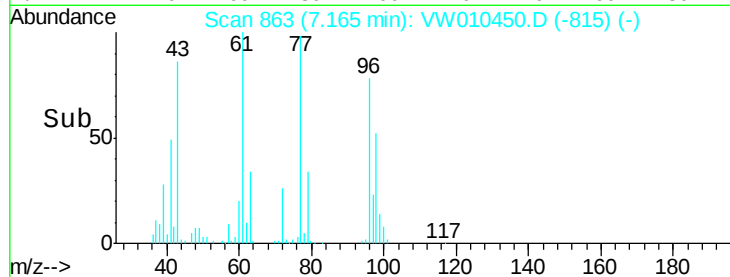
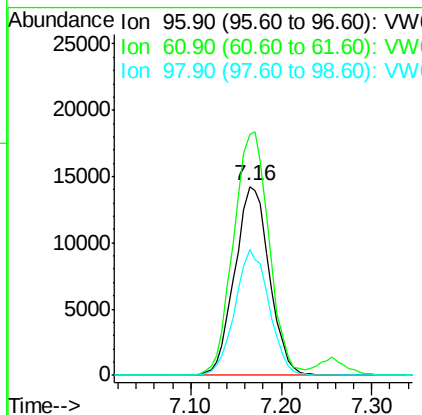
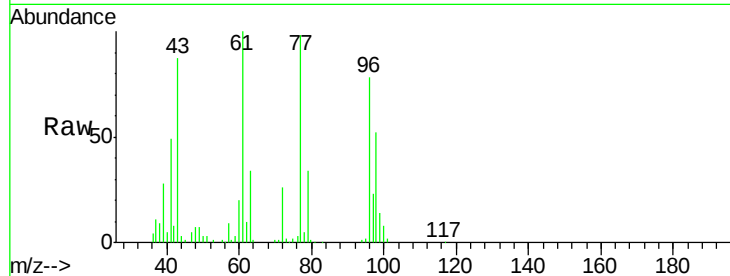
cis-1,2-Dichloroethene
 Concen: 19.564 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW010450.D
 Acq: 20 May 2019 16:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.3	0.0	265.4
98	65.2	0.0	129.4

Manual Integrations
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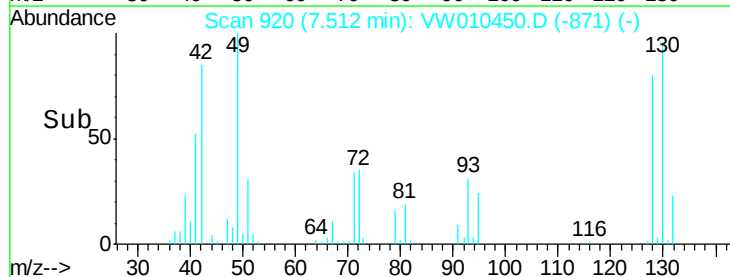
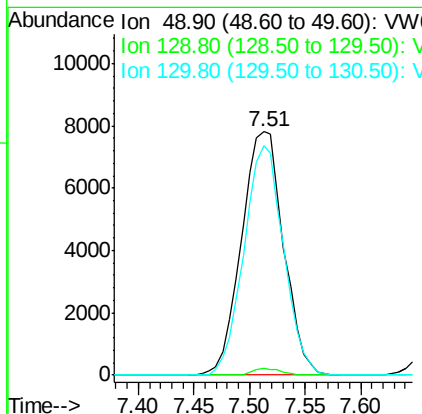
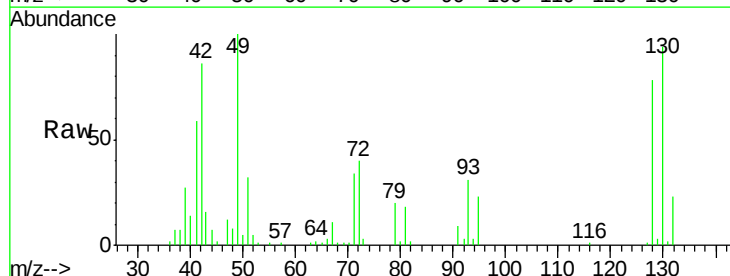
MMDadoda
 5/21/2019 11:28:40 AM

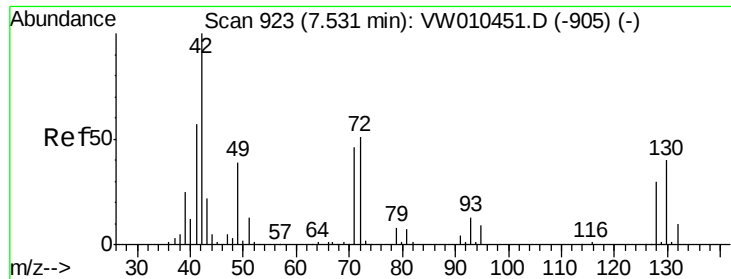


#28

Bromochloromethane
 Concen: 19.792 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW010450.D
 Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.8
130	89.1	71.2	106.8





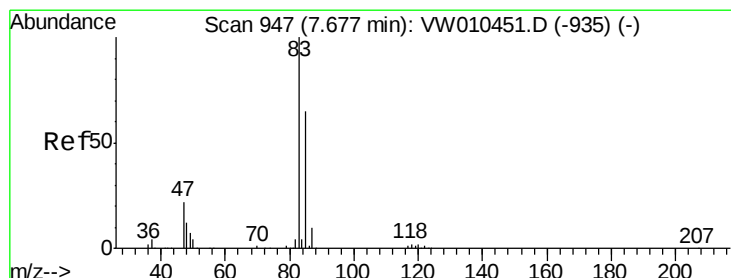
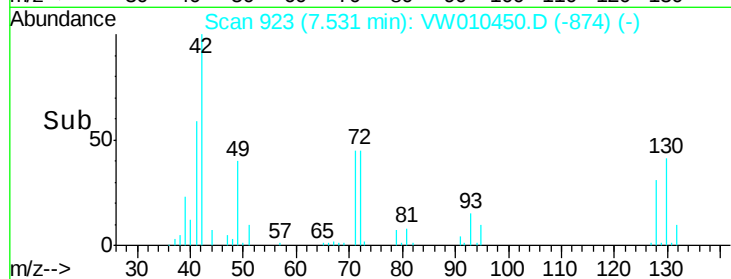
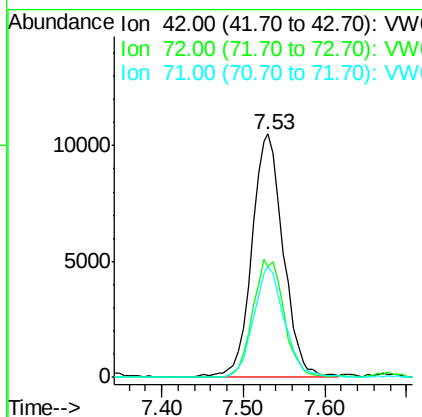
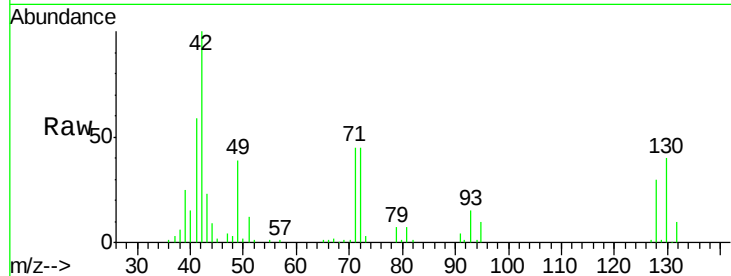
#29
Tetrahydrofuran
Concen: 88.079 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	38.5	57.7
71	44.7	36.5	54.7

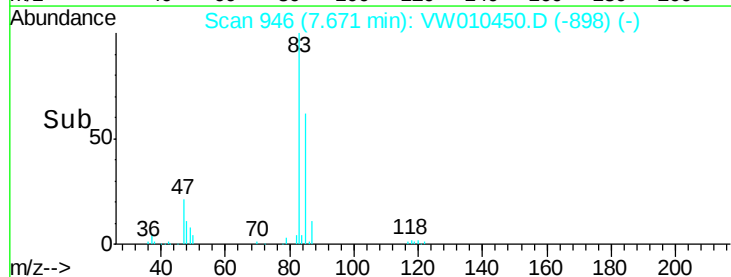
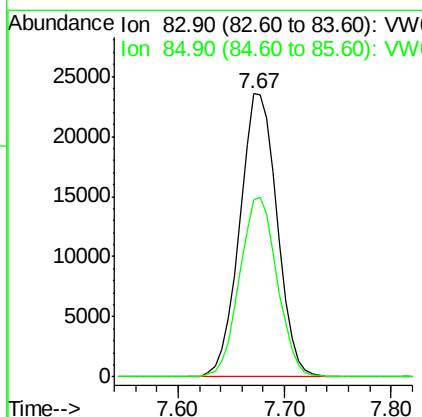
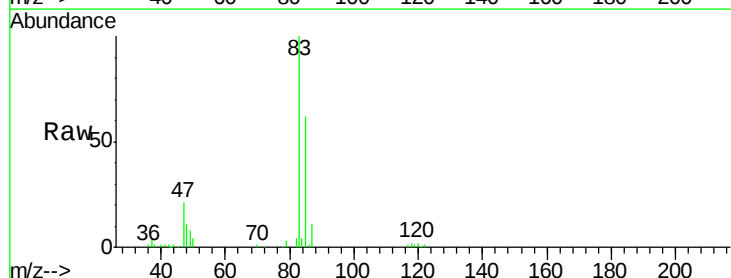
Manual Integrations
APPROVED

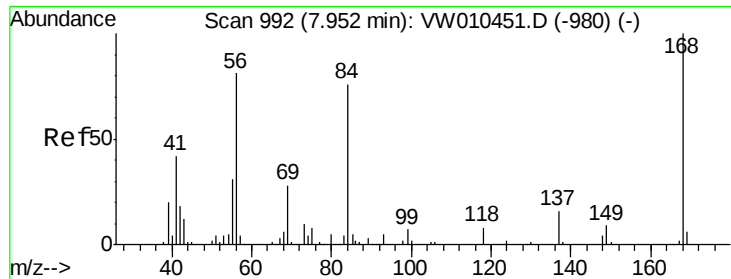
MMDadoda
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#30
Chloroform
Concen: 19.616 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.2	78.4





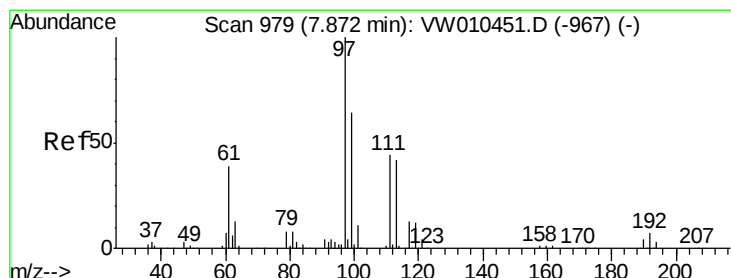
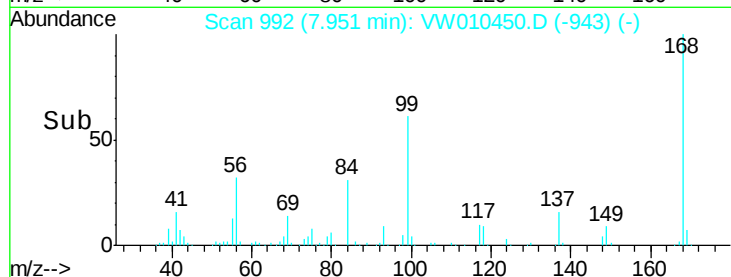
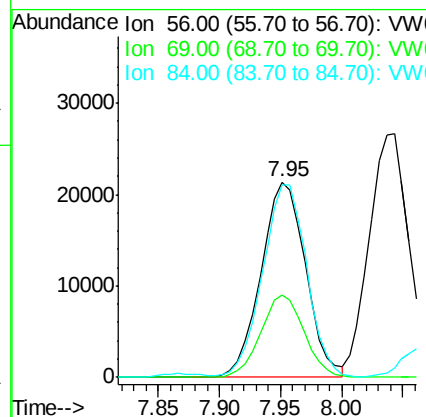
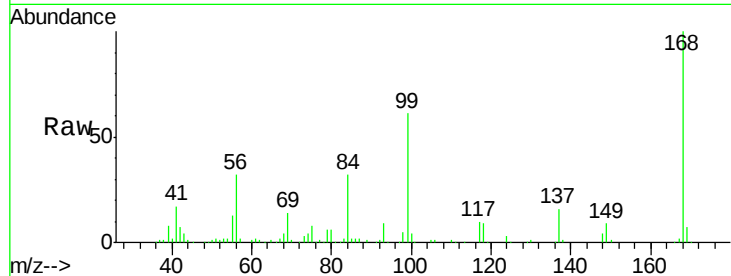
#31
Cyclohexane
Concen: 19.128 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.2	28.2	42.2
84	97.0	75.8	113.8

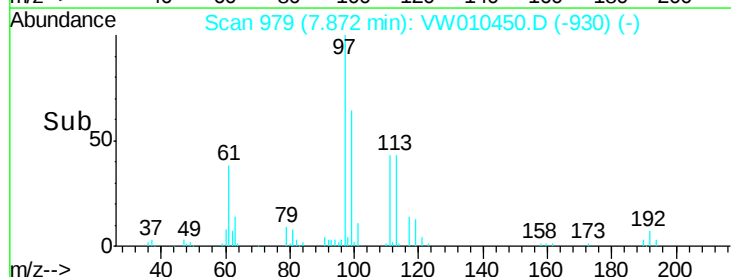
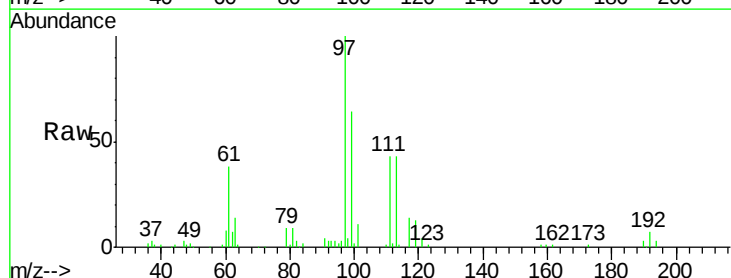
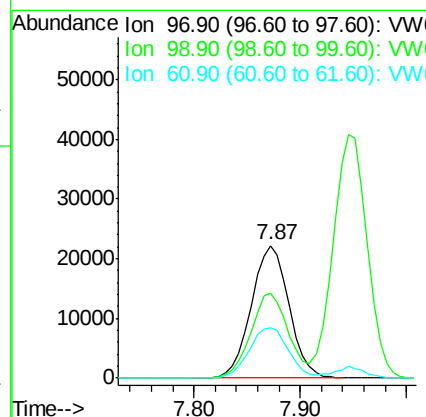
Manual Integrations
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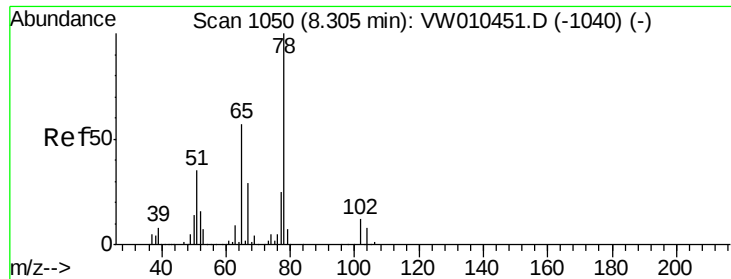
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.647 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.8	76.2
61	39.7	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 19.099 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 30134

Ion Ratio Lower Upper

65 100

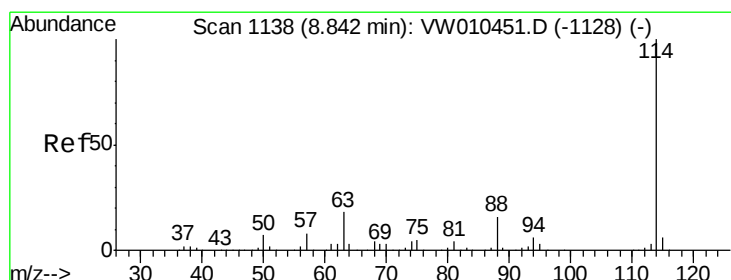
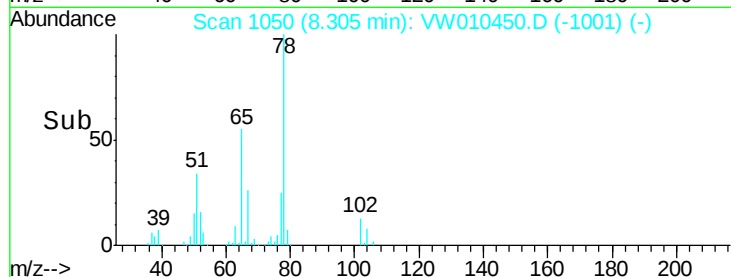
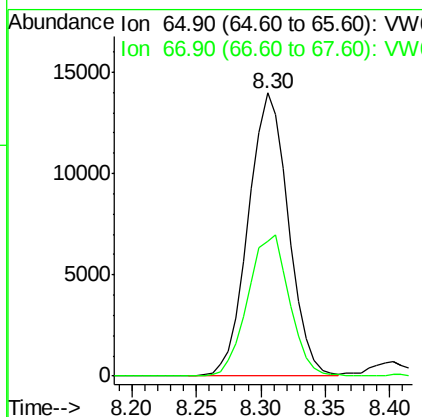
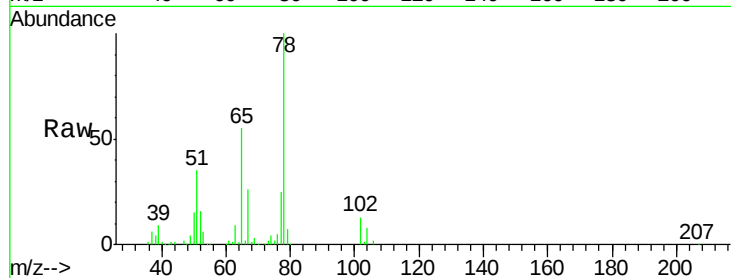
67 51.5 0.0 103.6

Manual Integrations

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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: VW010450.D

Acq: 20 May 2019 16:02

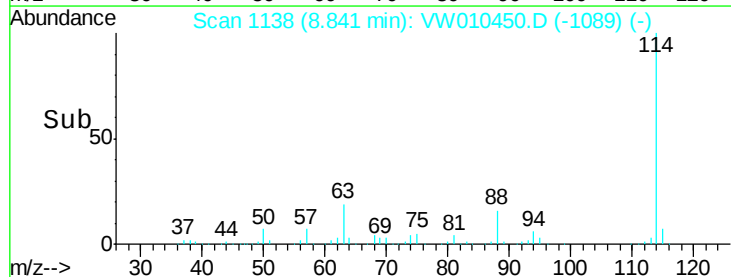
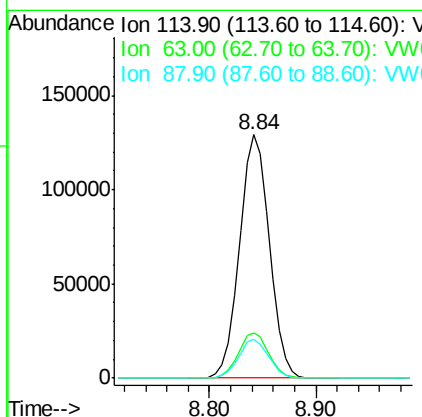
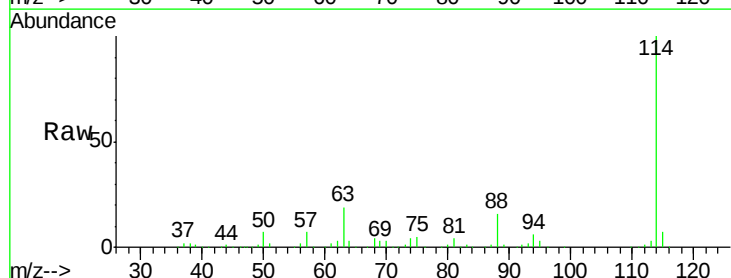
Tgt Ion: 114 Resp: 254196

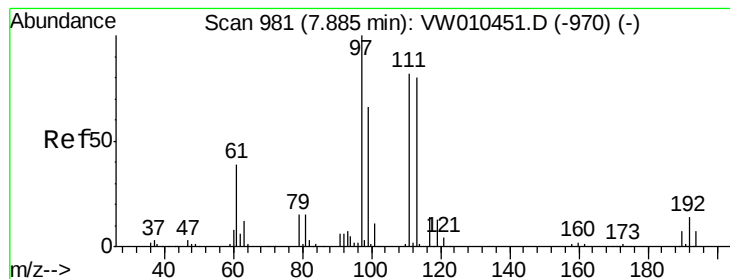
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.0

88 16.0 0.0 32.0





#35

Dibromofluoromethane

Concen: 19.491 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:113 Resp: 30371

Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

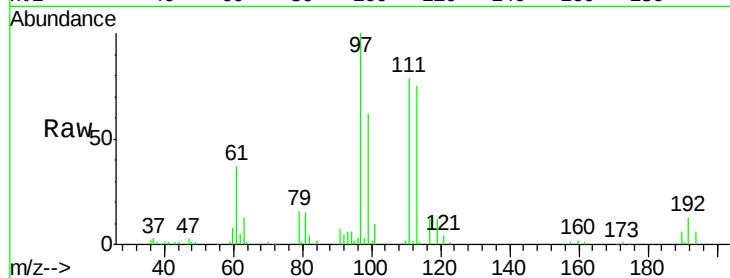
192 18.0 14.3 21.5

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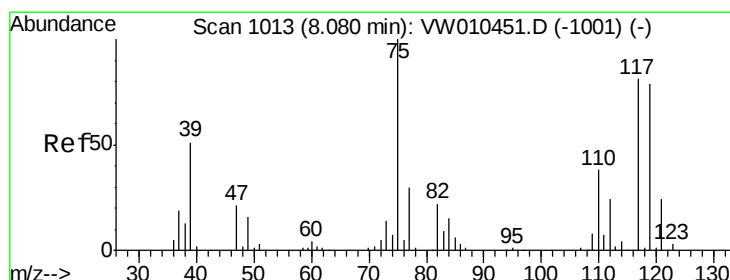
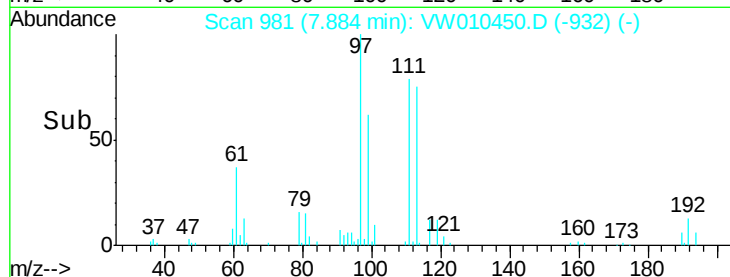
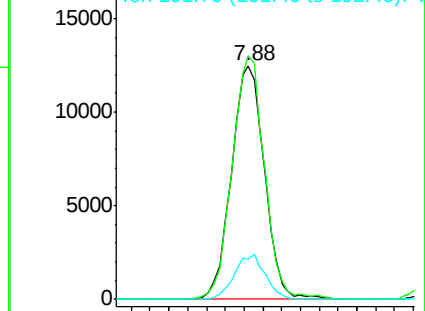
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.297 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

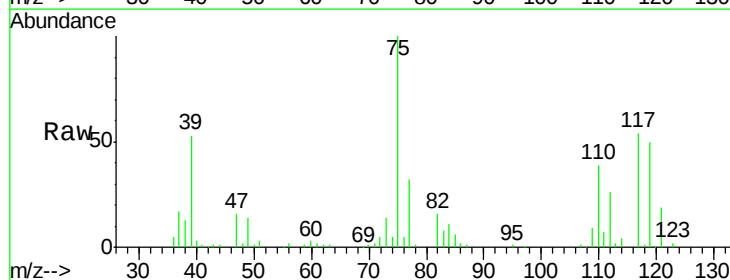
Tgt Ion: 75 Resp: 46466

Ion Ratio Lower Upper

75 100

110 37.3 19.2 57.6

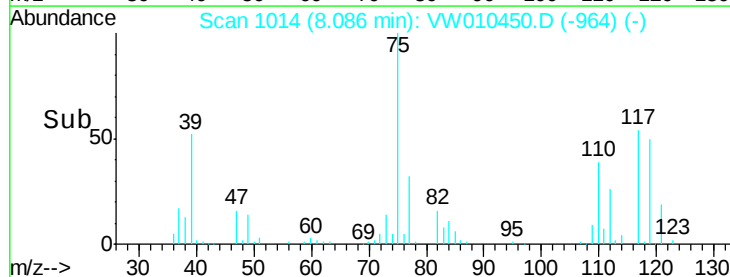
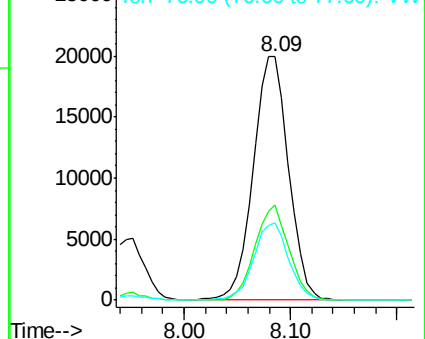
77 31.4 25.2 37.8

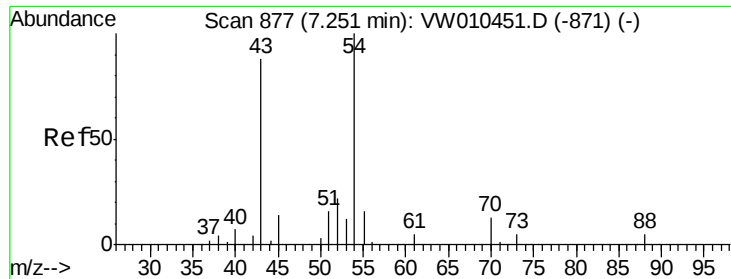


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





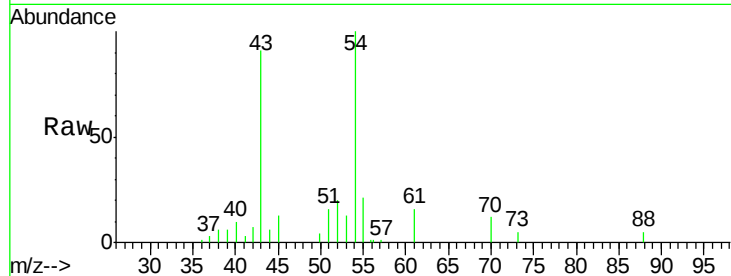
#37
Ethyl Acetate
Concen: 17.790 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.2	16.8
70	13.4	9.9	14.9

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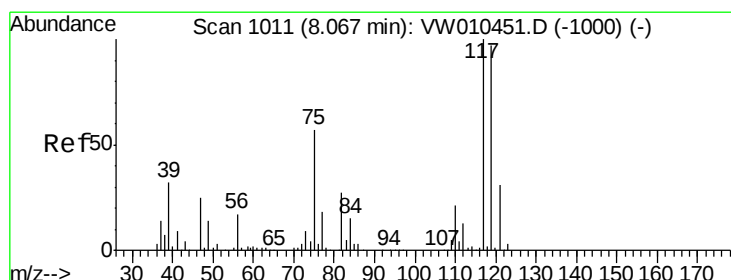
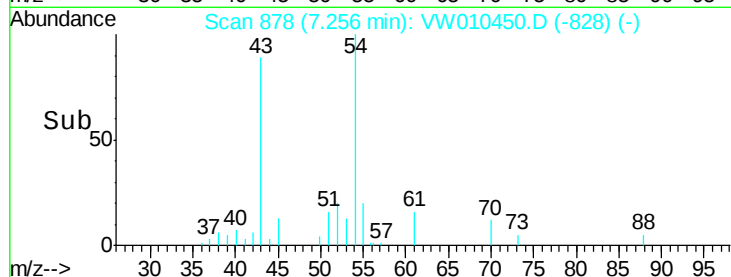
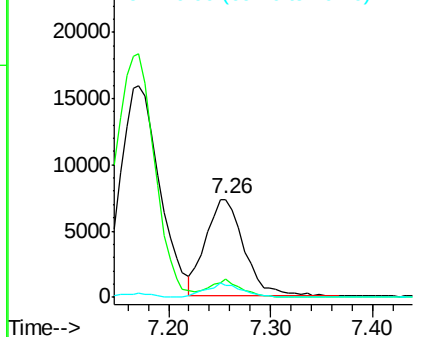


Abundance

Ion 43.00 (42.70 to 43.70): VW

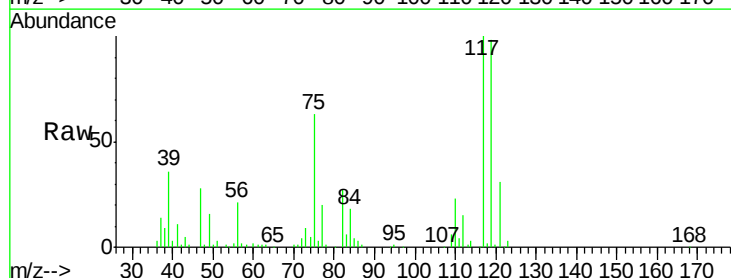
Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38
Carbon Tetrachloride
Concen: 20.001 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.4	116.0
121	30.8	25.0	37.6

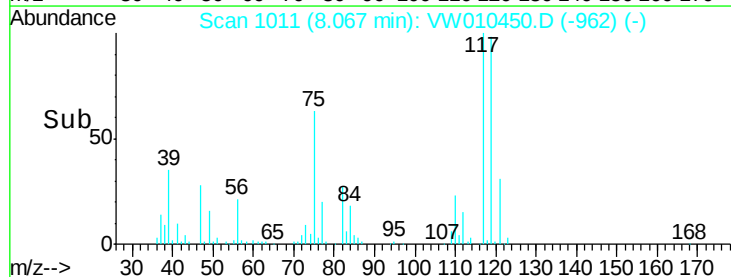
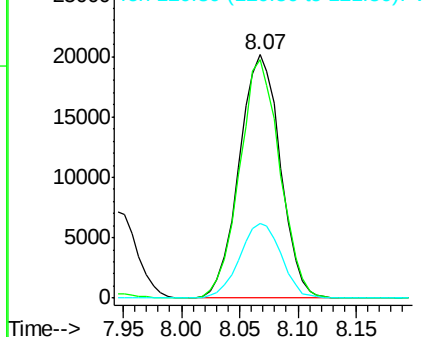


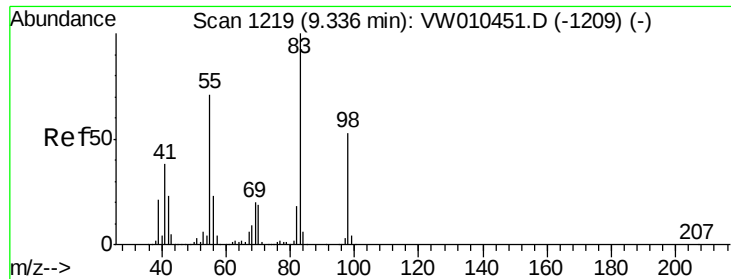
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





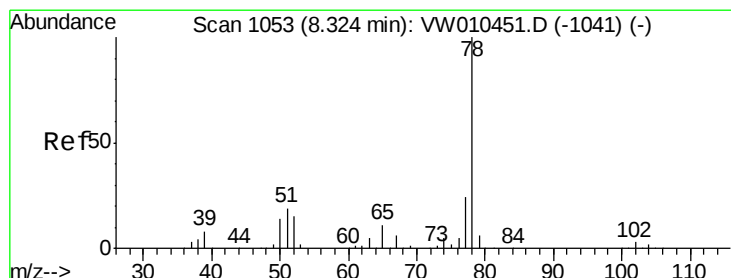
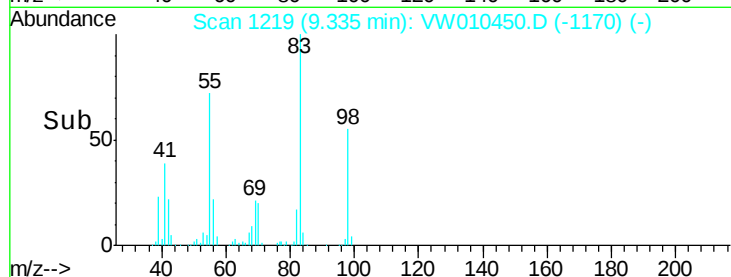
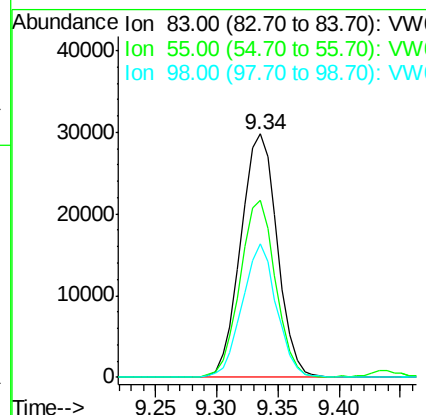
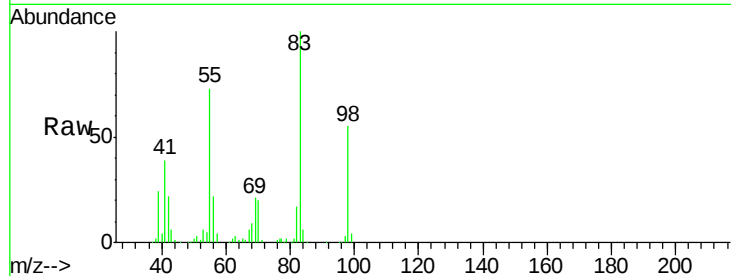
#39
Methvlcvclohexane
Concen: 20.101 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	61643
Ion Ratio	Lower	Upper	
83	100		
55	72.3	57.0	85.6
98	54.8	42.0	63.0

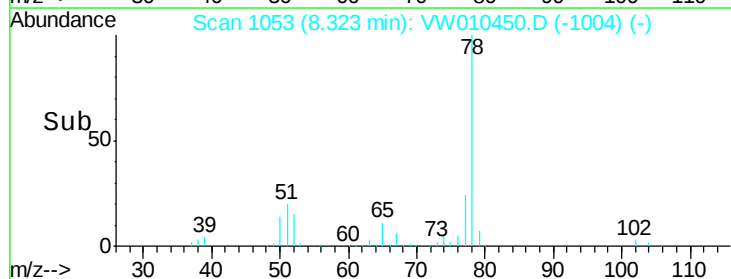
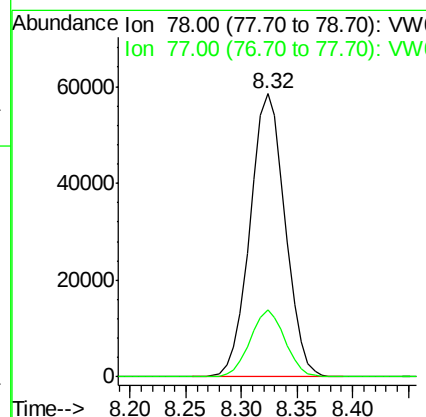
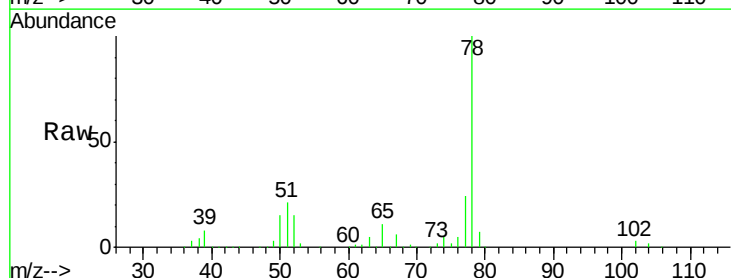
Manual Integrations
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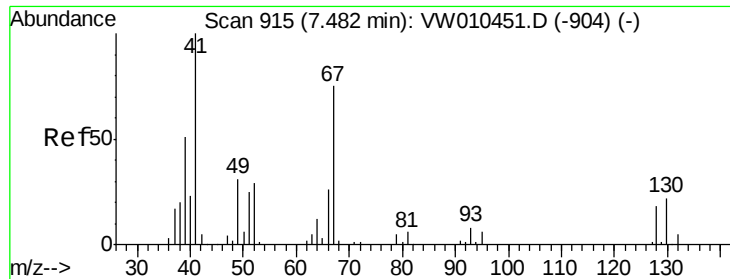
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#40
Benzene
Concen: 19.730 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	78	Resp	128519
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.9	28.3





#41

Methacrylonitrile

Concen: 20.273 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

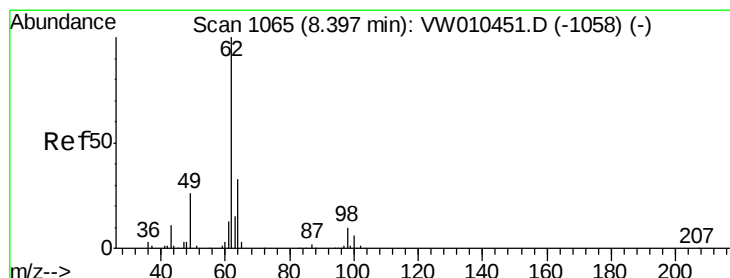
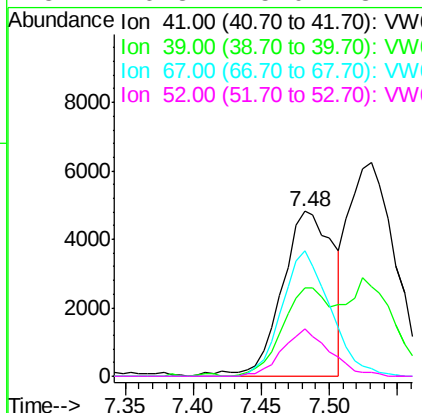
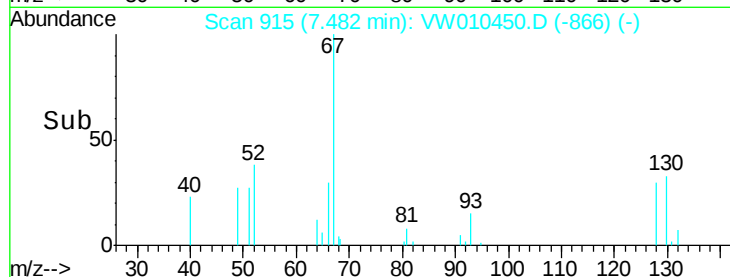
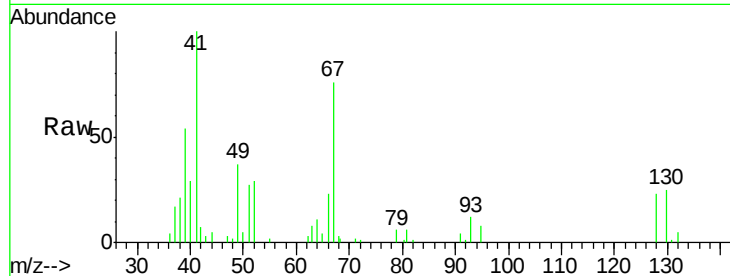
ClientSampleId :

VSTDIC020

Tot Ion:	41	Resp:	12640
Ion	Ratio	Lower	Upper
41	100		
39	53.5	47.4	71.2
67	71.5	65.5	98.3
52	26.3	25.0	37.4

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.095 ug/l

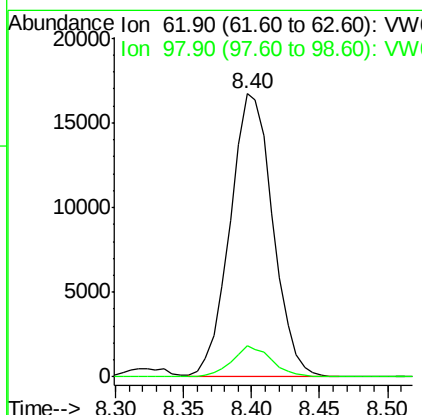
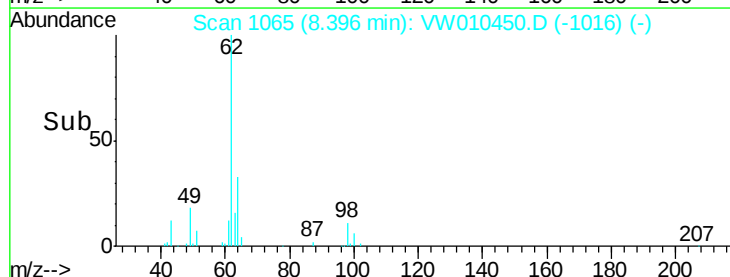
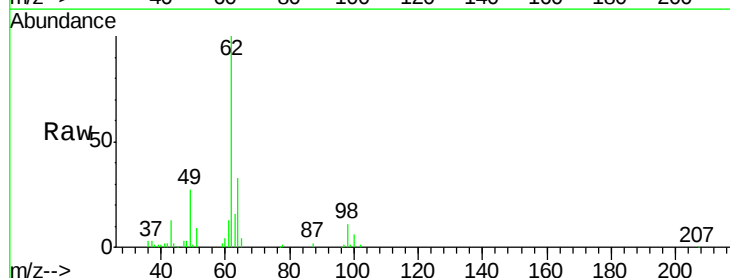
RT: 8.40 min Scan# 1065

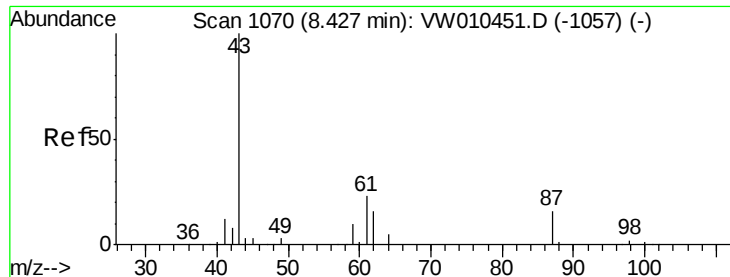
Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Tgt Ion:	62	Resp:	36661
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	21.0





#43

Isopropyl Acetate

Concen: 18.026 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

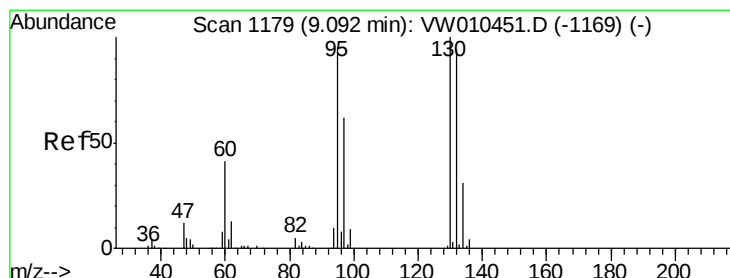
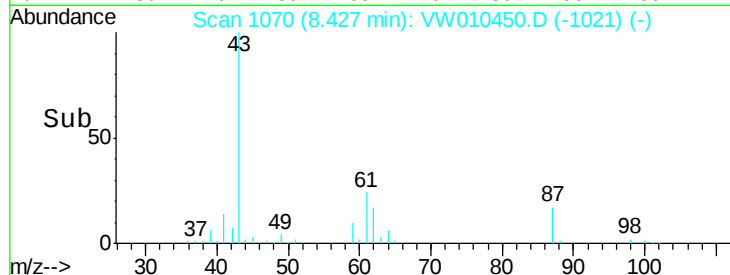
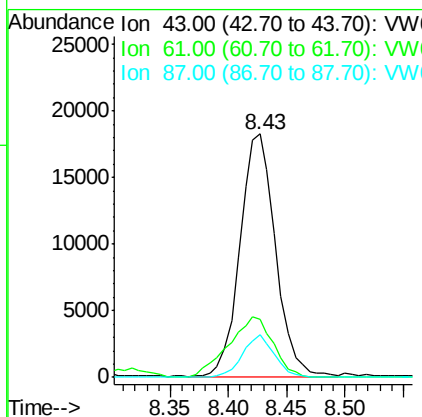
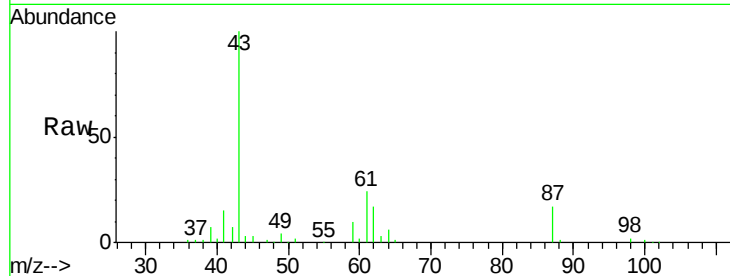
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	39052
Ion	Ratio	Lower	Upper
43	100		
61	31.0	25.4	38.2
87	15.5	12.7	19.1

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#44

Trichloroethene

Concen: 20.062 ug/l

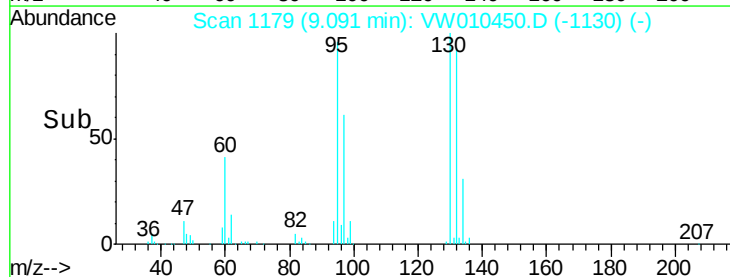
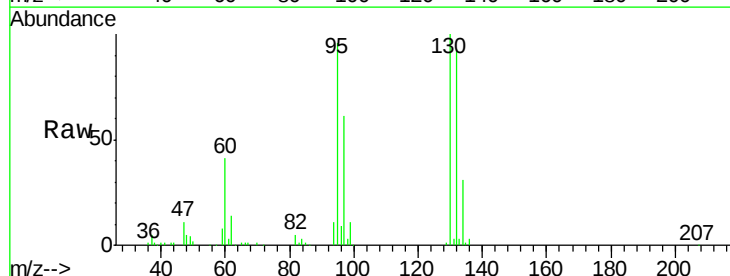
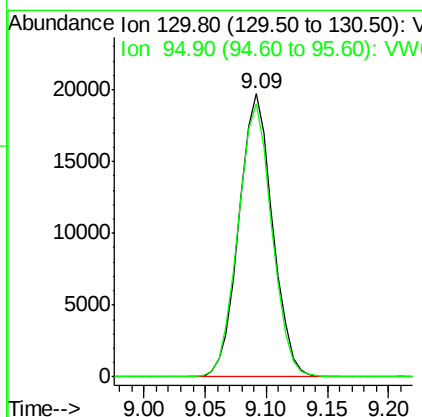
RT: 9.09 min Scan# 1179

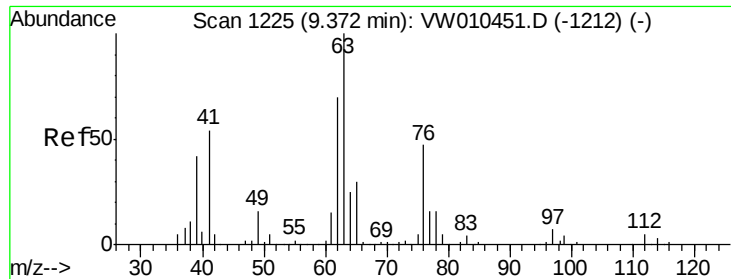
Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Tgt Ion:	130	Resp:	37579
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	189.6





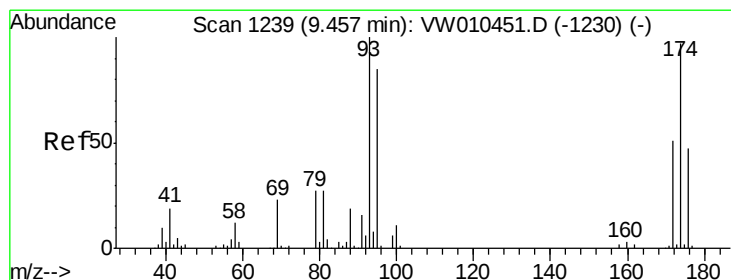
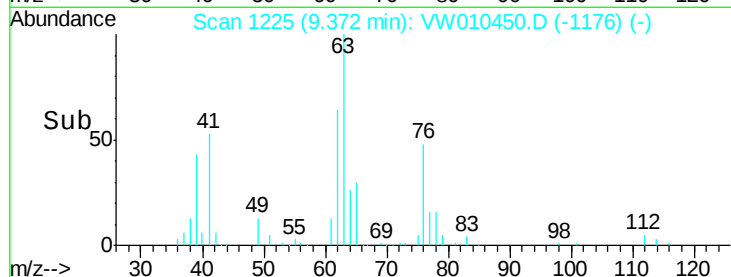
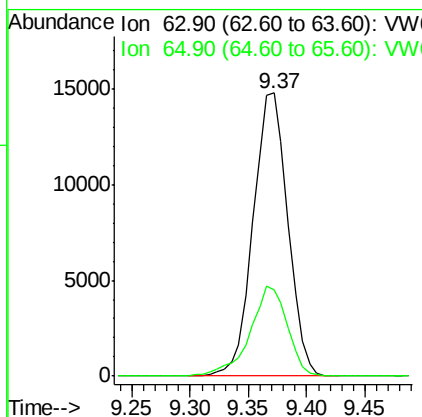
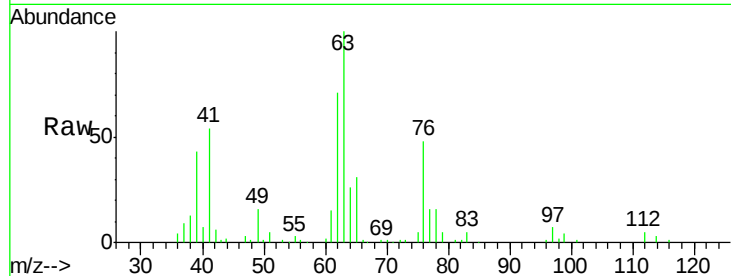
#45
 1,2-Dichloropropane
 Concen: 19.327 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW010450.D
 Acq: 20 May 2019 16:02

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 63 Resp: 30556
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.3 36.5

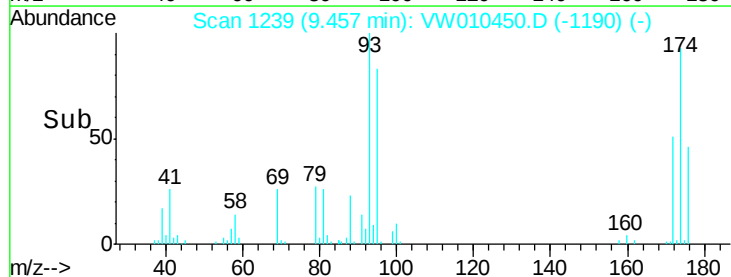
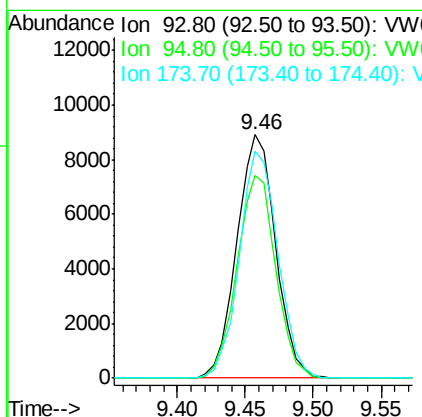
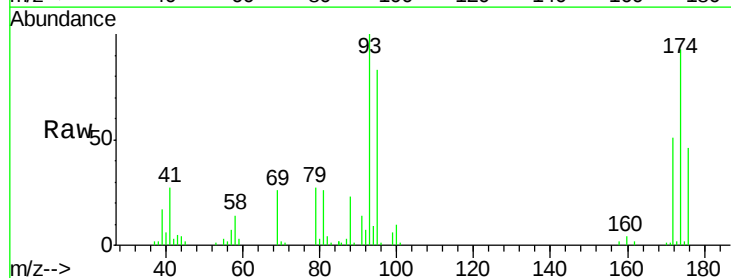
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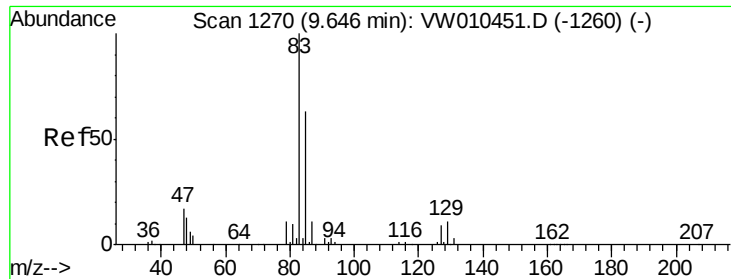
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#46
 Dibromomethane
 Concen: 19.055 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW010450.D
 Acq: 20 May 2019 16:02

Tgt Ion: 93 Resp: 17727
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.1 99.1
 174 93.0 77.1 115.7





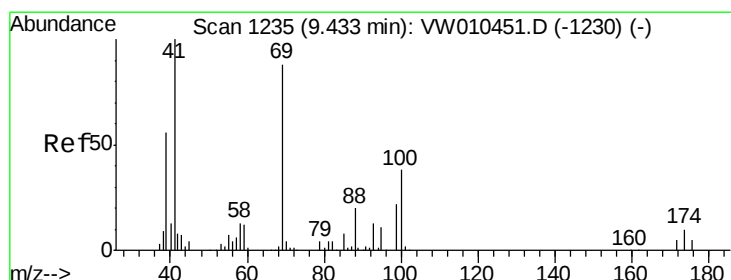
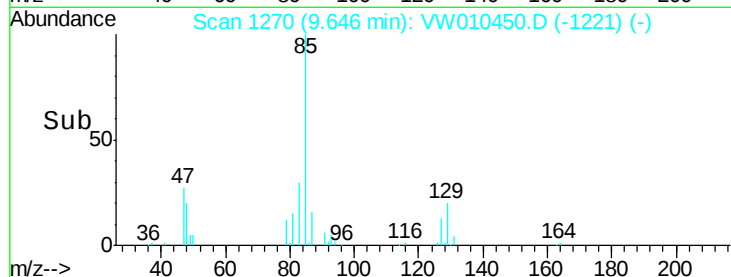
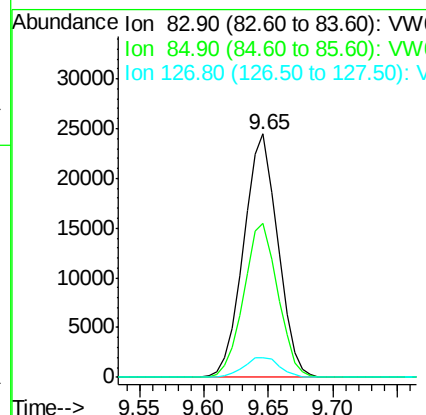
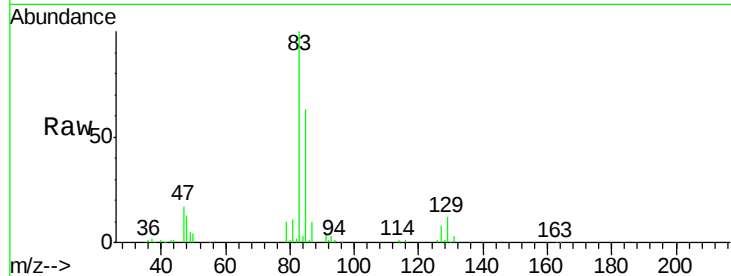
#47
Bromodichloromethane
Concen: 19.309 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	44844
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	50.4	75.6
127	8.3	7.4	11.0

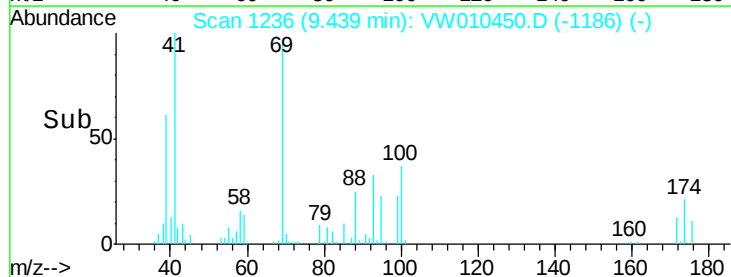
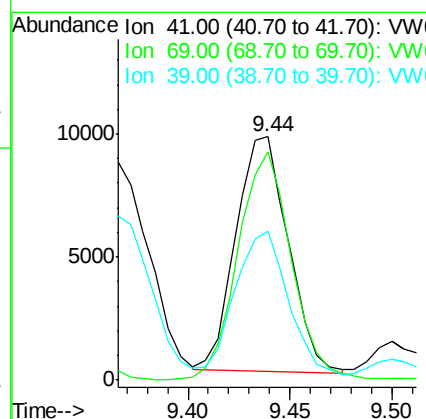
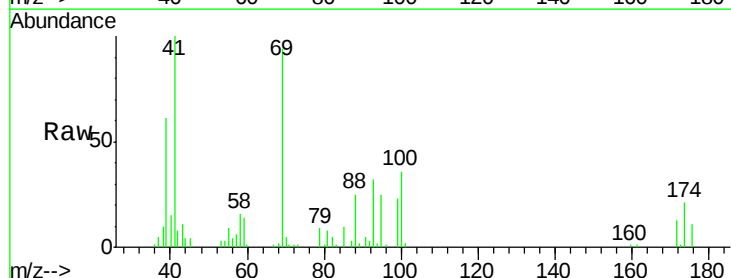
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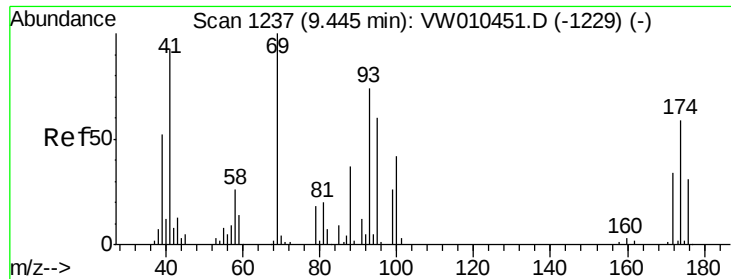
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#48
Methyl methacrylate
Concen: 16.923 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	41	Resp	16947
Ion Ratio	100	Lower	Upper
41	100		
69	100.2	77.6	116.4
39	61.5	49.8	74.8





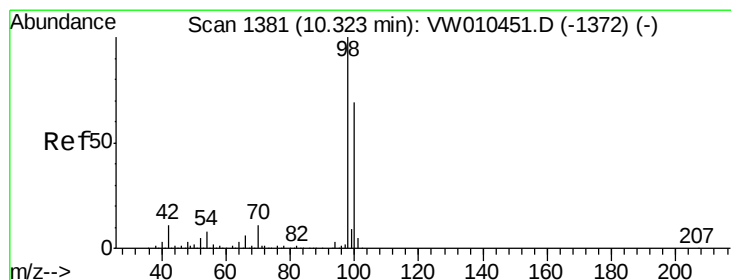
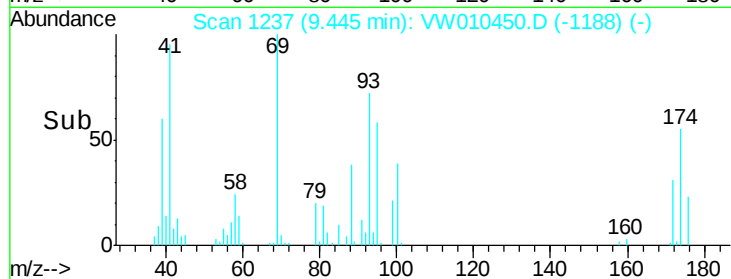
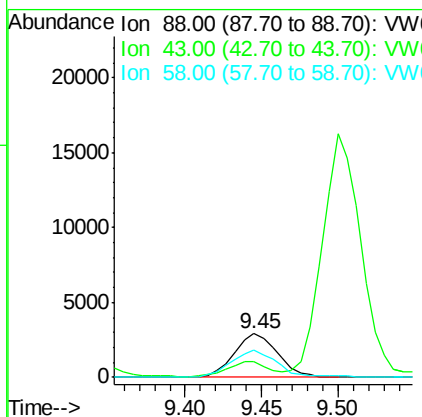
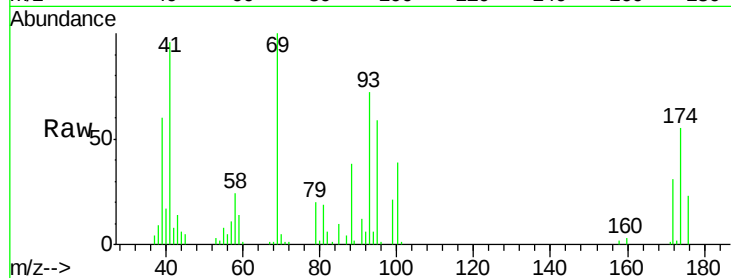
#49
1,4-Dioxane
Concen: 416.834 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	88	Resp	5740
Ion	Ratio	Lower	Upper
88	100		
43	33.4	25.9	38.9
58	65.2	52.7	79.1

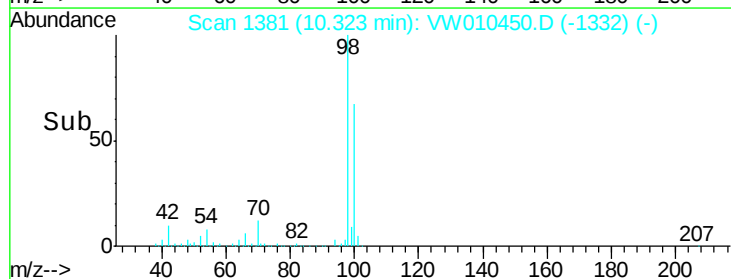
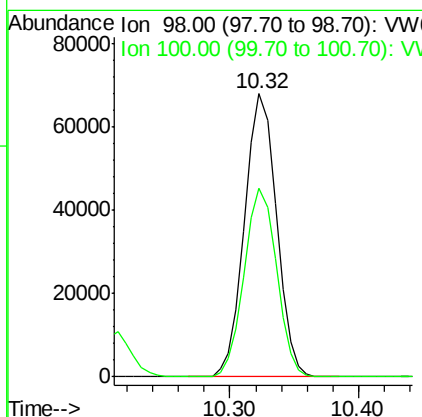
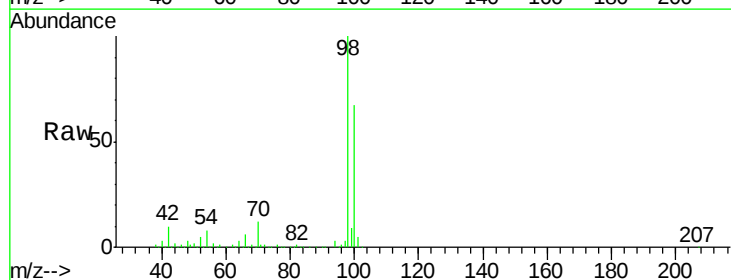
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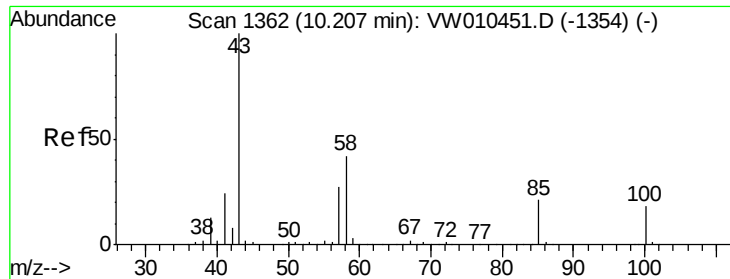
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#50
Toluene-d8
Concen: 20.101 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	98	Resp	117171
Ion	Ratio	Lower	Upper
98	100		
100	67.6	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 87.572 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 97181

Ion Ratio Lower Upper

43 100

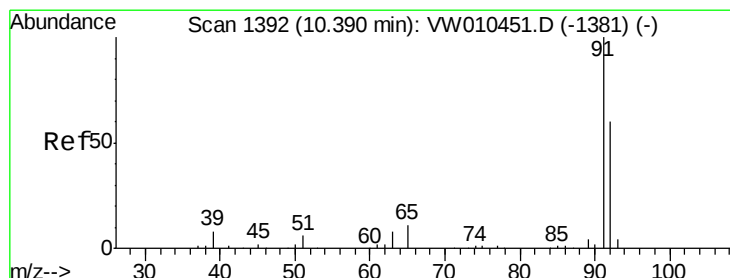
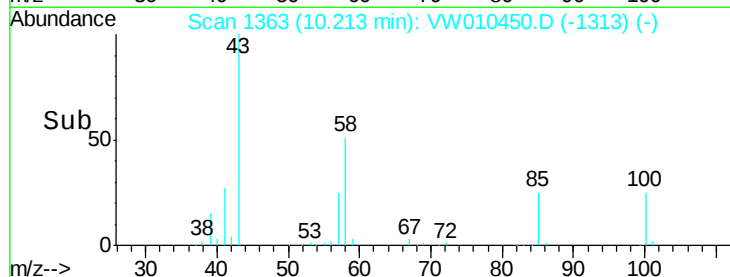
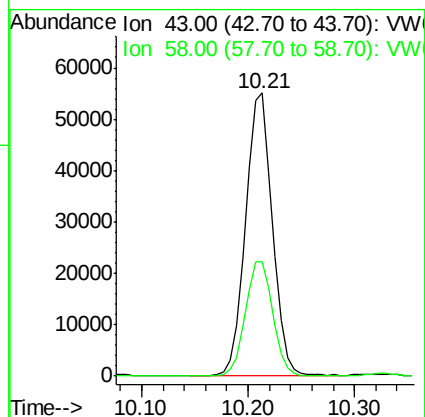
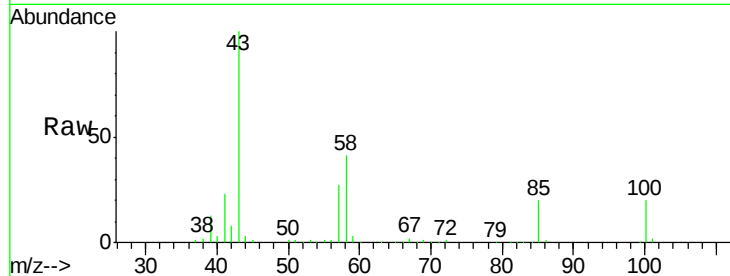
58 41.6 33.2 49.8

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#52

Toluene

Concen: 19.878 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010450.D

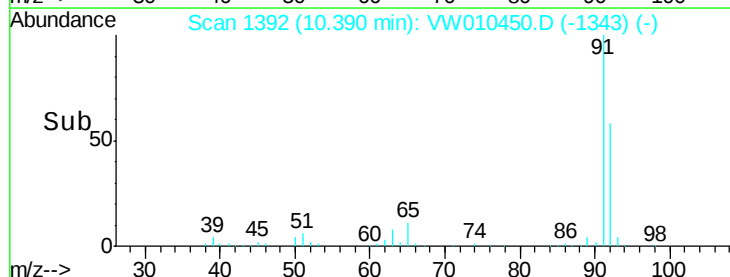
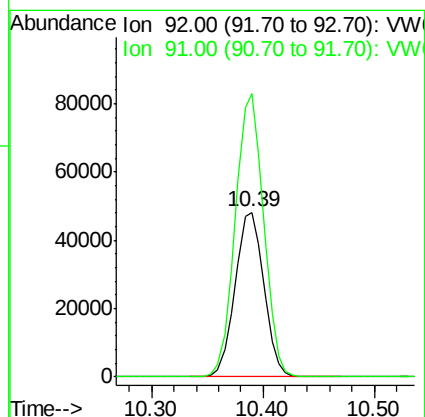
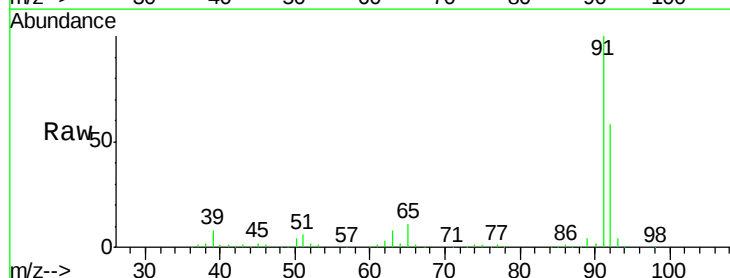
Acq: 20 May 2019 16:02

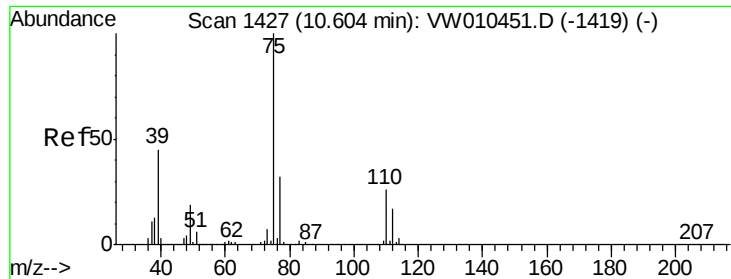
Tgt Ion: 92 Resp: 85989

Ion Ratio Lower Upper

92 100

91 169.8 135.4 203.0





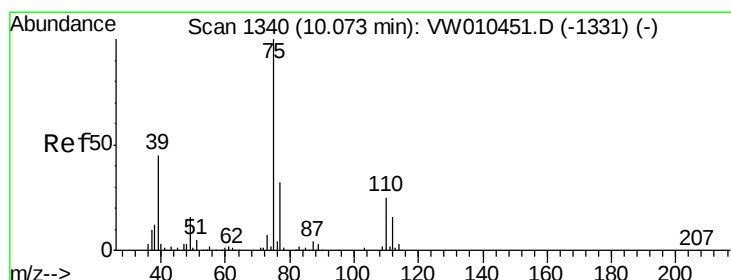
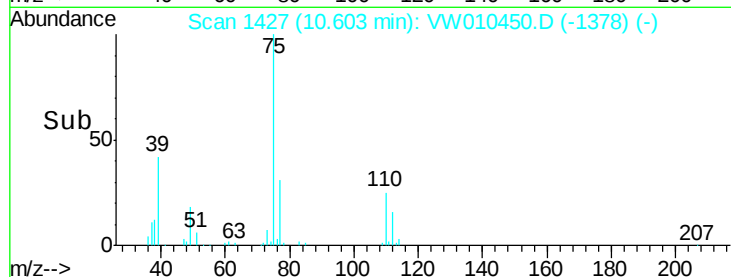
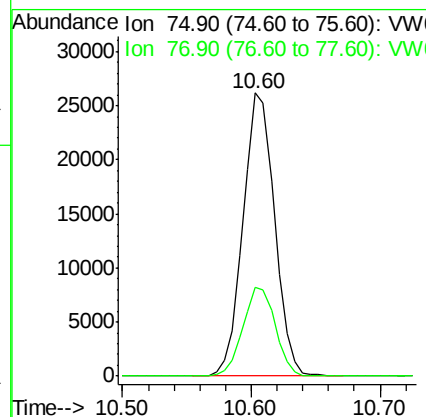
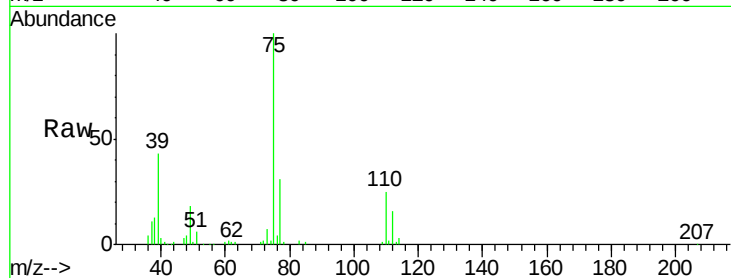
#53
t-1,3-Dichloropropene
Concen: 18.592 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 44360
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.0

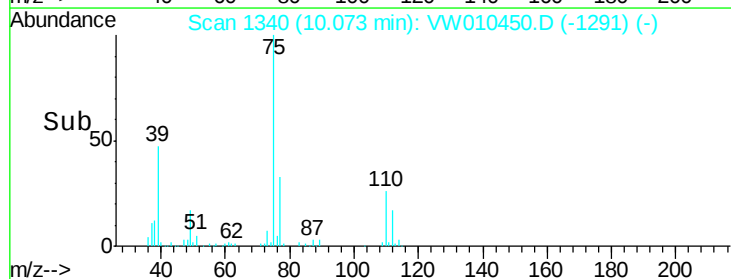
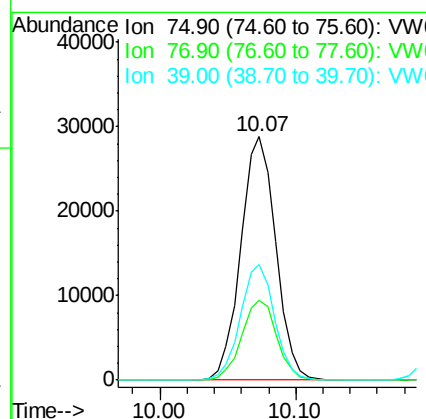
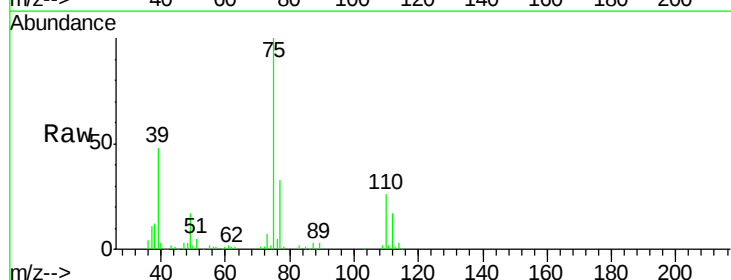
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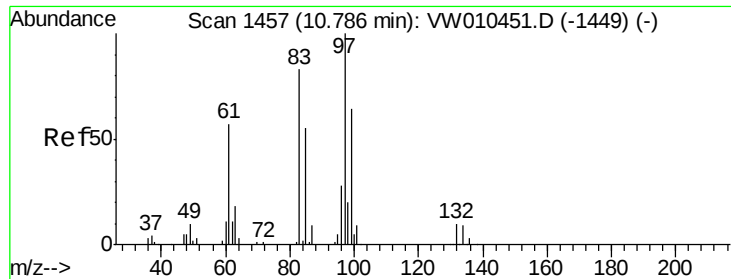
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#54
cis-1,3-Dichloropropene
Concen: 19.059 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion: 75 Resp: 51708
Ion Ratio Lower Upper
75 100
77 32.7 25.7 38.5
39 47.3 36.2 54.4





#55

1,1,2-Trichloroethane

Concen: 19.171 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

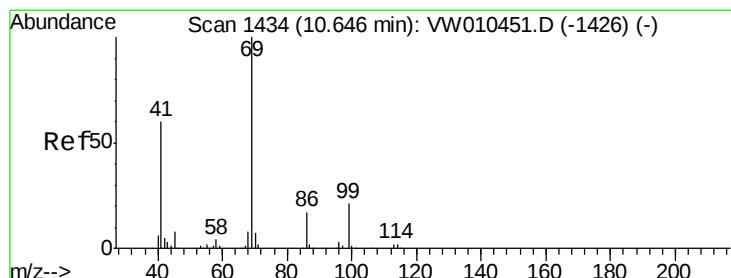
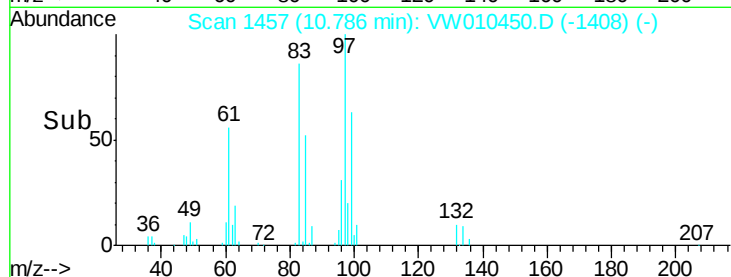
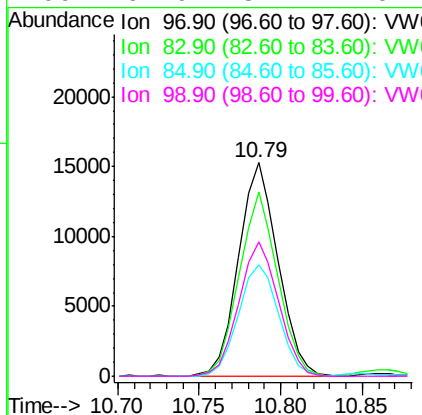
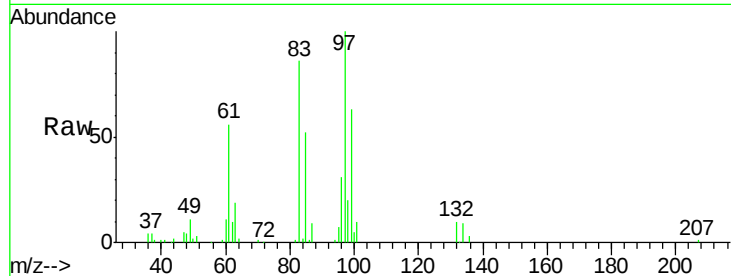
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	25726
Ion	Ratio	Lower	Upper
97	100		
83	86.4	66.1	99.1
85	51.9	44.2	66.4
99	62.9	51.1	76.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.727 ug/l

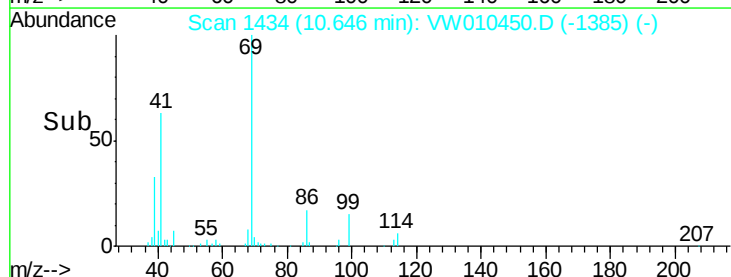
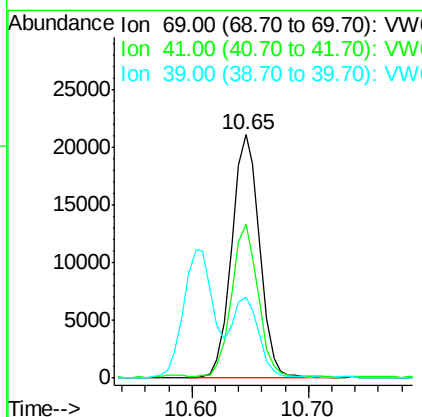
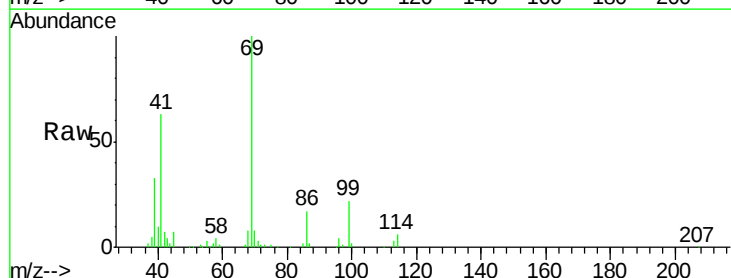
RT: 10.65 min Scan# 1434

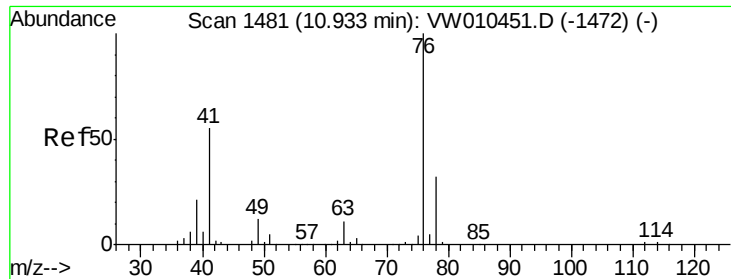
Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Tgt Ion:	69	Resp:	35093
Ion	Ratio	Lower	Upper
69	100		
41	60.4	47.7	71.5
39	31.8	25.3	37.9





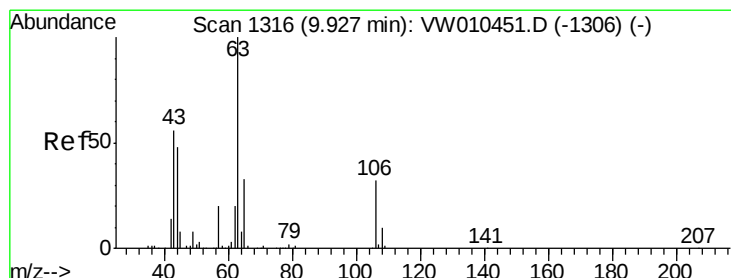
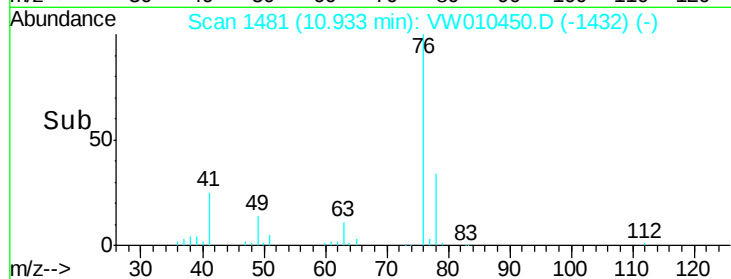
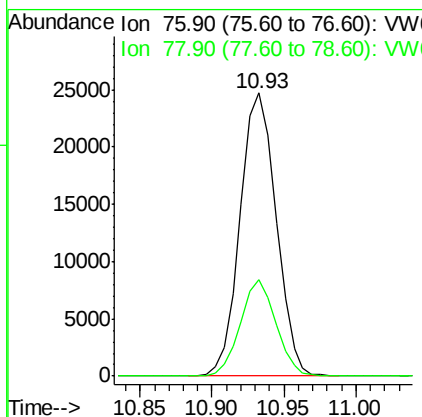
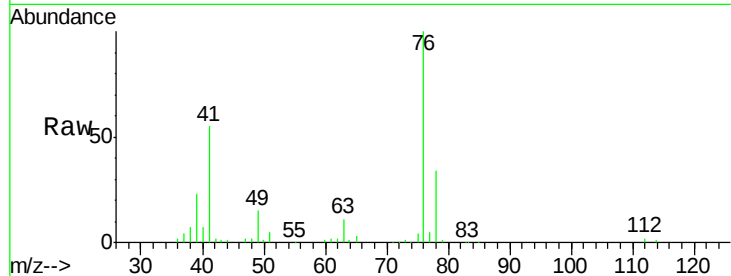
#57
 1,3-Dichloropropane
 Concen: 19.115 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010450.D
 Acq: 20 May 2019 16:02

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion: 76 Resp: 43055
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.2 39.2

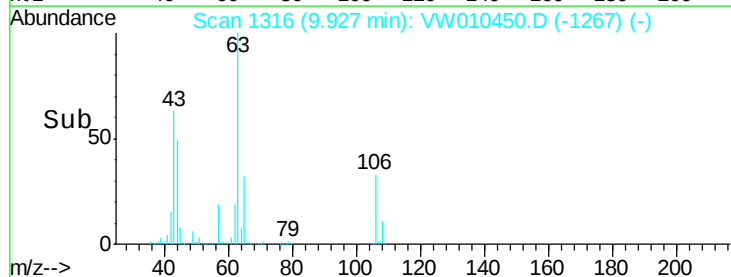
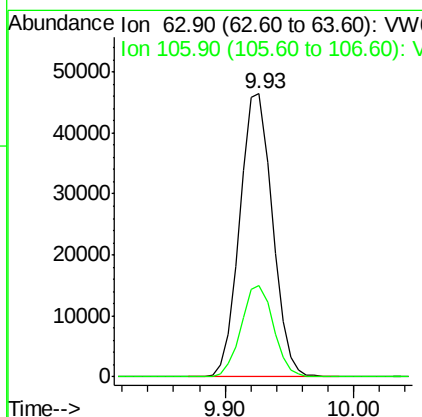
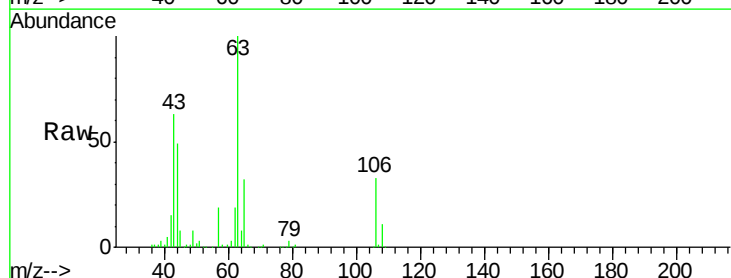
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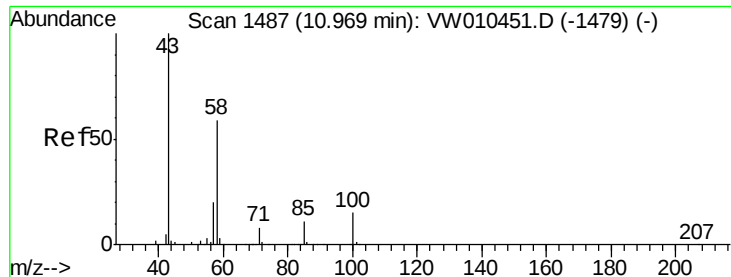
MMDadoda
 5/21/2019 11:28:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.650 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW010450.D
 Acq: 20 May 2019 16:02

Tgt Ion: 63 Resp: 81726
 Ion Ratio Lower Upper
 63 100
 106 32.0 25.8 38.6





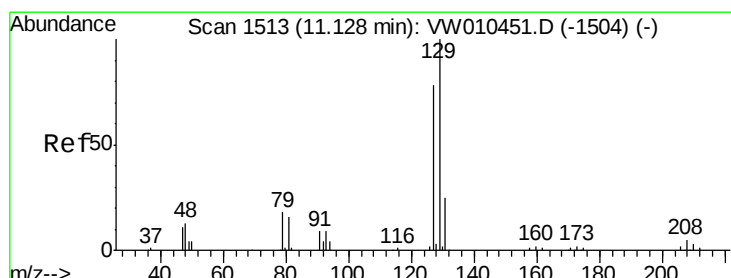
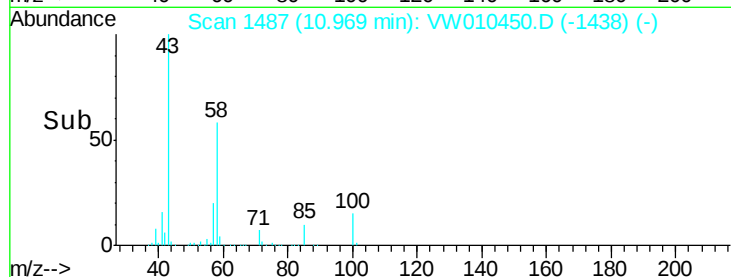
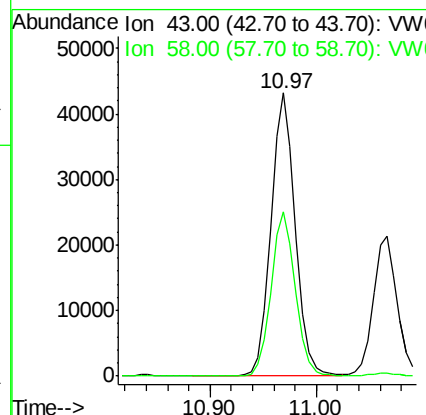
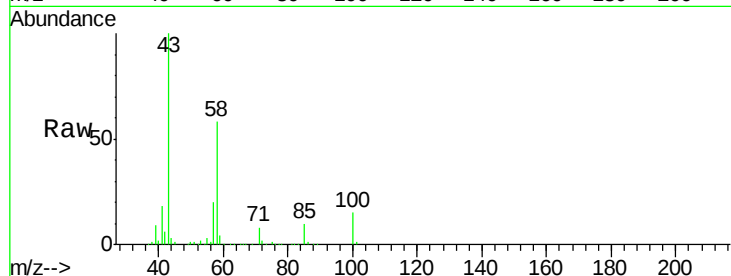
#59
2-Hexanone
Concen: 88.833 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	68859
Ion Ratio	100	Lower	Upper
43	100		
58	57.9	28.9	86.8

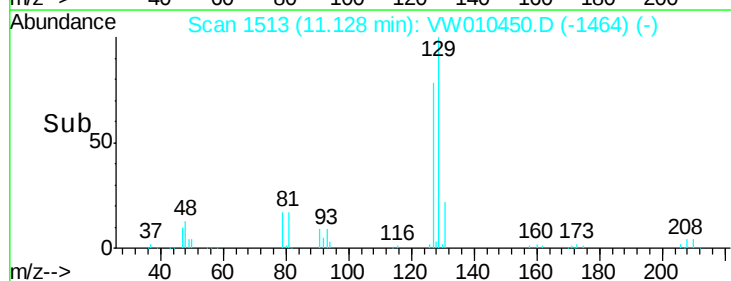
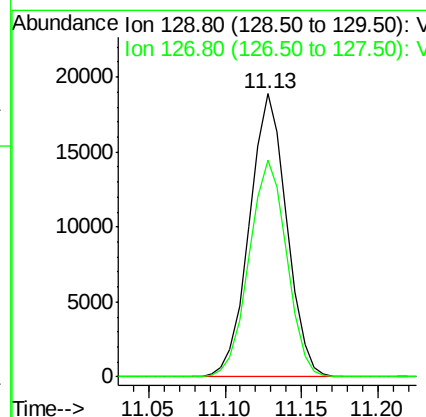
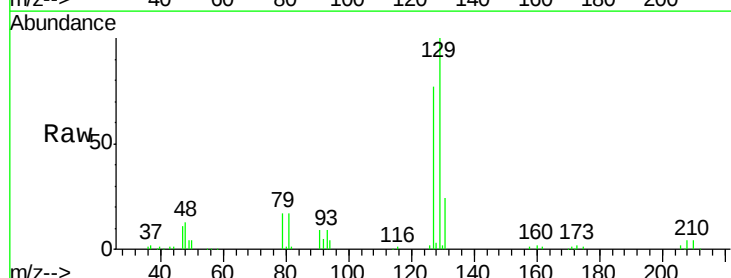
Manual Integrations
APPROVED

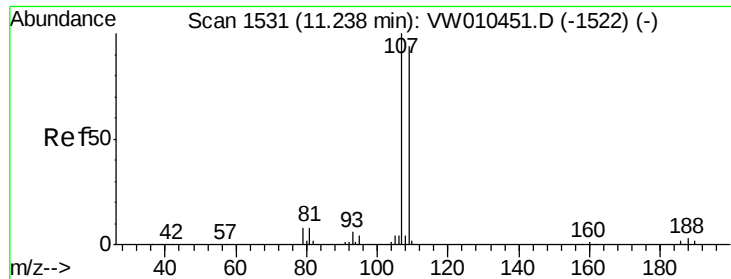
MMDadoda
5/21/2019 11:28:40 AM



#60
Dibromochloromethane
Concen: 19.176 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	129	Resp	32014
Ion Ratio	100	Lower	Upper
129	100		
127	77.0	38.9	116.7





#61

1,2-Dibromoethane

Concen: 18.878 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 25726

Ion Ratio Lower Upper

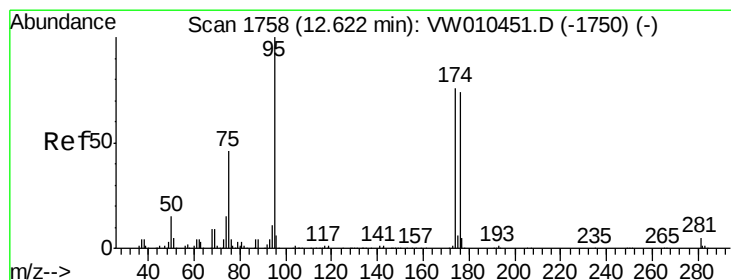
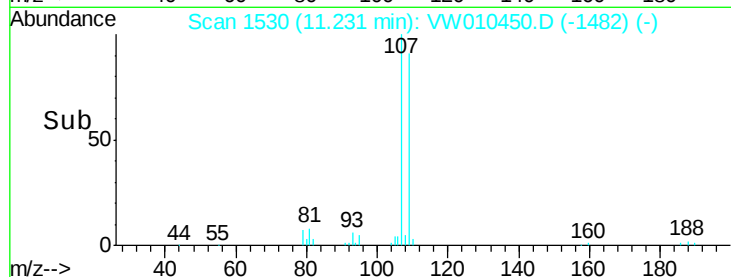
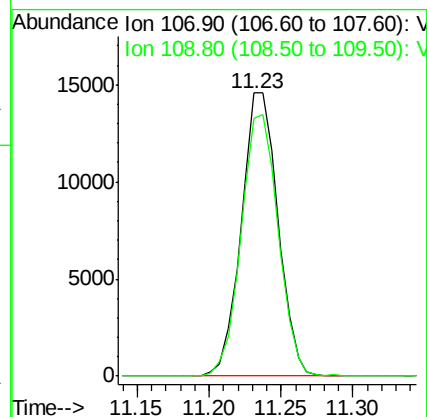
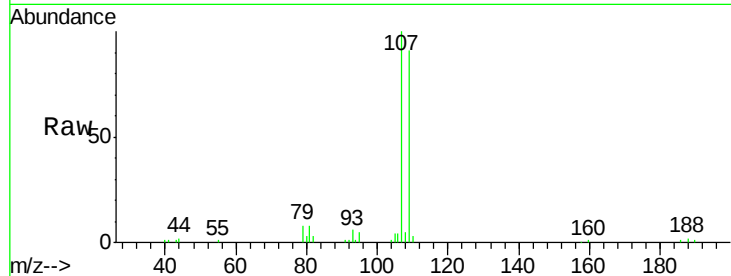
107 100

109 93.6 75.0 112.4

Manual Integrations
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5/21/2019 11:28:40 AM



#62

4-Bromofluorobenzene

Concen: 19.909 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

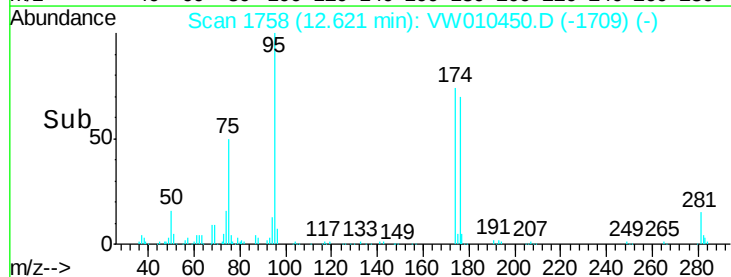
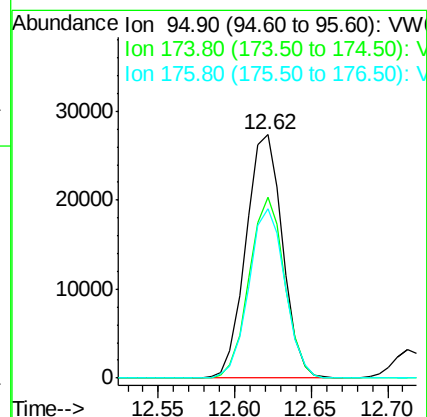
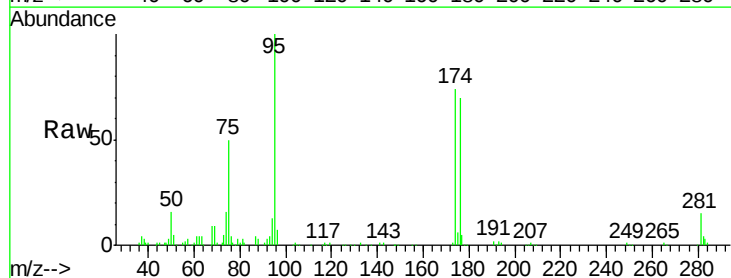
Tgt Ion: 95 Resp: 45586

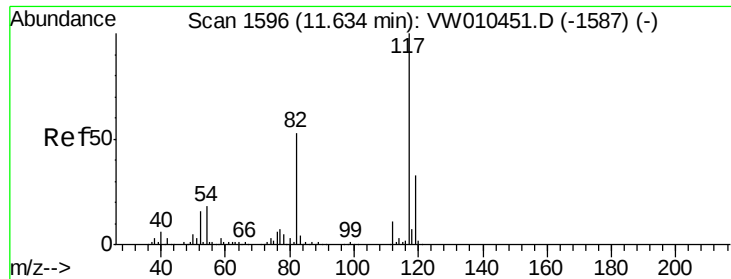
Ion Ratio Lower Upper

95 100

174 71.7 0.0 148.6

176 68.8 0.0 144.2





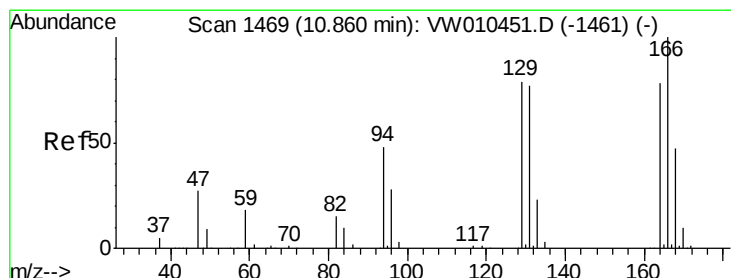
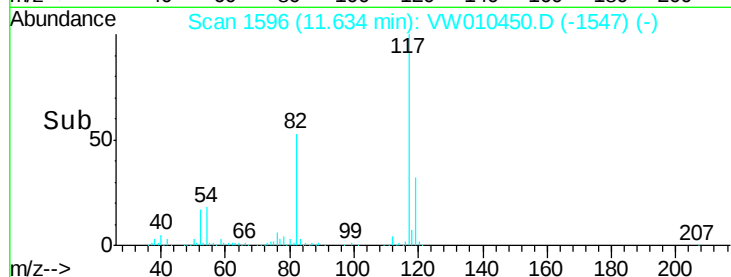
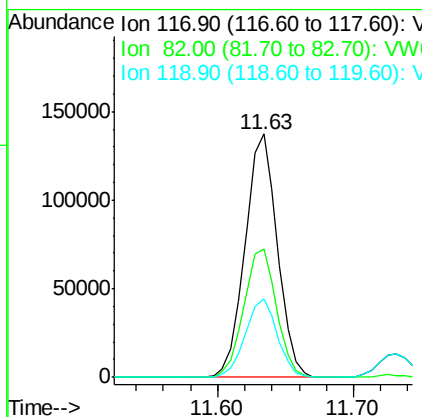
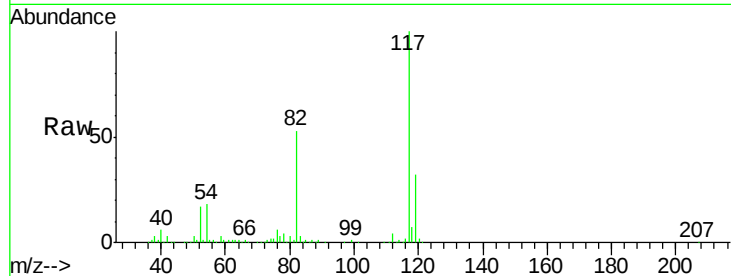
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	227700		
82	52.7		42.8	64.2
119	32.4		26.3	39.5

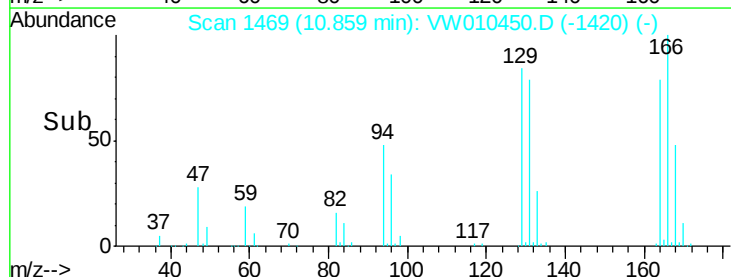
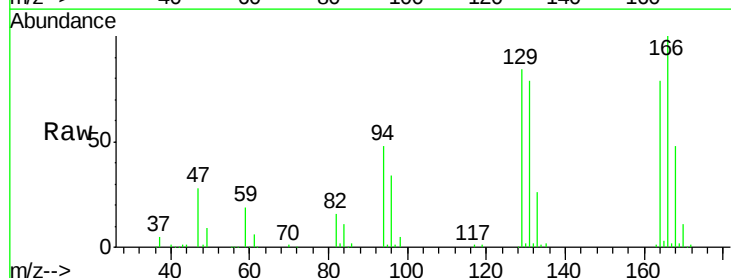
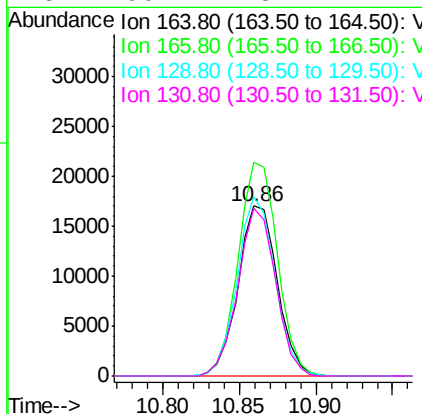
Manual Integrations
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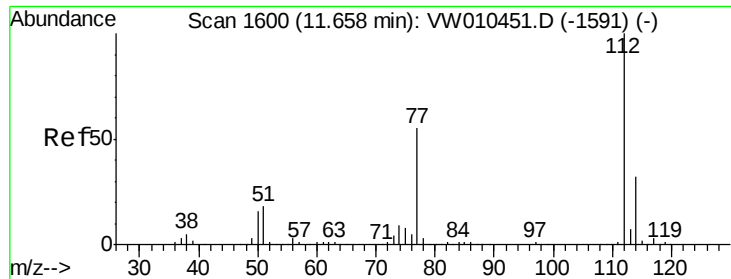
MMDadoda
5/21/2019 11:28:40 AM



#64
Tetrachloroethene
Concen: 19.926 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	30336		
166	125.9		101.9	152.9
129	105.8		80.6	121.0
131	99.1		78.2	117.2





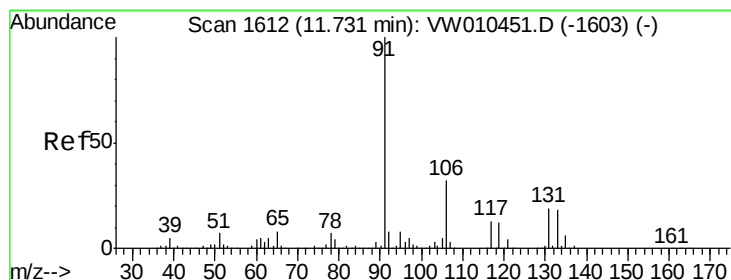
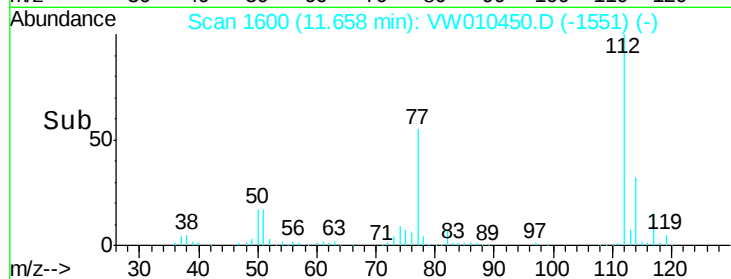
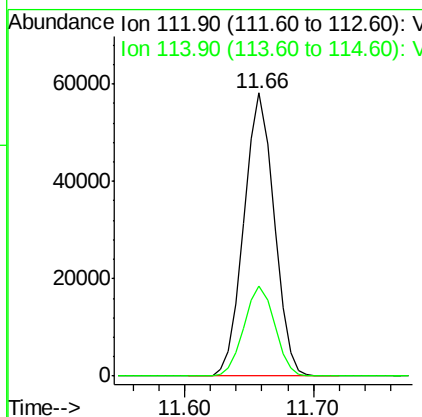
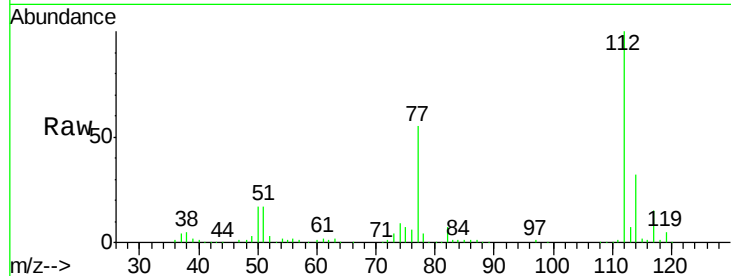
#65
Chlorobenzene
Concen: 20.158 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 94356
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9

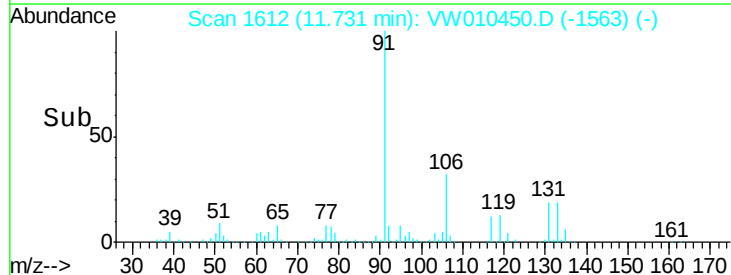
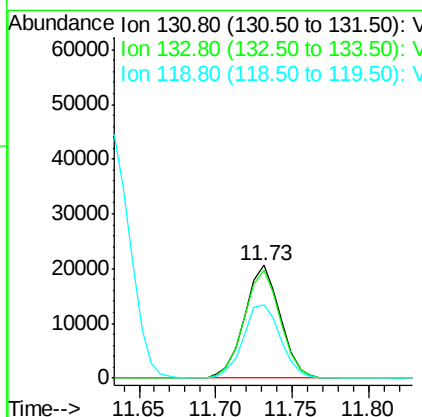
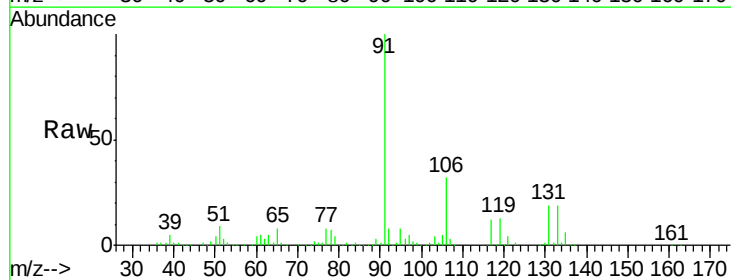
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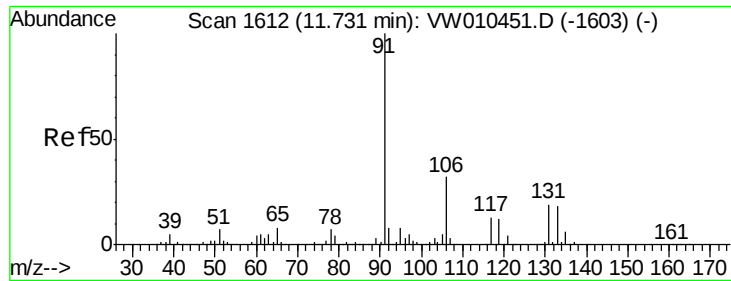
MMDadoda
5/21/2019 11:28:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.430 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion:131 Resp: 33530
Ion Ratio Lower Upper
131 100
133 96.1 47.3 141.9
119 67.6 32.1 96.5





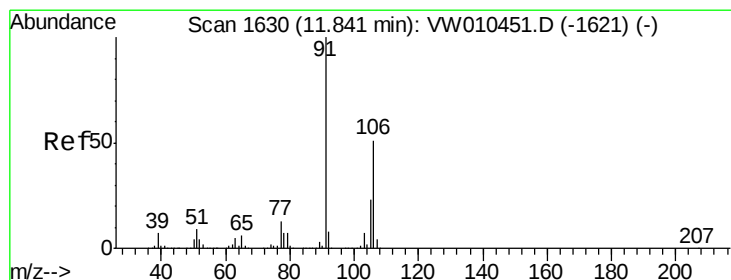
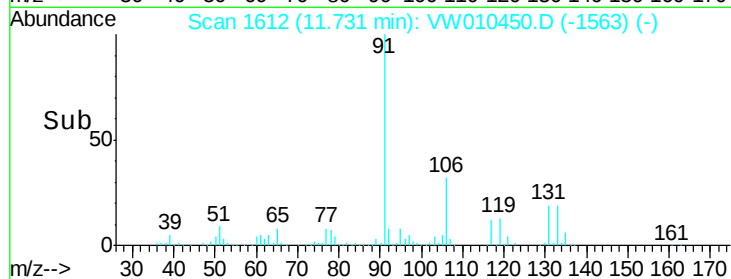
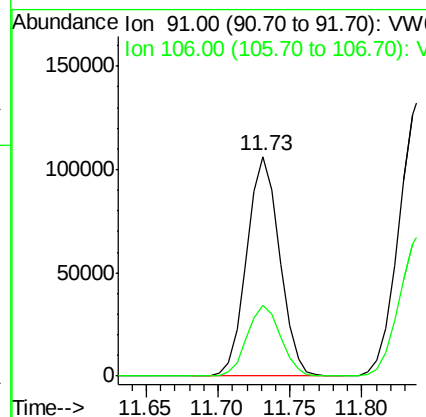
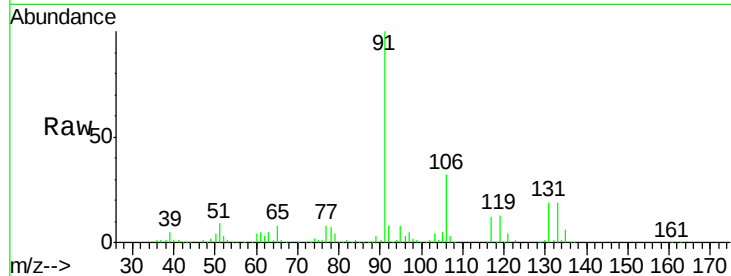
#67
Ethyl Benzene
Concen: 20.323 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	32.0	25.9	38.9	

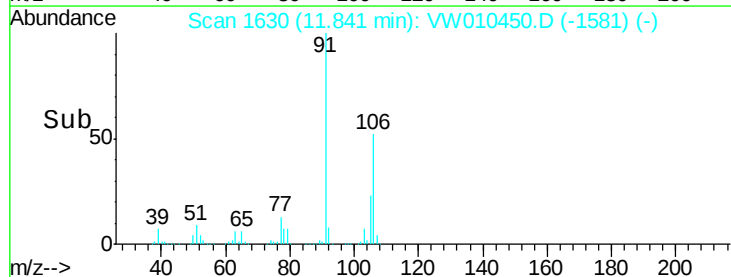
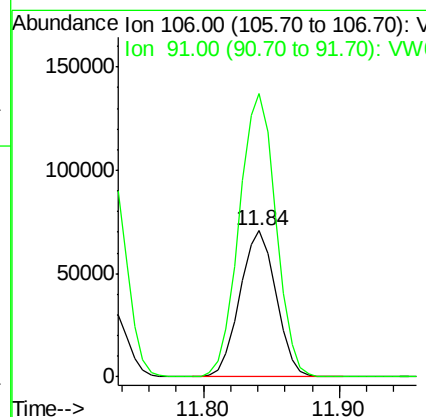
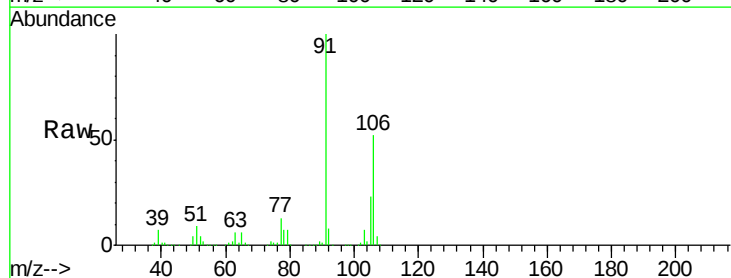
Manual Integrations
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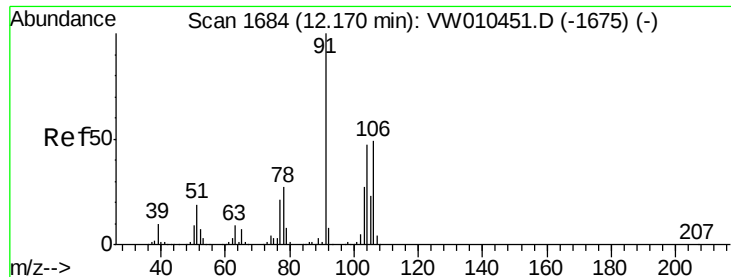
MMDadoda
5/21/2019 11:28:40 AM



#68
m/p-Xylenes
Concen: 40.660 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	195.8	156.0	234.0	





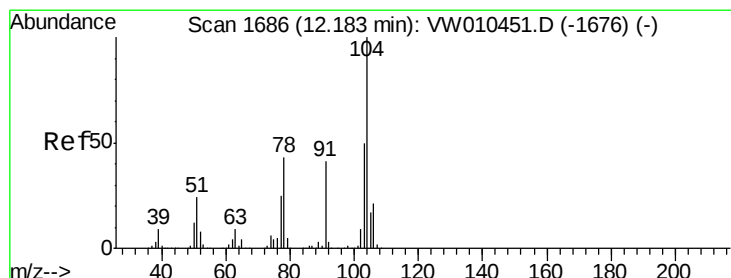
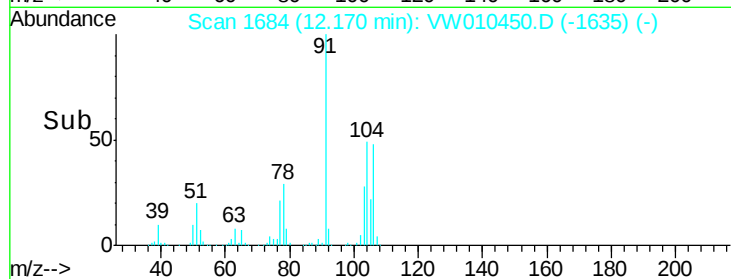
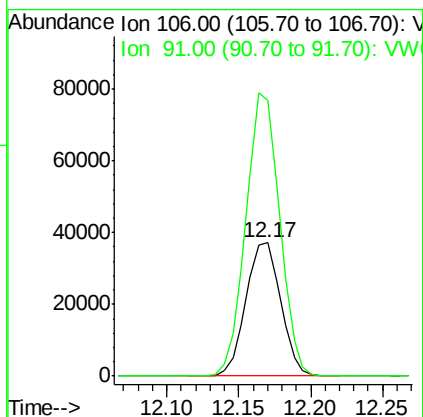
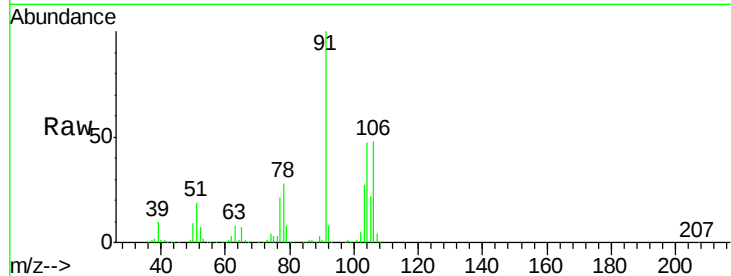
#69
o-Xylene
Concen: 20.163 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.5	103.2	309.4

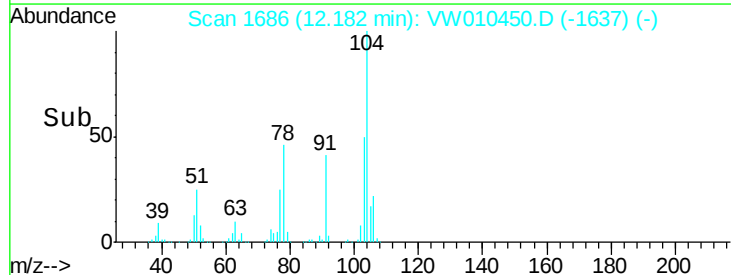
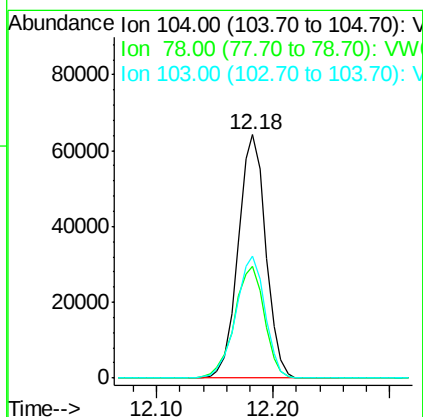
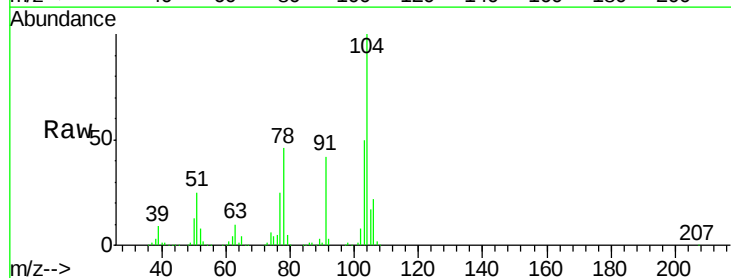
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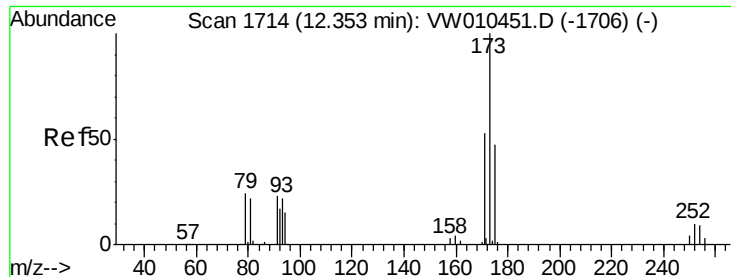
MMDadoda
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#70
Styrene
Concen: 19.982 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.0	39.0	58.4
103	53.3	43.0	64.6





#71

Bromoform

Concen: 19.015 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

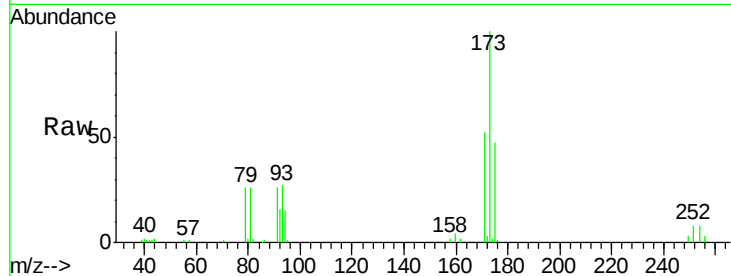
ClientSampled :

VSTDIC020

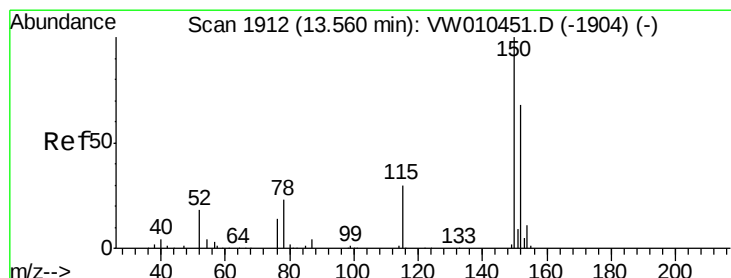
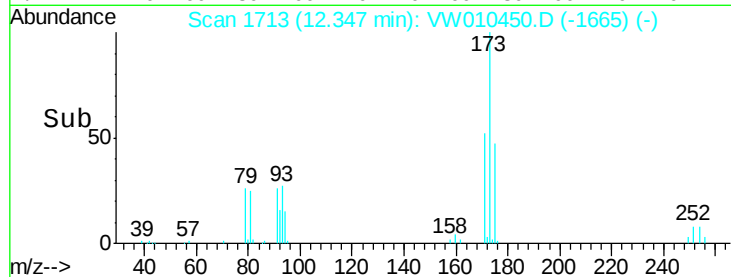
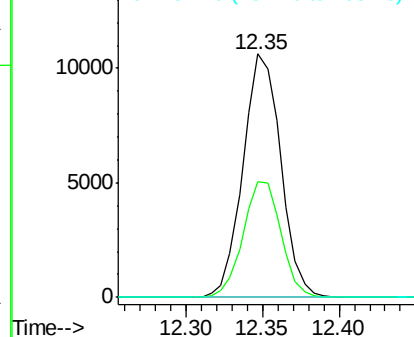
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.4	73.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

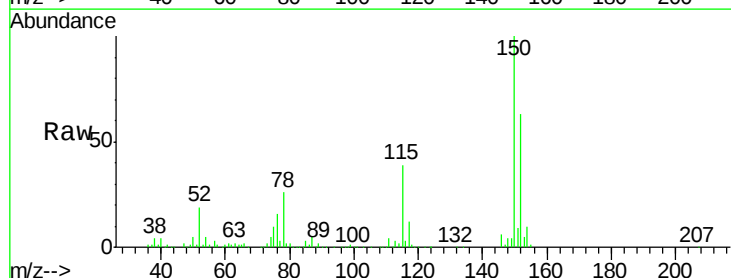
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

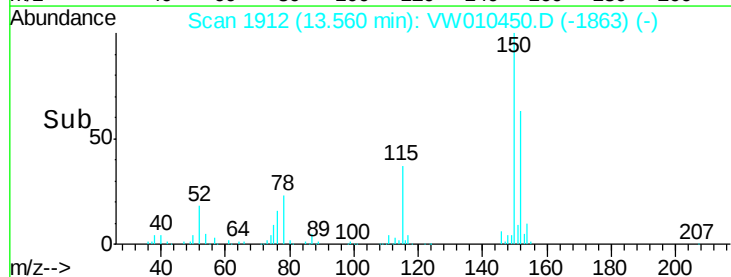
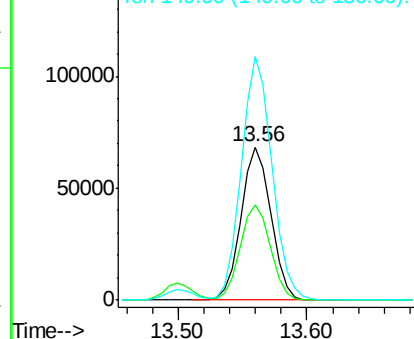
Lab File: VW010450.D

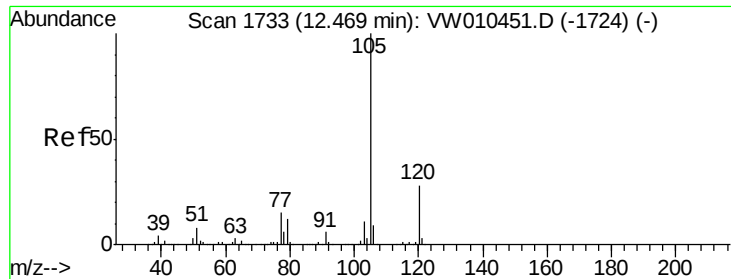
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	30.3	91.0
150	163.6	0.0	349.8



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





#73

Isopropylbenzene

Concen: 19.738 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 169240

Ion Ratio Lower Upper

105 100

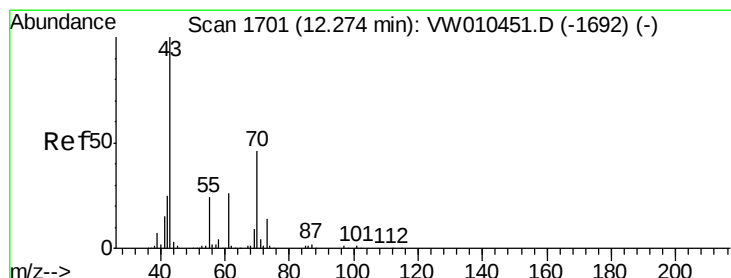
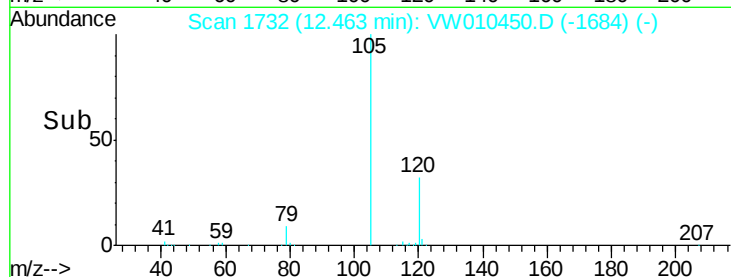
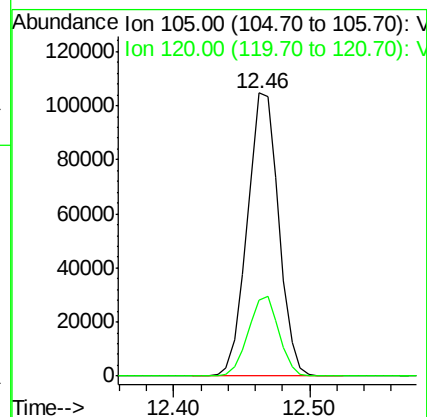
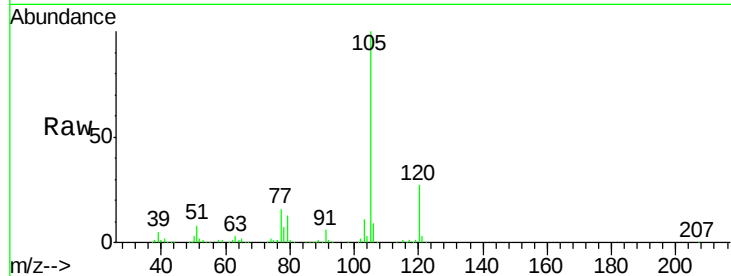
120 27.5 13.9 41.7

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#74

N-ethyl acetate

Concen: 17.218 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Tgt Ion: 43 Resp: 36966

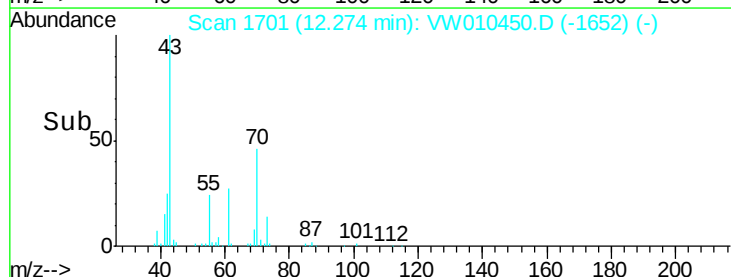
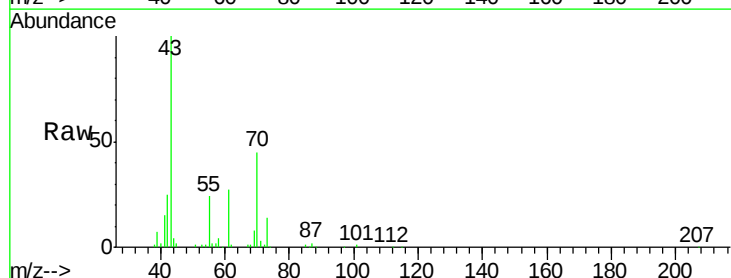
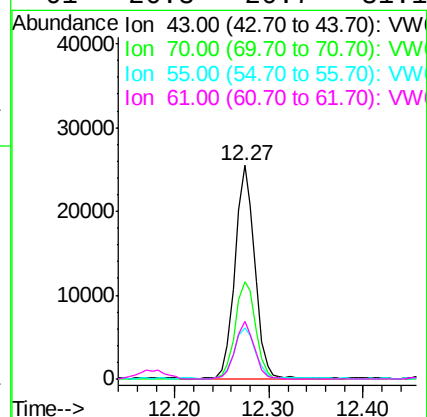
Ion Ratio Lower Upper

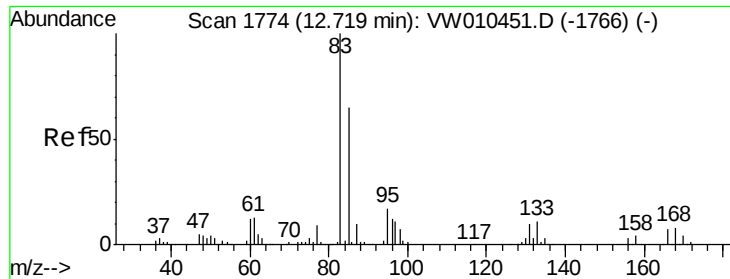
43 100

70 47.1 37.1 55.7

55 26.5 19.6 29.4

61 26.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 17.864 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

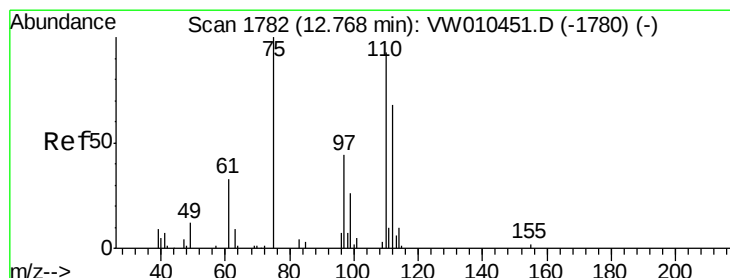
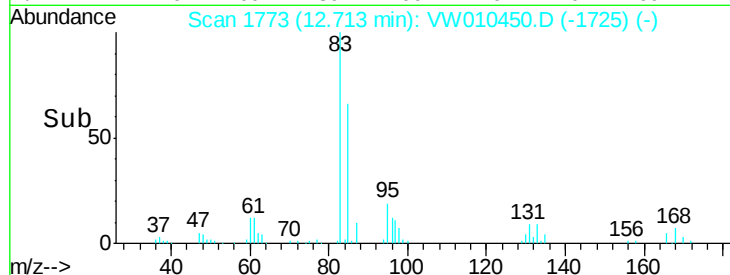
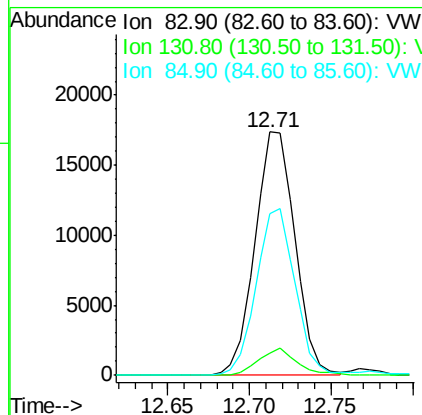
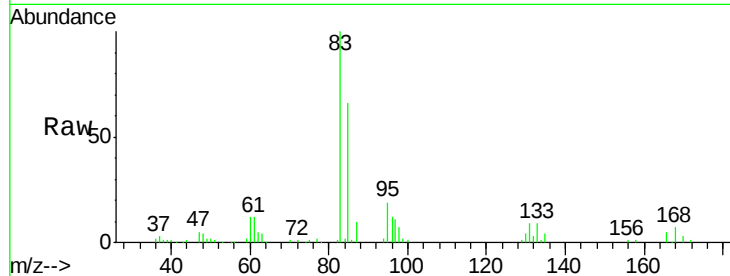
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	29698
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.6	16.8
85	66.1	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 18.223 ug/l m

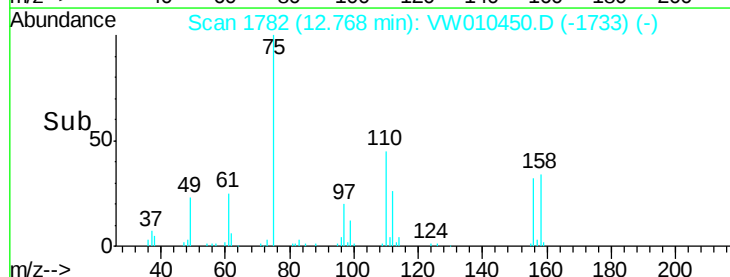
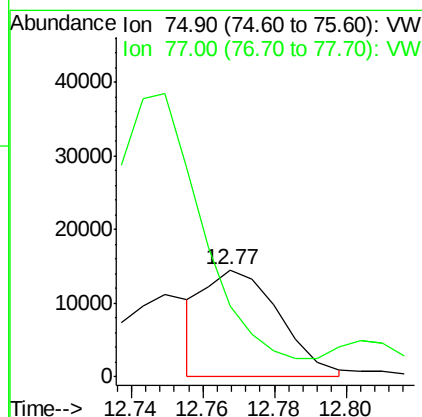
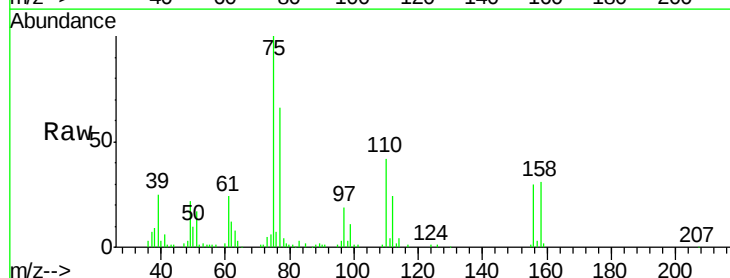
RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Tgt Ion:	75	Resp:	21121
Ion Ratio	Lower	Upper	
75	100		
77	339.9	170.0	510.1





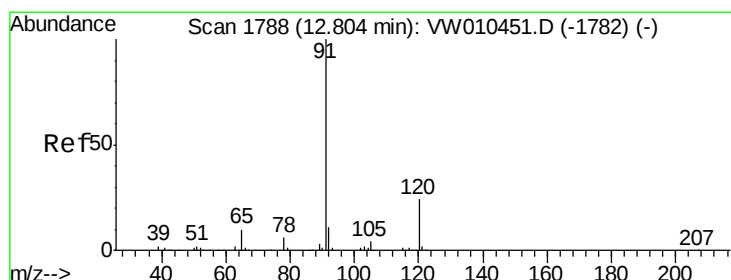
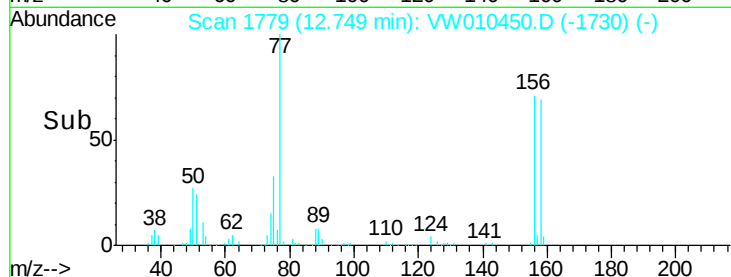
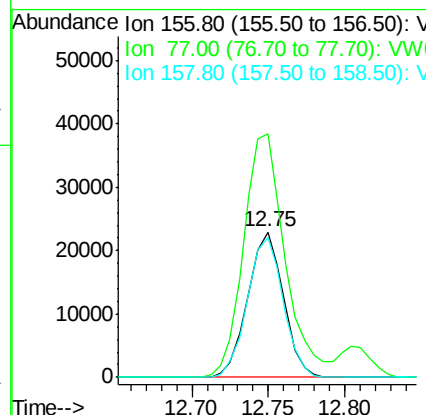
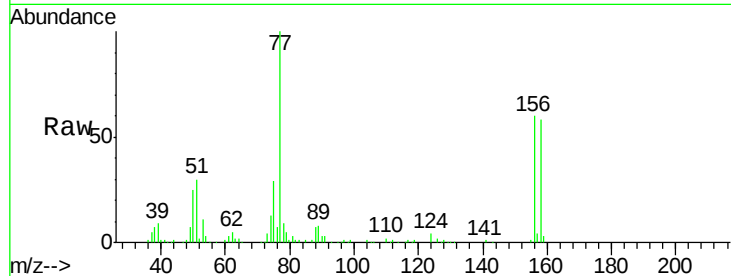
#77
Bromobenzene
Concen: 19.226 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	193.3	92.4	277.2
158	97.3	48.3	144.8

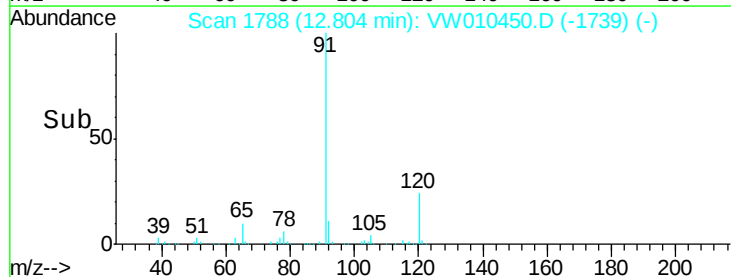
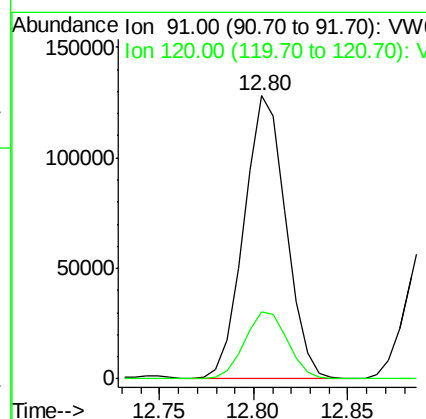
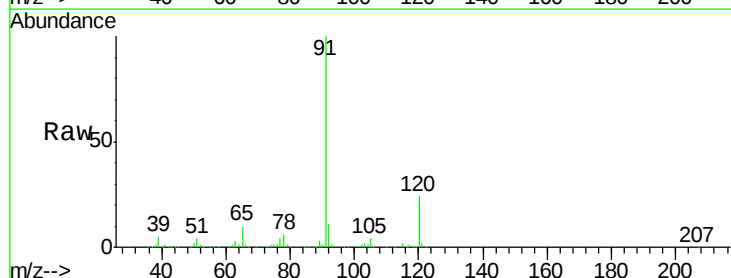
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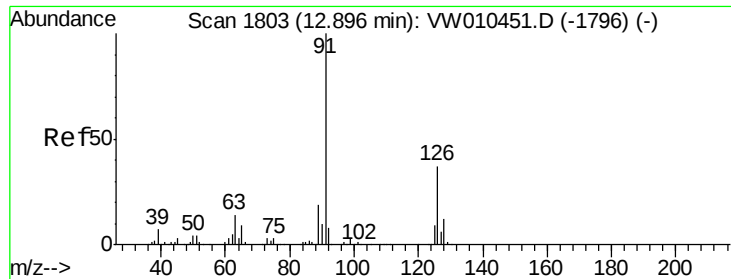
MMDadoda
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#78
n-propylbenzene
Concen: 19.872 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.3	36.8





#79

2-Chlorotoluene

Concen: 19.600 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 113455

Ion Ratio Lower Upper

91 100

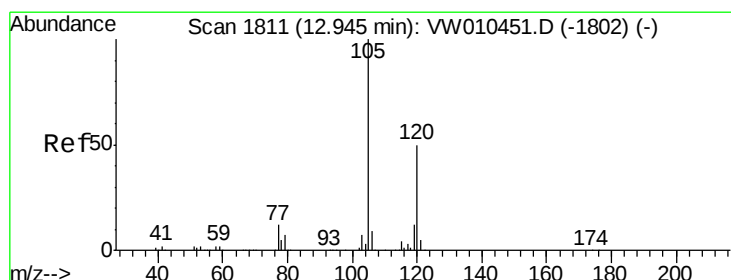
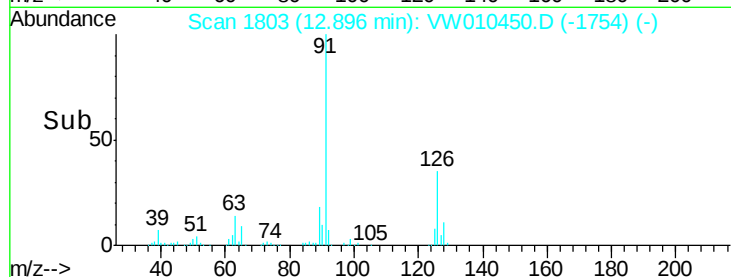
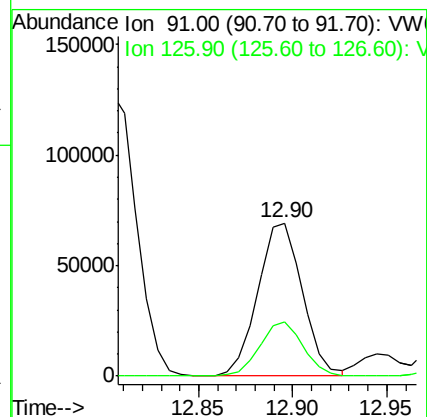
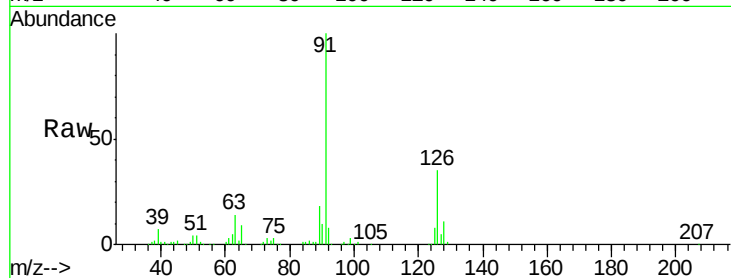
126 34.6 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.809 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010450.D

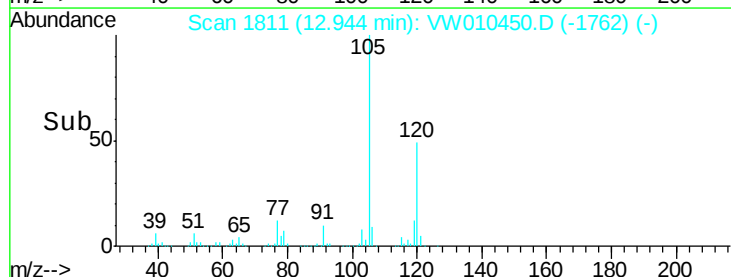
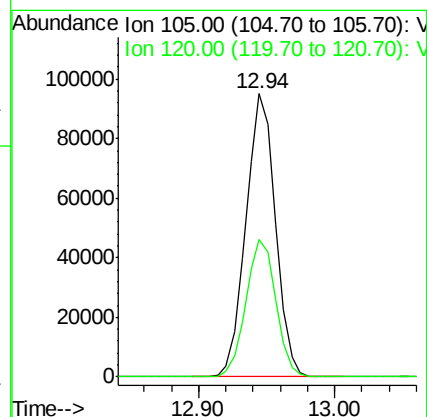
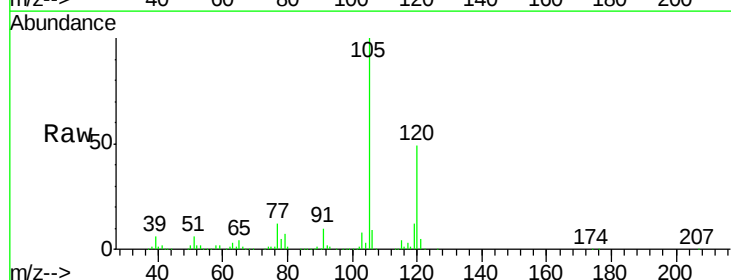
Acq: 20 May 2019 16:02

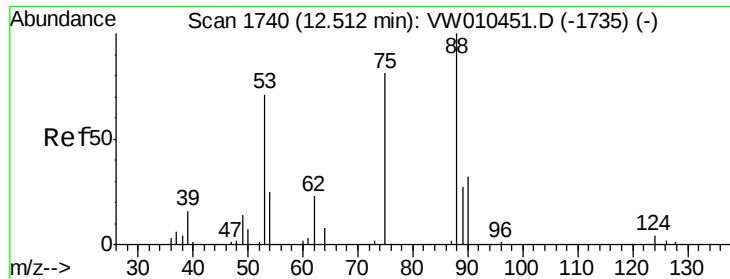
Tgt Ion: 105 Resp: 144227

Ion Ratio Lower Upper

105 100

120 49.1 25.2 75.6





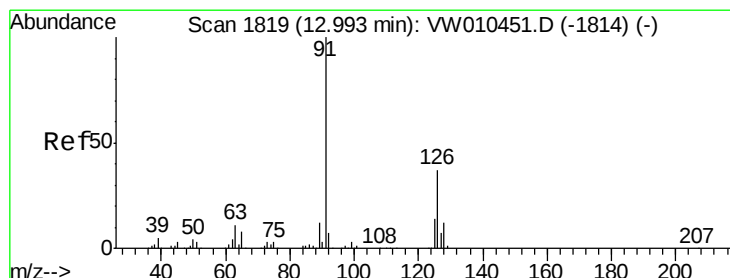
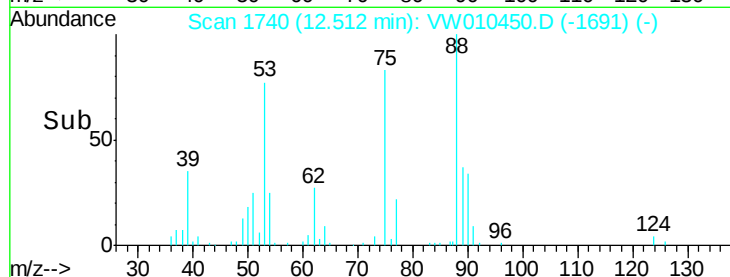
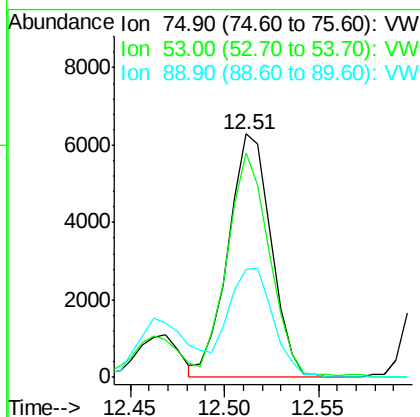
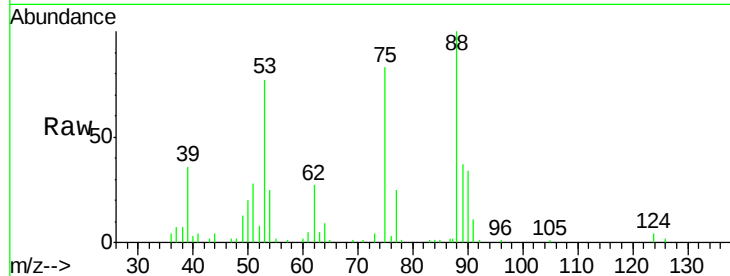
#81
trans-1,4-Dichloro-2-butene
Concen: 16.988 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	69.8	104.8
89	45.9	39.5	59.3

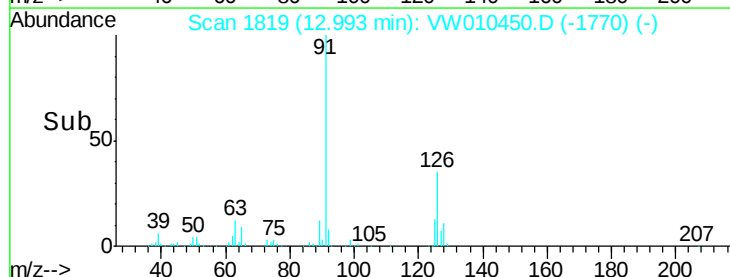
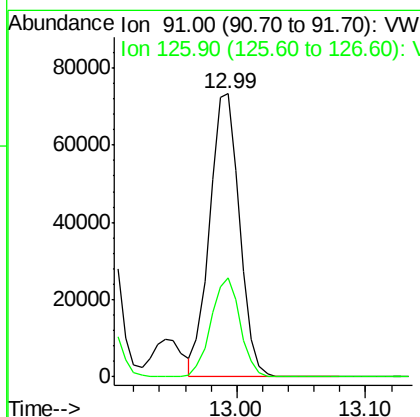
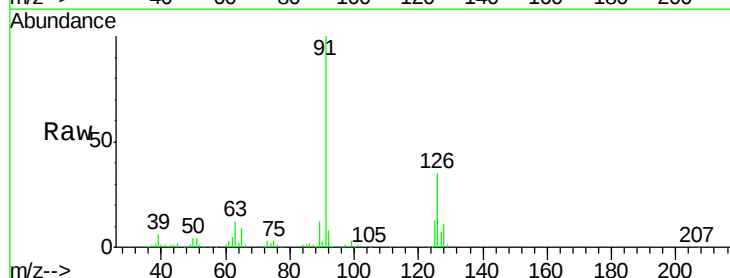
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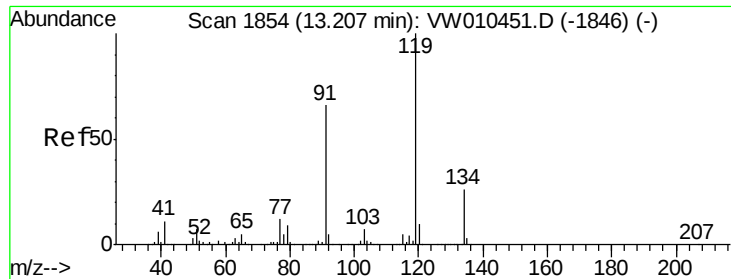
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#82
4-Chlorotoluene
Concen: 19.779 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.5	52.6





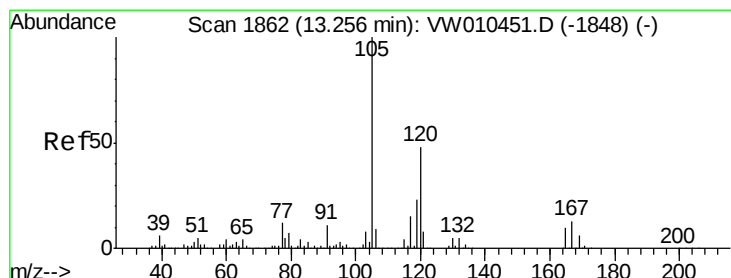
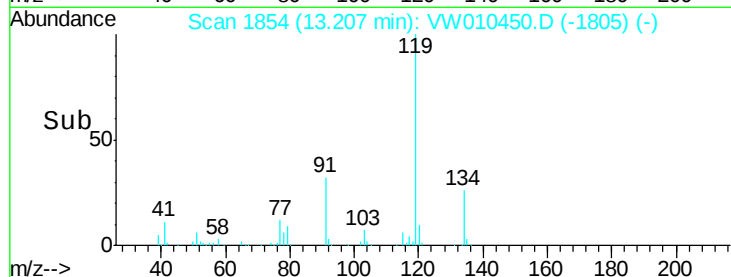
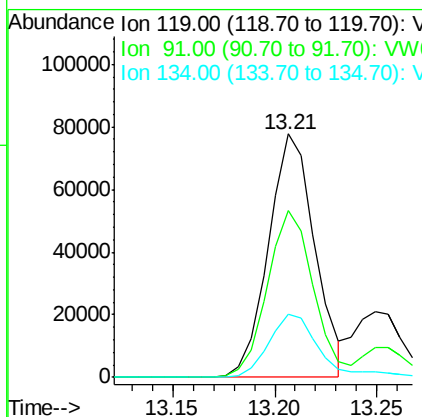
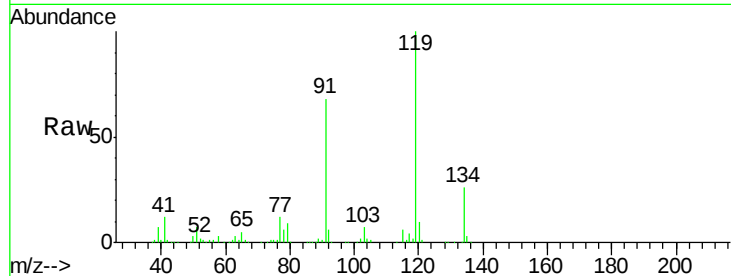
#83
tert-Butylbenzene
Concen: 19.910 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	122928		
91	68.6		33.1	99.5
134	28.4		13.9	41.6

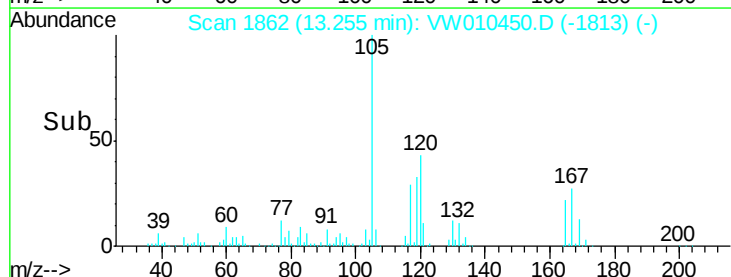
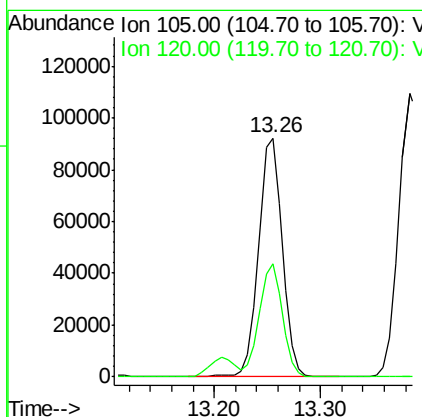
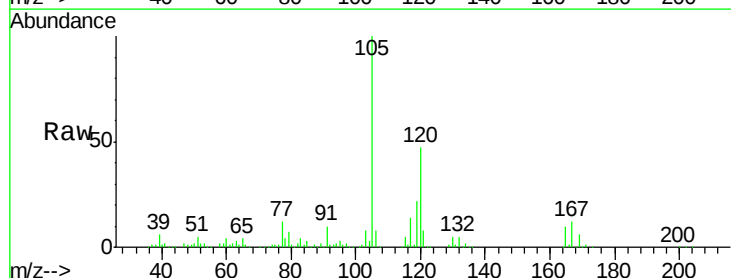
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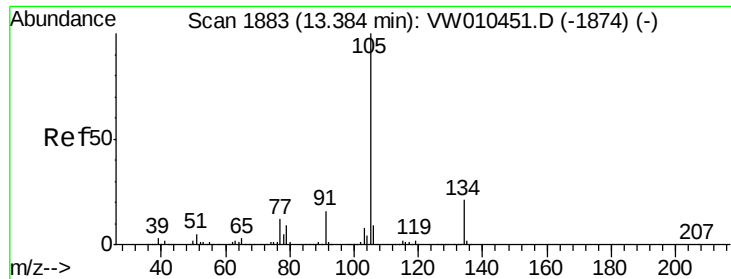
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#84
1,2,4-Trimethylbenzene
Concen: 20.127 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	144453		
120	46.3		23.4	70.2





#85

sec-Butylbenzene

Concen: 20.156 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 175040

Ion Ratio Lower Upper

105 100

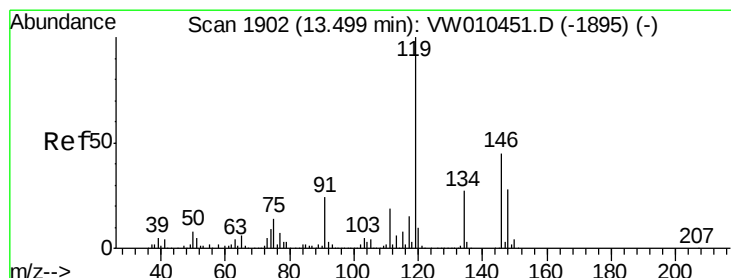
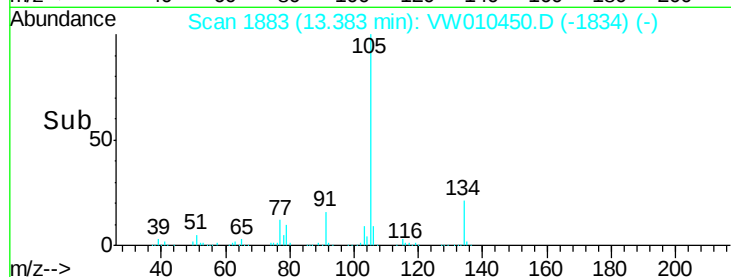
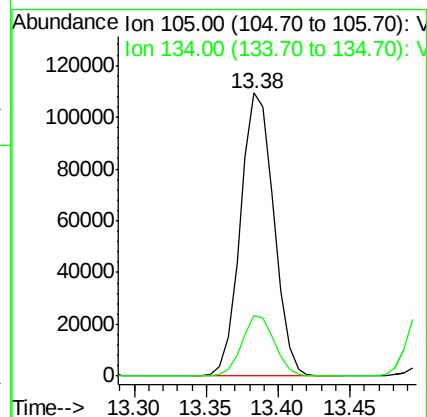
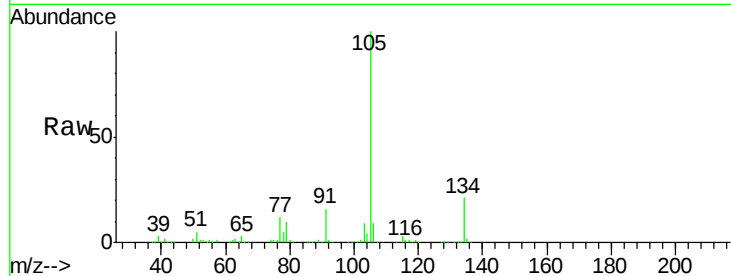
134 21.0 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 20.100 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010450.D

Acq: 20 May 2019 16:02

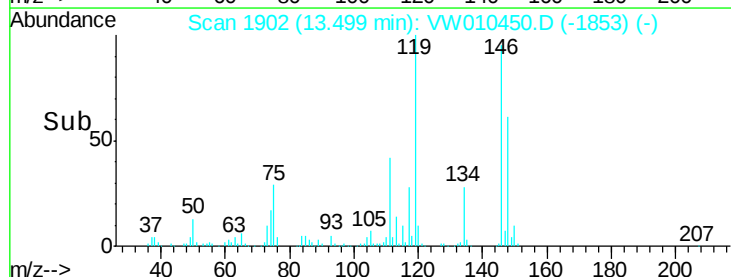
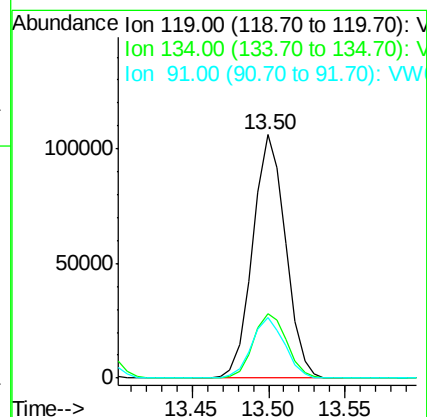
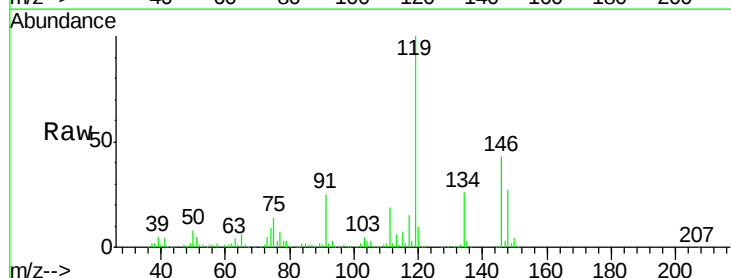
Tgt Ion:119 Resp: 158071

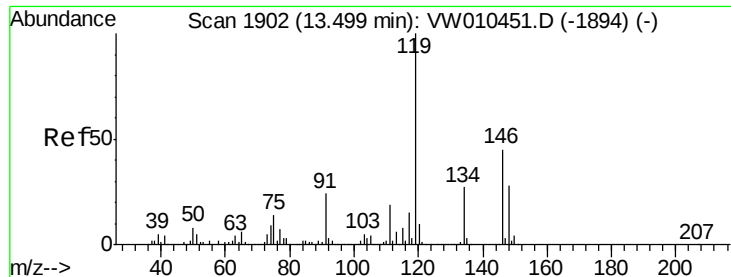
Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.7

91 24.9 11.9 35.7





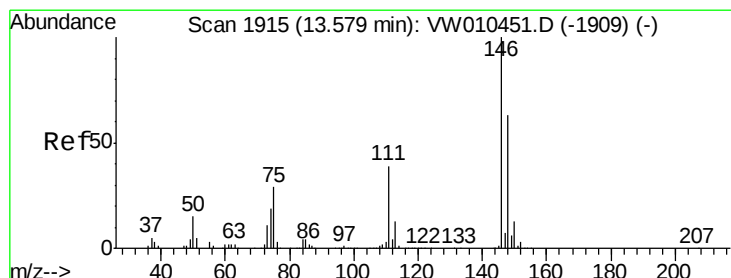
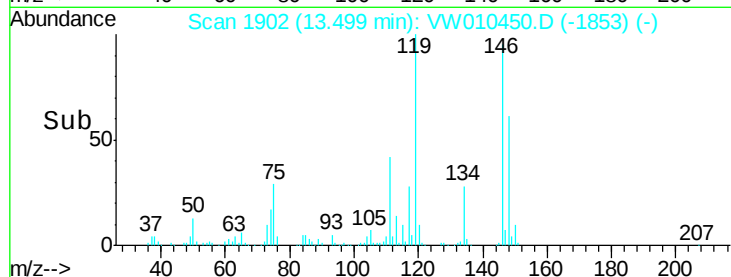
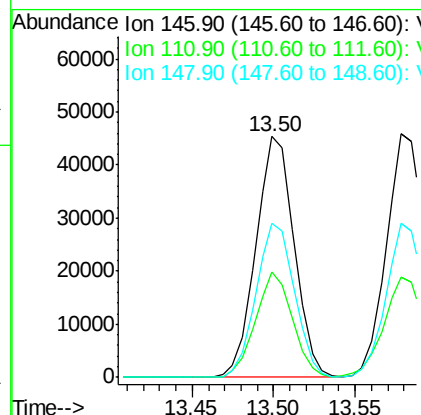
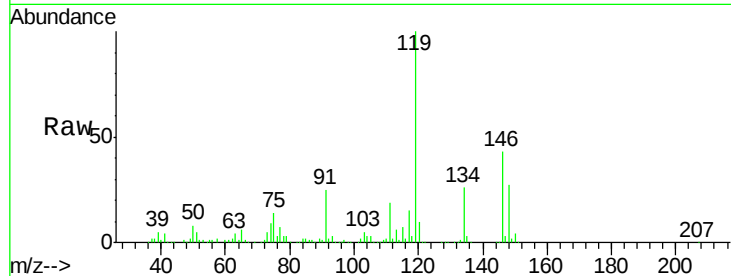
#87
 1,3-Dichlorobenzene
 Concen: 19.847 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010450.D
 Acq: 20 May 2019 16:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	60.9
148	64.1	31.6	94.8

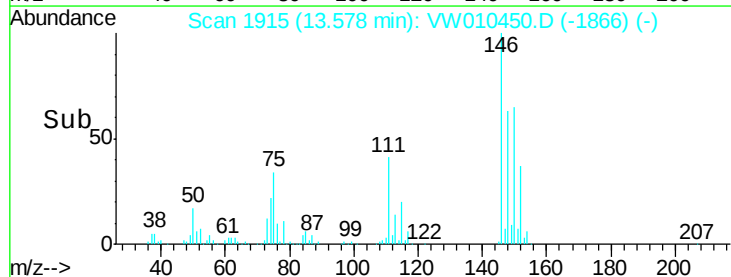
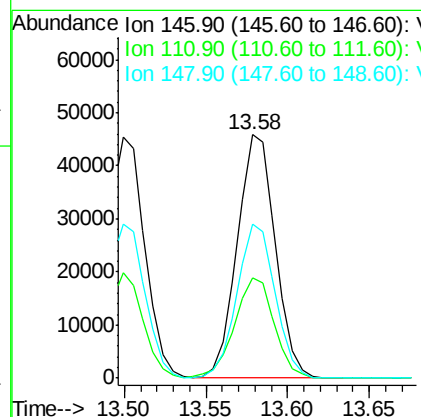
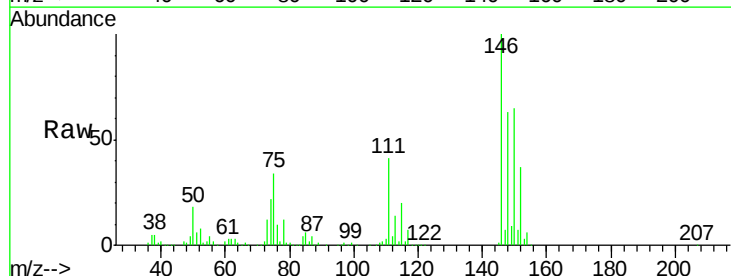
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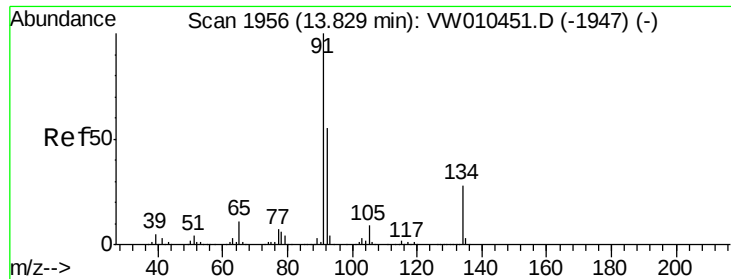
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#88
 1,4-Dichlorobenzene
 Concen: 20.059 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010450.D
 Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	19.9	59.6
148	63.5	31.6	94.8





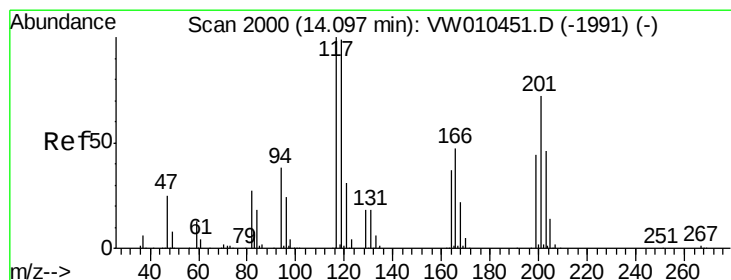
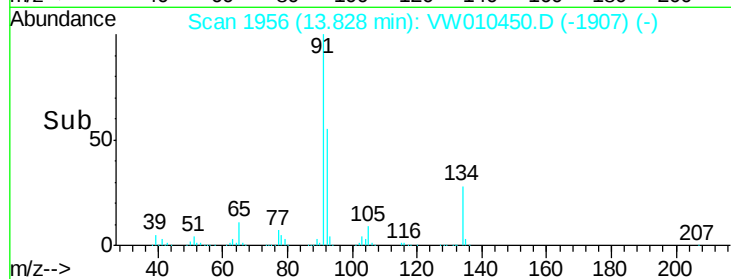
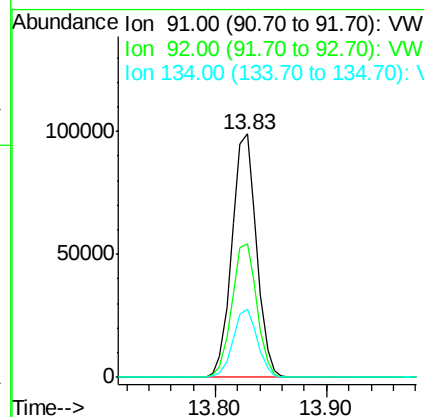
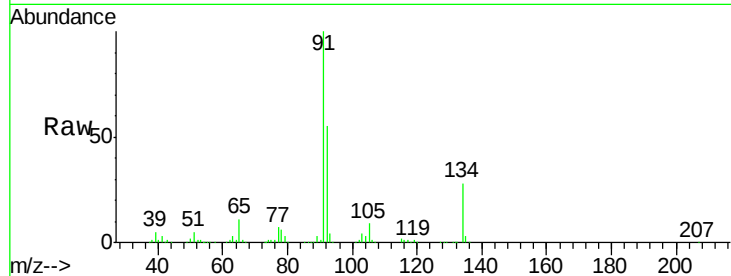
#89
n-Butylbenzene
Concen: 20.104 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.8	27.7	83.1
134	27.7	13.9	41.6

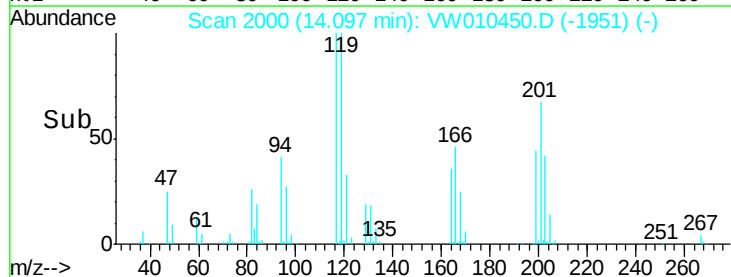
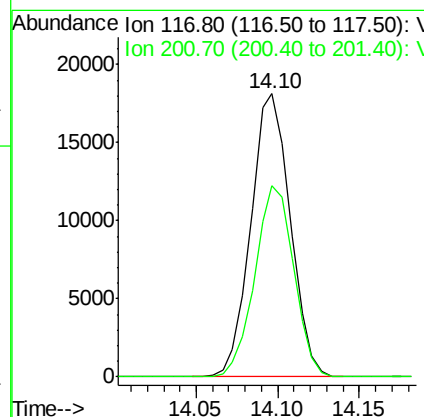
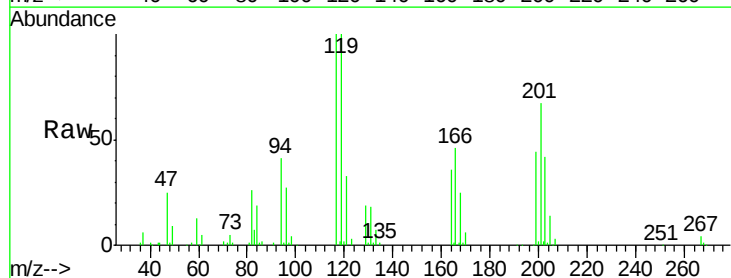
Manual Integrations
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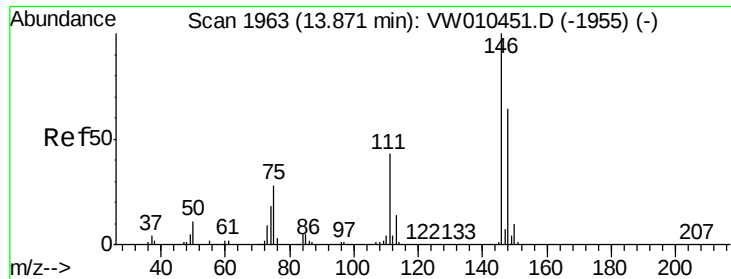
MMDadoda
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#90
Hexachloroethane
Concen: 19.332 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.6	103.8





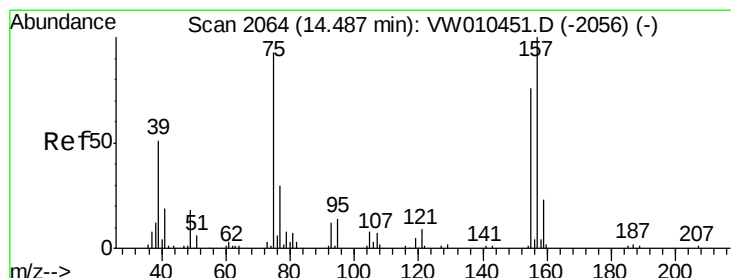
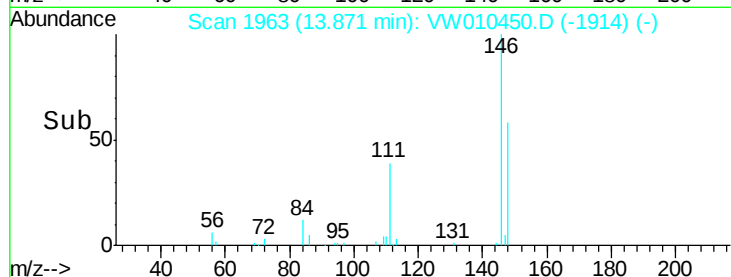
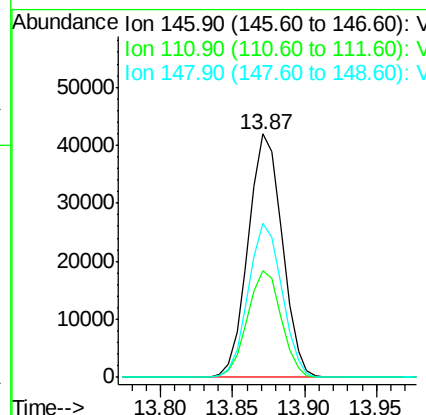
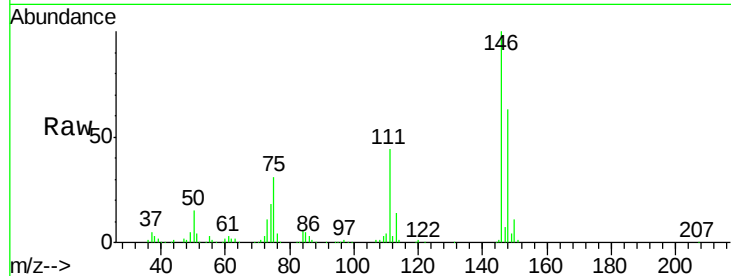
#91
 1,2-Dichlorobenzene
 Concen: 20.315 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010450.D
 Acq: 20 May 2019 16:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.3	64.0
148	62.6	32.0	96.0

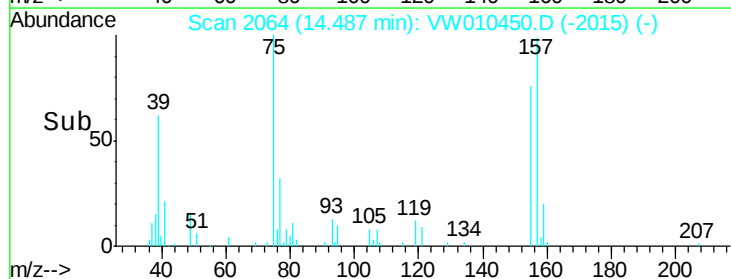
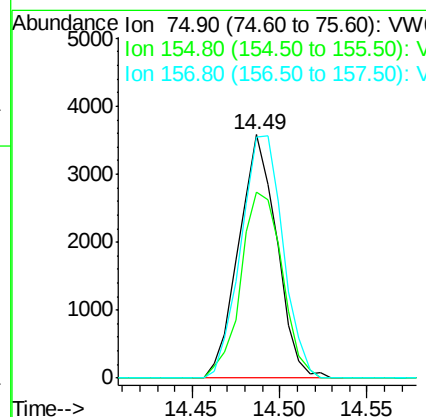
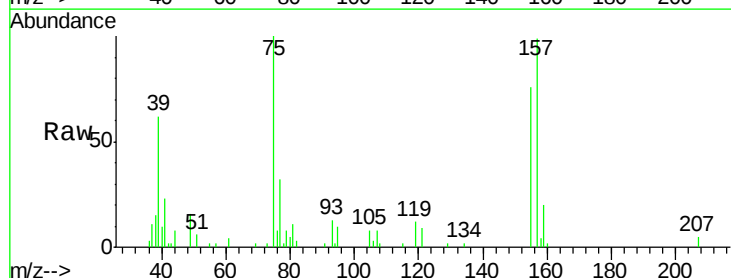
Manual Integrations
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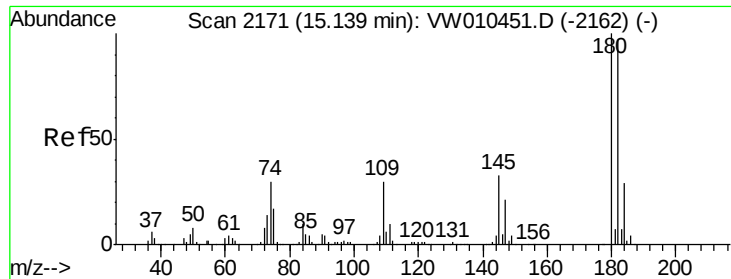
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.488 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010450.D
 Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	43.0	129.0
157	110.4	55.7	167.1





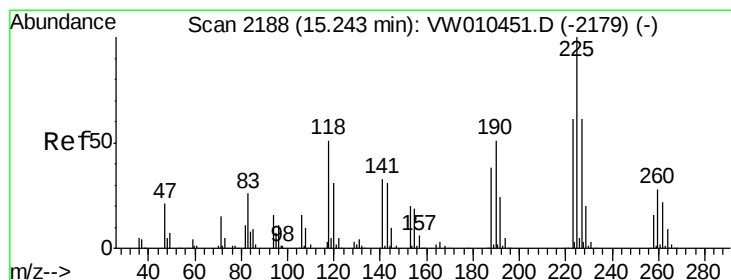
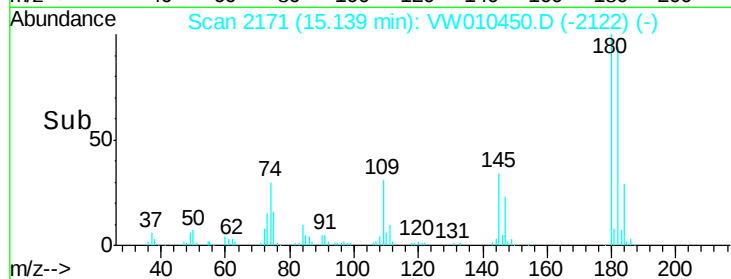
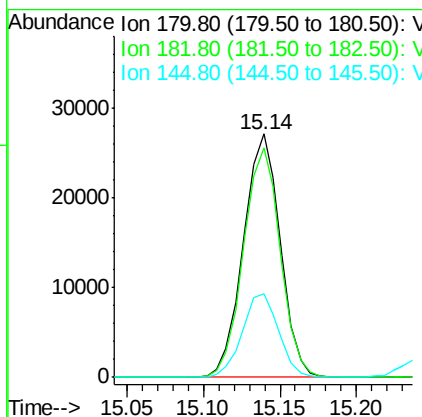
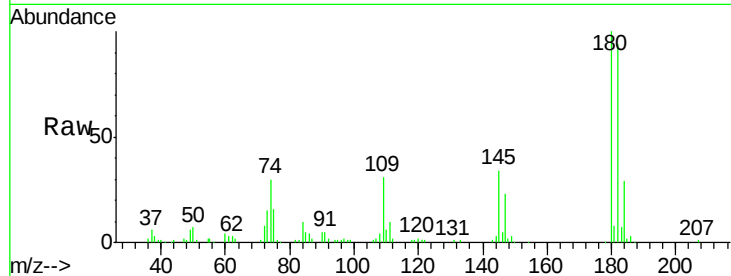
#93
1,2,4-Trichlorobenzene
Concen: 20.417 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.0	141.2
145	33.8	16.7	50.0

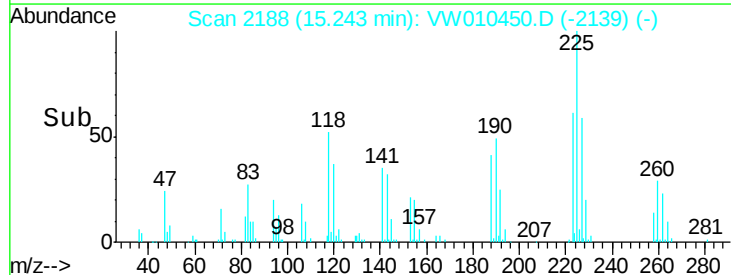
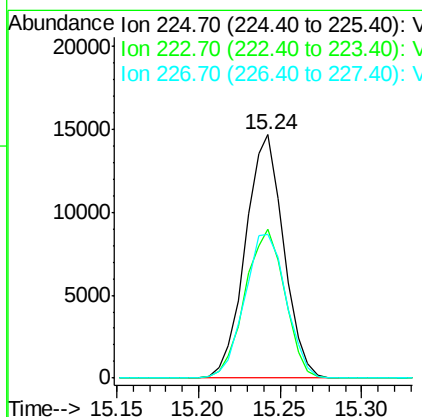
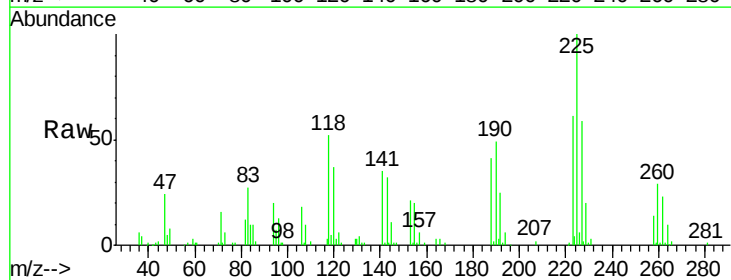
Manual Integrations
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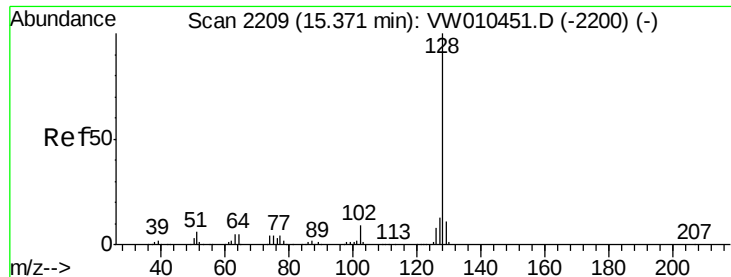
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#94
Hexachlorobutadiene
Concen: 20.044 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.2
227	64.3	31.1	93.5





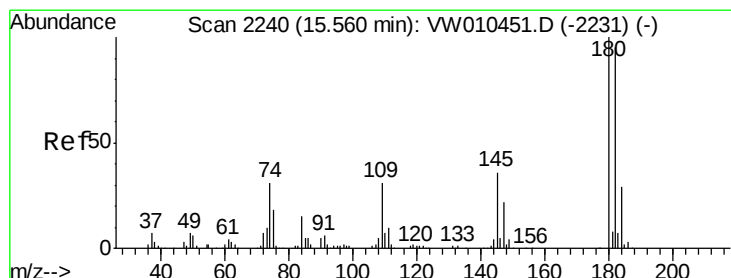
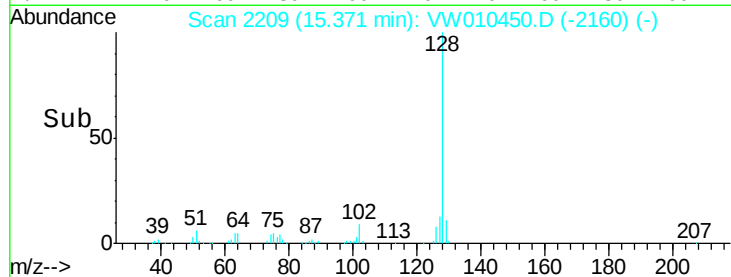
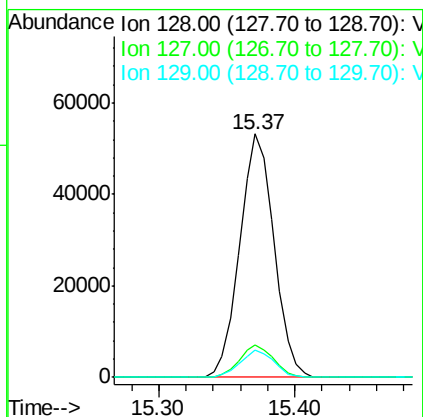
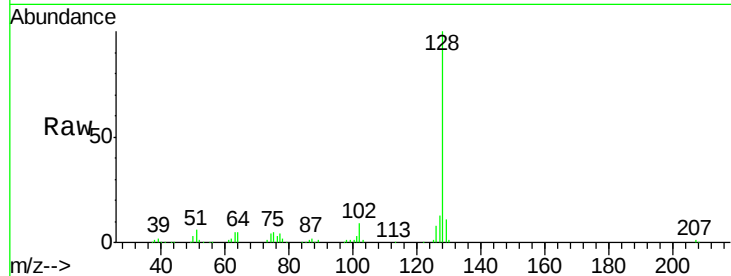
#95
Naphthalene
Concen: 18.870 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	93654		
127	13.4		10.6	15.8
129	10.8		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.876 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010450.D
Acq: 20 May 2019 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	38915		
182	94.4		47.1	141.3
145	35.7		17.4	52.3

