

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015217.D
 Acq On : 20 Apr 2020 12:31
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:11 AM

Quant Time: Apr 20 13:54:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 13:45:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	223643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	315262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	153704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	17502	8.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.56%	
35) Dibromofluoromethane	7.88	113	16315	9.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.72%	
50) Toluene-d8	10.32	98	71969	10.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.32%	
62) 4-Bromofluorobenzene	12.62	95	26633	10.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	18643	14.765	ug/l	94
3) Chloromethane	2.21	50	20782	10.530	ug/l	99
4) Vinyl Chloride	2.36	62	23934	10.299	ug/l	98
5) Bromomethane	2.77	94	16681	13.634	ug/l	90
6) Chloroethane	2.92	64	15175	13.237	ug/l	97
7) Trichlorofluoromethane	3.26	101	33154	22.263	ug/l	98
8) Diethyl Ether	3.68	74	9248	8.056	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.07	101	20392	9.011	ug/l	92
10) Methyl Iodide	4.28	142	18496	5.473	ug/l	98
11) Tert butyl alcohol	5.17	59	8416	53.610	ug/l #	81
12) 1,1-Dichloroethene	4.04	96	19825	8.506	ug/l	92
13) Acrolein	3.90	56	4121	25.250	ug/l	93
14) Allyl chloride	4.68	41	25696	7.453	ug/l	88
15) Acrylonitrile	5.37	53	17962	37.280	ug/l	97
16) Acetone	4.13	43	17210	45.692	ug/l	95
17) Carbon Disulfide	4.39	76	58036	8.181	ug/l	99
18) Methyl Acetate	4.68	43	8444	7.331	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	44413	14.550	ug/l	96
20) Methylene Chloride	4.92	84	22602	8.665	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	21805	8.867	ug/l	96
22) Diisopropyl ether	6.32	45	48250	6.939	ug/l #	90
23) Vinyl Acetate	6.26	43	145141	35.941	ug/l	97
24) 1,1-Dichloroethane	6.22	63	33154	8.019	ug/l	96
25) 2-Butanone	7.17	43	22195	36.824	ug/l #	89
26) 2,2-Dichloropropane	7.17	77	36356	13.213	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	22972	8.665	ug/l	99
28) Bromochloromethane	7.51	49	11880	6.876	ug/l #	79
29) Tetrahydrofuran	7.54	42	13833	35.012	ug/l	91
30) Chloroform	7.68	83	35877	8.859	ug/l	100
31) Cyclohexane	7.95	56	36118	8.173	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	35956	10.540	ug/l	98
36) 1,1-Dichloropropene	8.09	75	29189	10.364	ug/l	97
37) Ethyl Acetate	7.25	43	10392	8.866	ug/l #	93
38) Carbon Tetrachloride	8.07	117	31541	12.181	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	39729	10.497	ug/l	95
40) Benzene	8.32	78	76841	9.608	ug/l	96
41) Methacrylonitrile	7.49	41	5328	7.682	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	22730	11.199	ug/l	99
43) Isopropyl Acetate	8.43	43	20728	9.049	ug/l	96
44) Trichloroethene	9.09	130	24142	11.489	ug/l	96
45) 1,2-Dichloropropane	9.37	63	18335	9.318	ug/l	96
46) Dibromomethane	9.46	93	10594	10.774	ug/l	90
47) Bromodichloromethane	9.65	83	27734	10.878	ug/l	97
48) Methyl methacrylate	9.43	41	9805	9.151	ug/l	92
49) 1,4-Dioxane	9.45	88	2908	186.402	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	48169	39.759	ug/l	95
52) Toluene	10.39	92	54311	10.610	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	26674	10.283	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	31657	10.116	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	14892	10.688	ug/l	94
56) Ethyl methacrylate	10.65	69	19130	9.963	ug/l	92
57) 1,3-Dichloropropane	10.93	76	24276	9.913	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	42334	44.550	ug/l	91
59) 2-Hexanone	10.97	43	35020	46.057	ug/l	98
60) Dibromochloromethane	11.13	129	18858	11.343	ug/l	97
61) 1,2-Dibromoethane	11.24	107	14050	10.463	ug/l	95
64) Tetrachloroethene	10.86	164	21612	12.473	ug/l	90
65) Chlorobenzene	11.66	112	58973	10.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	20873	10.881	ug/l	97
67) Ethyl Benzene	11.73	91	109509	10.451	ug/l	100
68) m/p-Xylenes	11.84	106	85580	21.522	ug/l	99
69) o-Xylene	12.16	106	39280	10.539	ug/l	100
70) Styrene	12.18	104	66662	10.588	ug/l	100
71) Bromoform	12.35	173	11651	12.229	ug/l #	92
73) Isopropylbenzene	12.46	105	110839	9.670	ug/l	100
74) N-amyl acetate	12.27	43	19713	7.398	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	16340	8.508	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	12620m	9.591	ug/l	
77) Bromobenzene	12.74	156	24597	10.358	ug/l	87
78) n-propylbenzene	12.80	91	128809	9.318	ug/l	97
79) 2-Chlorotoluene	12.89	91	72171	9.444	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	92724	9.607	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5761	8.471	ug/l	92
82) 4-Chlorotoluene	12.99	91	75769	9.385	ug/l	97
83) tert-Butylbenzene	13.21	119	82917	9.908	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	90393	9.423	ug/l	99
85) sec-Butylbenzene	13.38	105	113952	9.581	ug/l	97
86) p-Isopropyltoluene	13.50	119	105144	9.907	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	50065	10.582	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	48568	10.347	ug/l	98
89) n-Butylbenzene	13.82	91	95049	9.059	ug/l	98
90) Hexachloroethane	14.09	117	18869	9.247	ug/l	75
91) 1,2-Dichlorobenzene	13.87	146	43384	10.314	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	3086	9.924	ug/l	94

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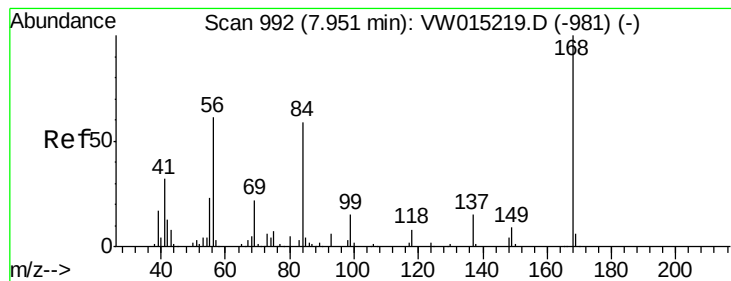
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	29406	10.595	ug/l	98
94) Hexachlorobutadiene	15.24	225	20321	12.690	ug/l	99
95) Naphthalene	15.36	128	48234	9.033	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	24518	10.293	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 223643

Ion Ratio Lower Upper

168 100

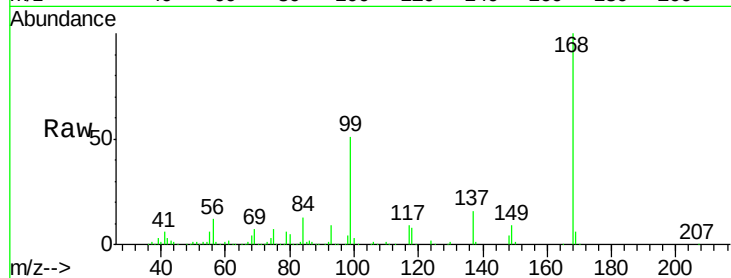
99 50.8 48.5 72.7

Manual Integrations

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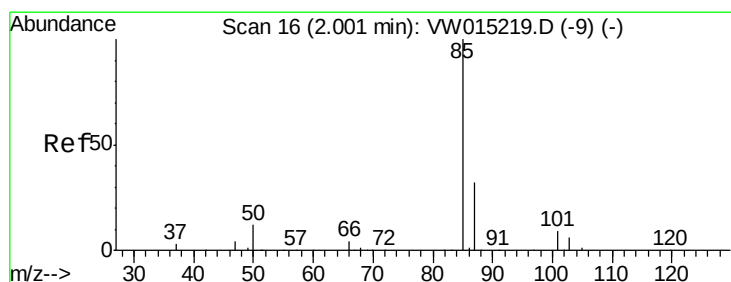
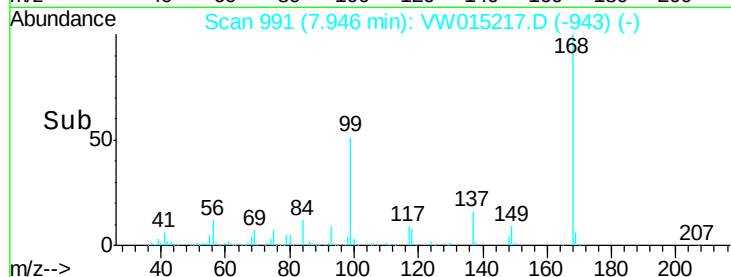
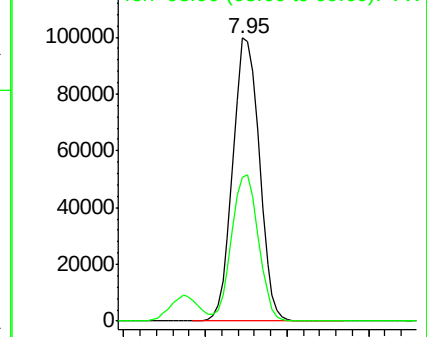
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 14.765 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015217.D

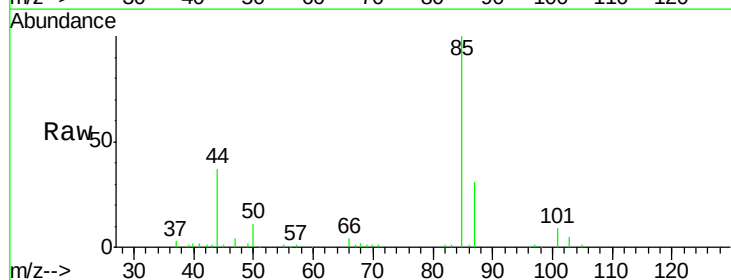
Acq: 20 Apr 2020 12:31

Tgt Ion: 85 Resp: 18643

Ion Ratio Lower Upper

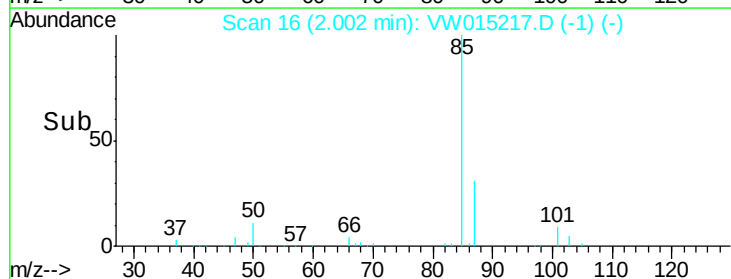
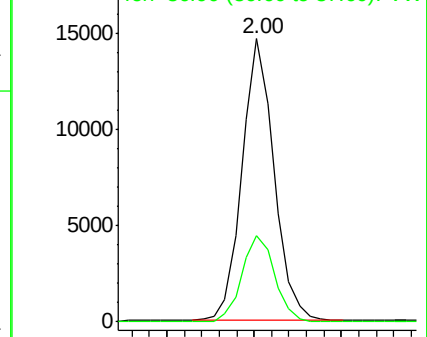
85 100

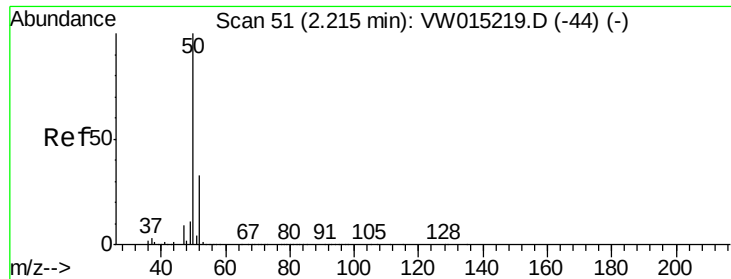
87 30.8 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 10.530 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 20782

Ion Ratio Lower Upper

50 100

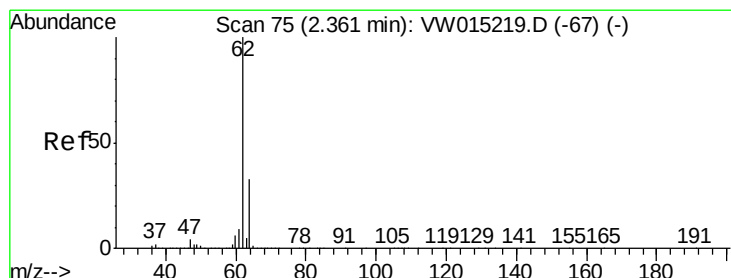
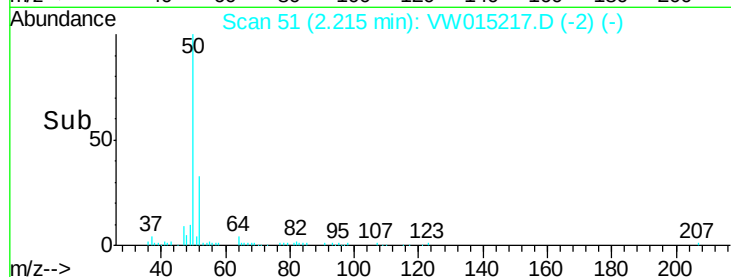
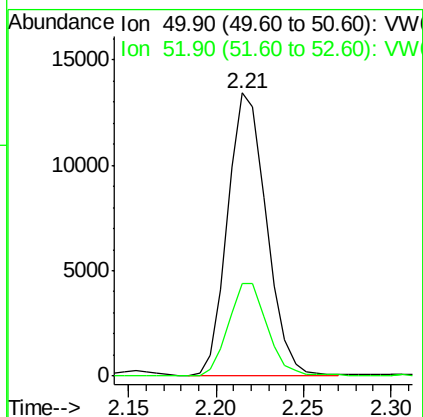
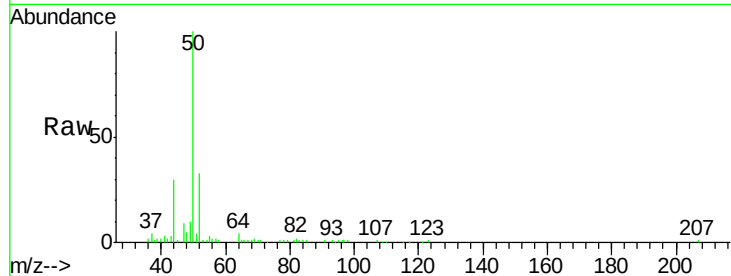
52 32.7 26.5 39.7

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#4

Vinyl Chloride

Concen: 10.299 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015217.D

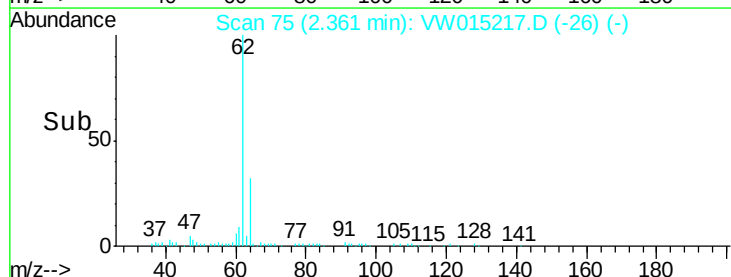
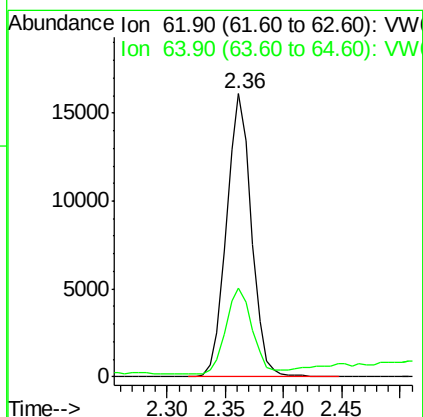
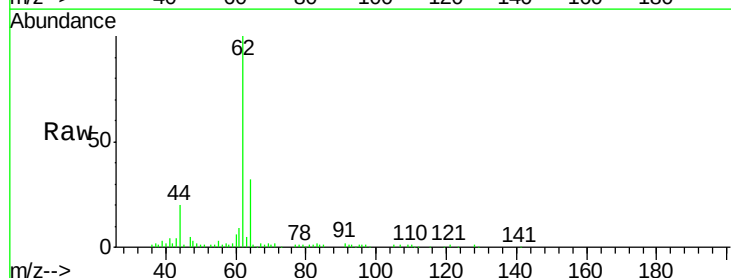
Acq: 20 Apr 2020 12:31

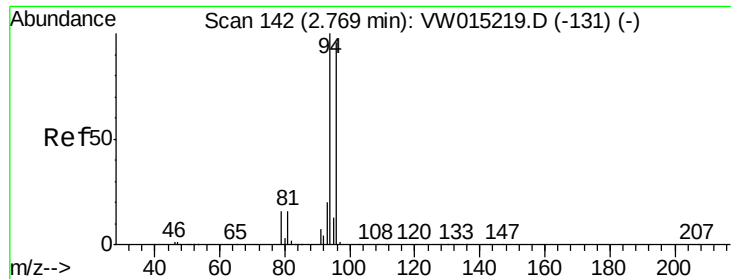
Tgt Ion: 62 Resp: 23934

Ion Ratio Lower Upper

62 100

64 30.5 25.4 38.2





#5

Bromomethane

Concen: 13.634 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 16681

Ion Ratio Lower Upper

94 100

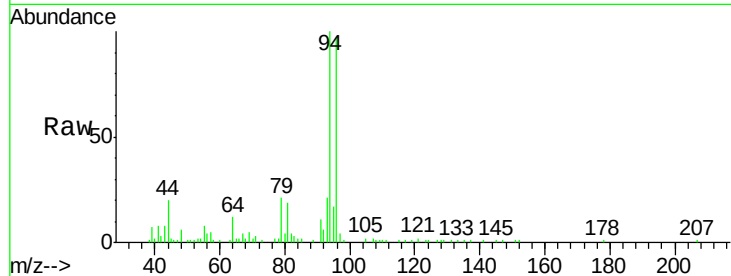
96 96.9 70.4 105.6

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

2.77

10000

8000

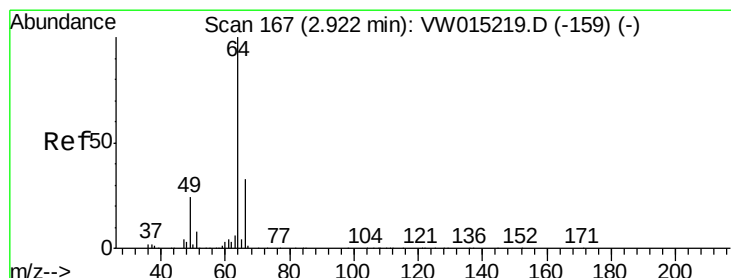
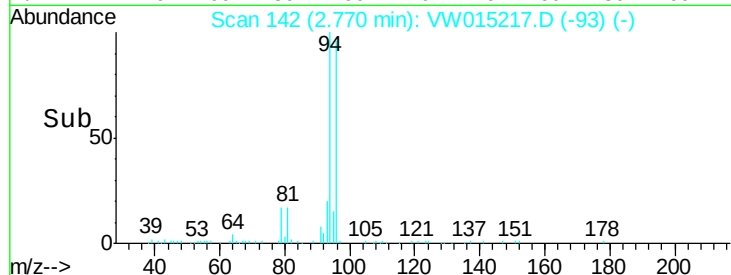
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 13.237 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015217.D

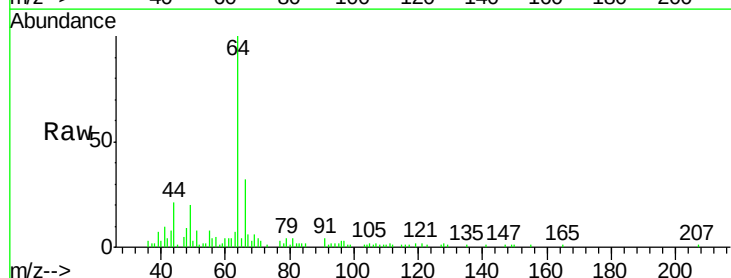
Acq: 20 Apr 2020 12:31

Tgt Ion: 64 Resp: 15175

Ion Ratio Lower Upper

64 100

66 33.7 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

8000

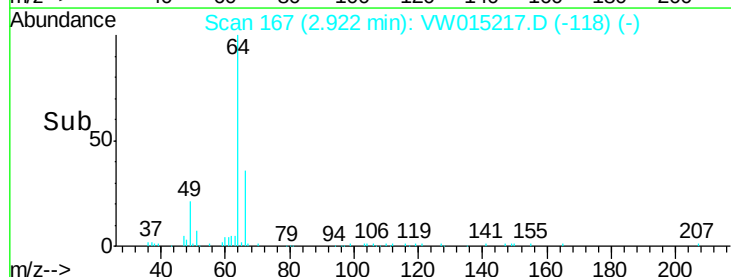
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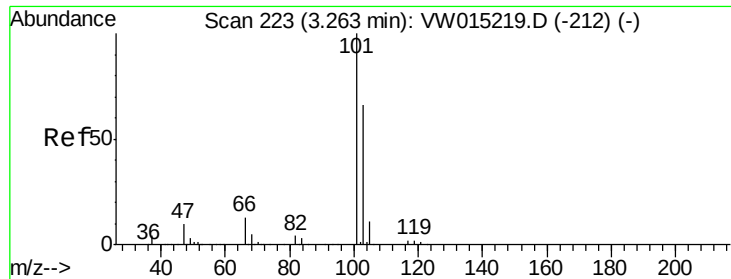
4000

2000

0

Time-->





#7

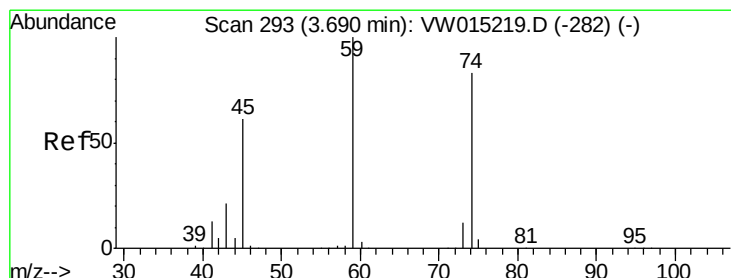
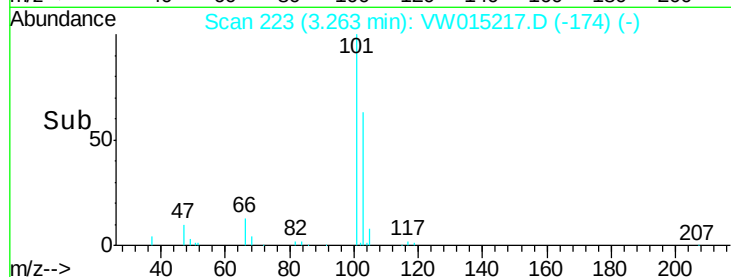
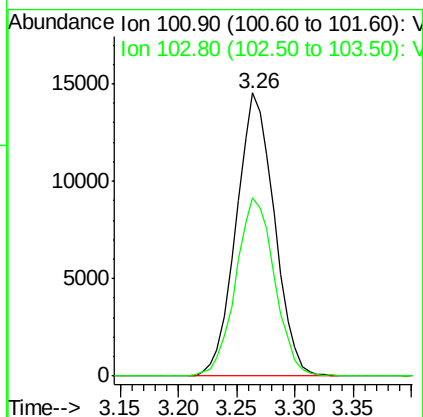
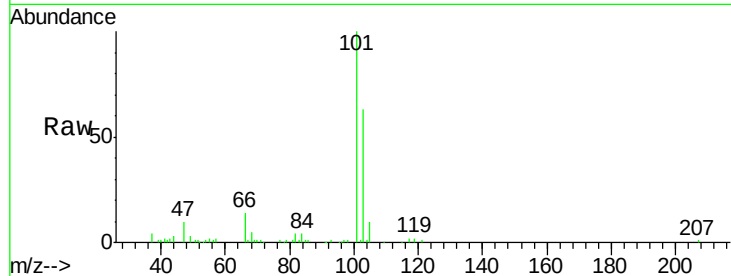
Trichlorofluoromethane
 Concen: 22.263 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.3	76.9

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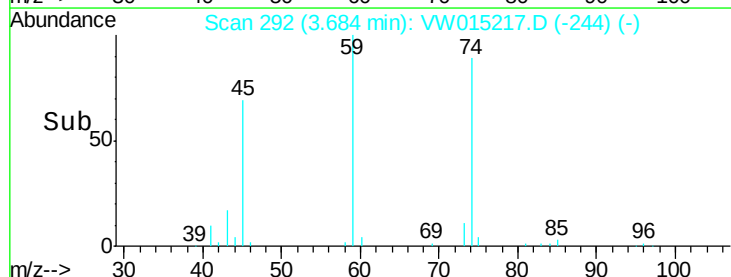
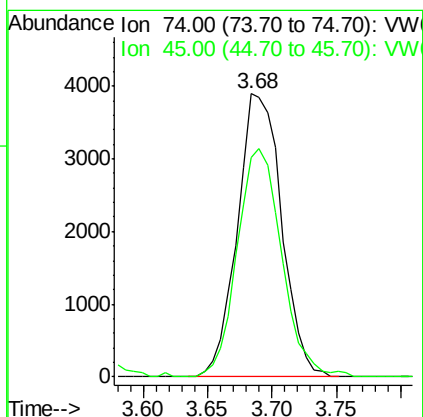
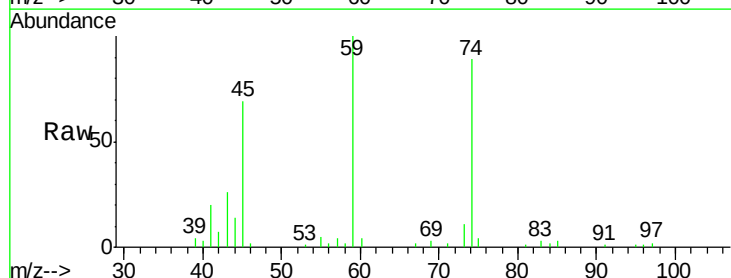
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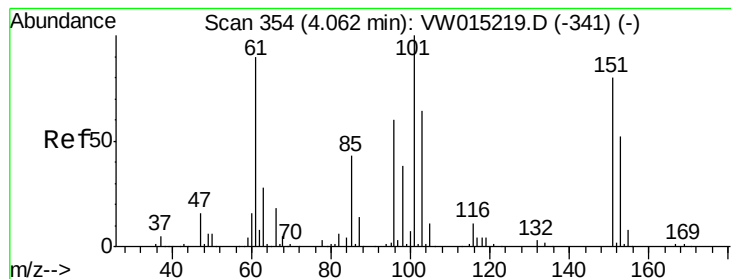


#8

Diethyl Ether
 Concen: 8.056 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.2	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.011 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

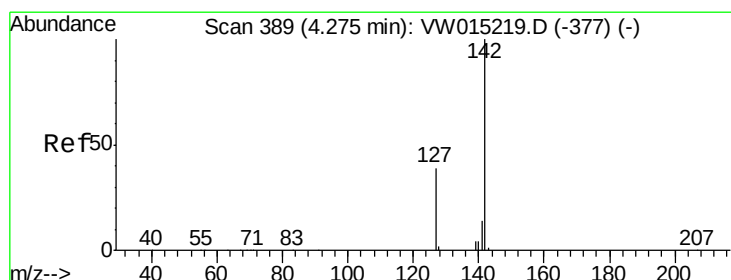
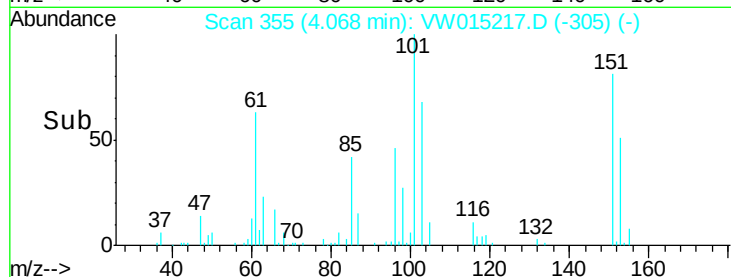
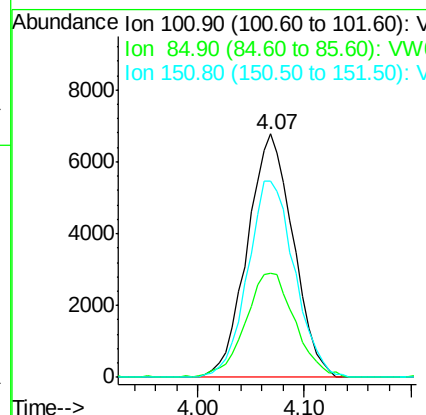
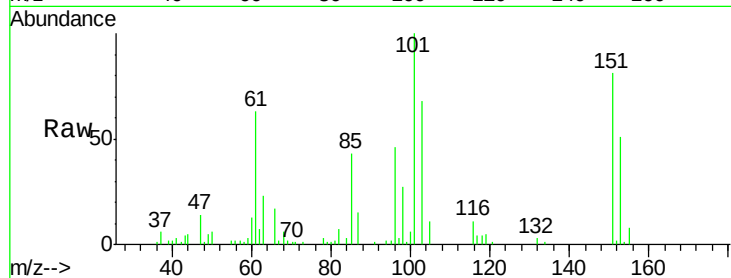
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	20392
Ion Ratio	Lower	Upper	
101	100		
85	46.3	35.3	52.9
151	82.5	59.3	88.9

Manual Integrations
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4/21/2020 10:01:11 AM



#10

Methyl Iodide

Concen: 5.473 ug/l

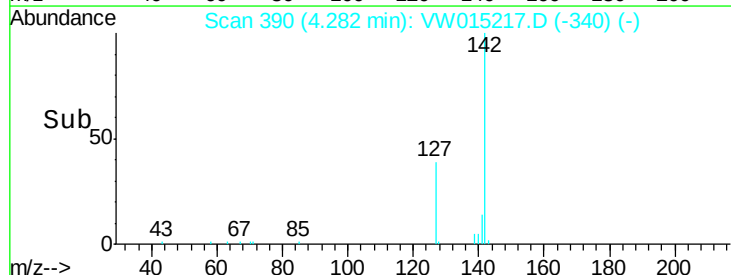
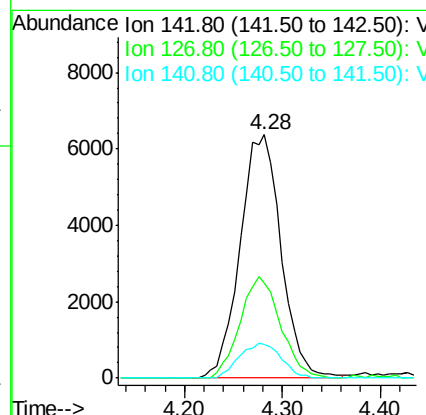
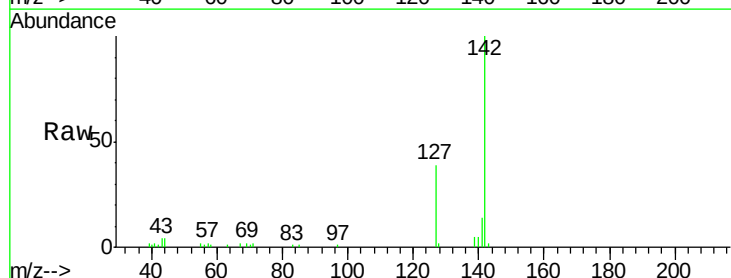
RT: 4.28 min Scan# 390

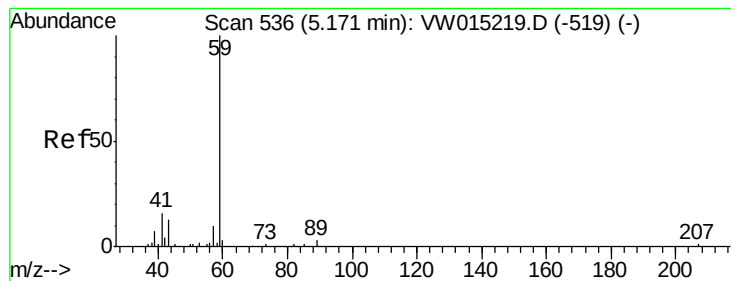
Delta R.T. 0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Tgt Ion:	142	Resp:	18496
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.9	50.9
141	14.5	11.4	17.2





#11

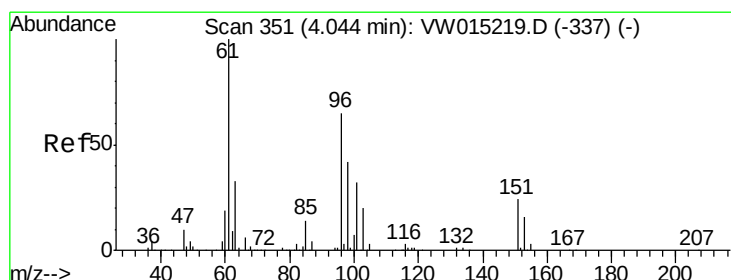
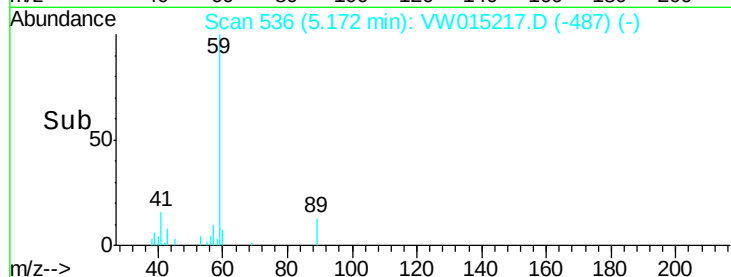
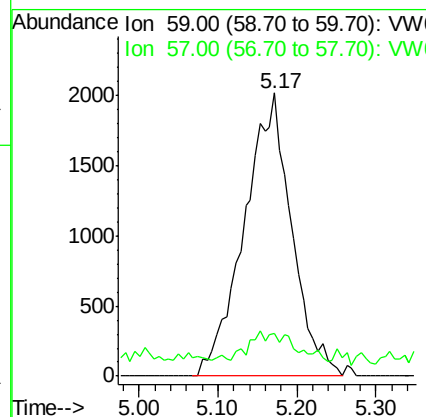
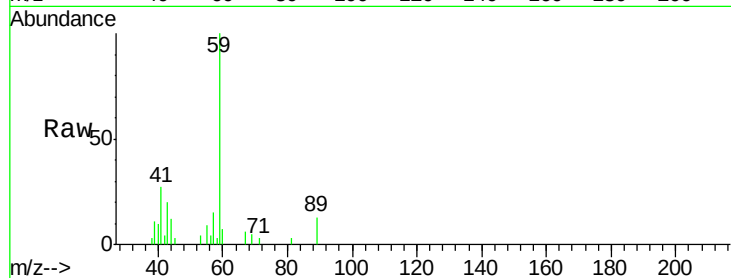
Tert butyl alcohol
 Concen: 53.610 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
59	100	8416		
57	3.6		8.4	12.6#

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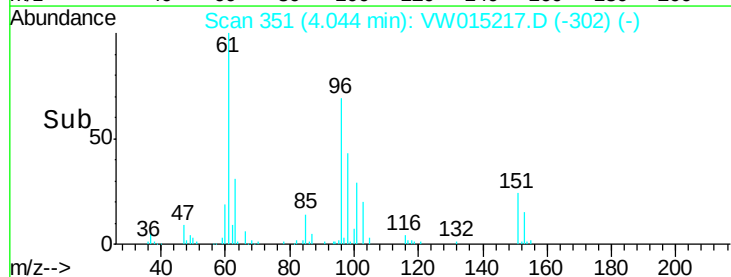
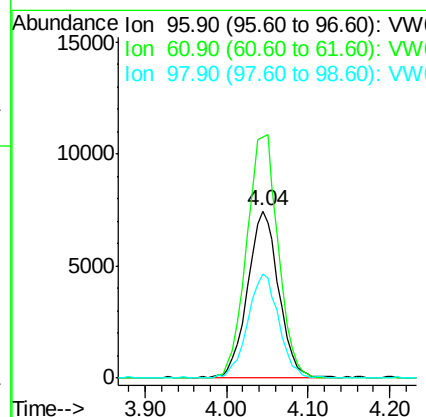
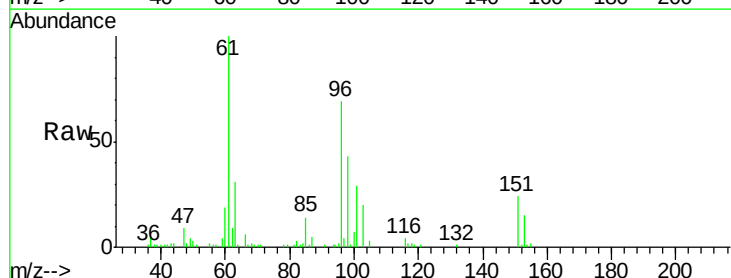
MMDadoda
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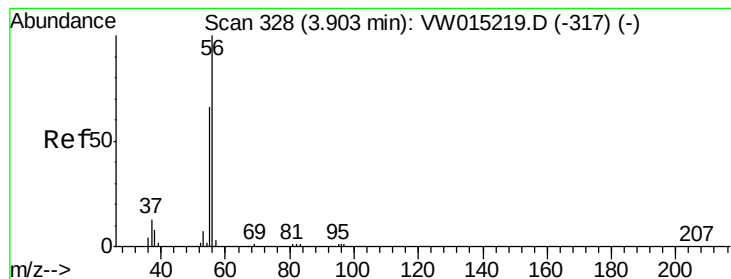


#12

1,1-Dichloroethene
 Concen: 8.506 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	19825		
61	144.2		127.0	190.4
98	62.5		51.0	76.4





#13

Acrolein

Concen: 25.250 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 4121

Ion Ratio Lower Upper

56 100

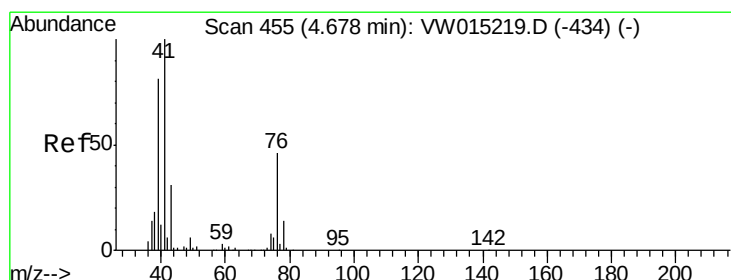
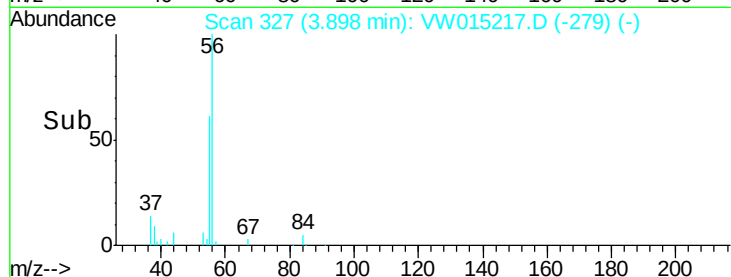
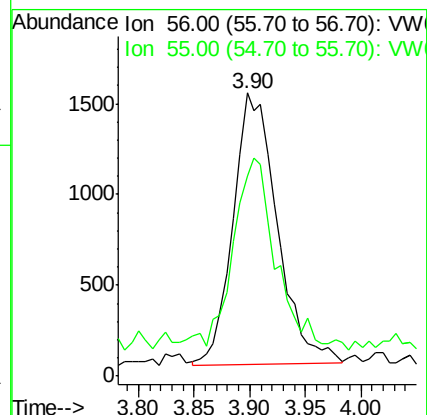
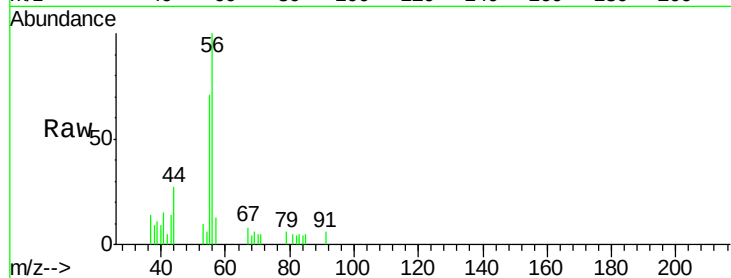
55 64.2 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 7.453 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

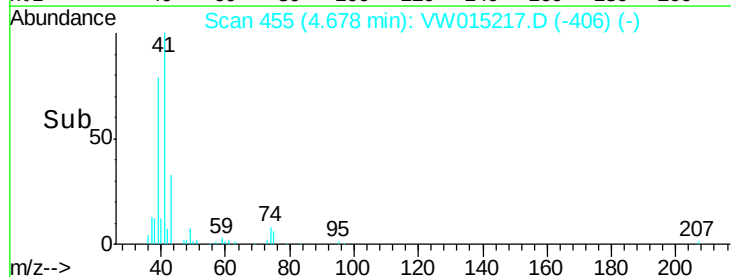
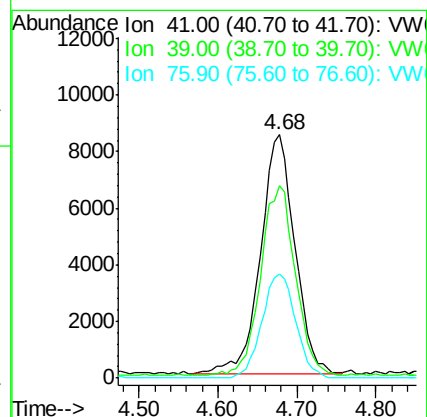
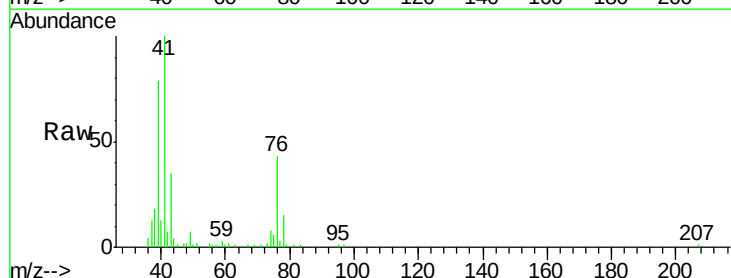
Tgt Ion: 41 Resp: 25696

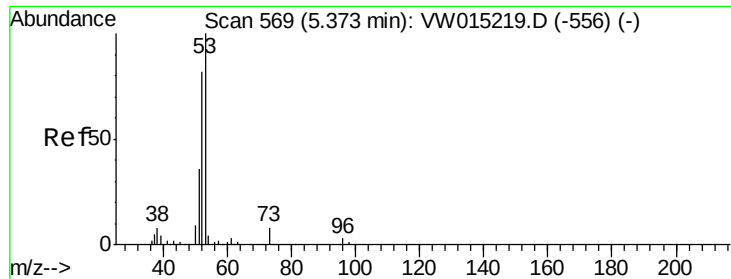
Ion Ratio Lower Upper

41 100

39 80.2 54.0 81.0

76 42.4 31.8 47.6





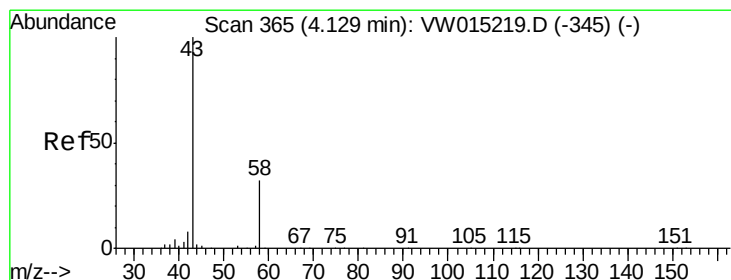
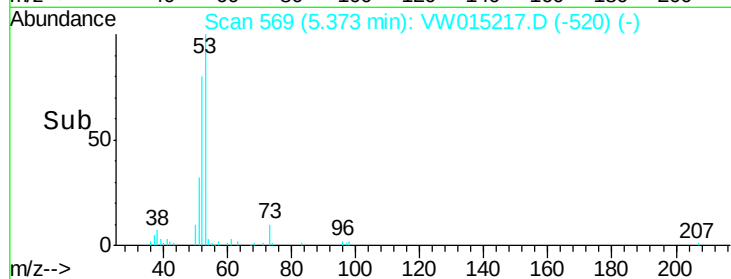
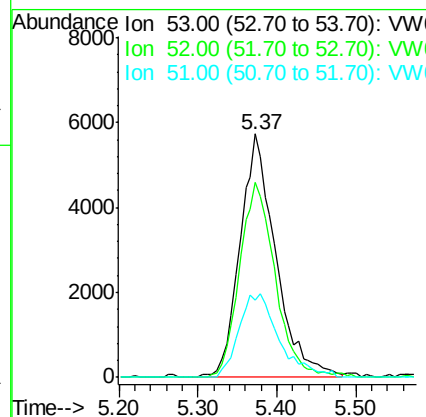
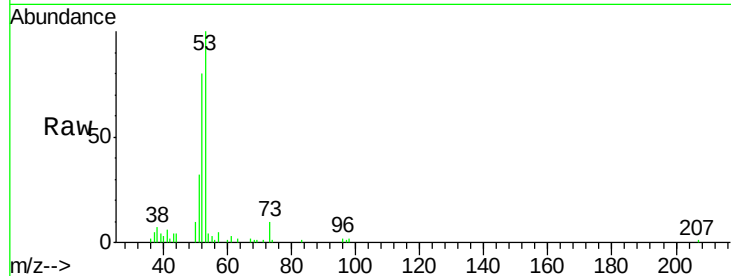
#15
 Acrylonitrile
 Concen: 37.280 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion:	53	Resp:	17962
Ion	Ratio	Lower	Upper
53	100		
52	79.7	65.2	97.8
51	38.6	28.2	42.4

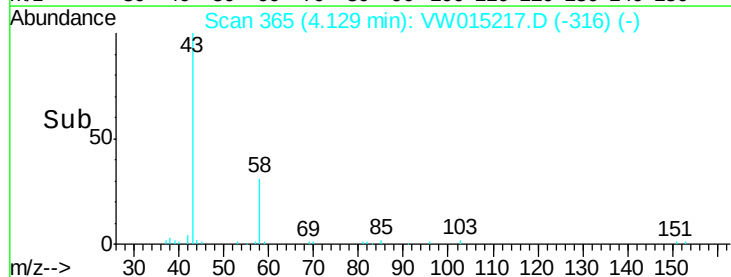
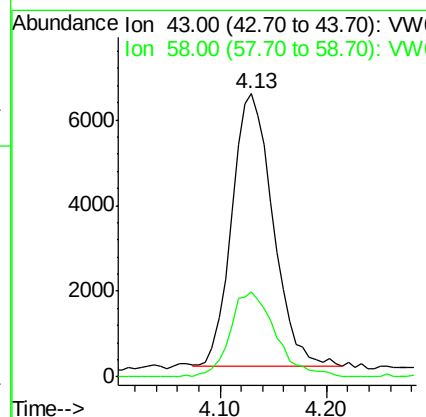
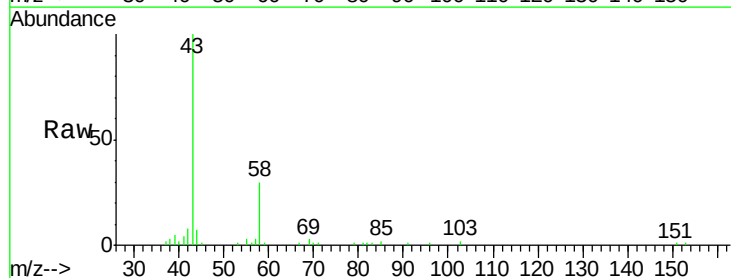
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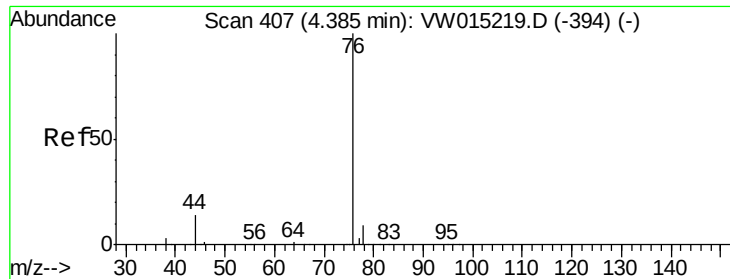
MMDadoda
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#16
 Acetone
 Concen: 45.692 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion:	43	Resp:	17210
Ion	Ratio	Lower	Upper
43	100		
58	31.0	27.0	40.4





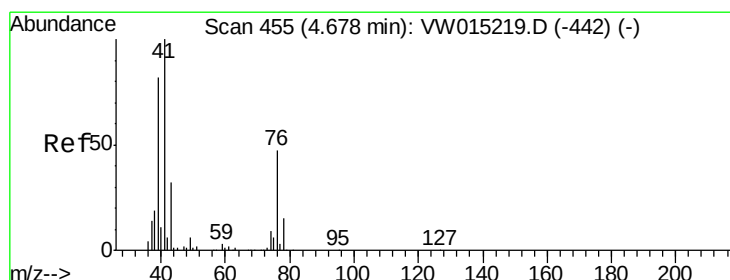
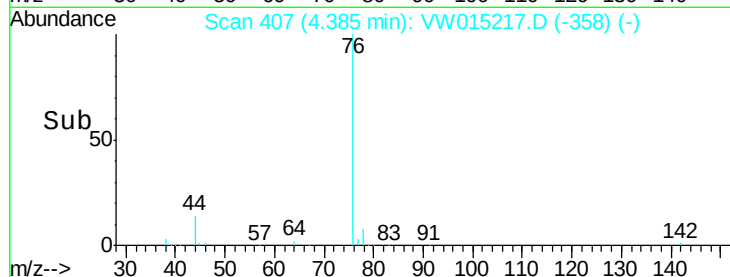
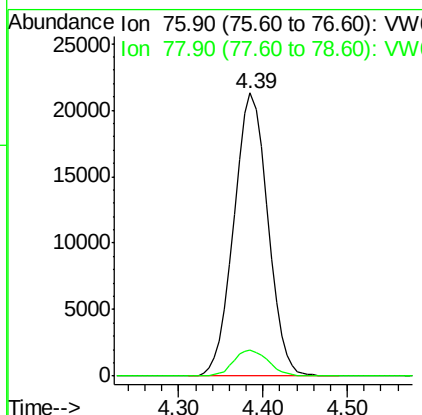
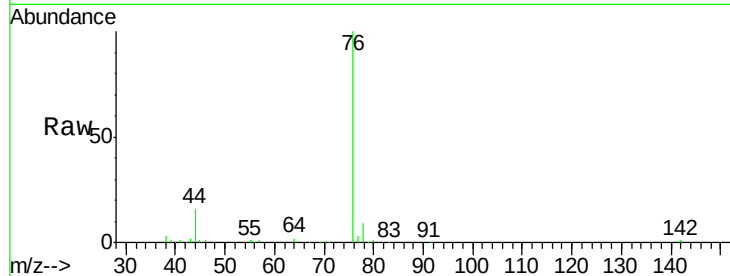
#17
Carbon Disulfide
Concen: 8.181 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

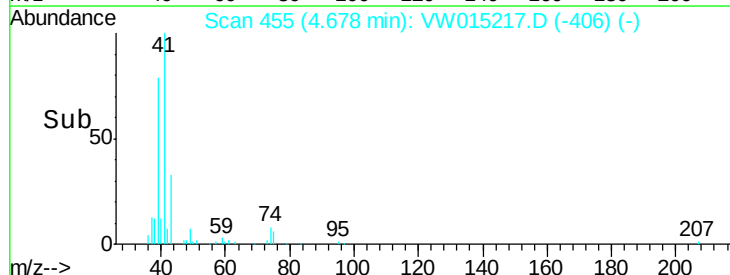
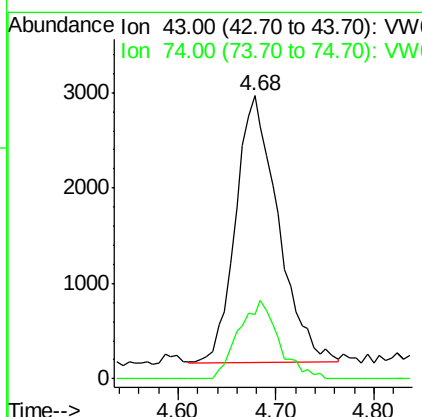
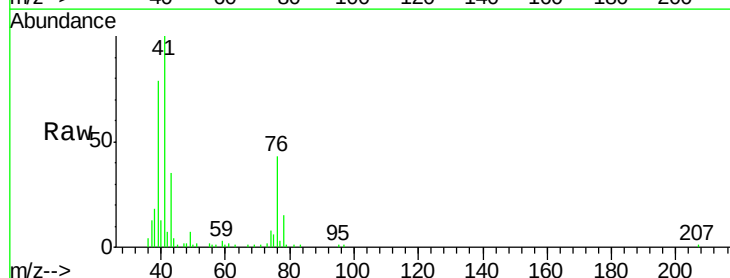
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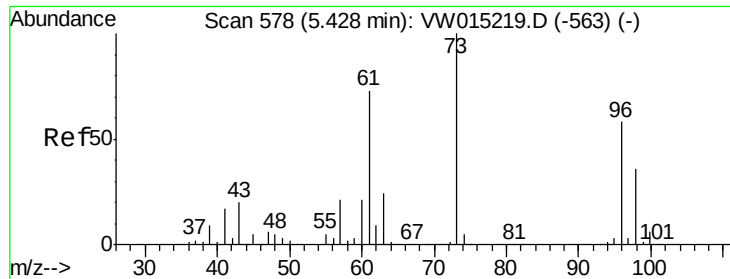
MMDadoda
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#18
Methyl Acetate
Concen: 7.331 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.7	20.6	31.0





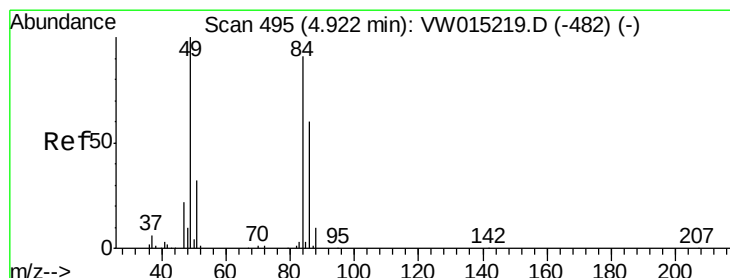
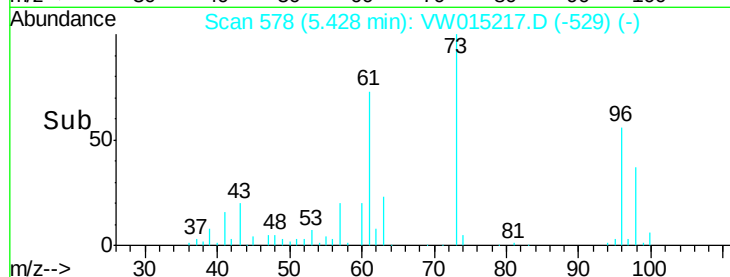
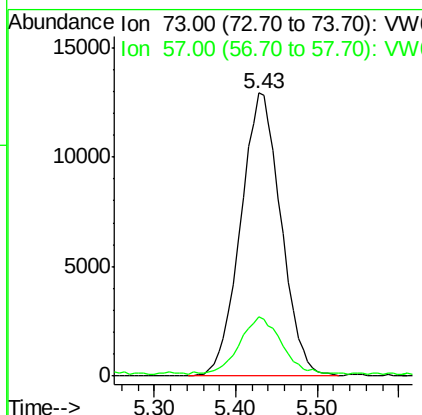
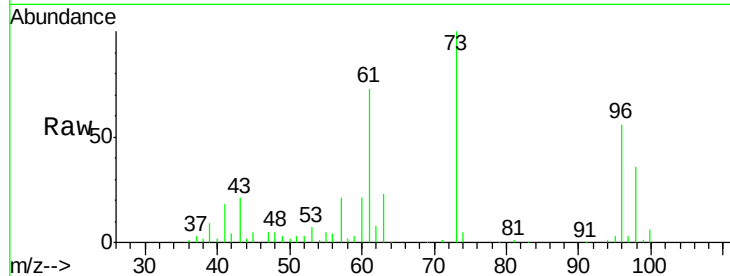
#19
Methyl tert-butyl Ether
Concen: 14.550 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	17.8	26.6

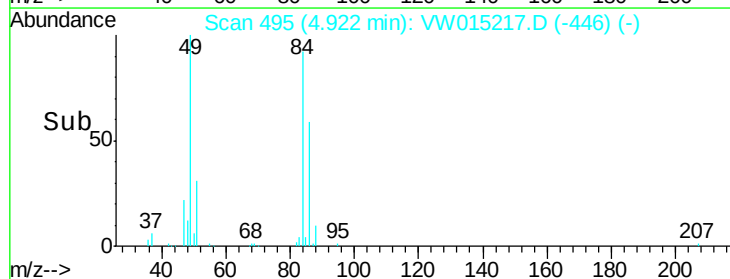
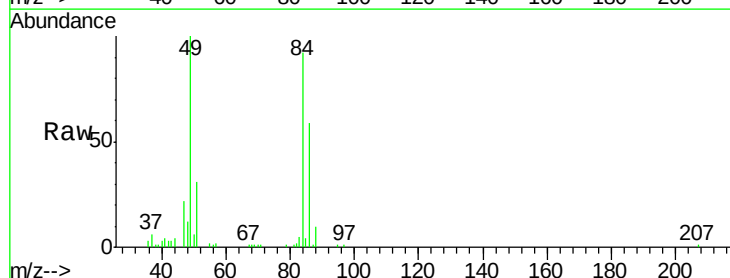
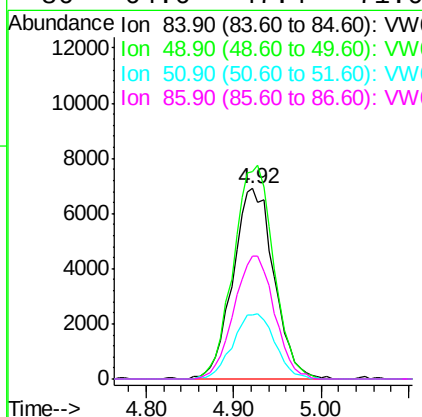
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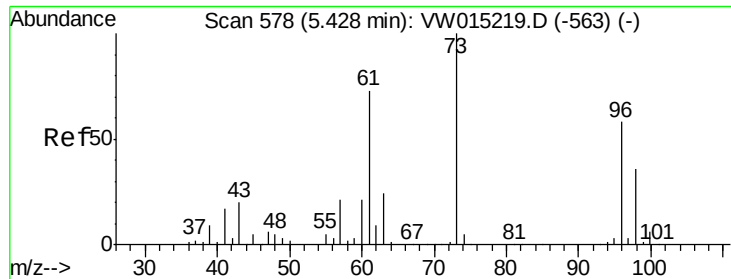
MMDadoda
4/21/2020 10:01:11 AM



#20
Methylene Chloride
Concen: 8.665 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.2	95.4	143.0
51	33.7	29.8	44.8
86	64.6	47.4	71.0





#21

trans-1,2-Dichloroethene

Concen: 8.867 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 21805

Ion Ratio Lower Upper

96 100

61 130.3 107.8 161.6

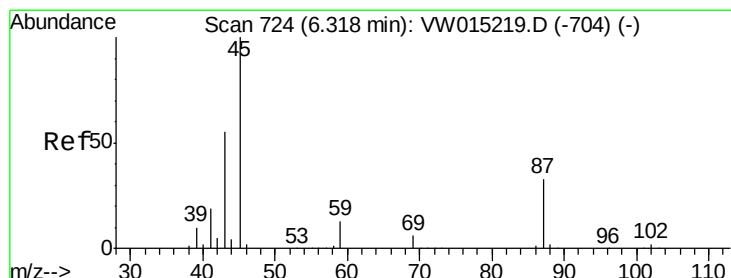
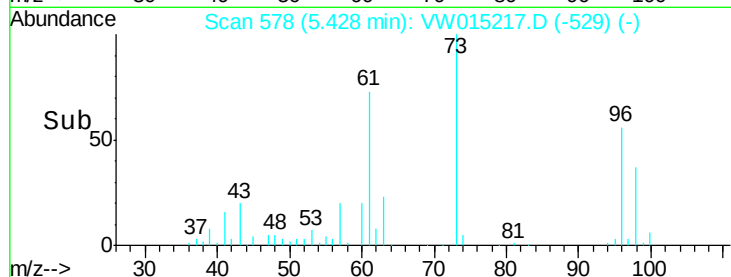
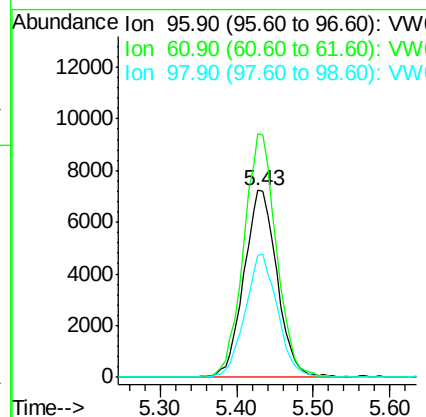
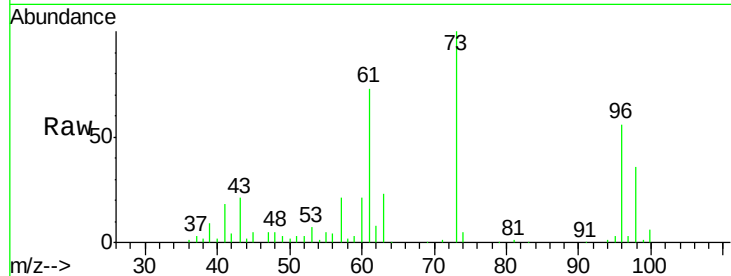
98 65.2 50.2 75.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 6.939 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Tgt Ion: 45 Resp: 48250

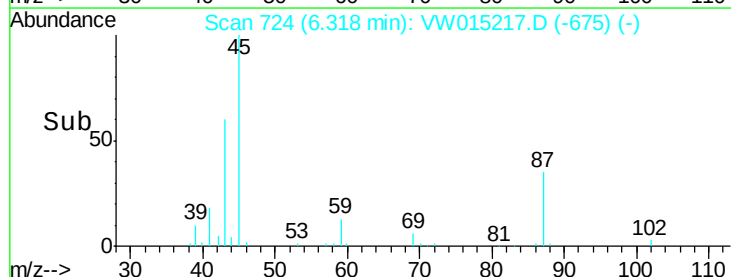
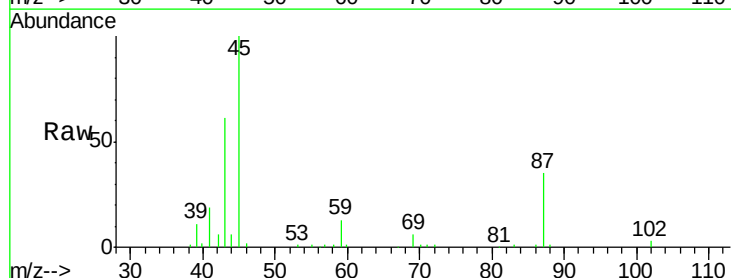
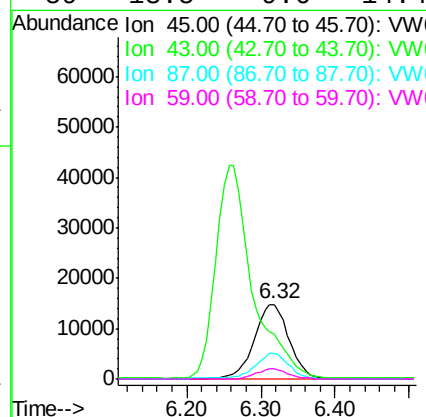
Ion Ratio Lower Upper

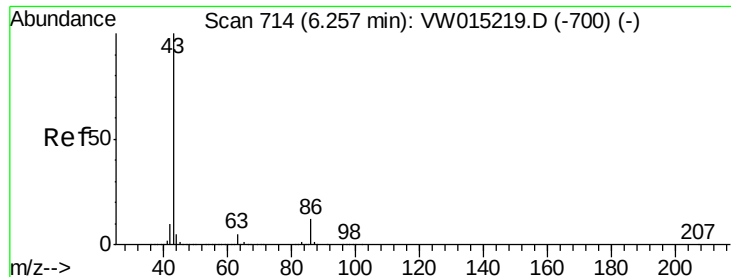
45 100

43 59.1 41.8 62.6

87 35.0 23.2 34.8#

59 13.5 9.6 14.4





#23

Vinyl Acetate

Concen: 35.941 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC010

Tot Ion: 43 Resp: 145141

Ion Ratio Lower Upper

43 100

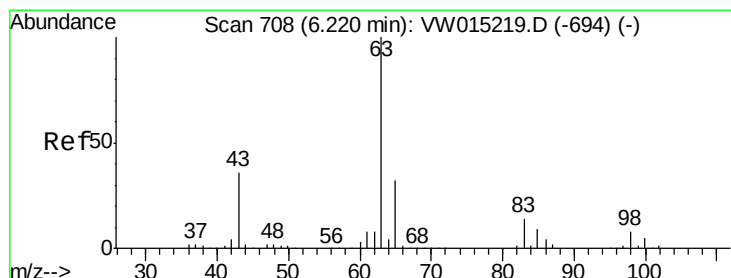
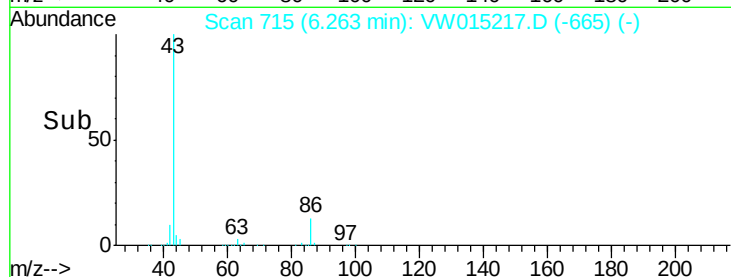
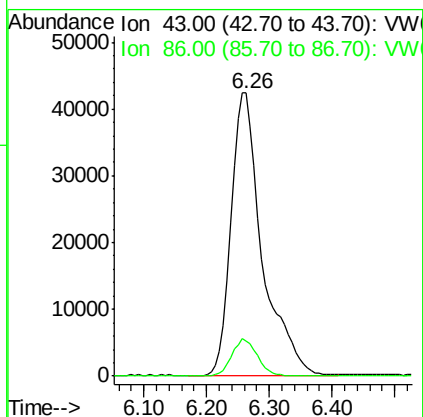
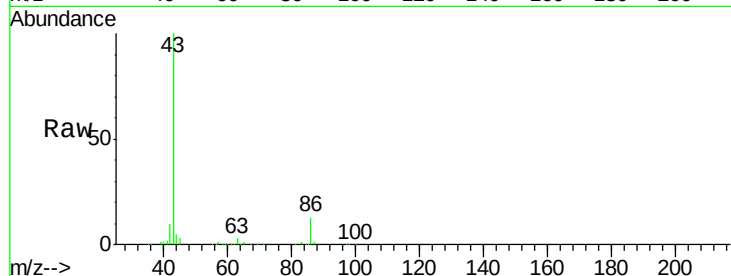
86 12.6 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 8.019 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

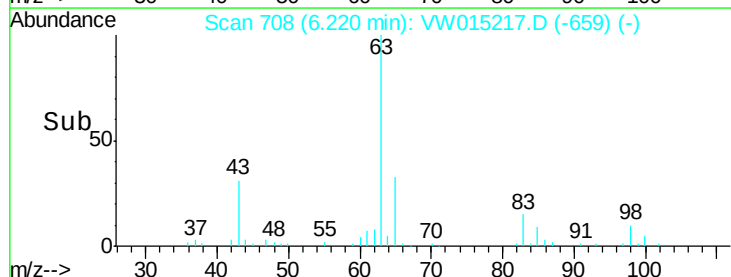
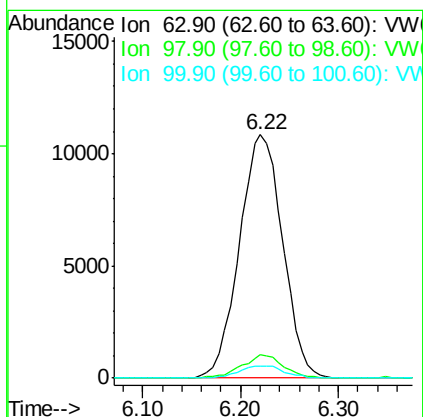
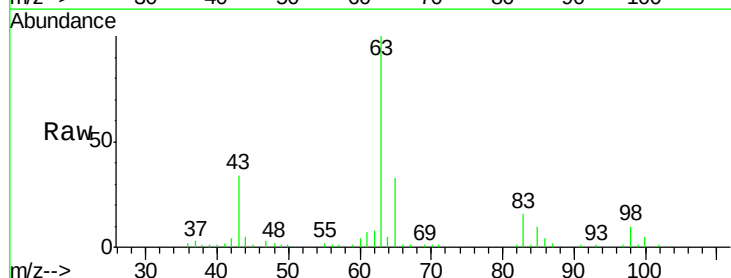
Tgt Ion: 63 Resp: 33154

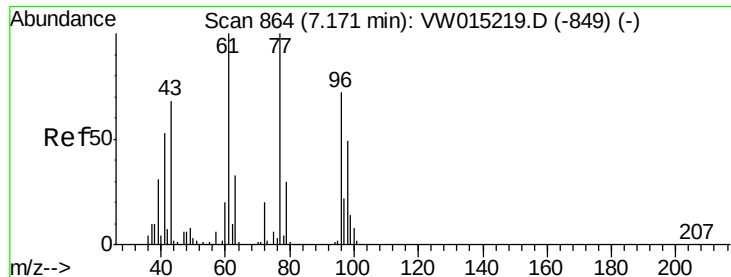
Ion Ratio Lower Upper

63 100

98 9.5 3.6 10.9

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 36.824 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 22195

Ion Ratio Lower Upper

43 100

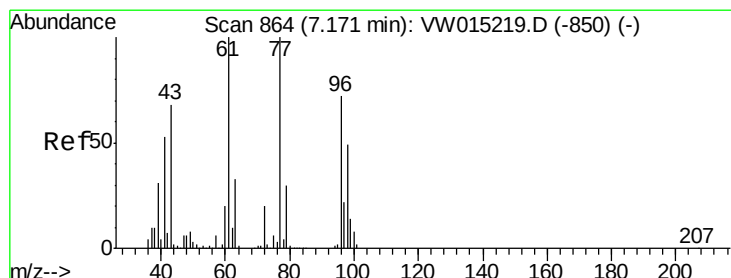
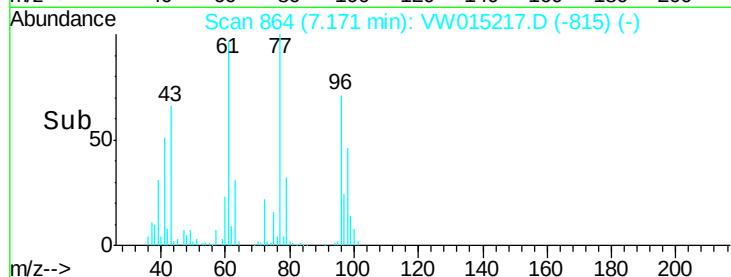
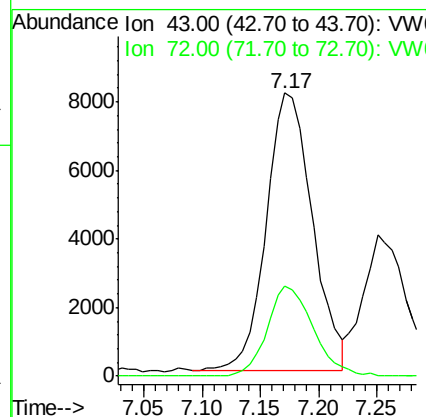
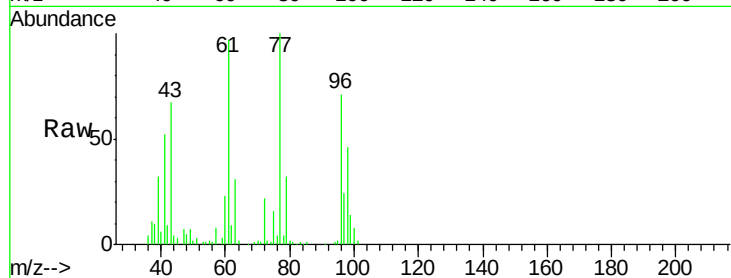
72 32.6 21.6 32.4#

Manual Integrations

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4/21/2020 10:01:11 AM



#26

2,2-Dichloropropane

Concen: 13.213 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015217.D

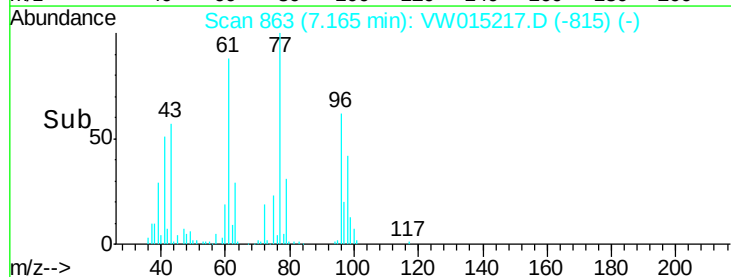
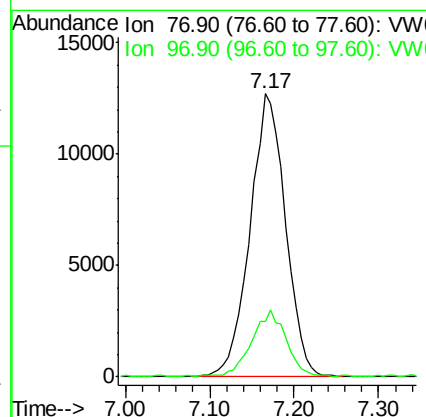
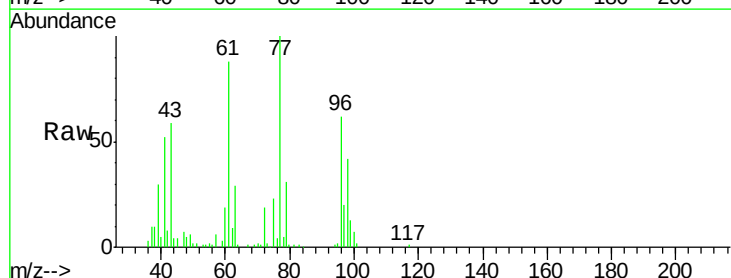
Acq: 20 Apr 2020 12:31

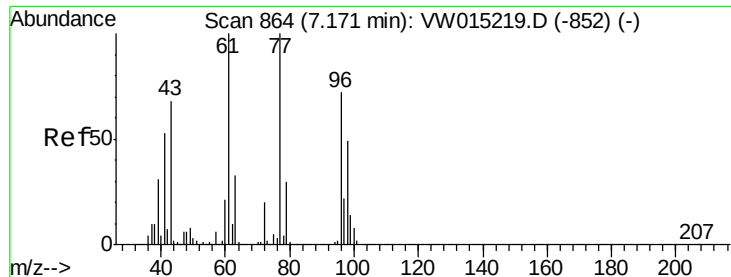
Tgt Ion: 77 Resp: 36356

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.5





#27

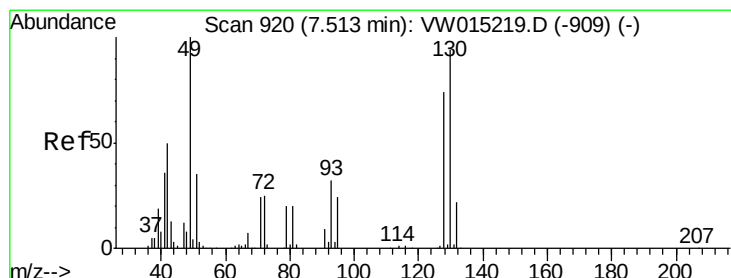
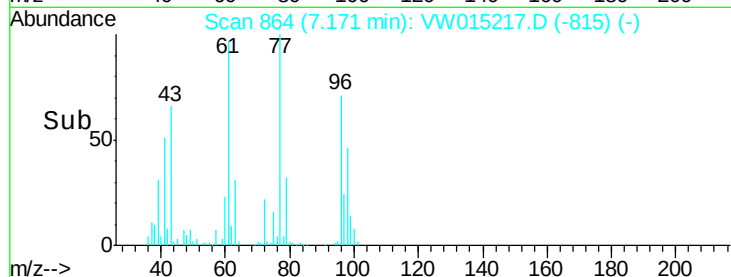
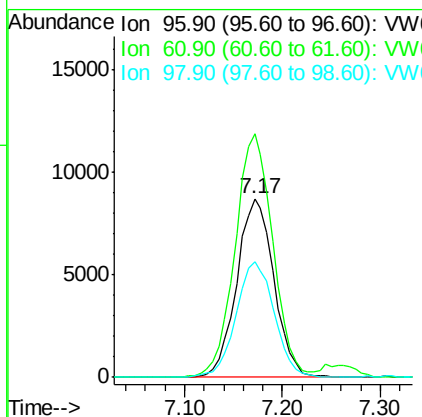
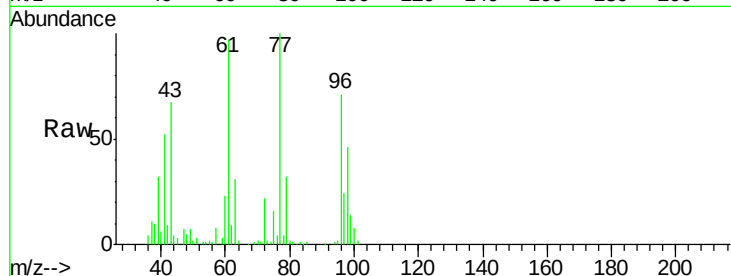
cis-1,2-Dichloroethene
Concen: 8.665 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	275.0
98	66.5	0.0	130.8

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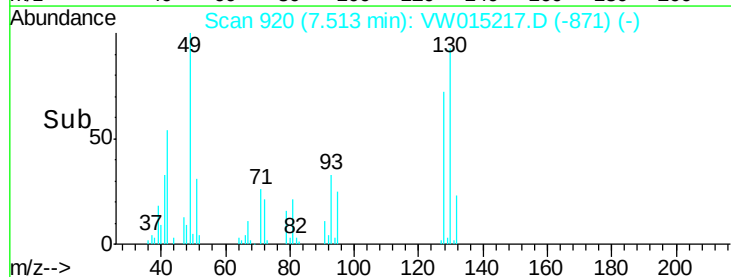
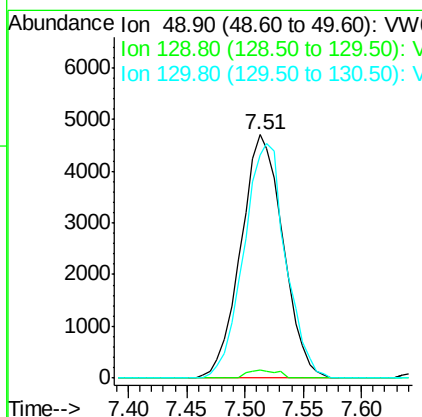
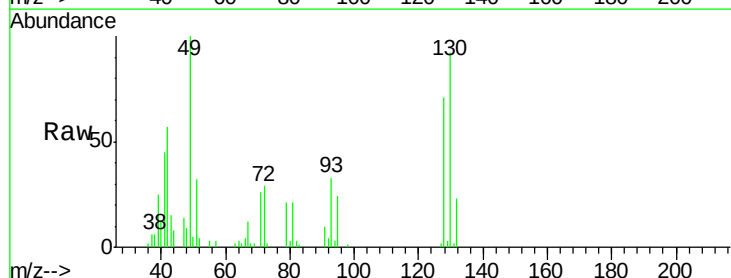
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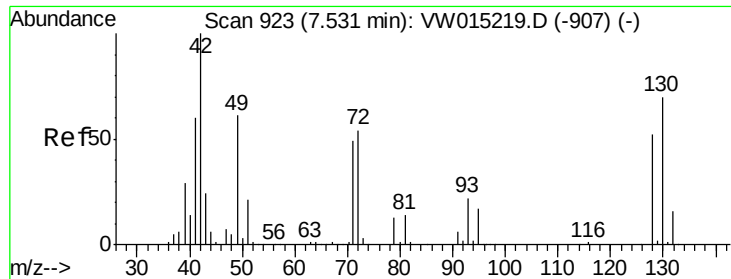


#28

Bromochloromethane
Concen: 6.876 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	95.0	60.9	91.3#





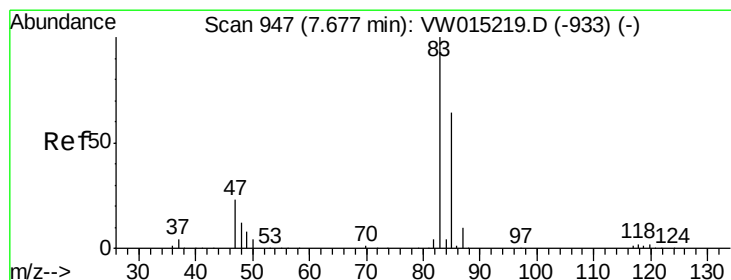
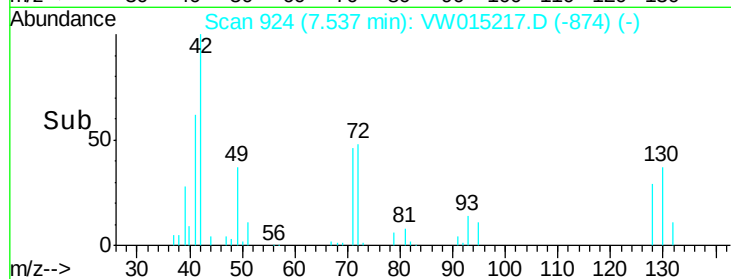
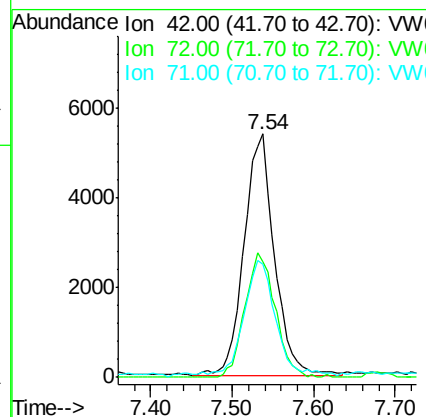
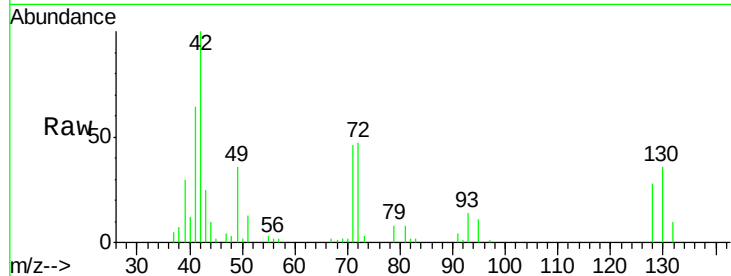
#29
Tetrahydrofuran
Concen: 35.012 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.7	36.2	54.2
71	47.6	34.2	51.4

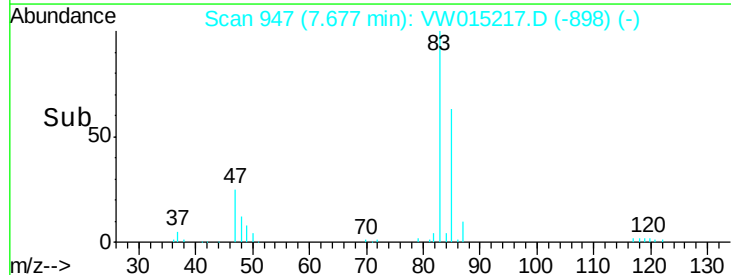
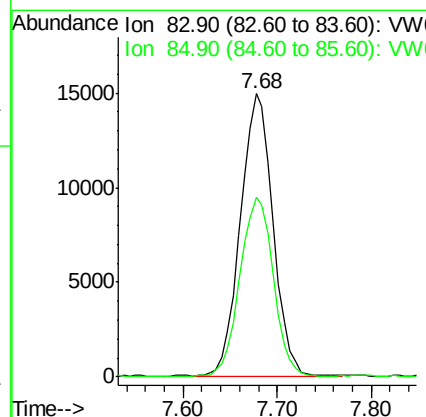
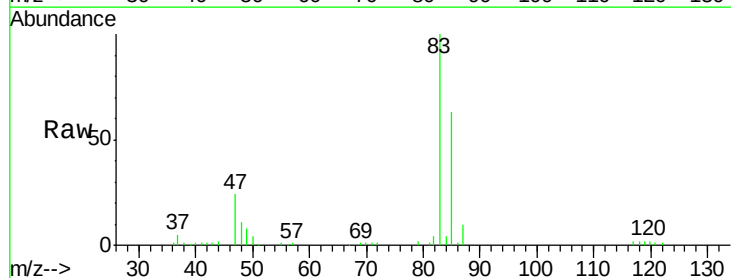
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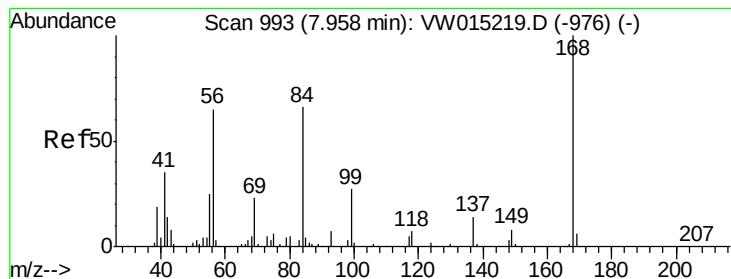
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#30
Chloroform
Concen: 8.859 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.9	76.3





#31

Cyclohexane

Concen: 8.173 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 36118

Ion Ratio Lower Upper

56 100

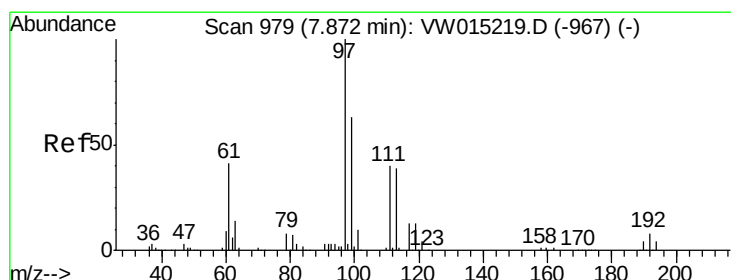
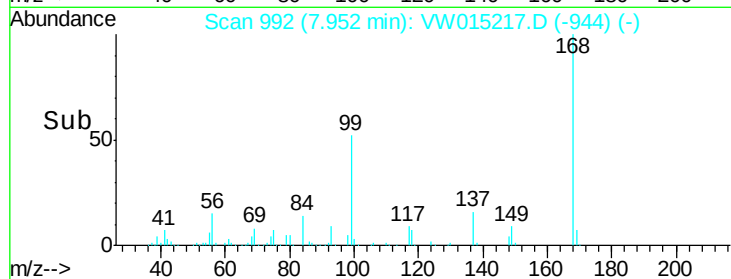
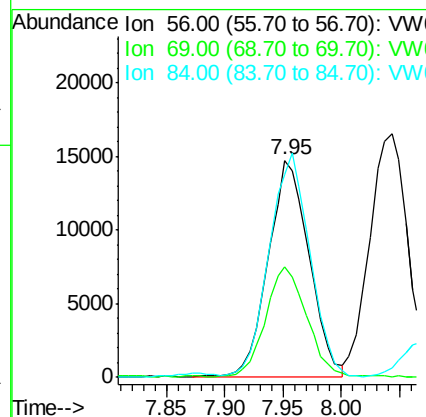
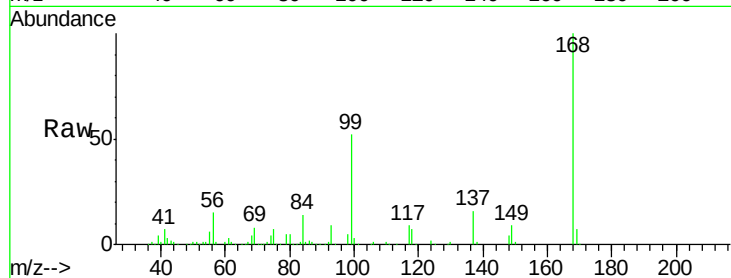
69 50.3 27.1 40.7#

84 91.2 71.9 107.9

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#32

1,1,1-Trichloroethane

Concen: 10.540 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

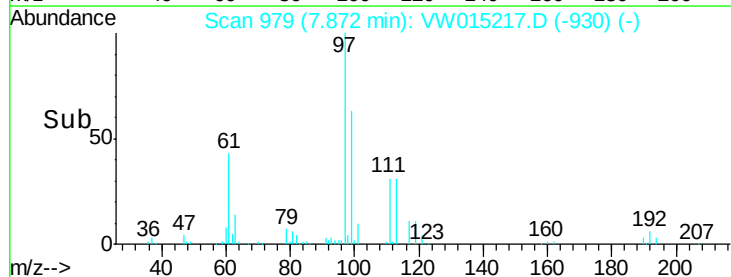
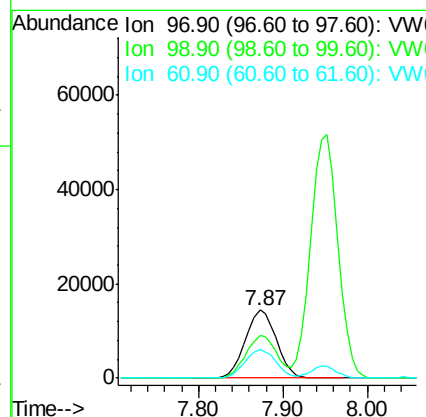
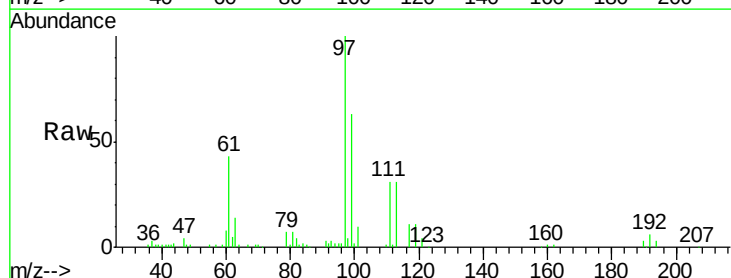
Tgt Ion: 97 Resp: 35956

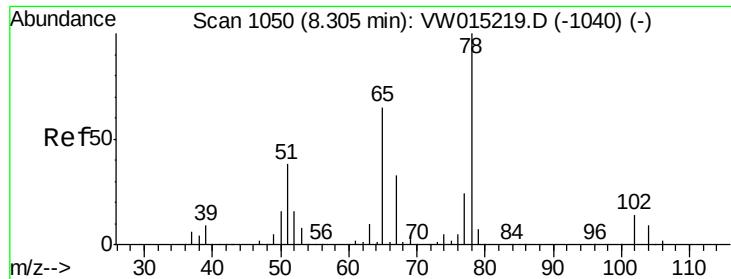
Ion Ratio Lower Upper

97 100

99 63.7 52.2 78.2

61 42.0 34.2 51.2





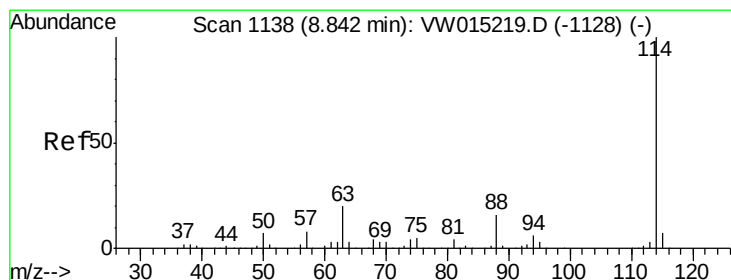
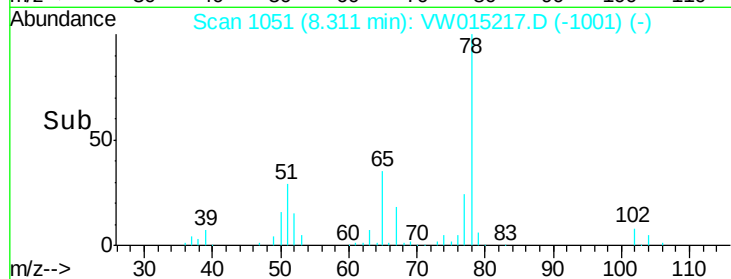
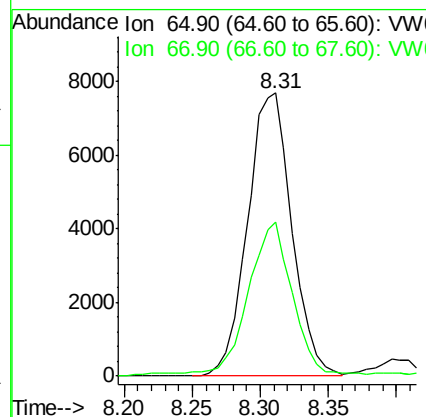
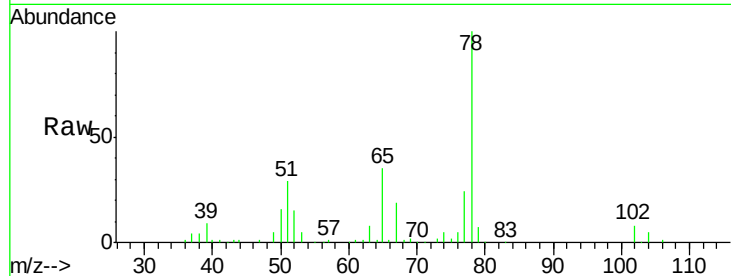
#33
 1,2-Dichloroethane-d4
 Concen: 8.276 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	107.0

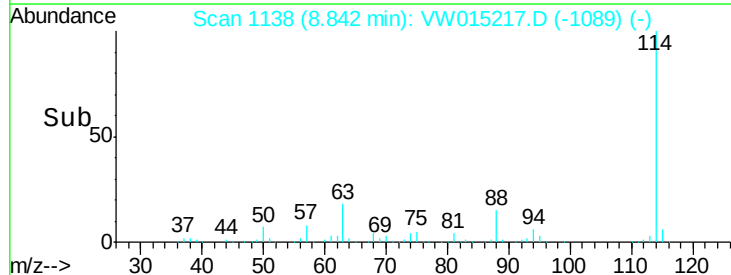
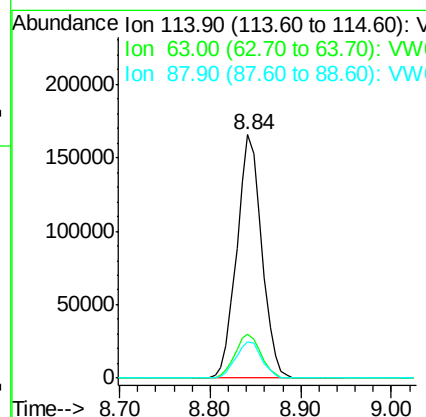
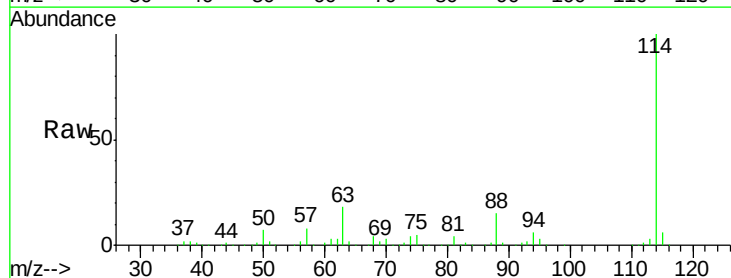
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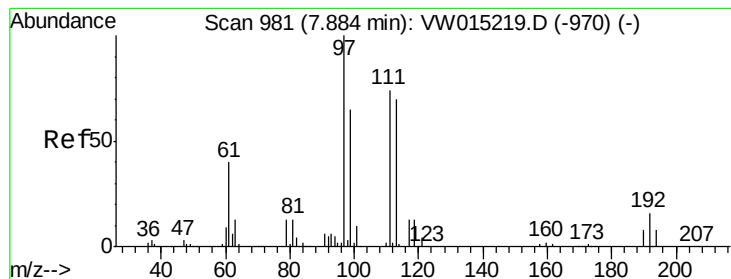
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	39.8
88	14.7	0.0	30.2





#35

Dibromofluoromethane

Concen: 9.358 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

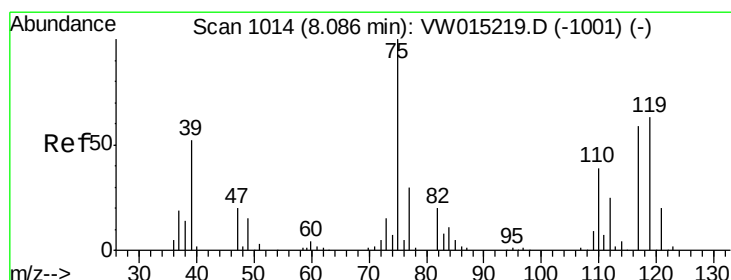
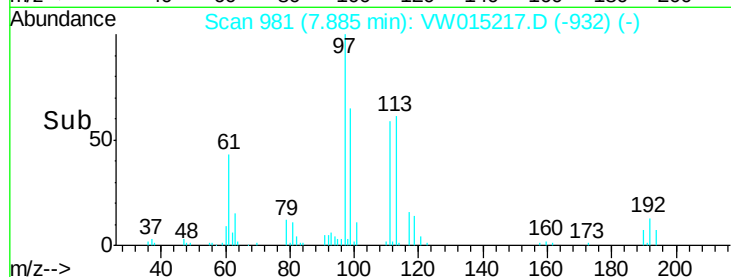
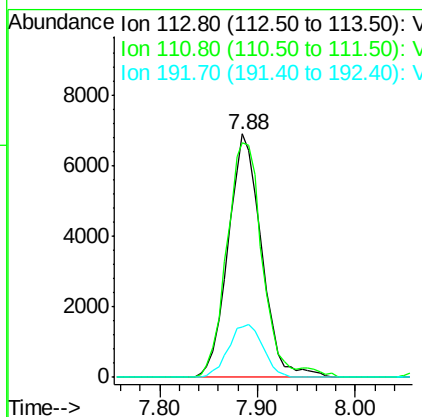
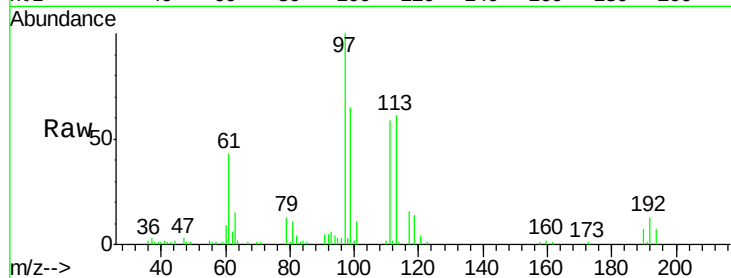
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	16315
Ion Ratio	Lower	Upper	
113	100		
111	100.8	83.0	124.4
192	22.4	15.1	22.7

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#36

1,1-Dichloropropene

Concen: 10.364 ug/l

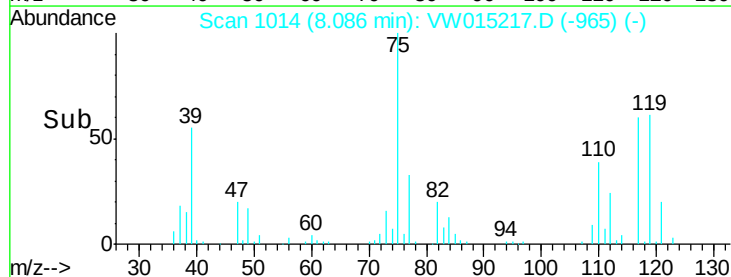
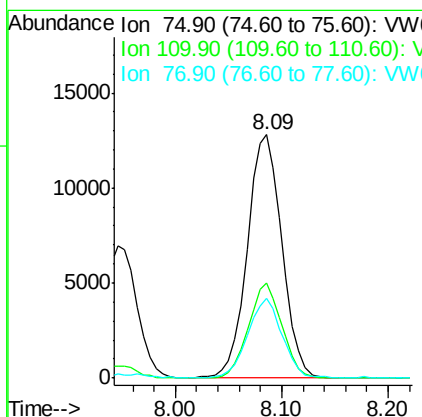
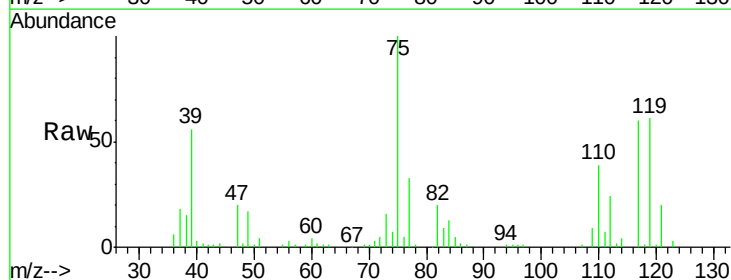
RT: 8.09 min Scan# 1014

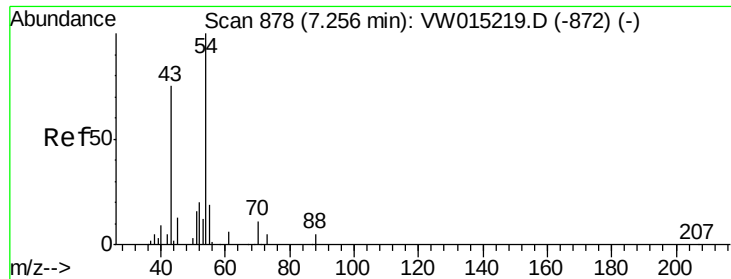
Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Tgt Ion:	75	Resp:	29189
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.2	54.6
77	32.5	24.5	36.7





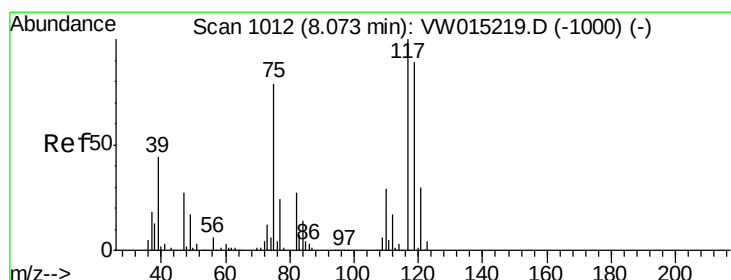
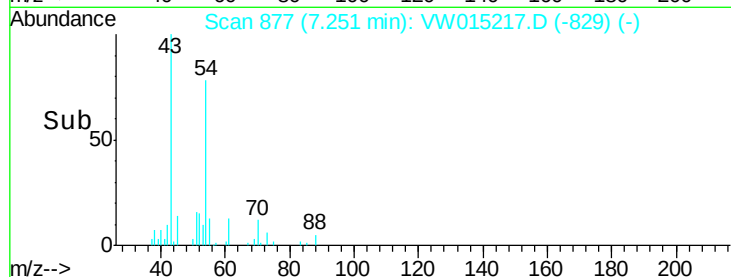
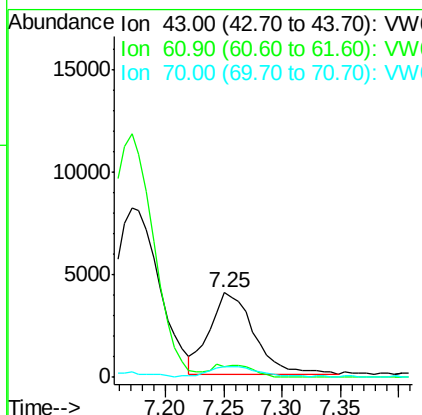
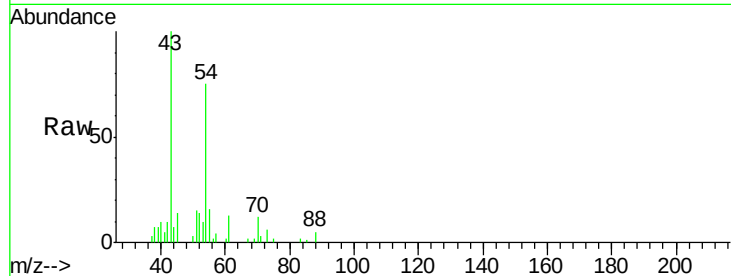
#37
Ethyl Acetate
Concen: 8.866 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.9	17.9
70	15.8	8.8	13.2

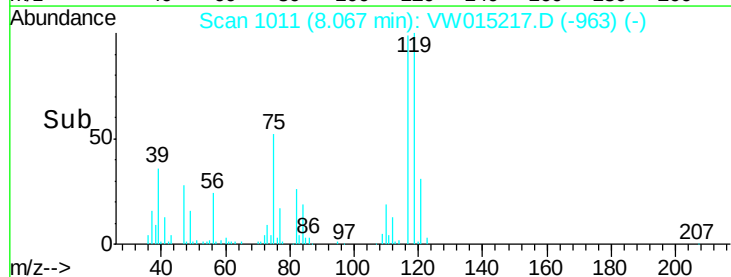
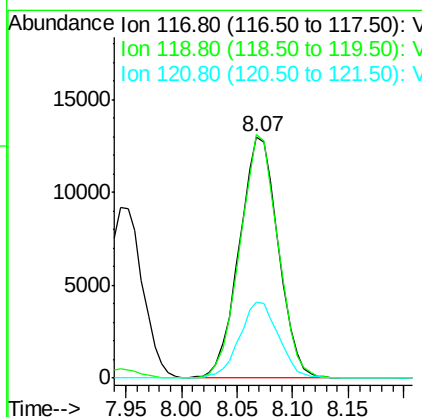
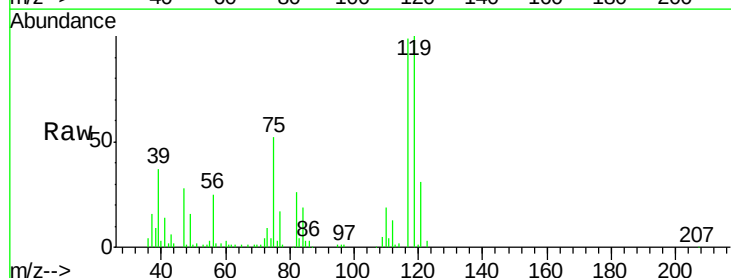
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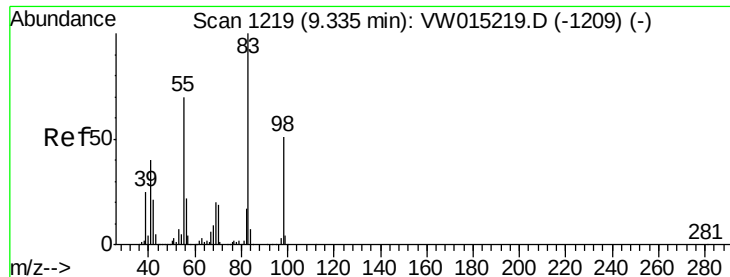
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#38
Carbon Tetrachloride
Concen: 12.181 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.9	72.3	108.5
121	31.3	23.7	35.5





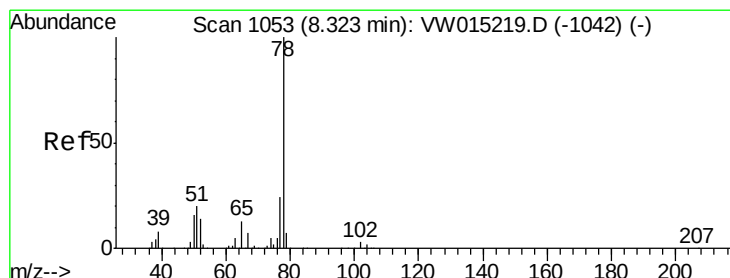
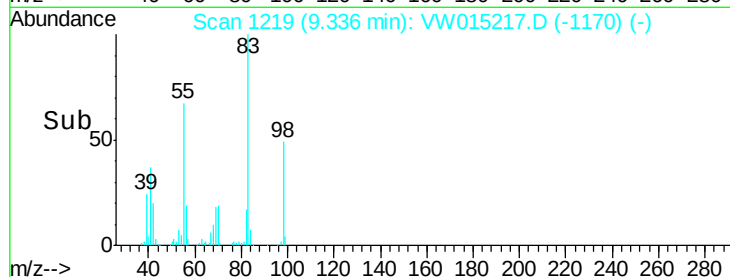
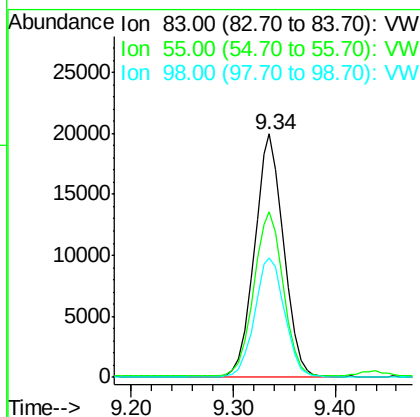
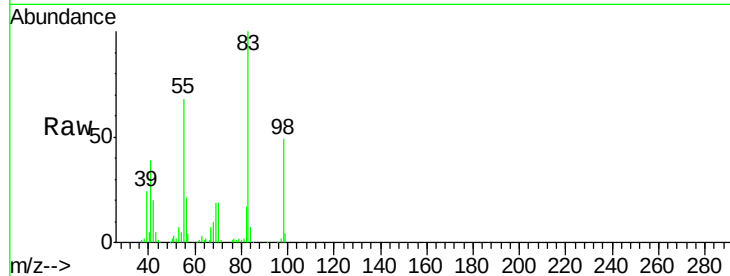
#39
Methylvlcyclohexane
Concen: 10.497 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.1	58.1	87.1
98	49.2	40.2	60.4

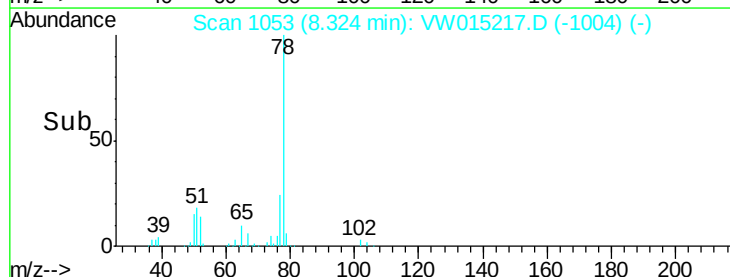
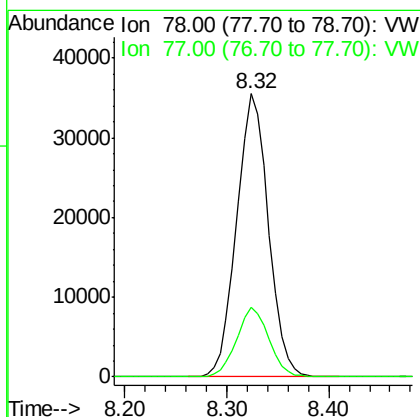
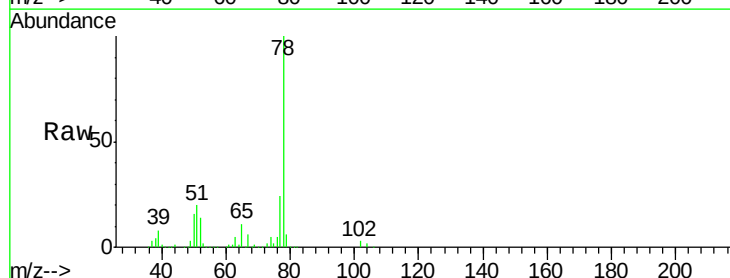
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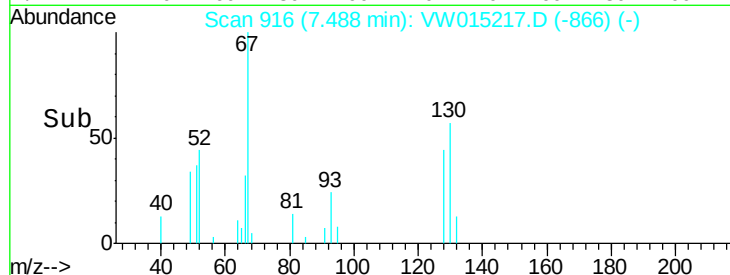
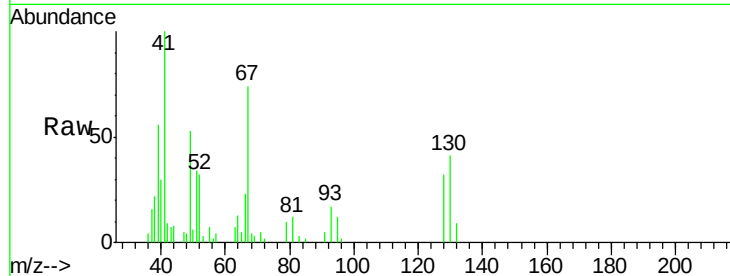
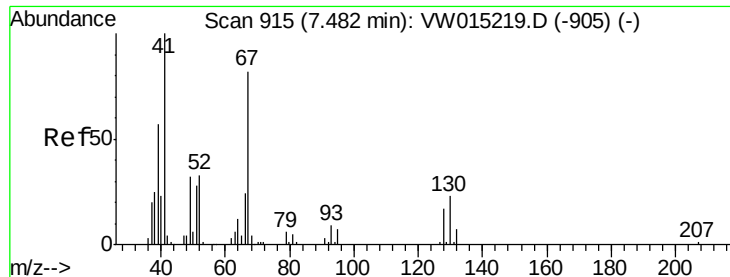
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#40
Benzene
Concen: 9.608 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.2	27.2





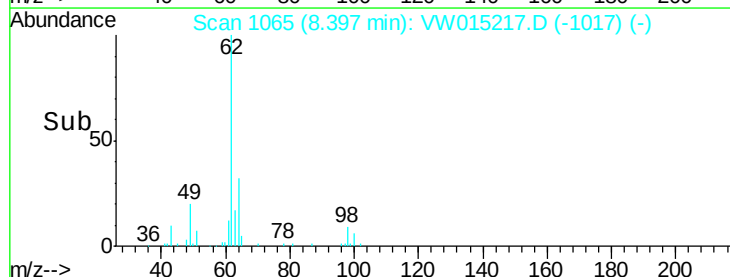
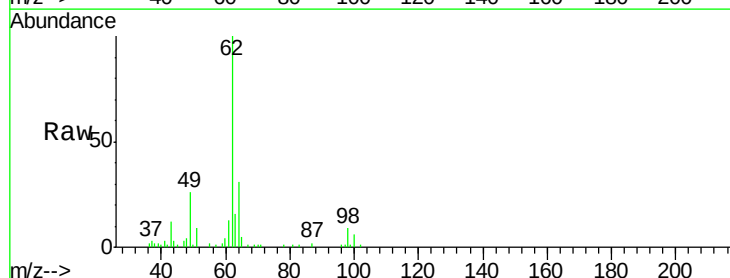
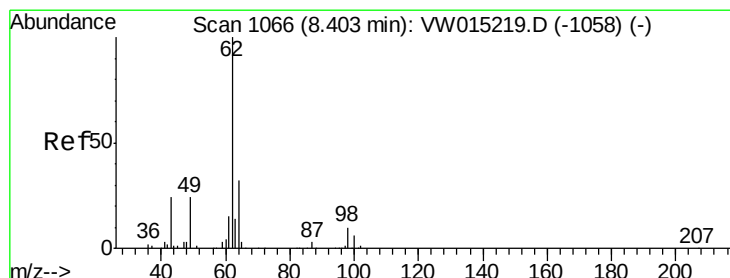
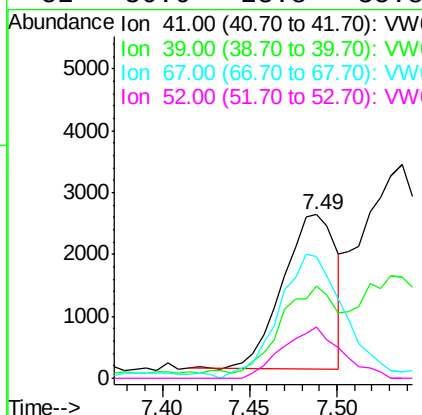
#41
Methacrylonitrile
Concen: 7.682 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.1	41.9	62.9
67	97.9	60.6	91.0#
52	36.6	23.8	35.8#

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

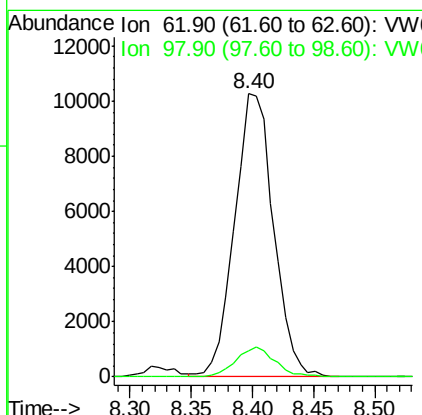
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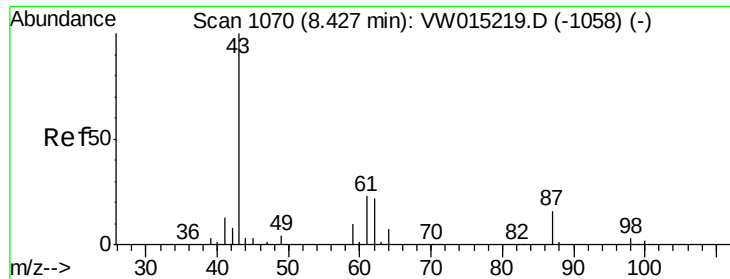
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#42
1,2-Dichloroethane
Concen: 11.199 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.4





#43

Isopropyl Acetate

Concen: 9.049 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

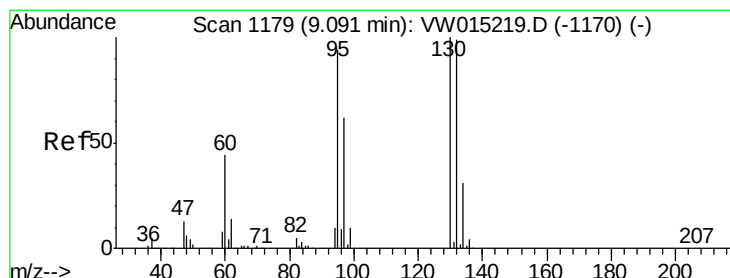
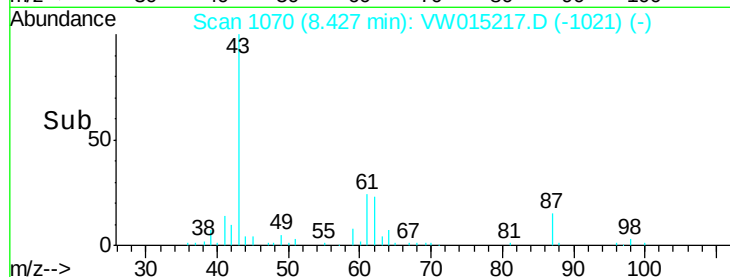
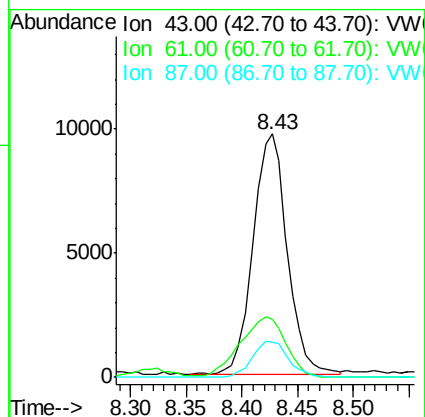
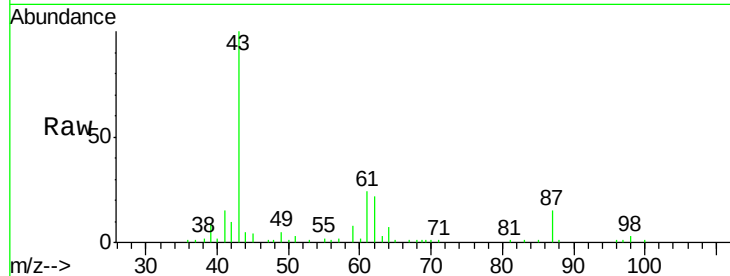
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	20728
Ion	Ratio	Lower	Upper
43	100		
61	33.4	24.8	37.2
87	15.6	11.4	17.2

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#44

Trichloroethene

Concen: 11.489 ug/l

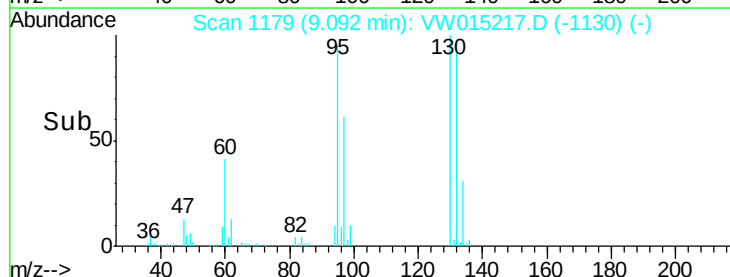
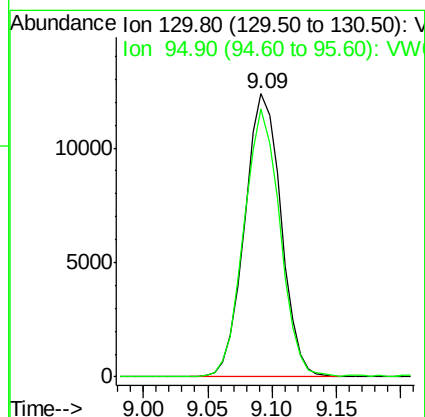
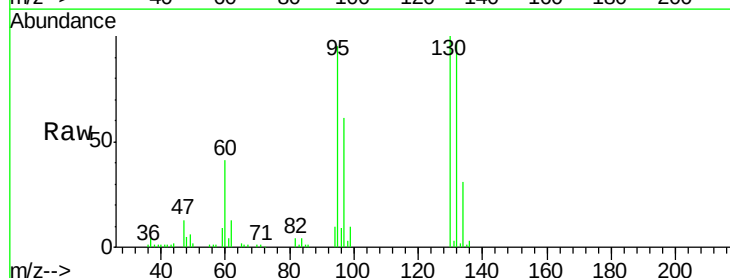
RT: 9.09 min Scan# 1179

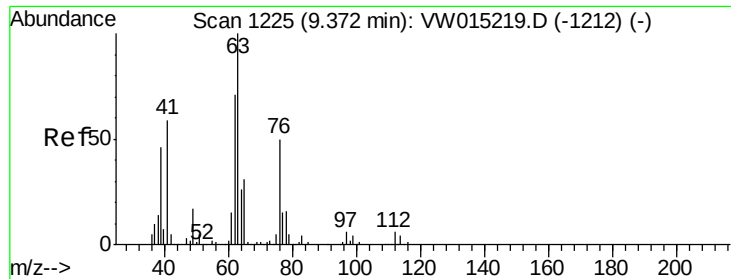
Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Tgt Ion:	130	Resp:	24142
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	196.4





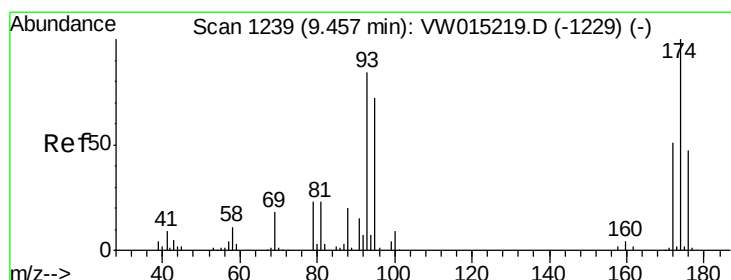
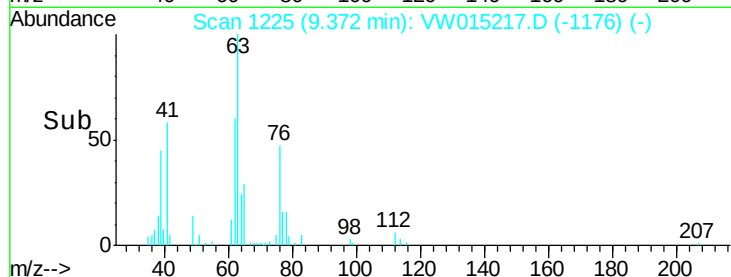
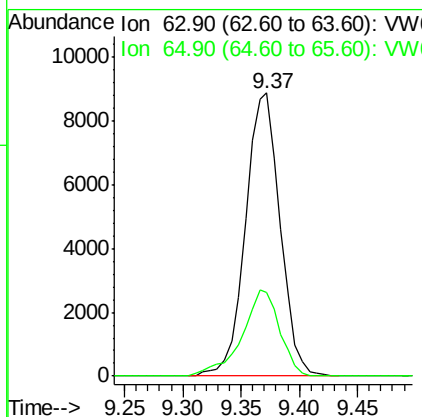
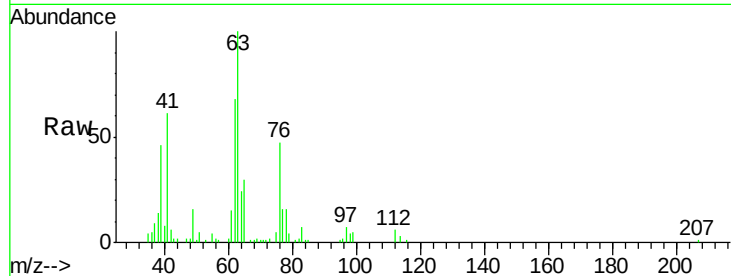
#45
 1,2-Dichloropropane
 Concen: 9.318 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	25.5	38.3

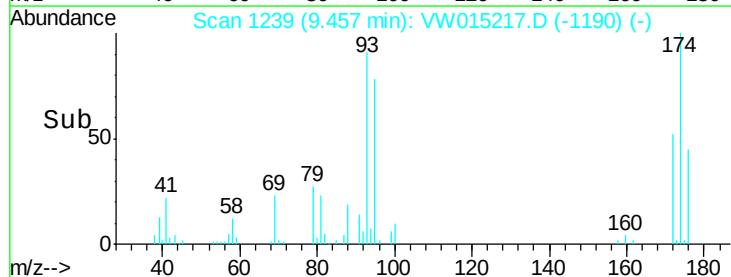
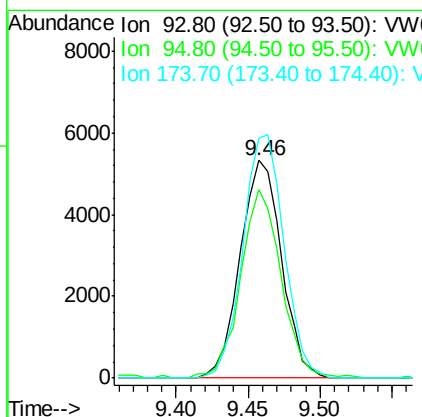
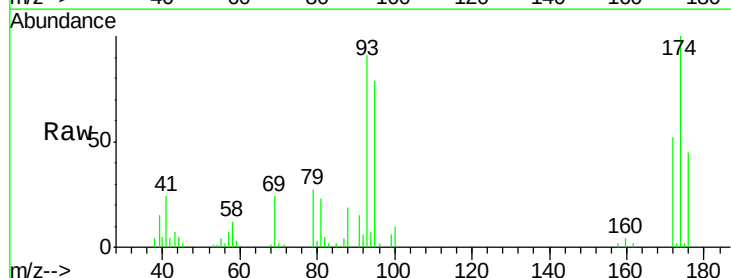
Manual Integrations
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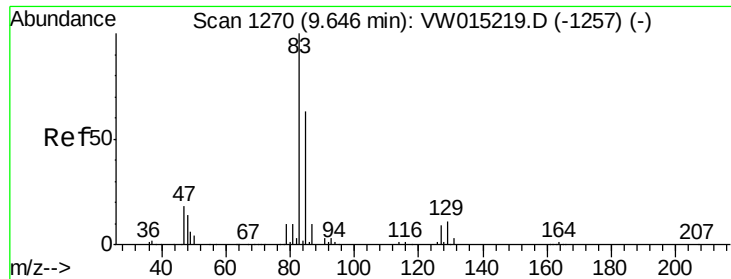
MMDadoda
 4/21/2020 10:01:11 AM



#46
 Dibromomethane
 Concen: 10.774 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.5	101.3
174	110.8	74.1	111.1





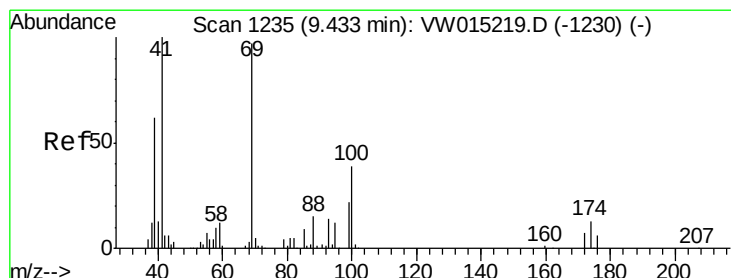
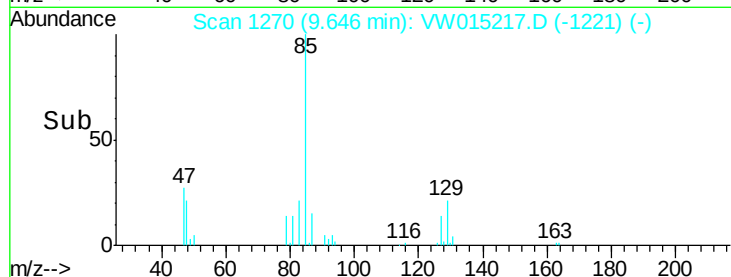
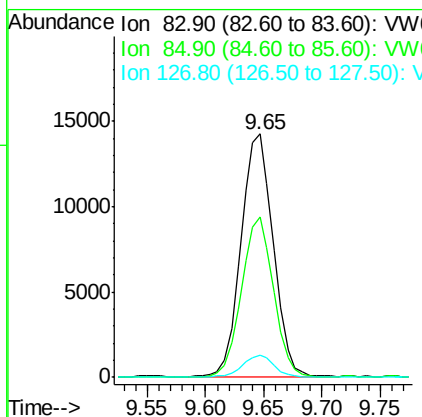
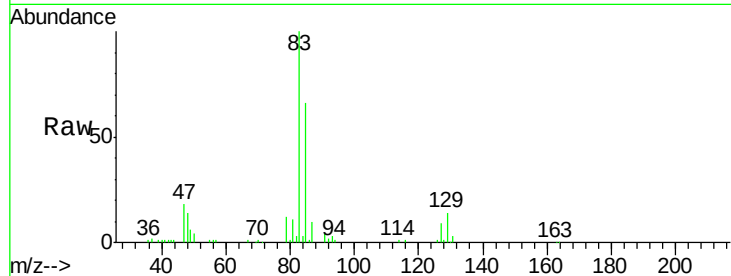
#47
Bromodichloromethane
Concen: 10.878 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	83	Resp	27734
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	50.6	76.0
127	9.2	6.7	10.1

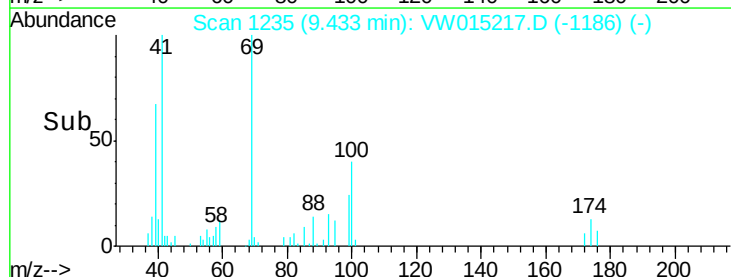
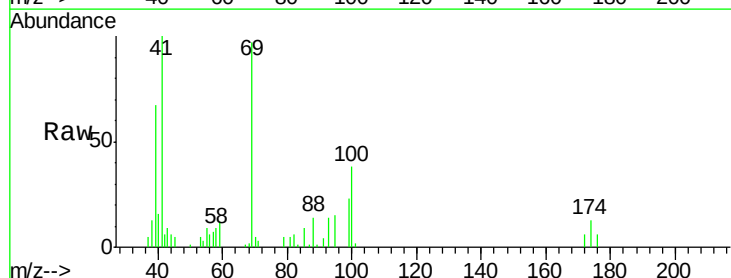
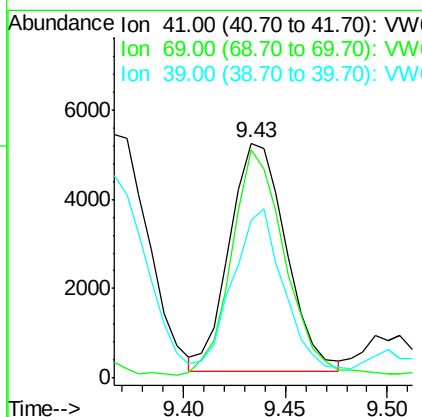
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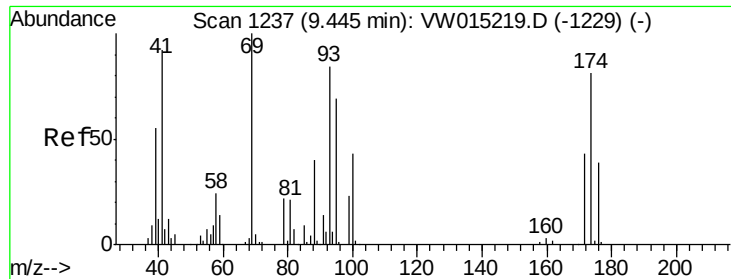
MMDadoda
4/21/2020 10:01:11 AM



#48
Methyl methacrylate
Concen: 9.151 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	41	Resp	9805
Ion Ratio	100	Lower	Upper
41	100		
69	93.8	70.6	105.8
39	61.8	42.6	64.0





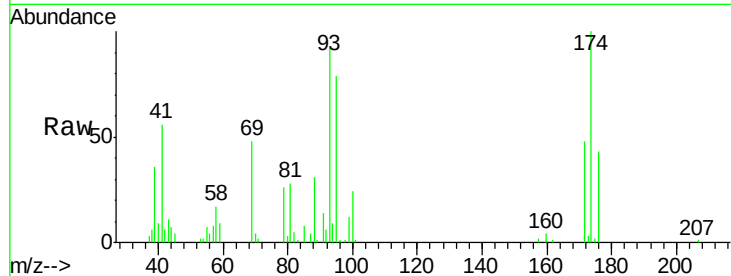
#49
1,4-Dioxane
Concen: 186.402 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	88	Resp	2908
Ion	Ratio	Lower	Upper
88	100		
43	30.0	23.5	35.3
58	70.0	55.4	83.2

Manual Integrations
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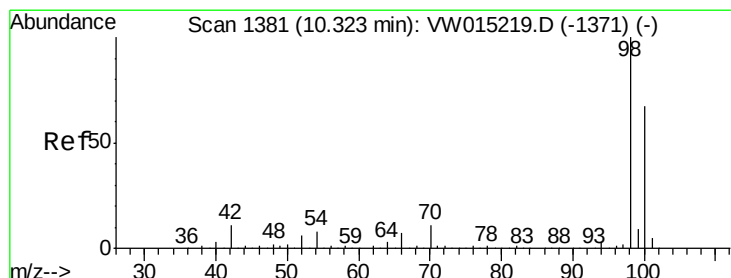
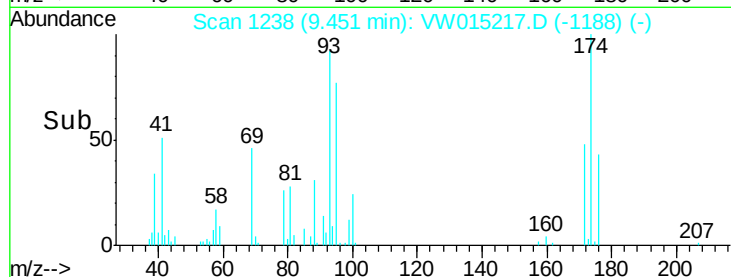
Abundance

Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

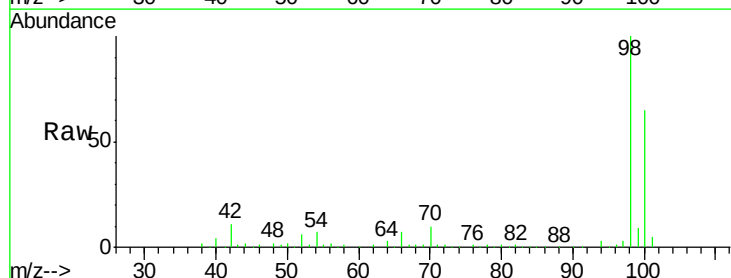
Ion 58.00 (57.70 to 58.70): VW

Time-->



#50
Toluene-d8
Concen: 10.162 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	98	Resp	71969
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.9	79.3

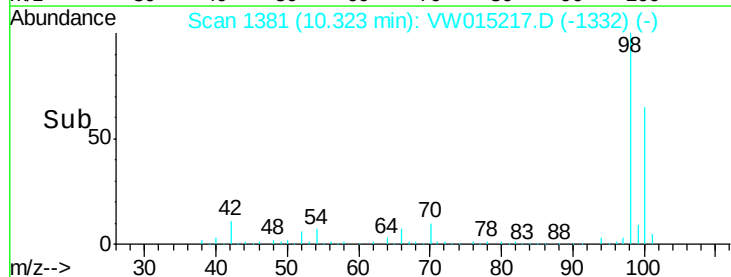


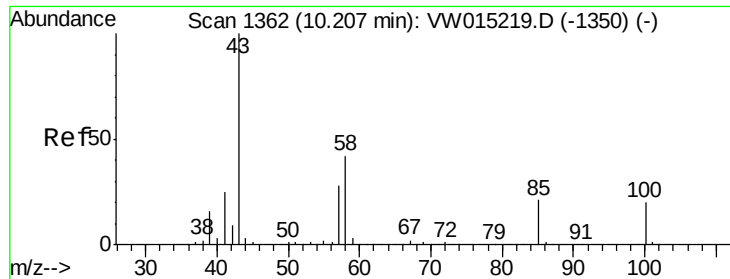
Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->





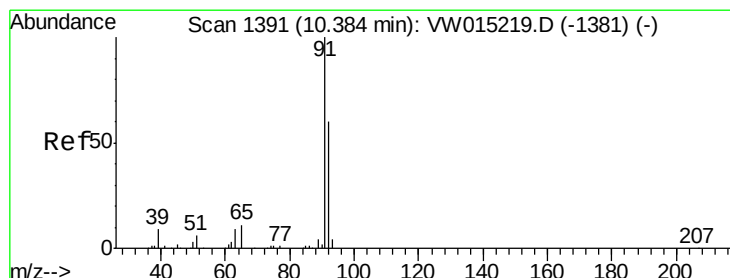
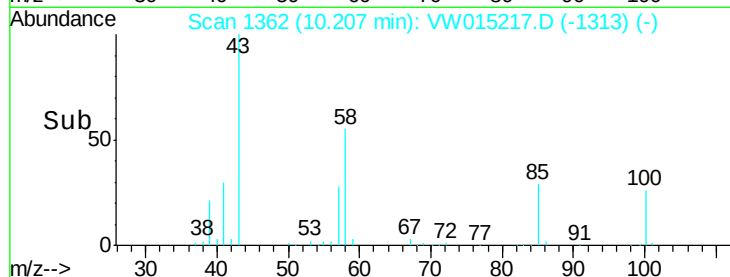
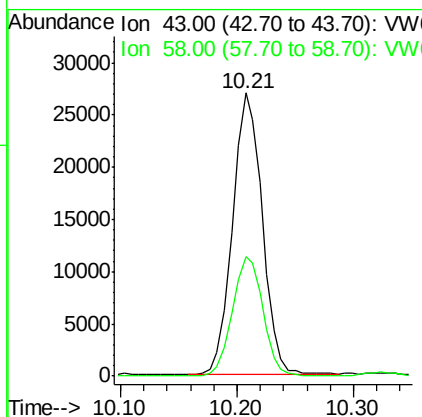
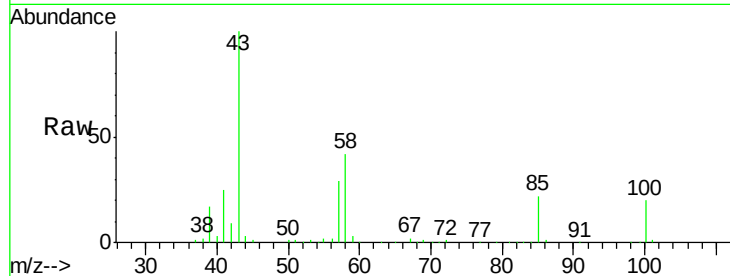
#51
4-Methyl-2-Pentanone
Concen: 39.759 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	43.3		32.3	48.5	

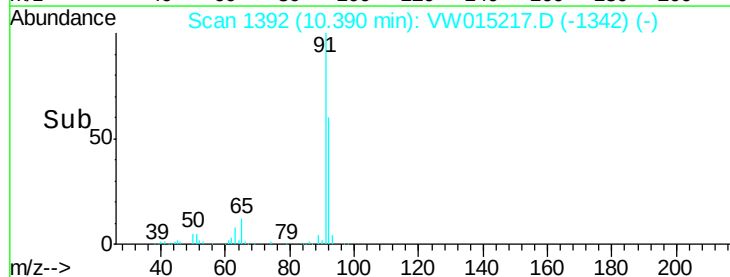
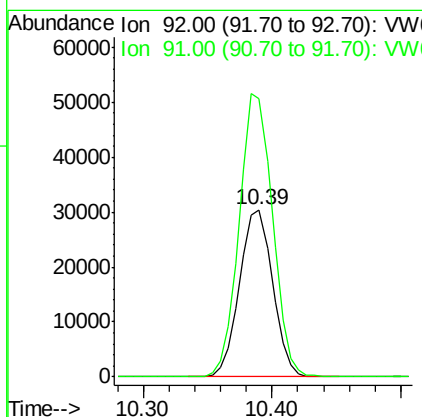
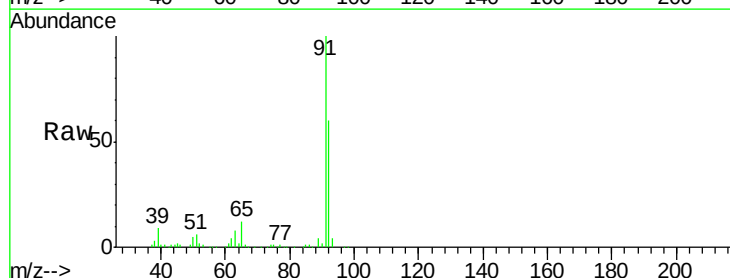
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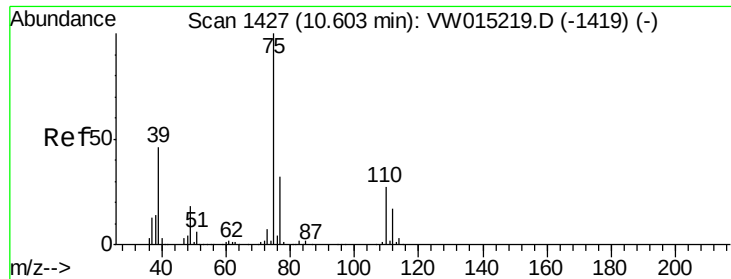
MMDadoda
4/21/2020 10:01:11 AM



#52
Toluene
Concen: 10.610 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	170.3		137.1	205.7	





#53

t-1,3-Dichloropropene

Concen: 10.283 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 75 Resp: 26674

Ion Ratio Lower Upper

75 100

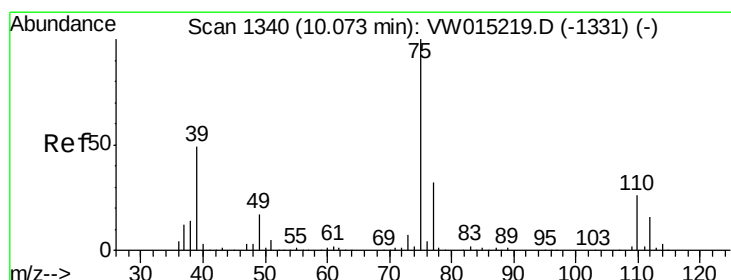
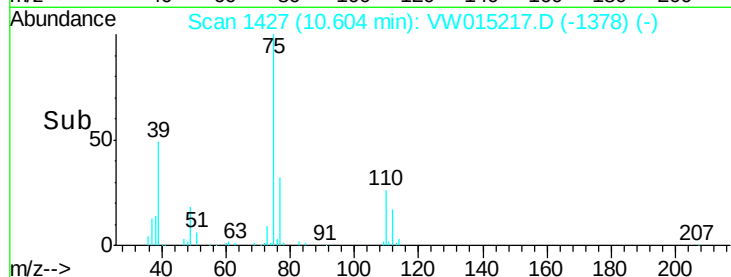
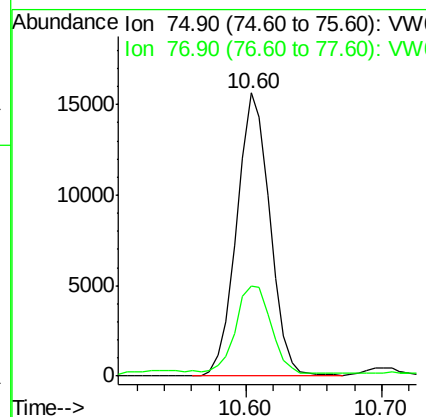
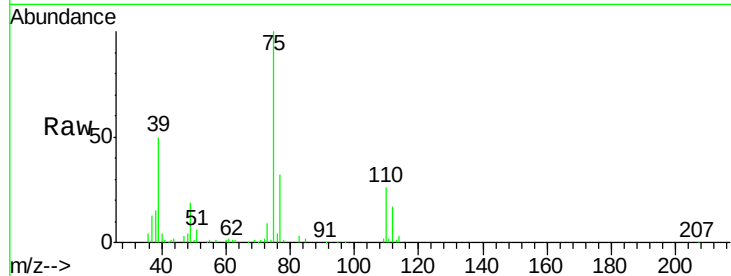
77 31.1 25.5 38.3

Manual Integrations

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MMDadoda

4/21/2020 10:01:11 AM



#54

cis-1,3-Dichloropropene

Concen: 10.116 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

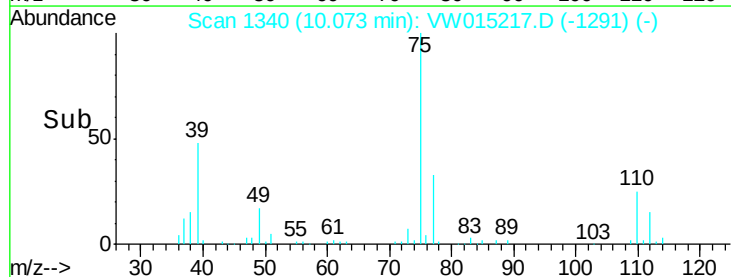
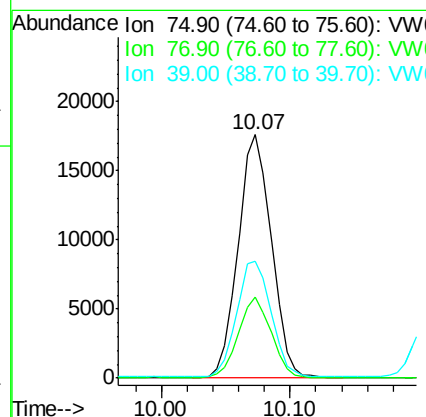
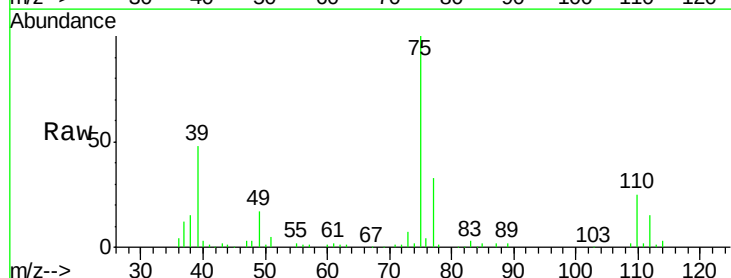
Tgt Ion: 75 Resp: 31657

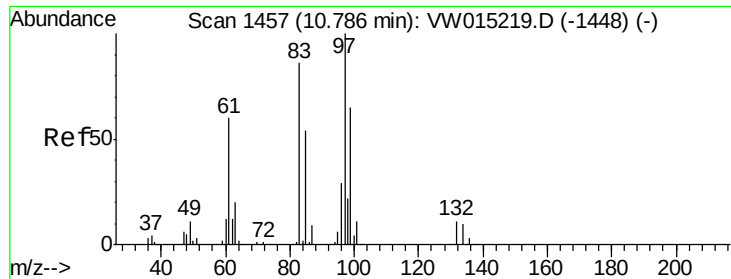
Ion Ratio Lower Upper

75 100

77 33.0 26.6 39.8

39 47.4 37.8 56.6





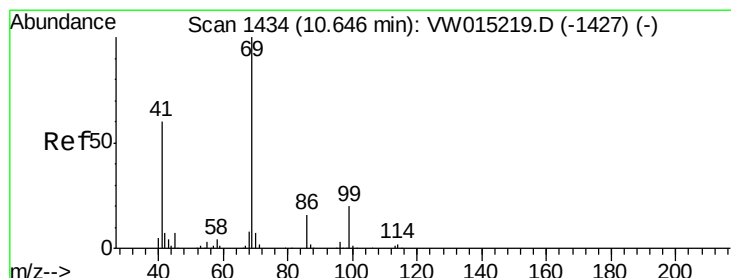
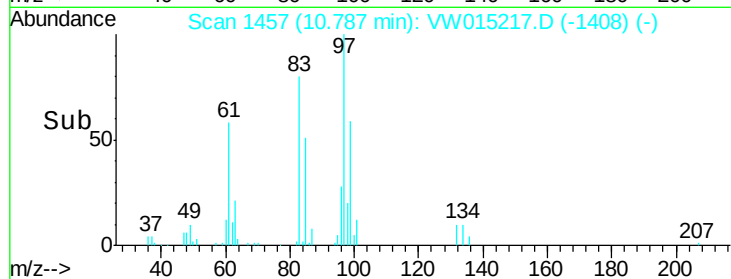
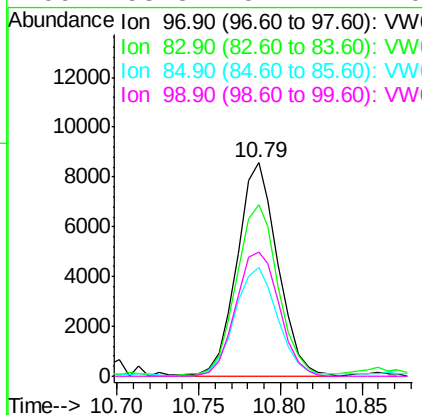
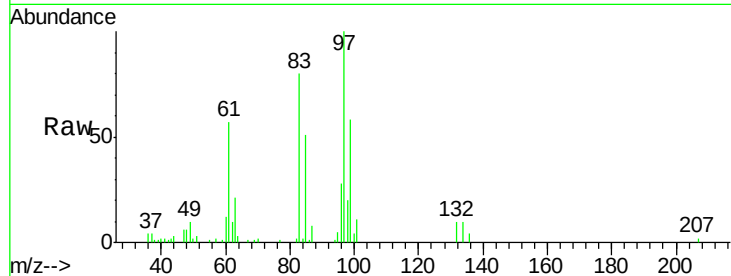
#55
 1,1,2-Trichloroethane
 Concen: 10.688 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion:	97	Resp:	14892
Ion	Ratio	Lower	Upper
97	100		
83	79.3	67.3	100.9
85	51.0	43.8	65.8
99	58.3	51.4	77.0

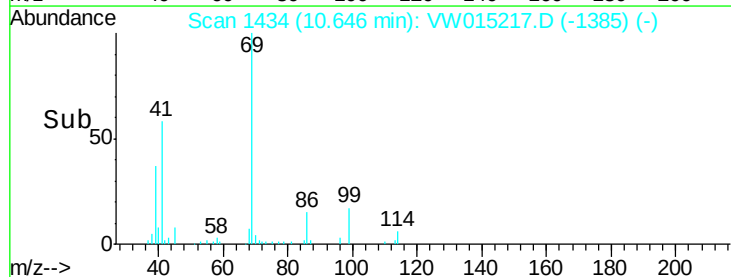
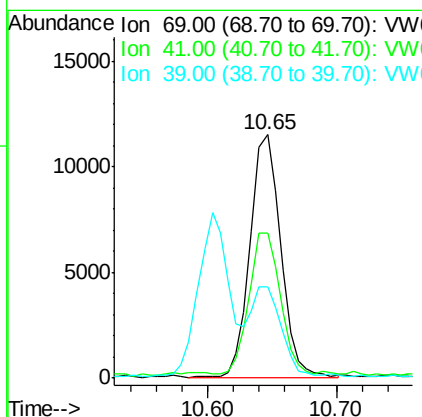
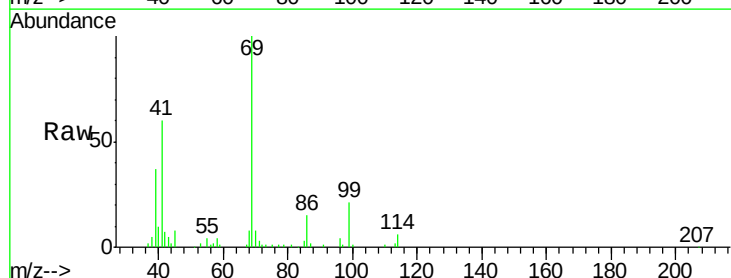
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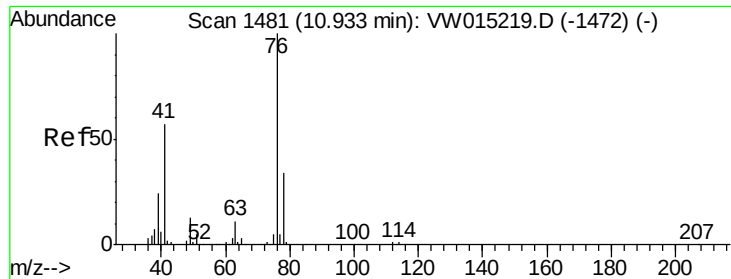
MMDadoda
 4/21/2020 10:01:11 AM



#56
 Ethyl methacrylate
 Concen: 9.963 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion:	69	Resp:	19130
Ion	Ratio	Lower	Upper
69	100		
41	58.2	51.3	76.9
39	35.5	24.6	37.0





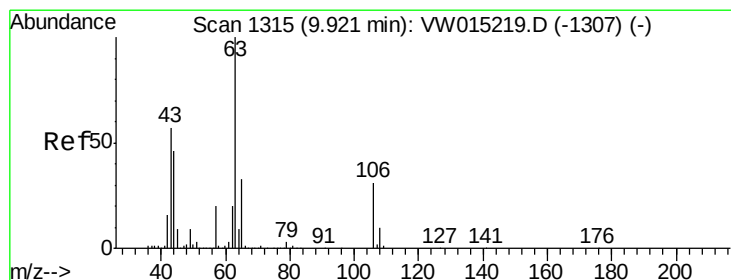
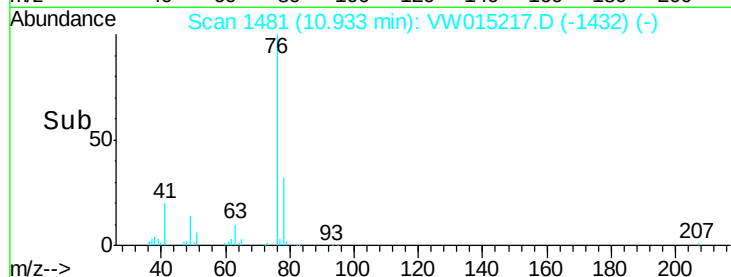
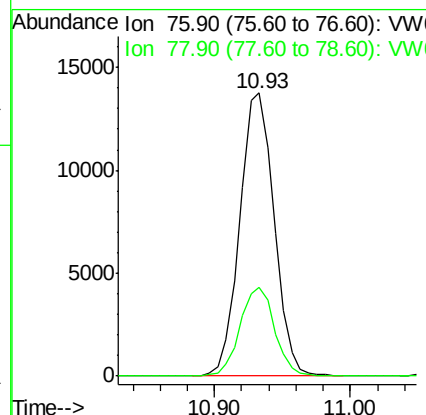
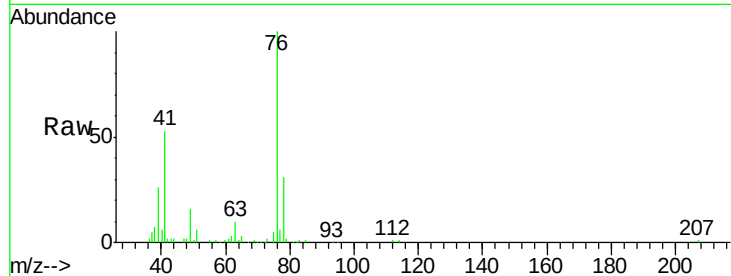
#57
 1,3-Dichloropropane
 Concen: 9.913 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion: 76 Resp: 24276
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.2 39.4

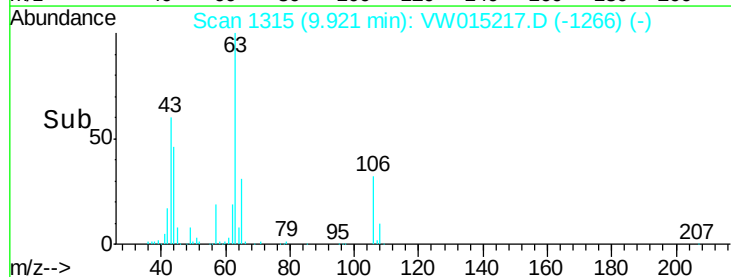
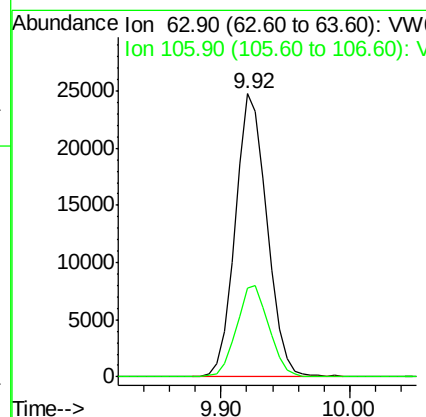
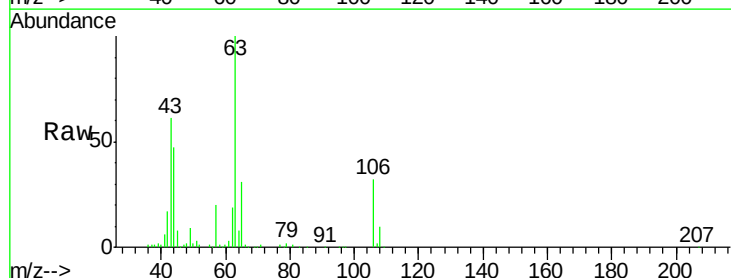
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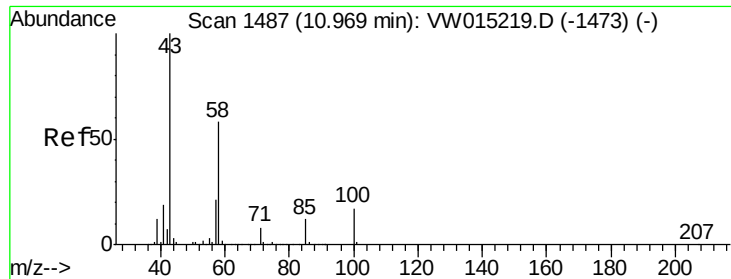
MMDadoda
 4/21/2020 10:01:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 44.550 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion: 63 Resp: 42334
 Ion Ratio Lower Upper
 63 100
 106 32.9 22.6 33.8





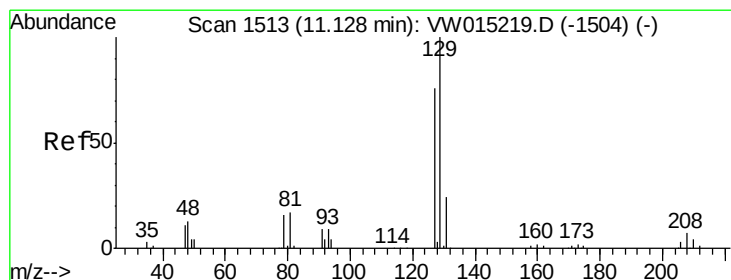
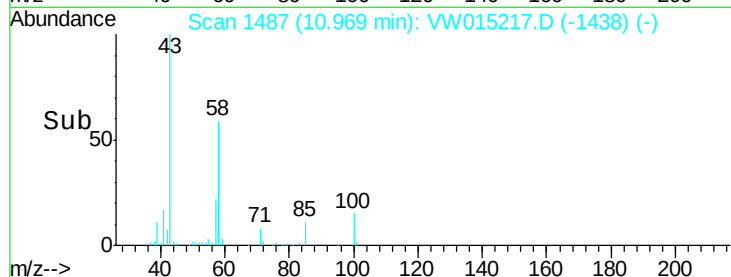
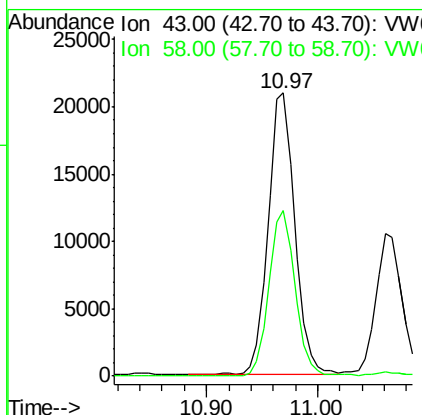
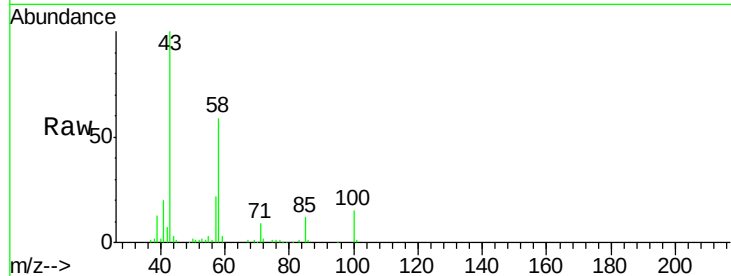
#59
2-Hexanone
Concen: 46.057 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 35020
Ion Ratio Lower Upper
43 100
58 57.5 28.1 84.3

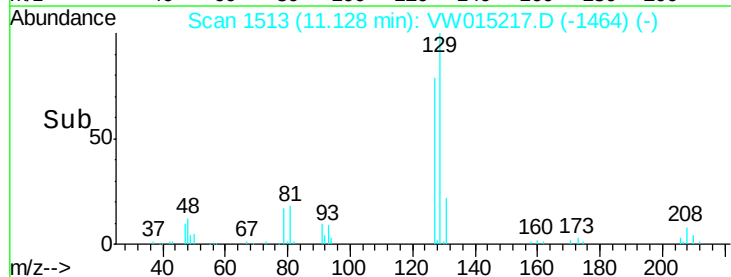
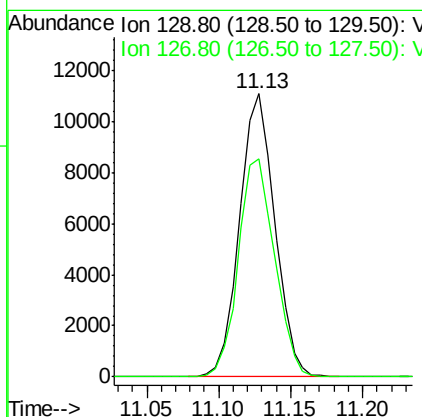
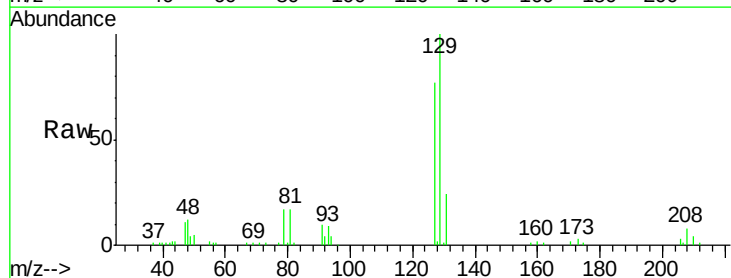
Manual Integrations
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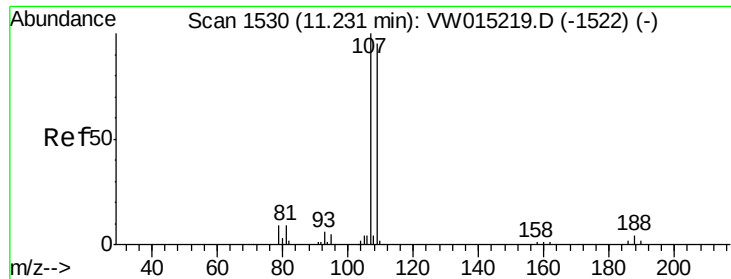
MMDadoda
4/21/2020 10:01:11 AM



#60
Dibromochloromethane
Concen: 11.343 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion: 129 Resp: 18858
Ion Ratio Lower Upper
129 100
127 79.1 38.3 114.8





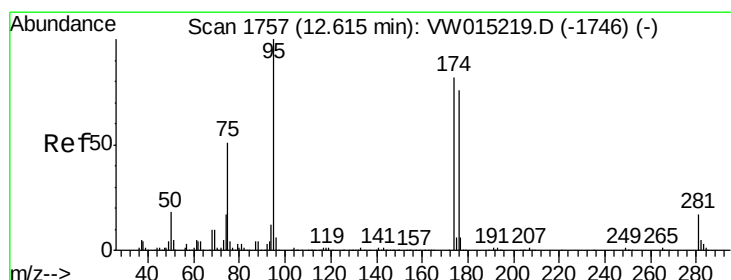
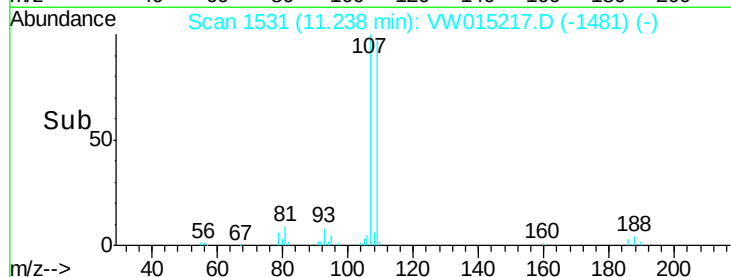
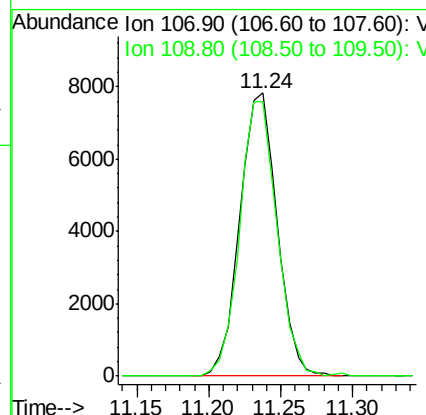
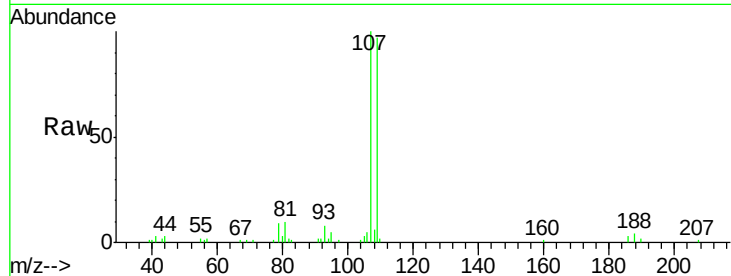
#61
 1,2-Dibromoethane
 Concen: 10.463 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 14050
 Ion Ratio Lower Upper
 107 100
 109 97.3 74.3 111.5

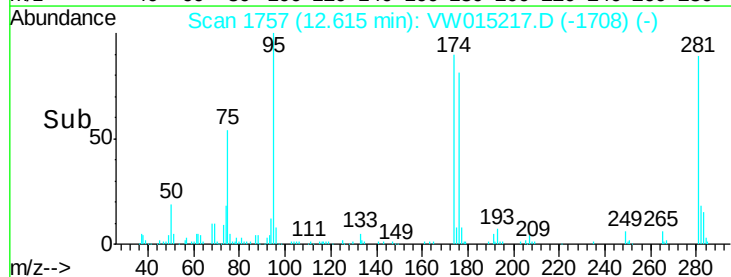
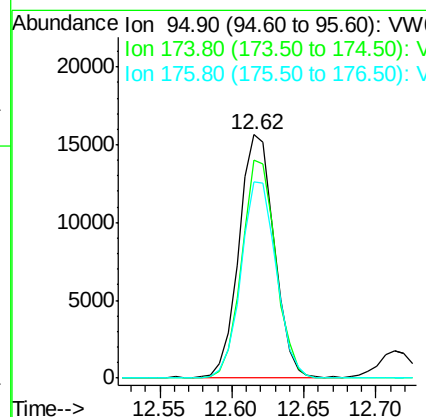
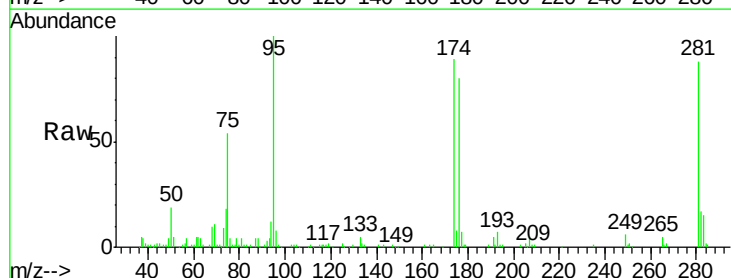
Manual Integrations
 APPROVED

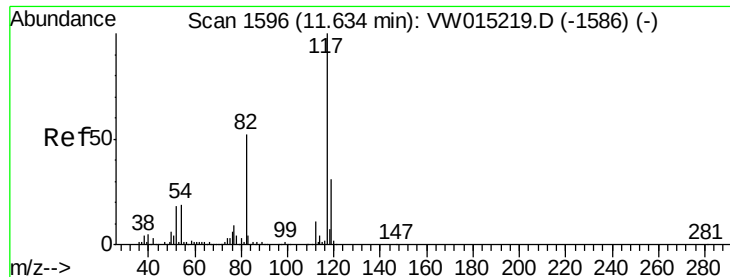
MMDadoda
 4/21/2020 10:01:11 AM



#62
 4-Bromofluorobenzene
 Concen: 10.737 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion: 95 Resp: 26633
 Ion Ratio Lower Upper
 95 100
 174 85.9 0.0 144.4
 176 80.1 0.0 140.6





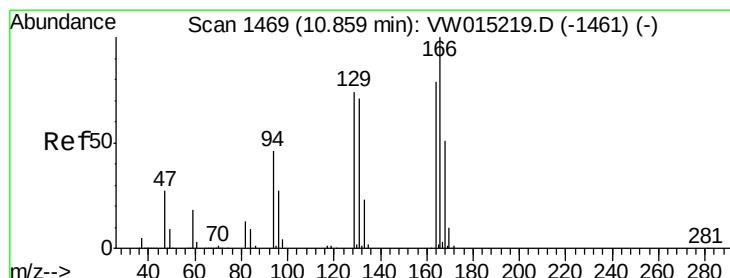
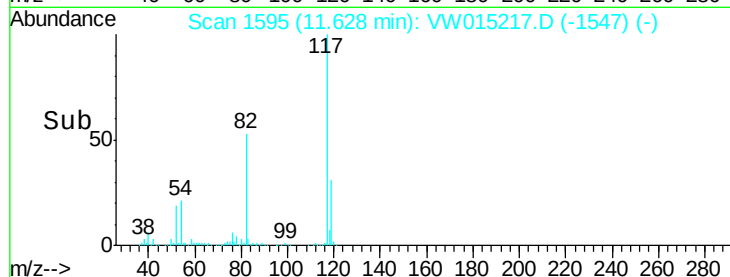
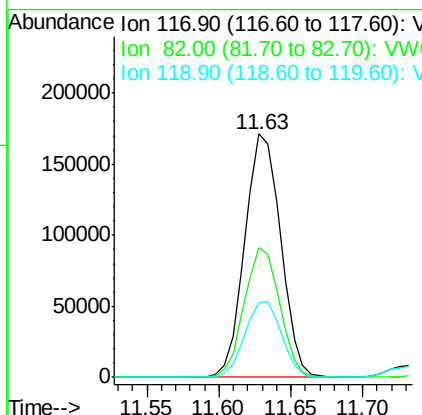
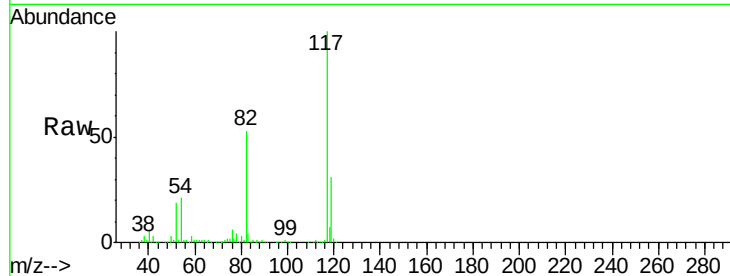
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	294976		
82	53.1		44.1	66.1
119	30.8		24.9	37.3

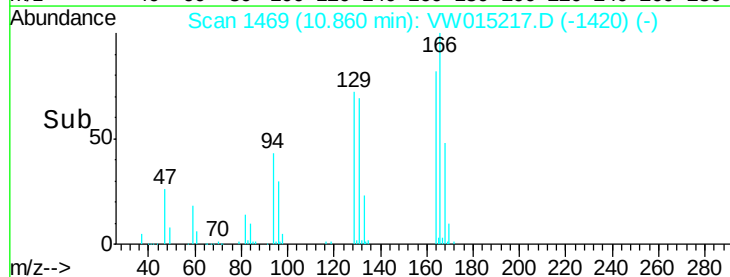
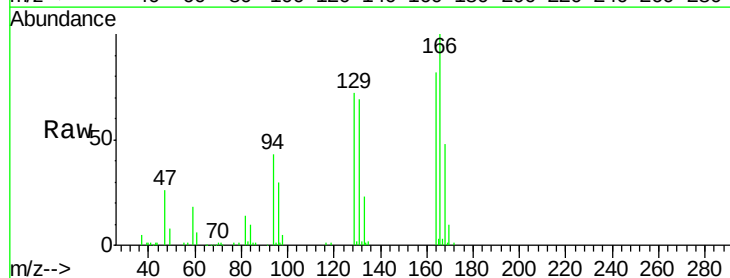
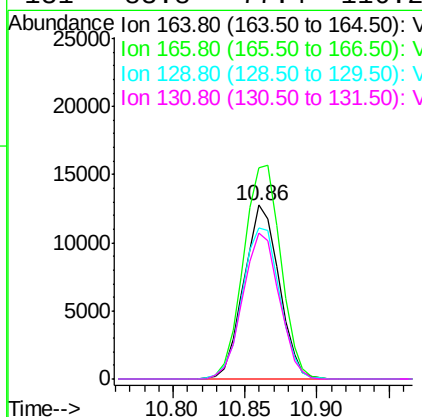
Manual Integrations
APPROVED

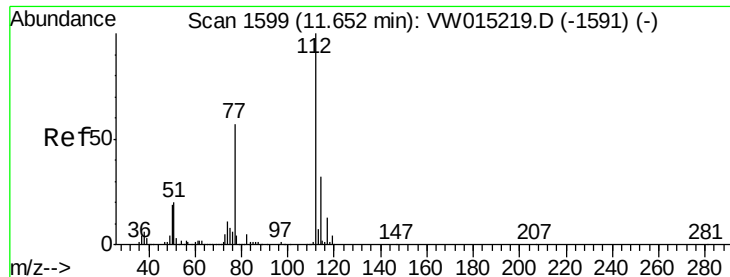
MMDadoda
4/21/2020 10:01:11 AM



#64
Tetrachloroethene
Concen: 12.473 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	21612		
166	121.5		102.6	154.0
129	87.0		80.2	120.2
131	83.8		77.4	116.2





#65

Chlorobenzene

Concen: 10.625 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 58973

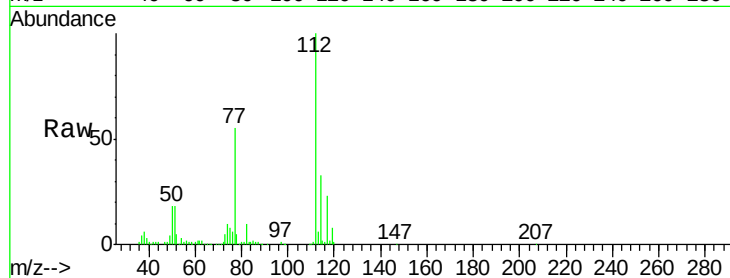
Ion Ratio Lower Upper

112 100

114 32.7 25.8 38.6

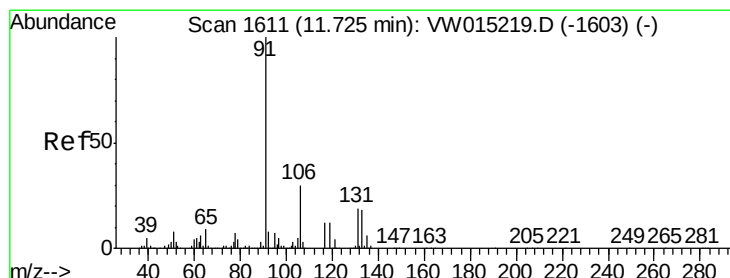
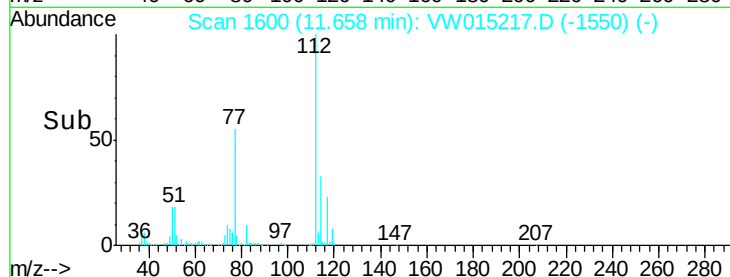
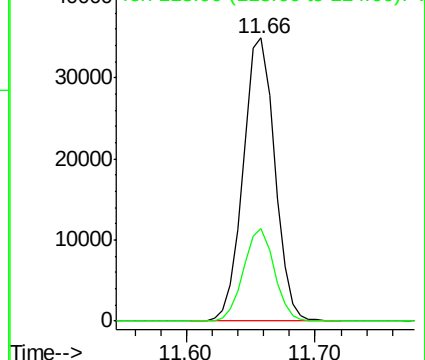
Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:11 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.881 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

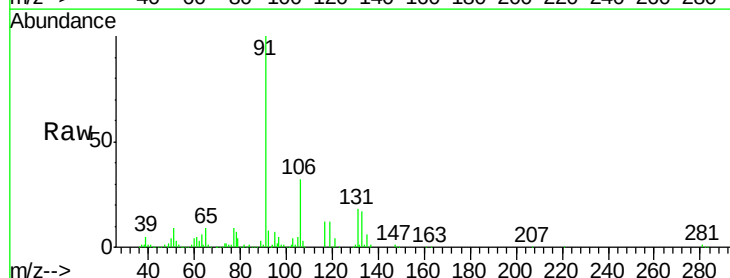
Tgt Ion:131 Resp: 20873

Ion Ratio Lower Upper

131 100

133 95.8 47.7 143.1

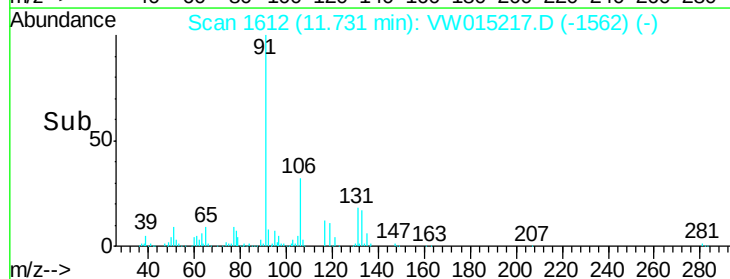
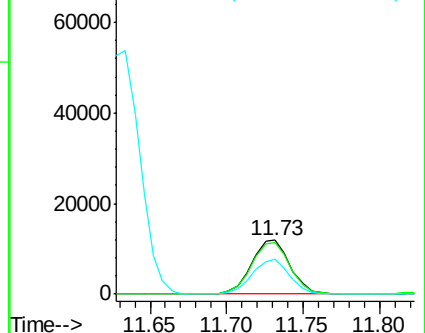
119 63.1 34.0 101.8

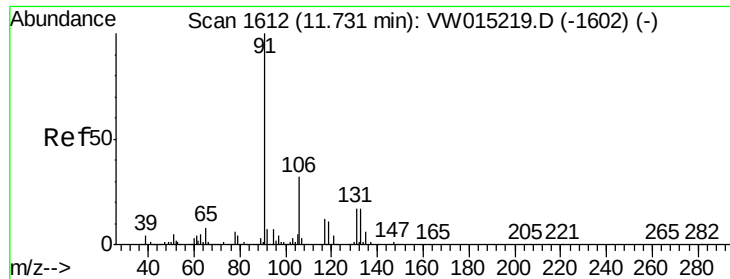


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





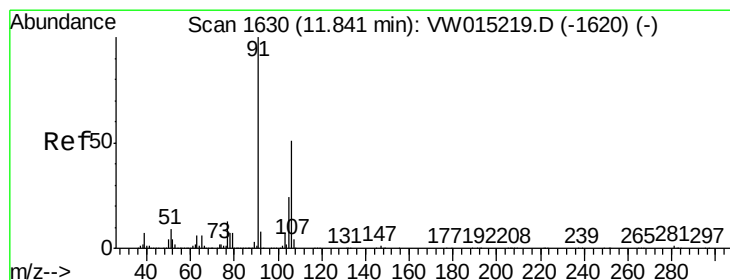
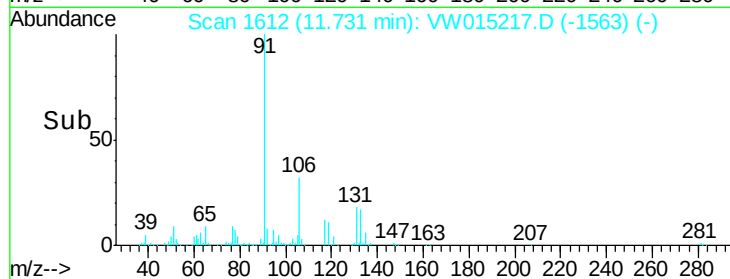
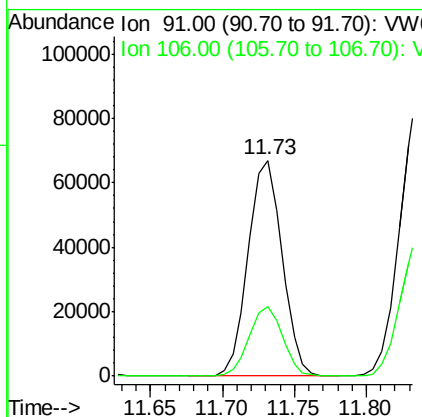
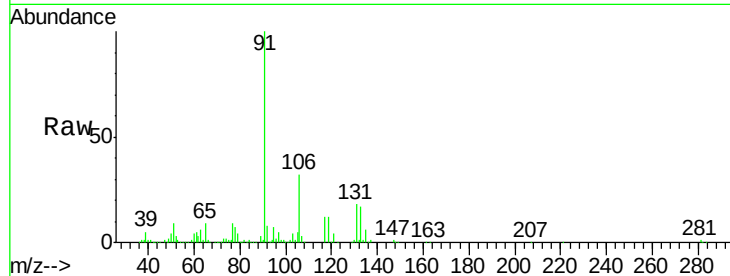
#67
Ethyl Benzene
Concen: 10.451 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.7	38.5

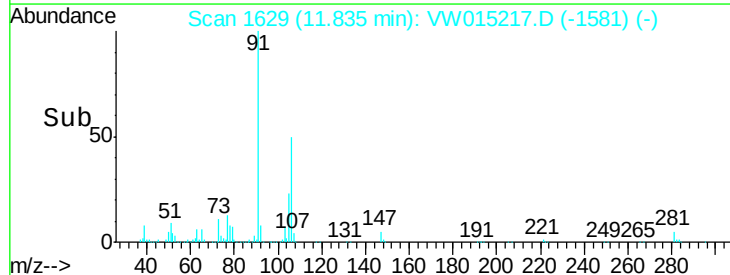
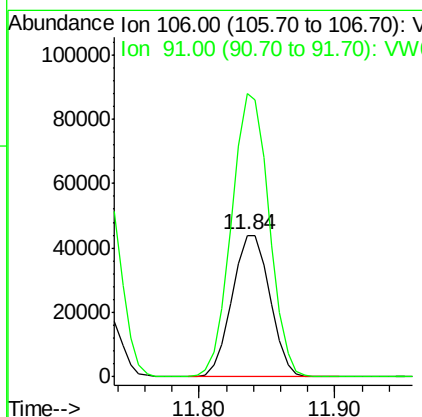
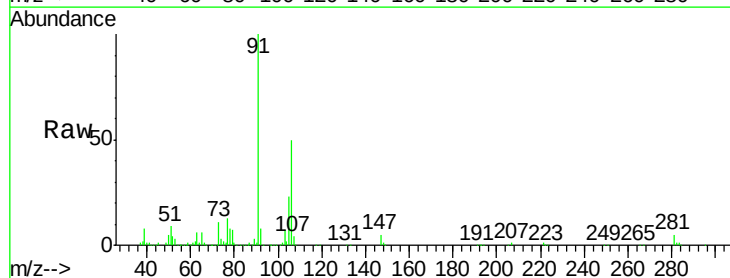
Manual Integrations
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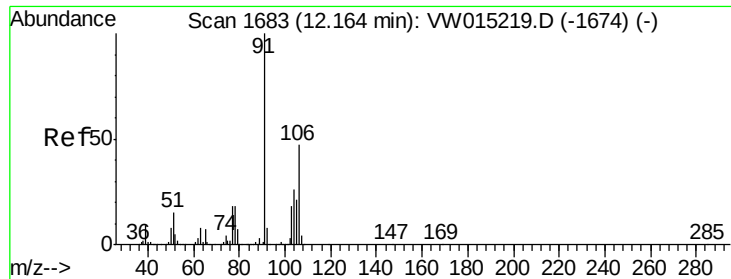
MMDadoda
4/21/2020 10:01:11 AM



#68
m/p-Xylenes
Concen: 21.522 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.8	160.0	240.0





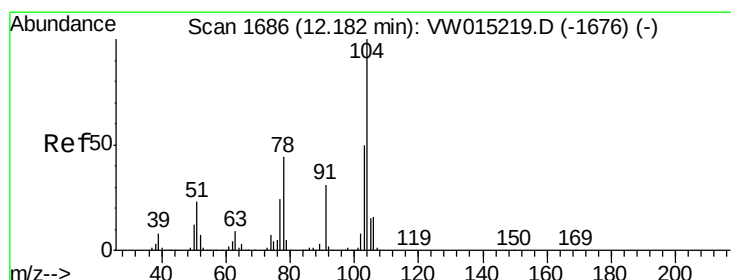
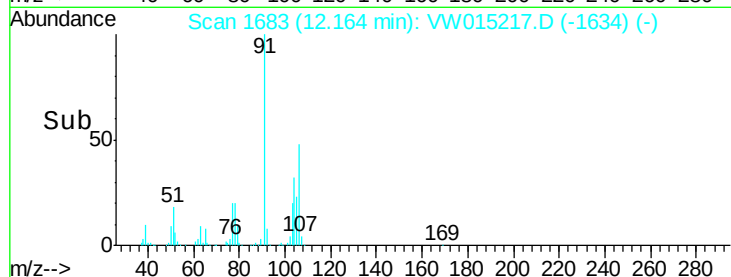
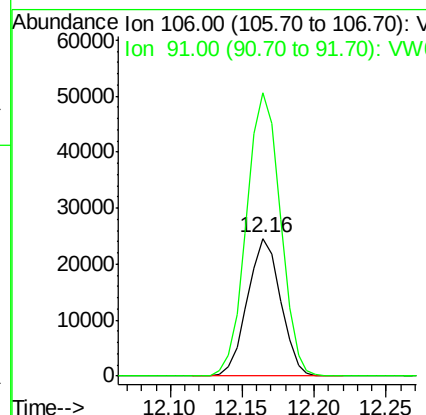
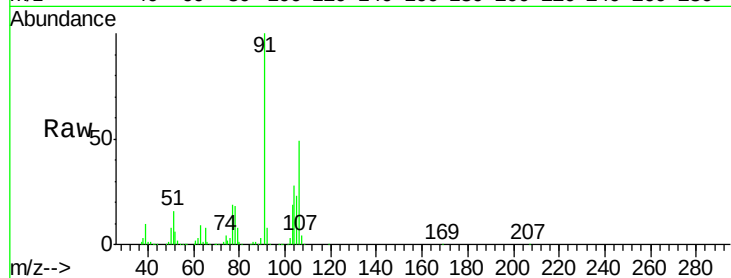
#69
o-Xylene
Concen: 10.539 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.1	105.7	317.1	

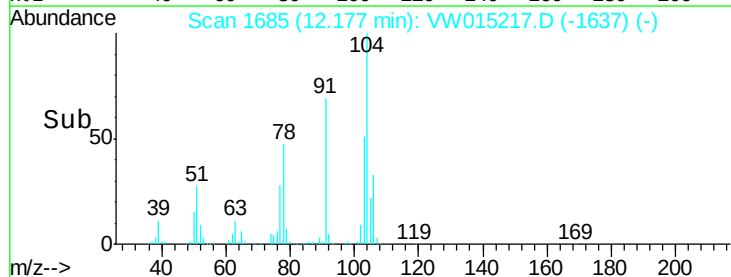
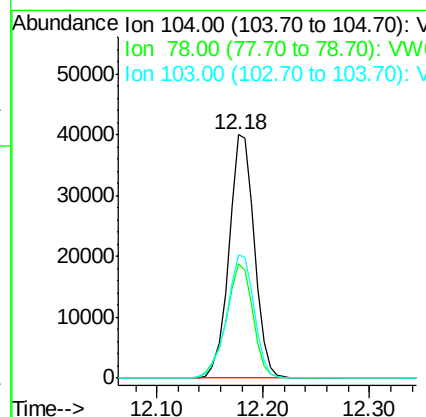
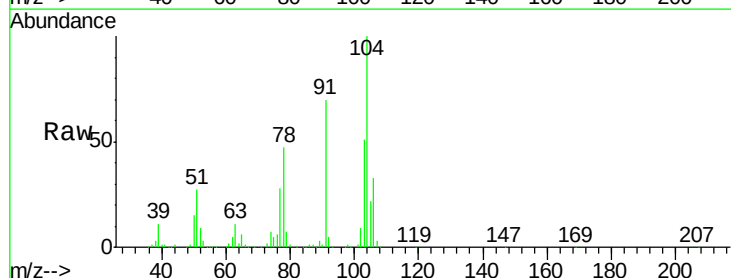
Manual Integrations
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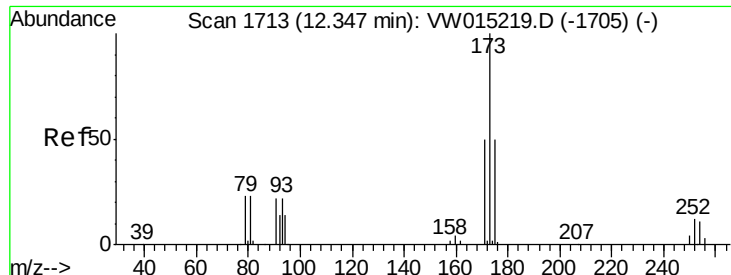
MMDadoda
4/21/2020 10:01:11 AM



#70
Styrene
Concen: 10.588 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.8	39.8	59.6	
103	54.6	43.8	65.6	





#71

Bromoform

Concen: 12.229 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:173 Resp: 11651

Ion Ratio Lower Upper

173 100

175 45.0 25.1 75.4

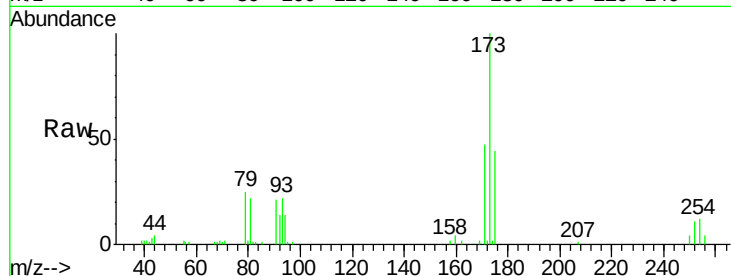
254 0.0 0.1 0.1#

Manual Integrations

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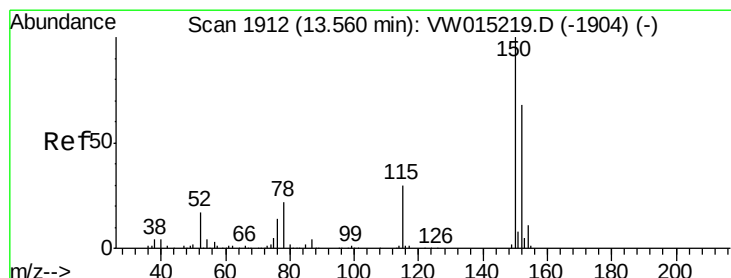
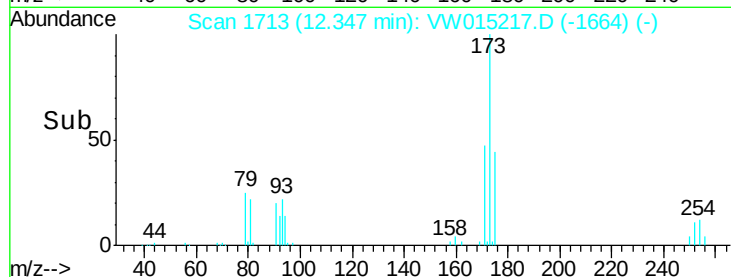
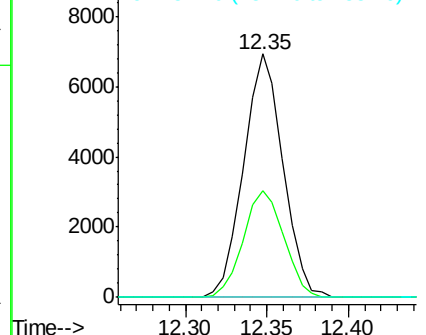
4/21/2020 10:01:11 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

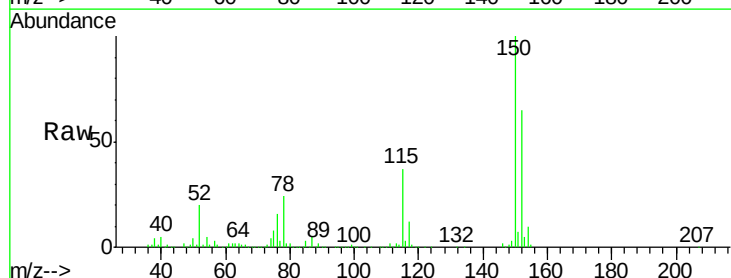
Tgt Ion:152 Resp: 153704

Ion Ratio Lower Upper

152 100

115 57.1 31.3 93.9

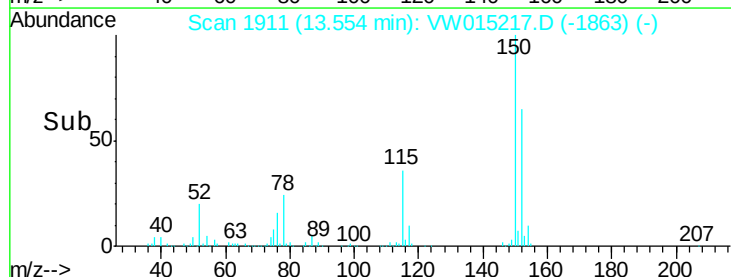
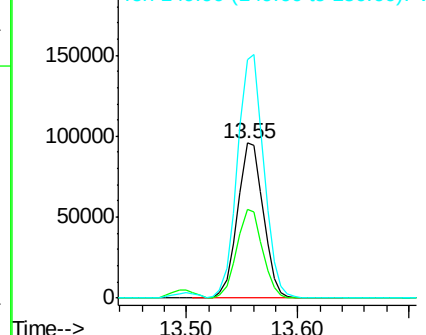
150 160.9 0.0 343.4

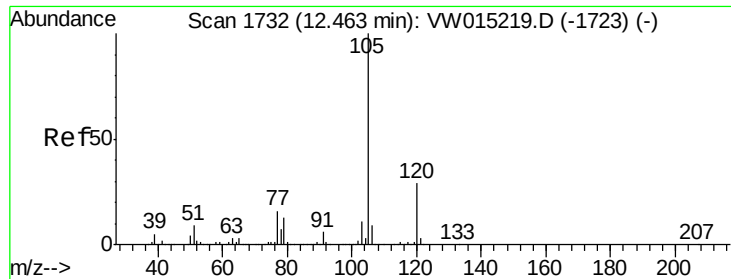


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





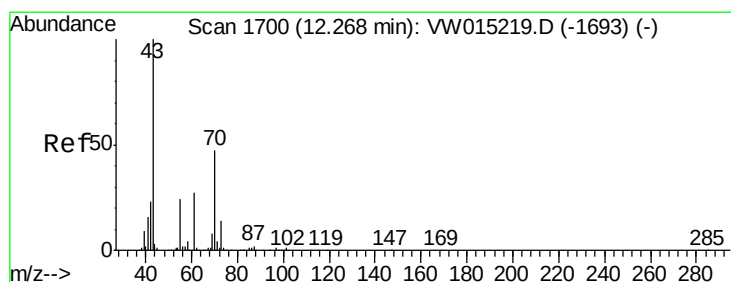
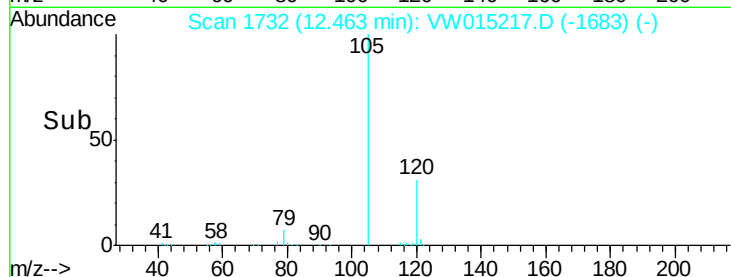
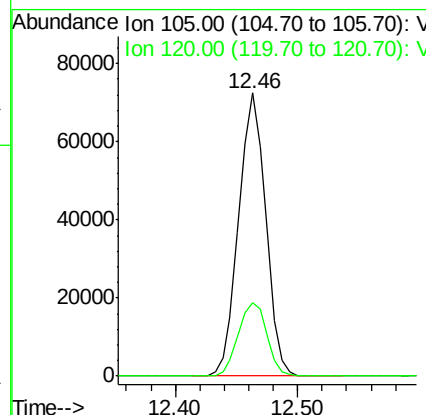
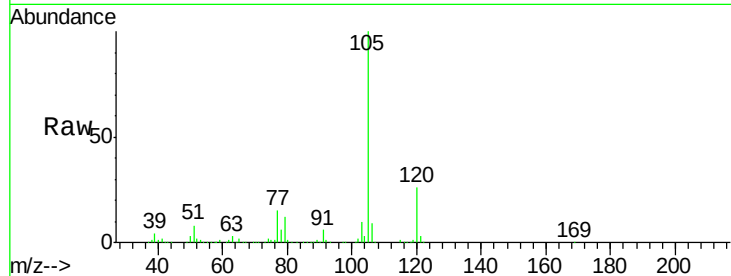
#73
Isopropylbenzene
Concen: 9.670 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	110839		
120	27.4	13.7	41.1	

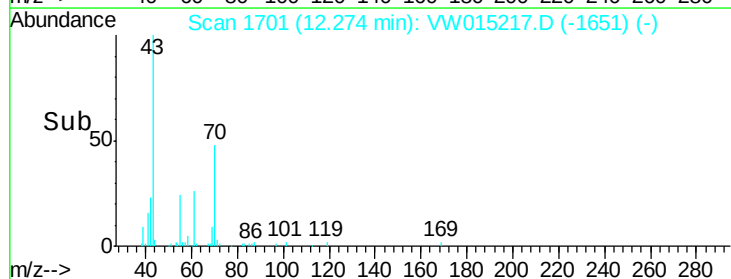
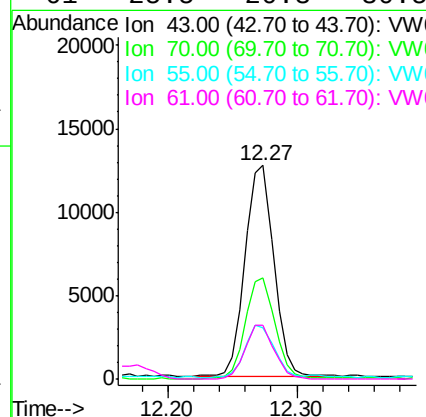
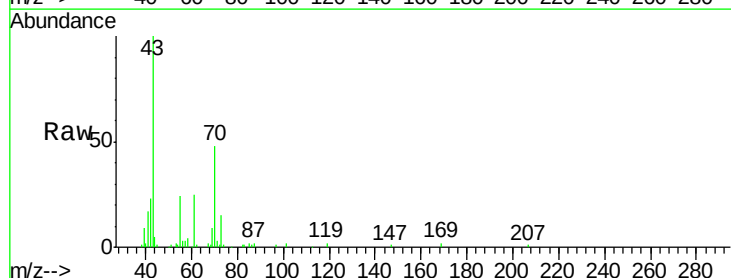
Manual Integrations
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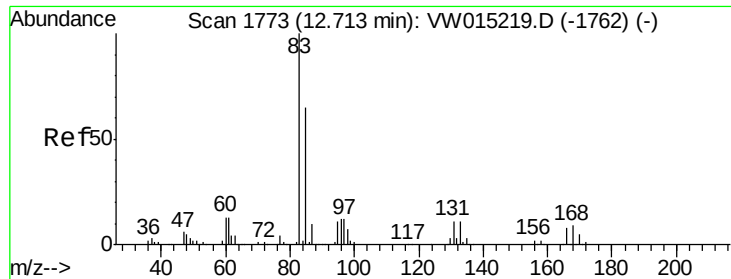
MMDadoda
4/21/2020 10:01:11 AM



#74
N-ethyl acetate
Concen: 7.398 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.01 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	19713		
70	49.1	35.4	53.2	
55	24.9	18.5	27.7	
61	25.5	20.3	30.5	





#75

1,1,2,2-Tetrachloroethane

Concen: 8.508 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

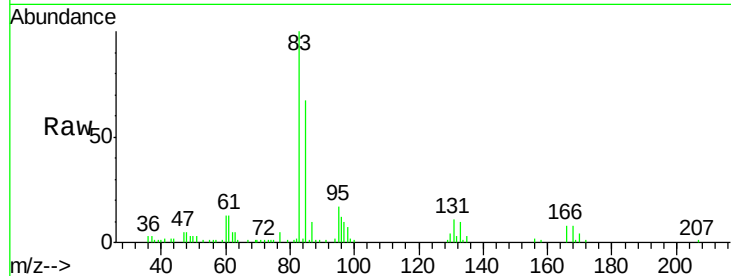
ClientSampled :

VSTDIC010

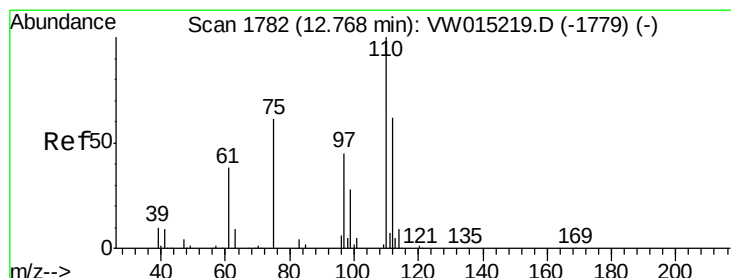
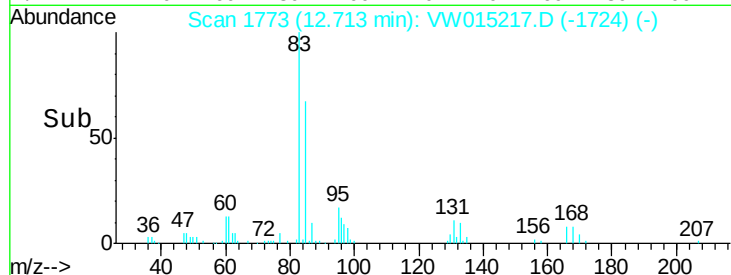
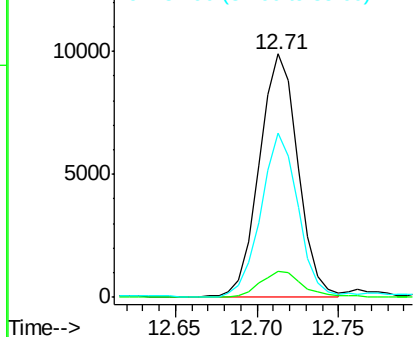
Tot Ion:	83	Resp:	16340
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.1	15.2
85	64.5	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 9.591 ug/l m

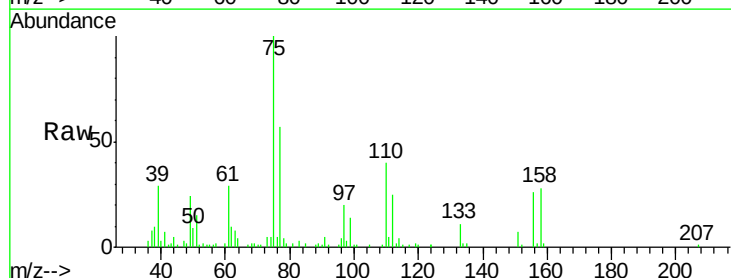
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

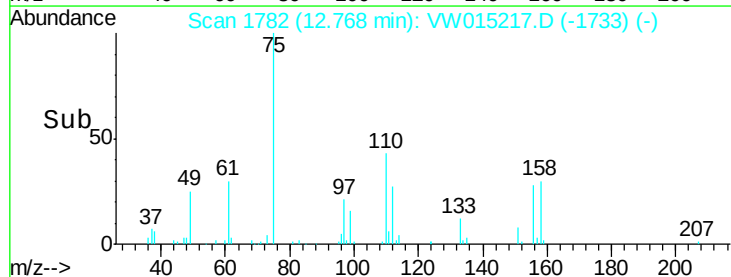
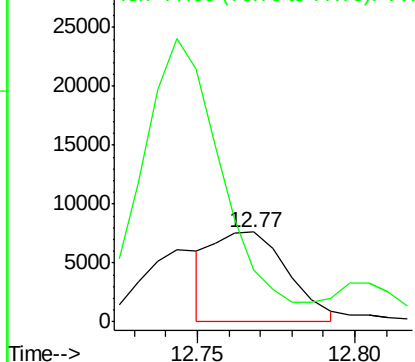
Lab File: VW015217.D

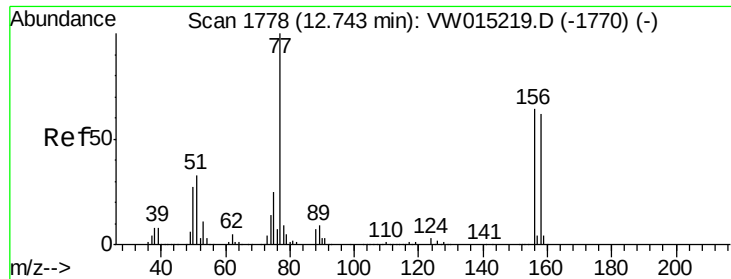
Acq: 20 Apr 2020 12:31

Tgt Ion:	75	Resp:	12620
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 10.358 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:156 Resp: 24597

Ion Ratio Lower Upper

156 100

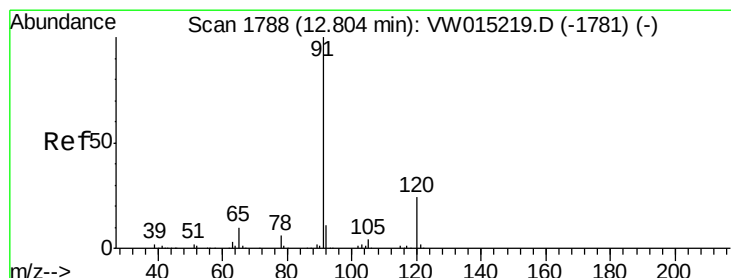
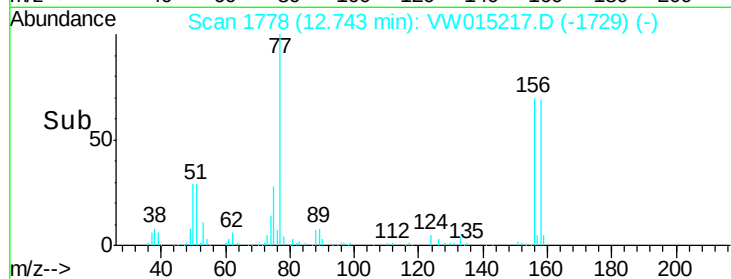
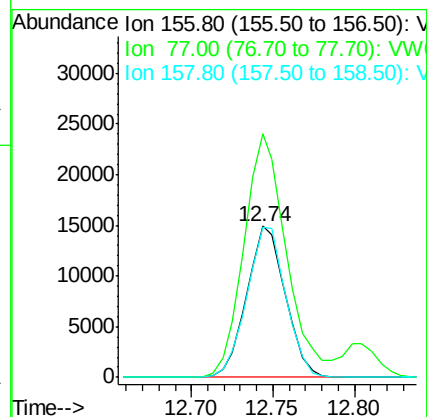
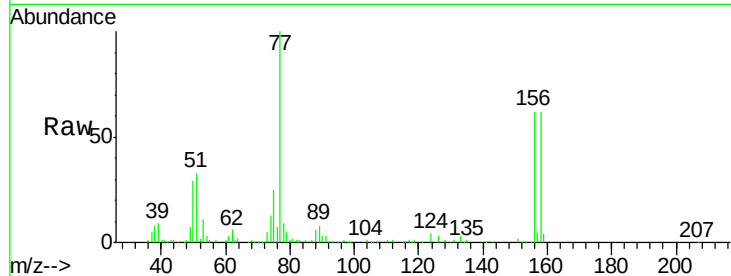
77 174.6 100.5 301.5

158 100.5 47.9 143.8

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#78

n-propylbenzene

Concen: 9.318 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015217.D

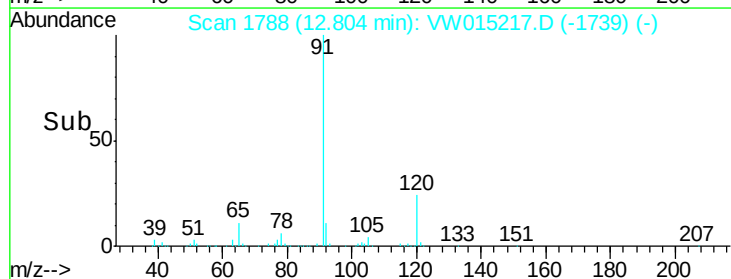
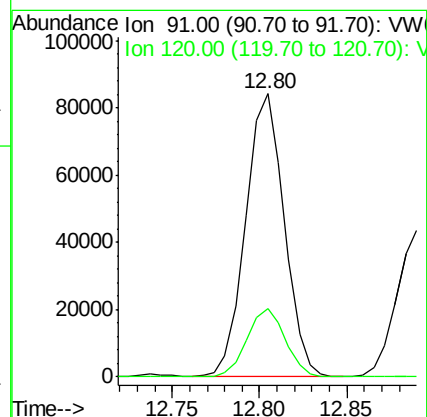
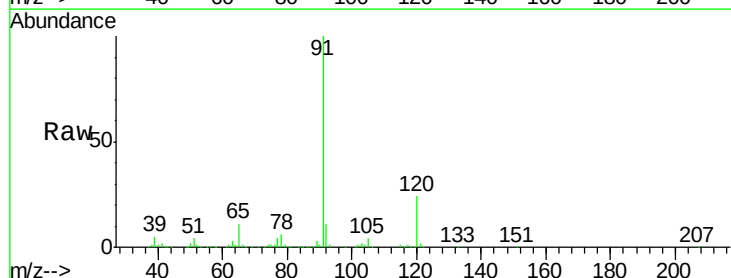
Acq: 20 Apr 2020 12:31

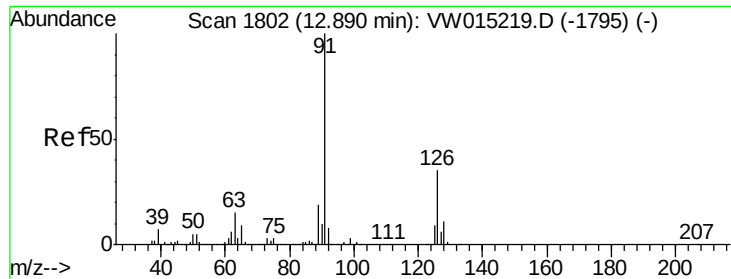
Tgt Ion: 91 Resp: 128809

Ion Ratio Lower Upper

91 100

120 24.0 11.4 34.1





#79

2-Chlorotoluene

Concen: 9.444 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015217.D

Acq: 20 Apr 2020 12:31

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 72171

Ion Ratio Lower Upper

91 100

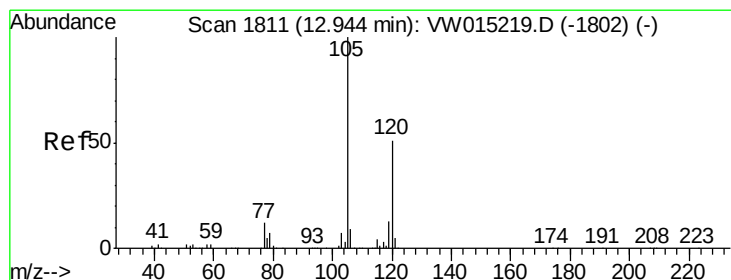
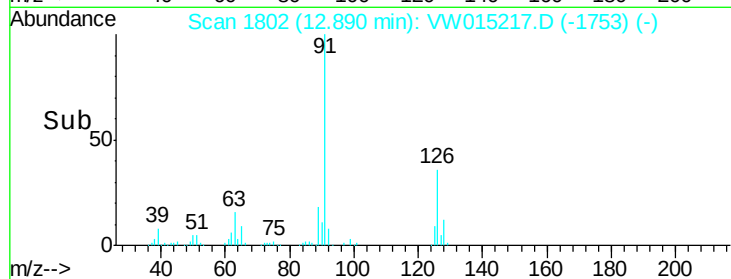
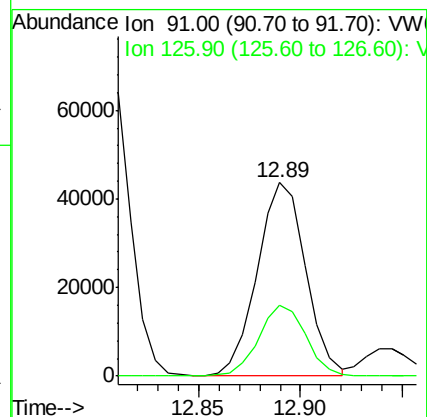
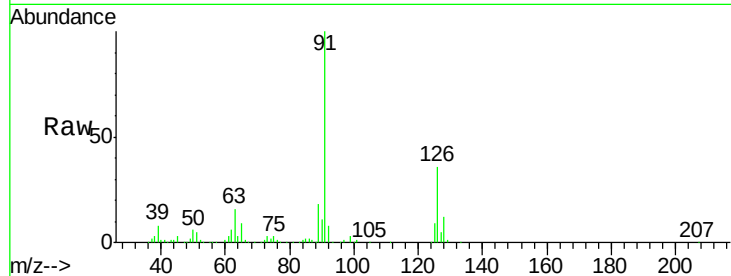
126 35.6 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 9.607 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015217.D

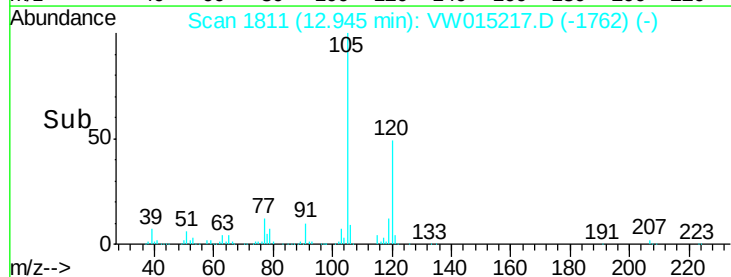
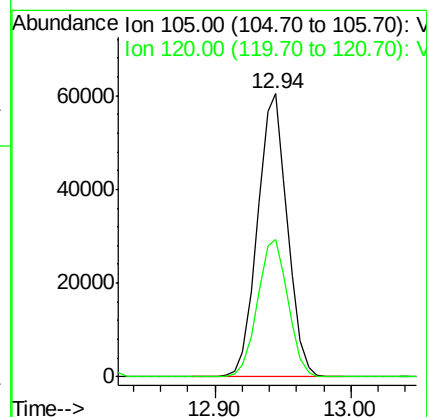
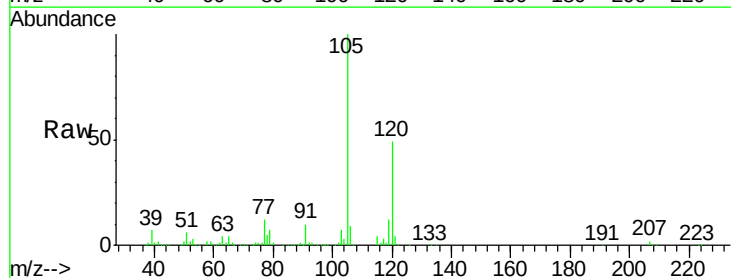
Acq: 20 Apr 2020 12:31

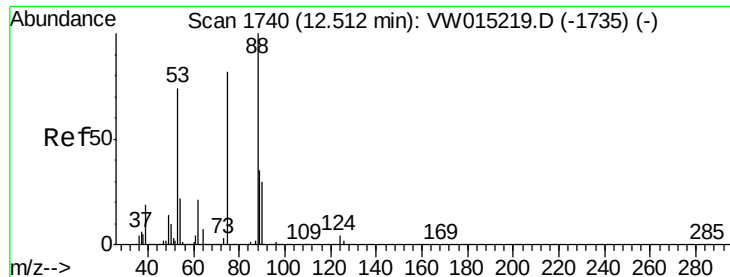
Tgt Ion:105 Resp: 92724

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.8





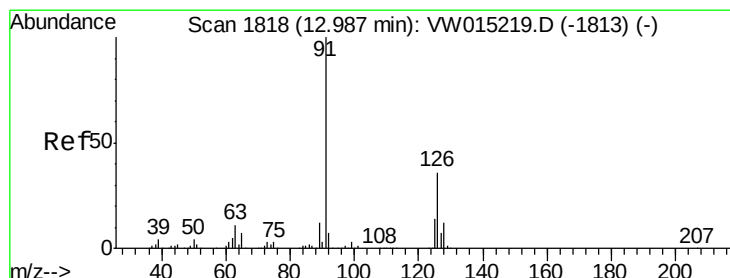
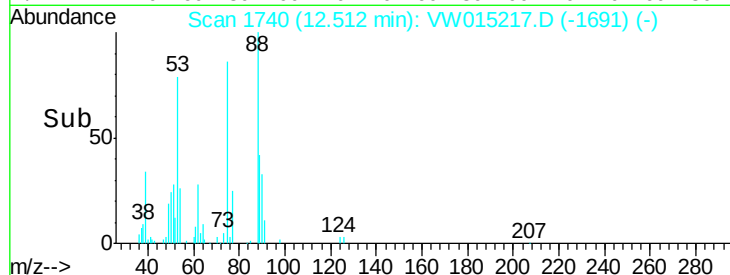
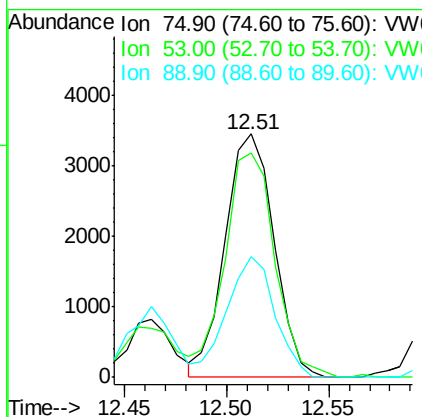
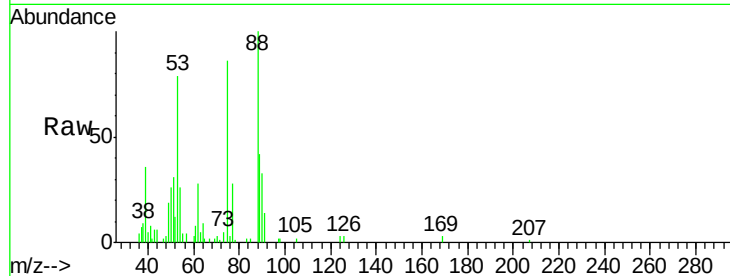
#81
trans-1,4-Dichloro-2-butene
Concen: 8.471 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.3	69.4	104.2
89	48.8	34.8	52.2

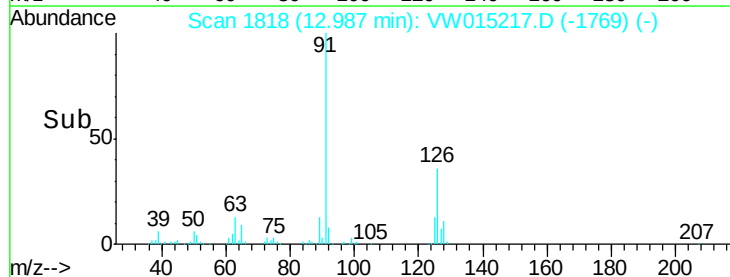
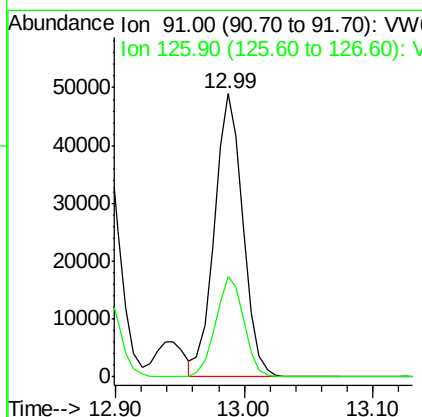
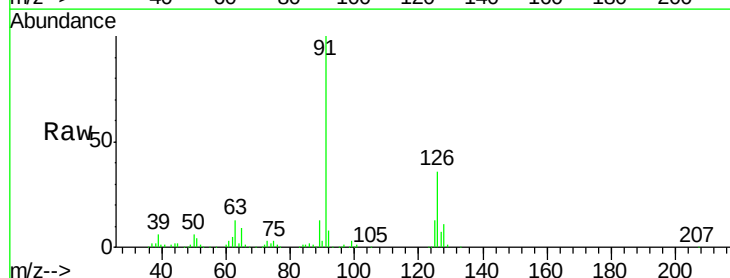
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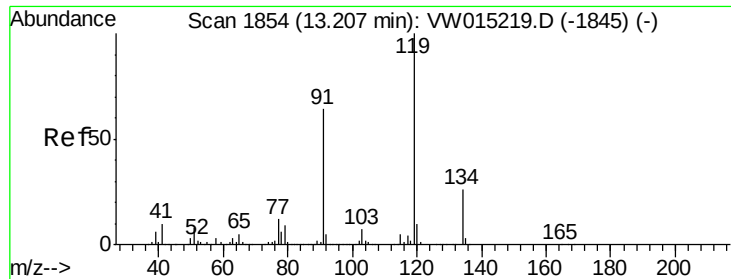
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#82
4-Chlorotoluene
Concen: 9.385 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.8	50.3





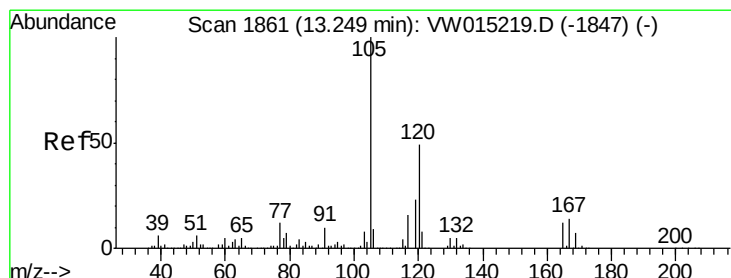
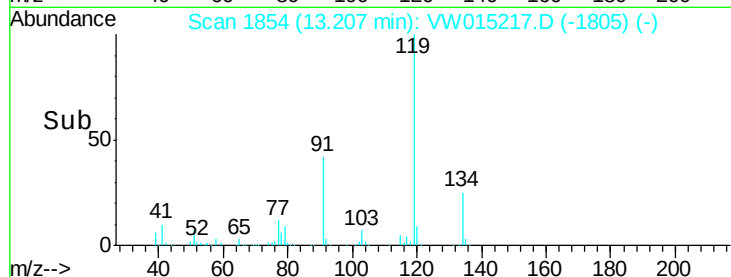
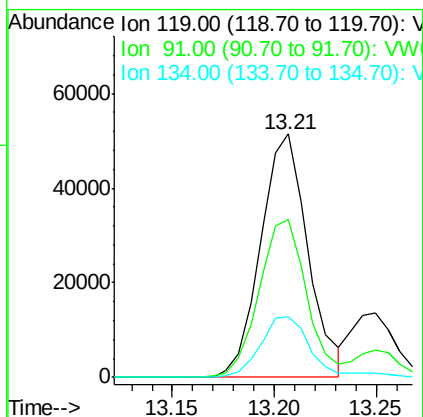
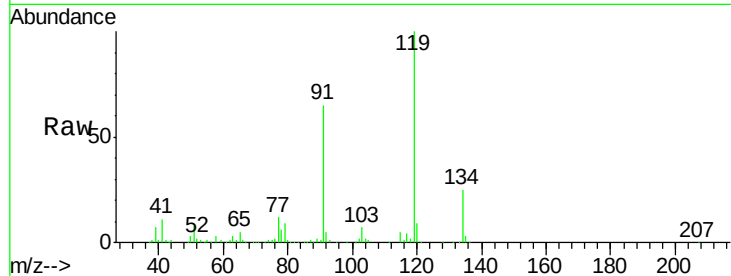
#83
tert-Butylbenzene
Concen: 9.908 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.8	98.3
134	27.0	13.3	39.9

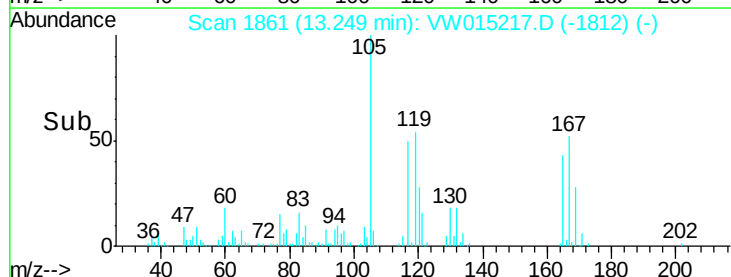
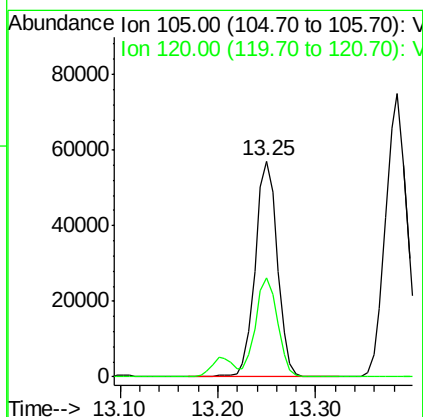
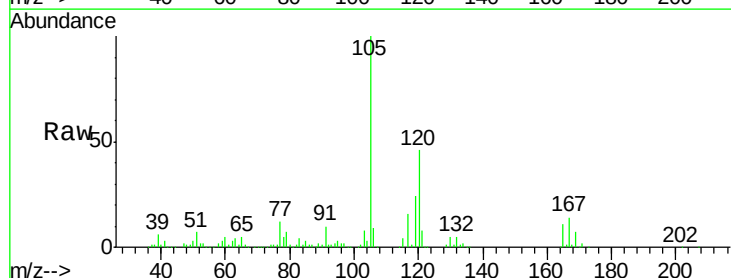
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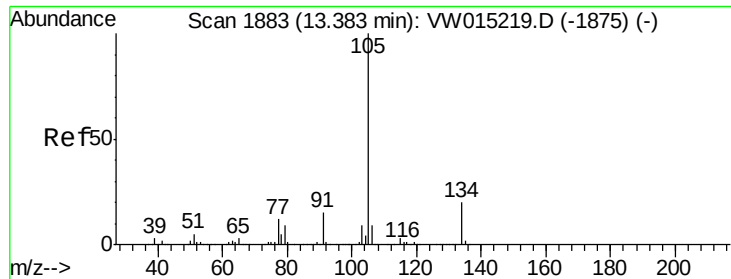
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#84
1,2,4-Trimethylbenzene
Concen: 9.423 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.0	69.0





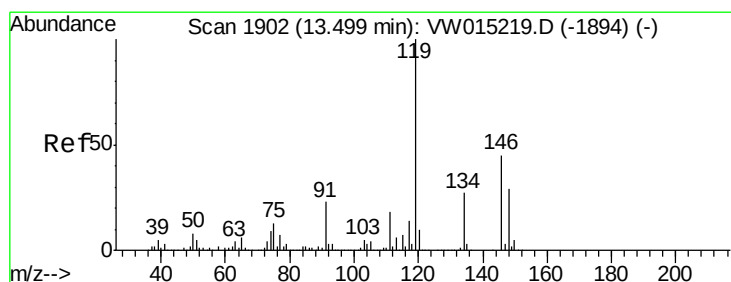
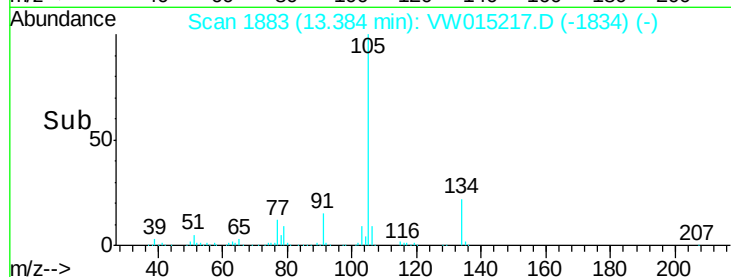
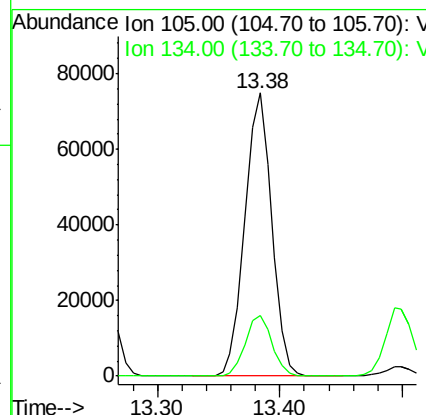
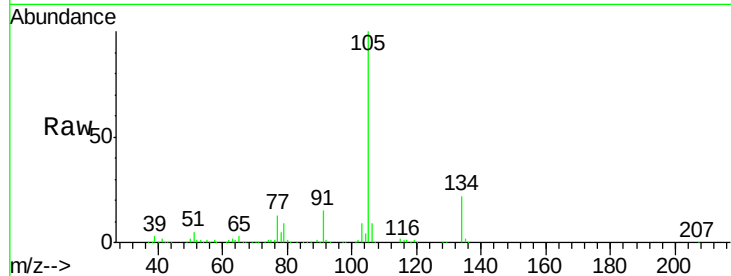
#85
 sec-Butylbenzene
 Concen: 9.581 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.1	30.1

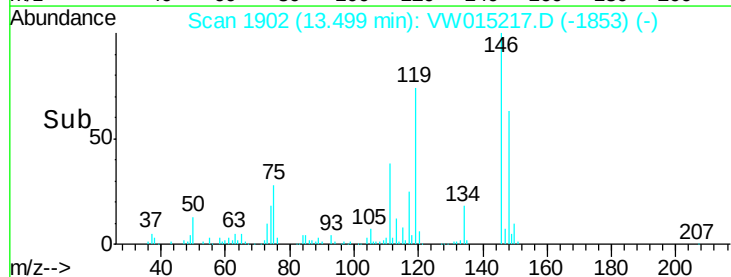
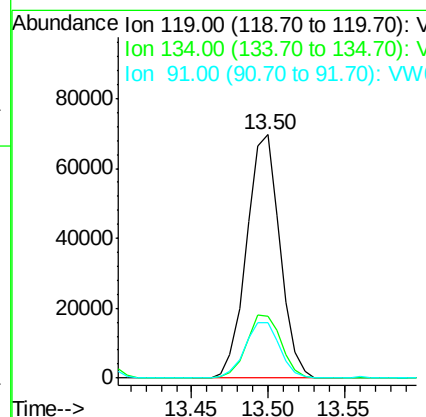
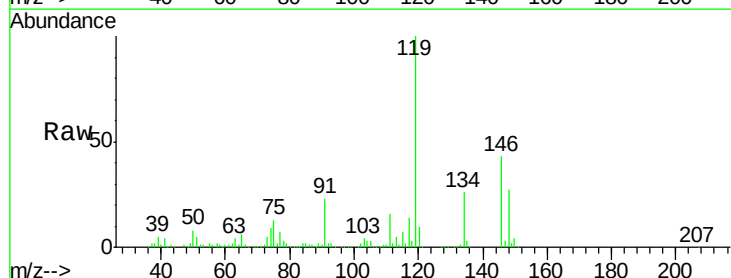
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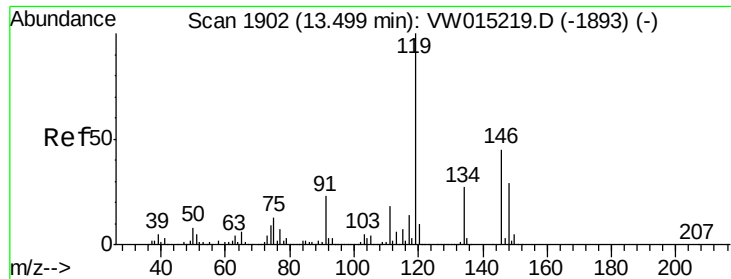
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#86
 p-Isopropyltoluene
 Concen: 9.907 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.3	39.9
91	23.5	12.0	36.1





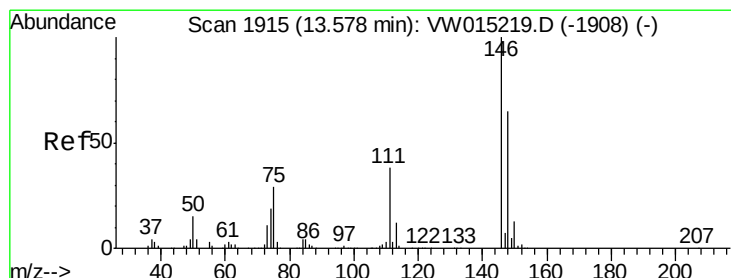
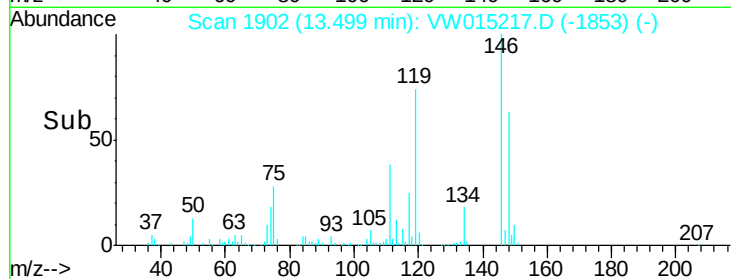
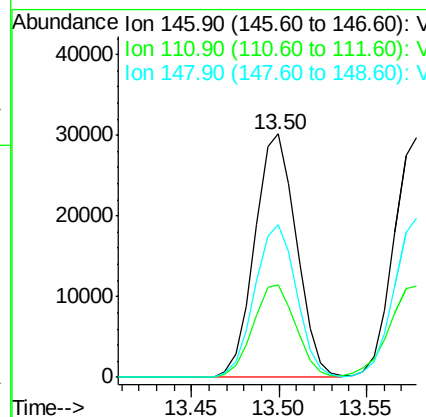
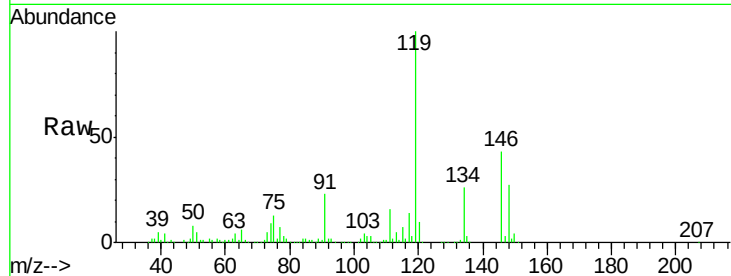
#87
 1,3-Dichlorobenzene
 Concen: 10.582 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	21.1	63.4
148	62.6	31.8	95.3

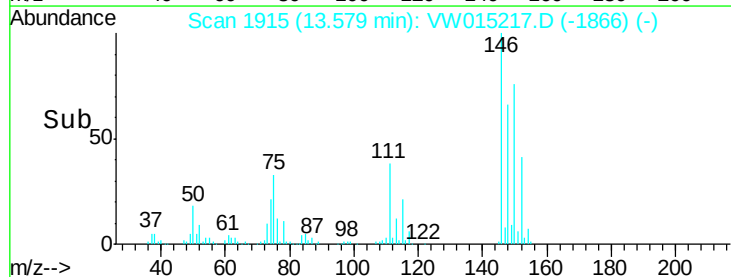
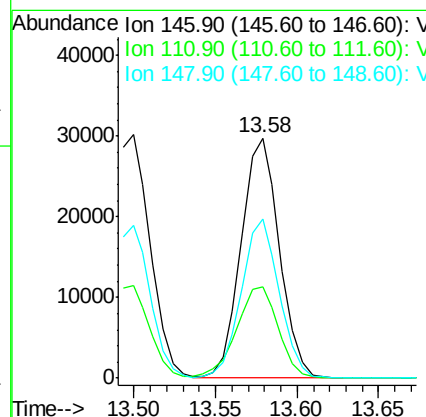
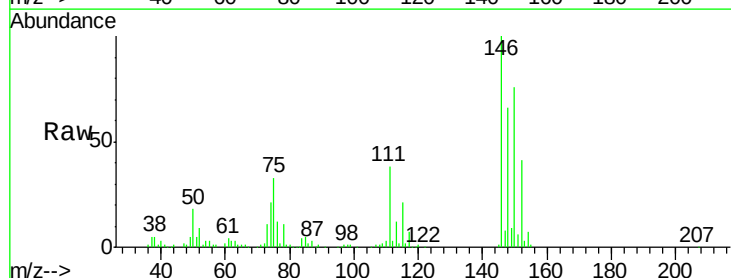
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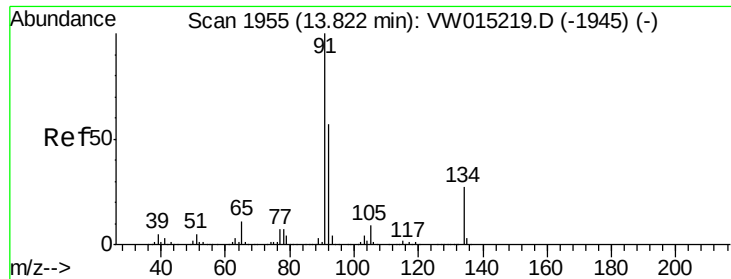
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#88
 1,4-Dichlorobenzene
 Concen: 10.347 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.4	61.3
148	65.5	31.5	94.5





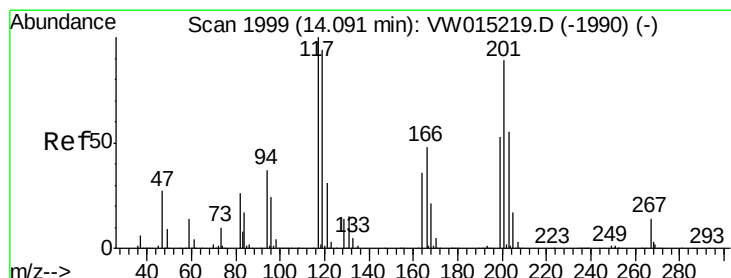
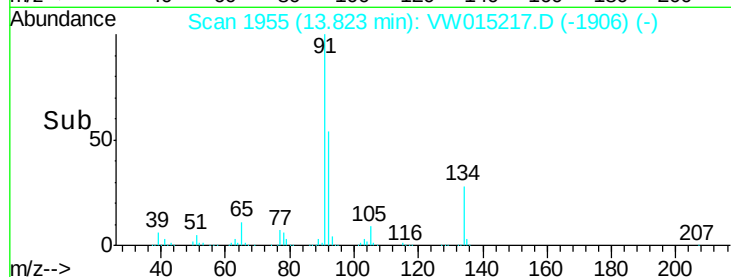
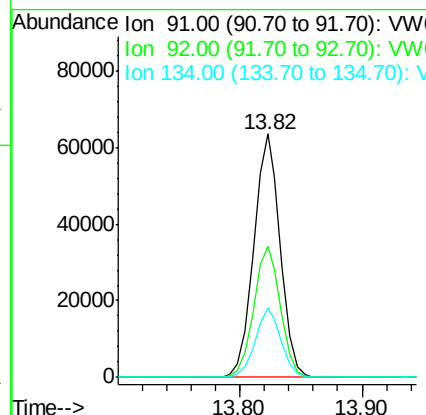
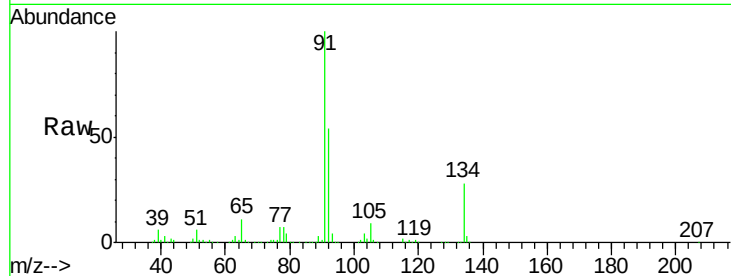
#89
n-Butylbenzene
Concen: 9.059 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.1	27.6	82.7	
134	27.5	12.8	38.3	

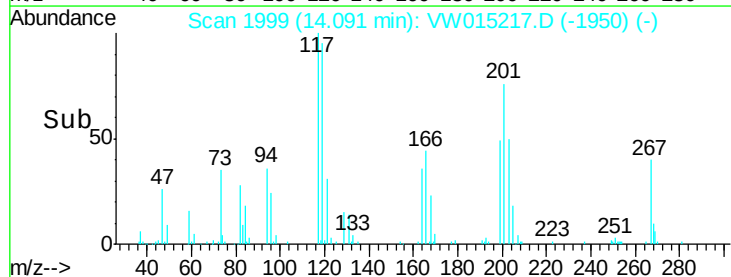
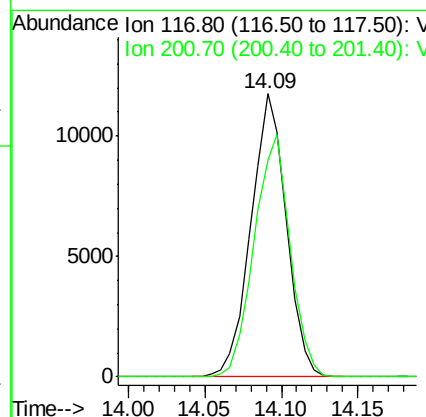
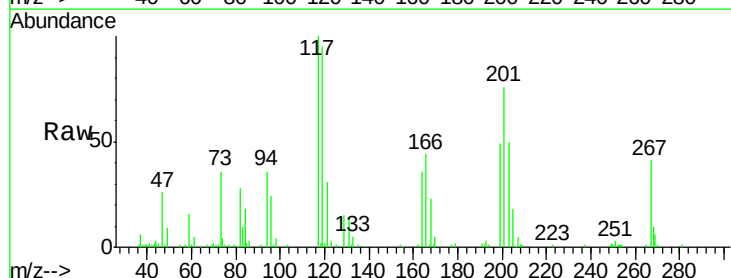
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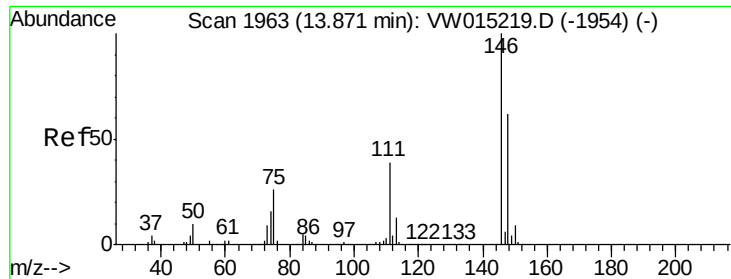
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#90
Hexachloroethane
Concen: 9.247 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.2	33.6	100.6	





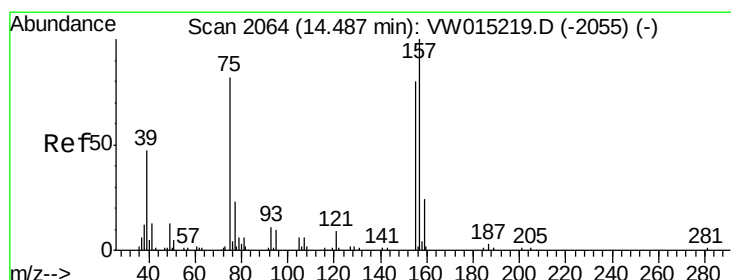
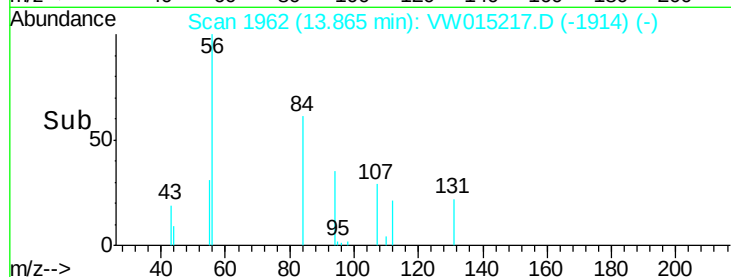
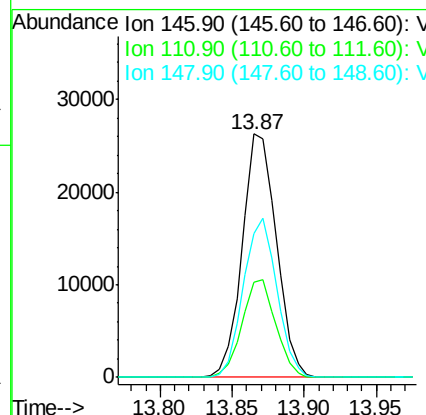
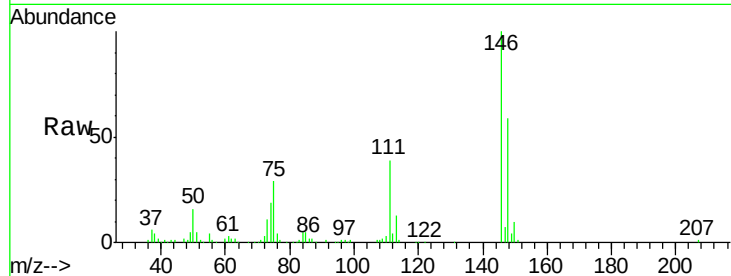
#91
 1,2-Dichlorobenzene
 Concen: 10.314 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.6	65.0
148	64.2	31.0	93.0

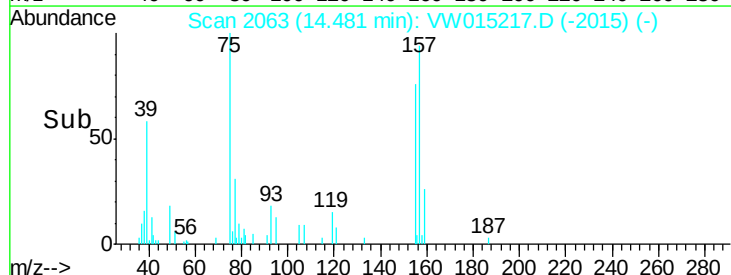
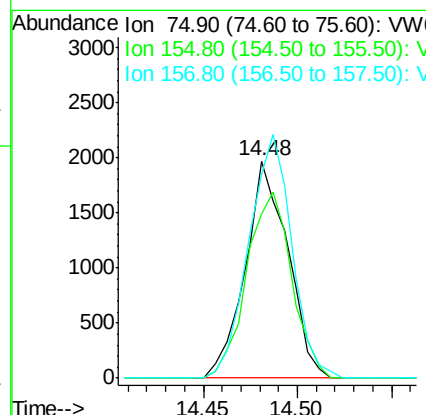
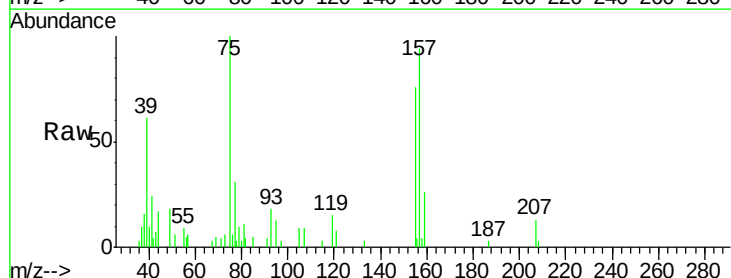
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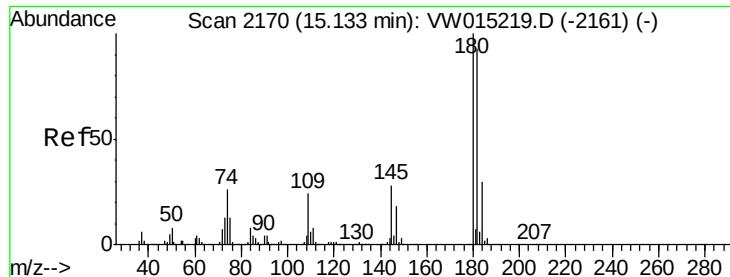
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.924 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	41.6	124.9
157	113.0	53.8	161.2





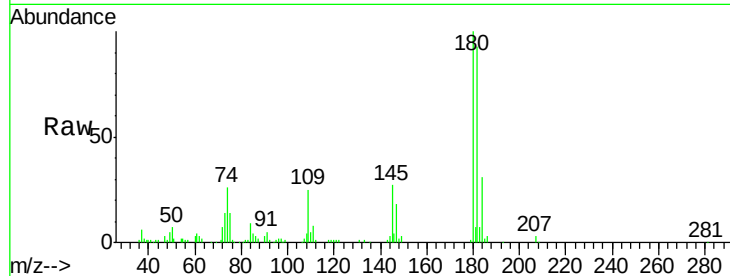
#93
 1,2,4-Trichlorobenzene
 Concen: 10.595 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

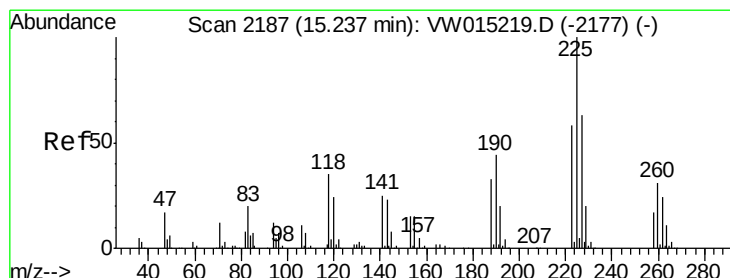
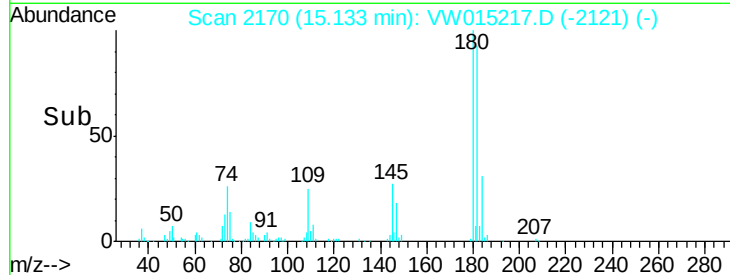
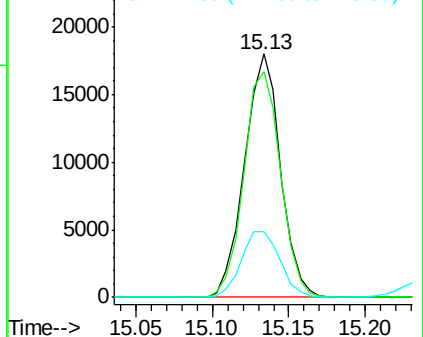
Tot Ion	Ratio	Resp	Lower	Upper
180	100	29406		
182	94.7		47.1	141.4
145	29.4		16.2	48.6

Manual Integrations
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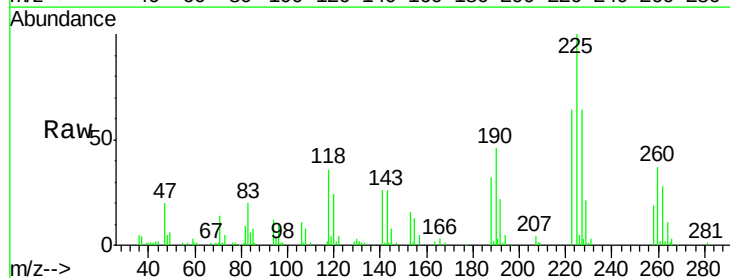


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

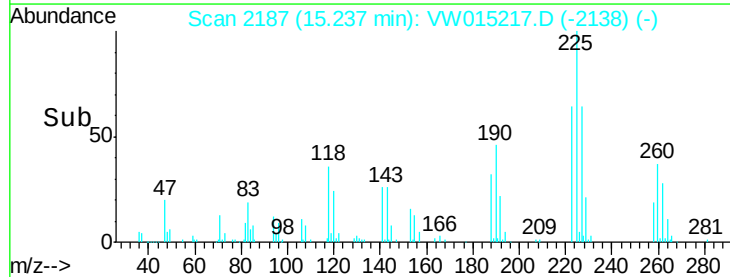
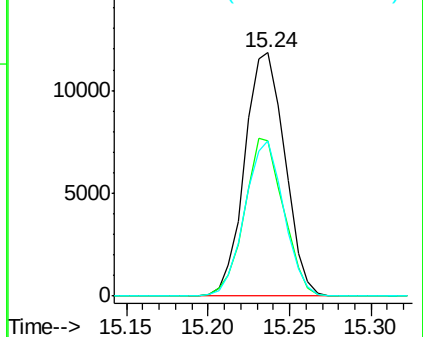


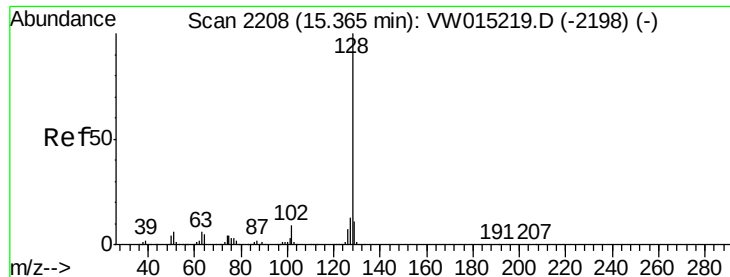
#94
 Hexachlorobutadiene
 Concen: 12.690 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015217.D
 Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	20321		
223	63.0		31.0	93.0
227	61.6		30.8	92.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





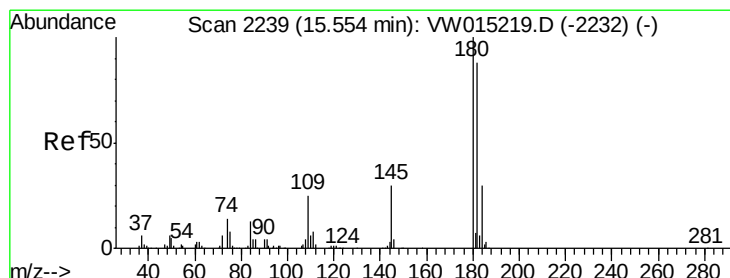
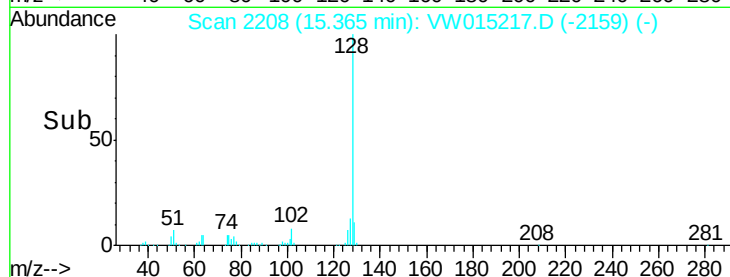
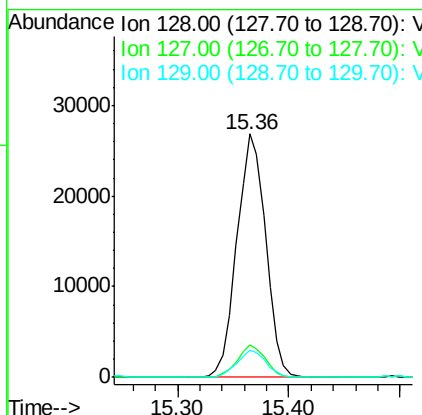
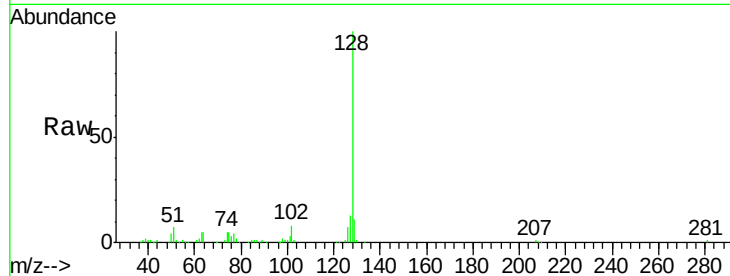
#95
Naphthalene
Concen: 9.033 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
4/21/2020 10:01:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 10.293 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015217.D
Acq: 20 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.8	146.3
145	31.4	17.2	51.6

