

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052019\
 Data File : VW010449.D
 Acq On : 20 May 2019 15:36
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 11:28:35 AM

Quant Time: May 21 06:34:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 06:23:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	147628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	258682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	227724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	105832	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	16298	10.25	ug/l	0.00
Spiked Amount			Recovery	=	20.50%	
35) Dibromofluoromethane	7.88	113	16301	10.28	ug/l	0.00
Spiked Amount			Recovery	=	20.56%	
50) Toluene-d8	10.32	98	64287	10.84	ug/l	0.00
Spiked Amount			Recovery	=	21.68%	
62) 4-Bromofluorobenzene	12.62	95	25264	10.84	ug/l	0.00
Spiked Amount			Recovery	=	21.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	12412	9.816	ug/l	96
3) Chloromethane	2.21	50	15172	8.893	ug/l	95
4) Vinyl Chloride	2.35	62	17438	9.696	ug/l	98
5) Bromomethane	2.75	94	12762	12.135	ug/l	99
6) Chloroethane	2.91	64	11334	10.069	ug/l	97
7) Trichlorofluoromethane	3.25	101	26482	10.583	ug/l	97
8) Diethyl Ether	3.68	74	8450	9.669	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16865	10.656	ug/l	98
10) Methyl Iodide	4.27	142	16579	9.248	ug/l	99
11) Tert butyl alcohol	5.17	59	7569	52.693	ug/l #	89
12) 1,1-Dichloroethene	4.03	96	15736	10.487	ug/l	96
13) Acrolein	3.90	56	5642	52.470	ug/l	95
14) Allyl chloride	4.67	41	22735	9.895	ug/l	97
15) Acrylonitrile	5.36	53	17796	48.200	ug/l	98
16) Acetone	4.12	43	14692	50.127	ug/l	92
17) Carbon Disulfide	4.37	76	45754	10.514	ug/l	100
18) Methyl Acetate	4.67	43	8005	9.156	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	40309	9.595	ug/l	98
20) Methylene Chloride	4.91	84	25513	14.405	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	17904	10.263	ug/l	94
22) Diisopropyl ether	6.31	45	47076	9.684	ug/l	95
23) Vinyl Acetate	6.26	43	137775	45.839	ug/l	100
24) 1,1-Dichloroethane	6.21	63	27919	9.831	ug/l	97
25) 2-Butanone	7.17	43	22370	46.837	ug/l	96
26) 2,2-Dichloropropane	7.17	77	26988	10.434	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	20024	10.302	ug/l	99
28) Bromochloromethane	7.51	49	10651	10.195	ug/l	99
29) Tetrahydrofuran	7.53	42	15101	46.727	ug/l	98
30) Chloroform	7.68	83	30439	10.181	ug/l	98
31) Cyclohexane	7.95	56	30647	10.685	ug/l #	85
32) 1,1,1-Trichloroethane	7.87	97	29369	10.397	ug/l	100
36) 1,1-Dichloropropene	8.08	75	24608	10.563	ug/l	100
37) Ethyl Acetate	7.26	43	10143	9.314	ug/l	99
38) Carbon Tetrachloride	8.07	117	26279	10.451	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	32875	10.534	ug/l	97
40) Benzene	8.32	78	68114	10.275	ug/l	97
41) Methacrylonitrile	7.48	41	5611	8.843	ug/l	96
42) 1,2-Dichloroethane	8.40	62	19406	9.932	ug/l	100
43) Isopropyl Acetate	8.42	43	20011	9.077	ug/l	98
44) Trichloroethene	9.09	130	20381	10.692	ug/l	96
45) 1,2-Dichloropropane	9.37	63	15839	9.845	ug/l	97
46) Dibromomethane	9.46	93	9336	9.861	ug/l	99
47) Bromodichloromethane	9.65	83	23374	9.890	ug/l	95
48) Methyl methacrylate	9.44	41	10065	9.877	ug/l	89
49) 1,4-Dioxane	9.45	88	3250	231.919	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	52163	46.190	ug/l	99
52) Toluene	10.39	92	45675	10.376	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	23599	9.719	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	27433	9.936	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	13211	9.674	ug/l	95
56) Ethyl methacrylate	10.65	69	18599	9.753	ug/l	98
57) 1,3-Dichloropropane	10.93	76	22601	9.860	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	42711	48.094	ug/l	99
59) 2-Hexanone	10.97	43	38075	48.268	ug/l	100
60) Dibromochloromethane	11.13	129	16562	9.748	ug/l	99
61) 1,2-Dibromoethane	11.24	107	13461	9.706	ug/l	98
64) Tetrachloroethene	10.86	164	16071	10.555	ug/l	93
65) Chlorobenzene	11.66	112	49123	10.494	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	17984	10.420	ug/l	99
67) Ethyl Benzene	11.73	91	88388	10.689	ug/l	99
68) m/p-Xylenes	11.84	106	68994	21.306	ug/l	99
69) o-Xylene	12.17	106	32663	10.602	ug/l	99
70) Styrene	12.18	104	54402	10.272	ug/l	99
71) Bromoform	12.35	173	9223	9.616	ug/l #	99
73) Isopropylbenzene	12.47	105	89190	10.734	ug/l	100
74) N-amyl acetate	12.27	43	20247	9.732	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	16835	10.450	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	11781m	10.489	ug/l	
77) Bromobenzene	12.75	156	19393	10.359	ug/l	93
78) n-propylbenzene	12.80	91	103466	10.763	ug/l	98
79) 2-Chlorotoluene	12.90	91	60884	10.854	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	75047	10.637	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	5430	9.541	ug/l	95
82) 4-Chlorotoluene	12.99	91	62922	10.761	ug/l	99
83) tert-Butylbenzene	13.21	119	64802	10.831	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	75935	10.918	ug/l	98
85) sec-Butylbenzene	13.38	105	92433	10.983	ug/l	100
86) p-Isopropyltoluene	13.50	119	83298	10.930	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39154	10.851	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	38979	10.823	ug/l	94
89) n-Butylbenzene	13.83	91	78700	10.838	ug/l	99
90) Hexachloroethane	14.10	117	15928	10.435	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	35341	10.814	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3372	11.223	ug/l	94

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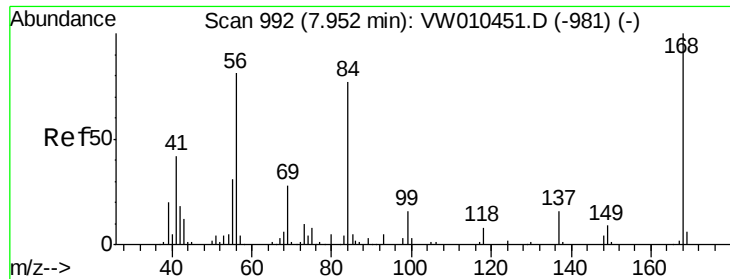
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	24133	11.180	ug/l	99
94) Hexachlorobutadiene	15.24	225	12379	10.689	ug/l	96
95) Naphthalene	15.37	128	51478	10.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	21050	11.095	ug/l	97

(#) = 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: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 147628

Ion Ratio Lower Upper

168 100

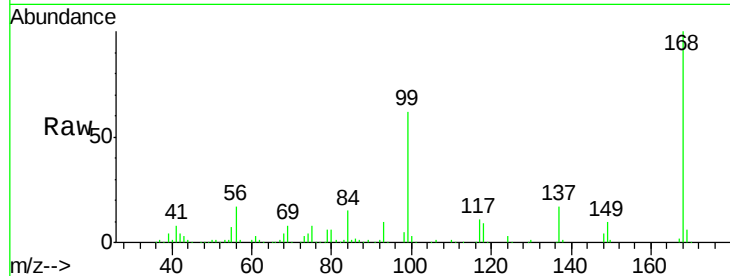
99 62.1 46.1 69.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

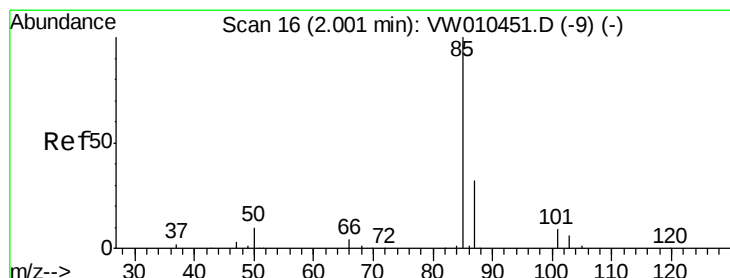
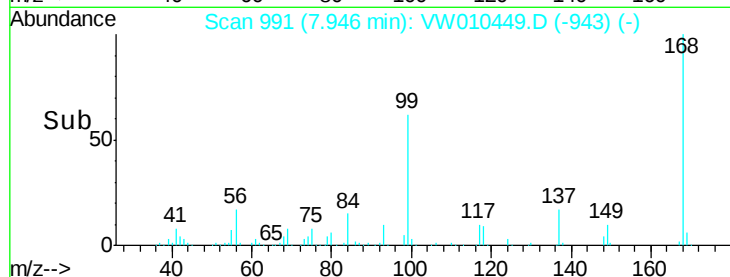
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 9.816 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010449.D

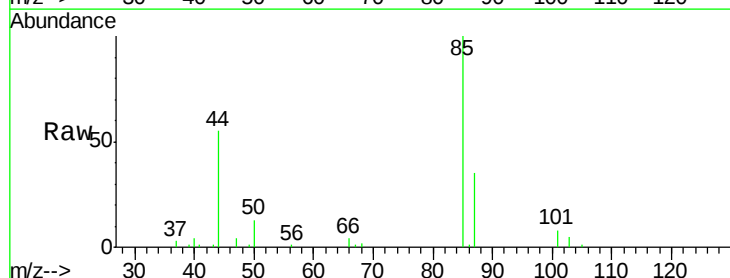
Acq: 20 May 2019 15:36

Tgt Ion: 85 Resp: 12412

Ion Ratio Lower Upper

85 100

87 34.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

8000

6000

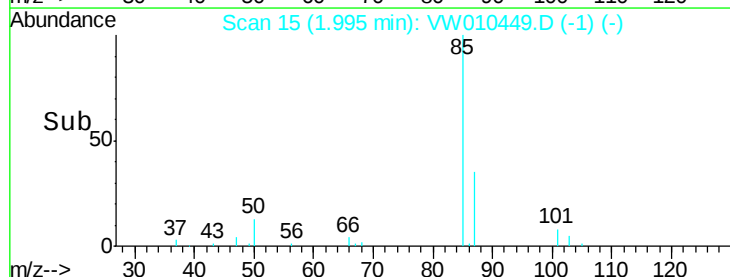
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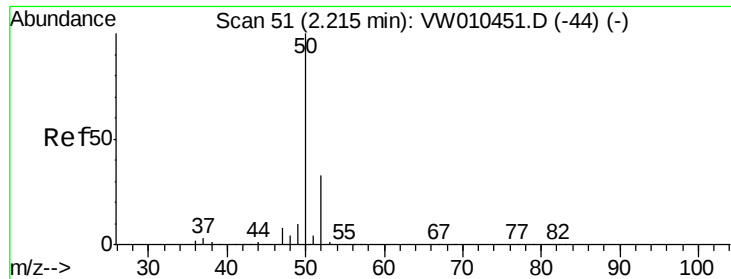
2000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 8.893 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 15172

Ion Ratio Lower Upper

50 100

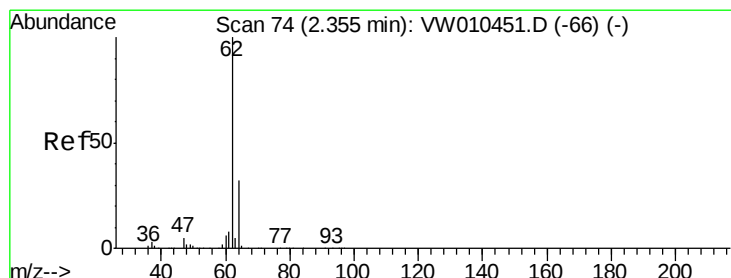
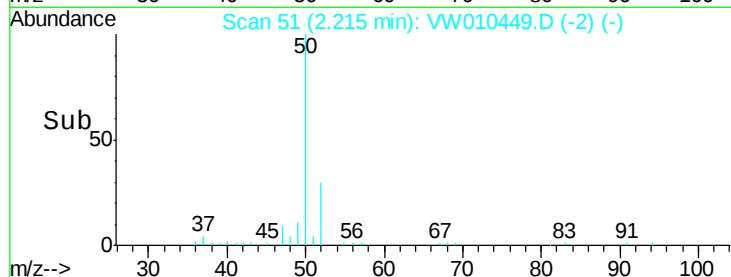
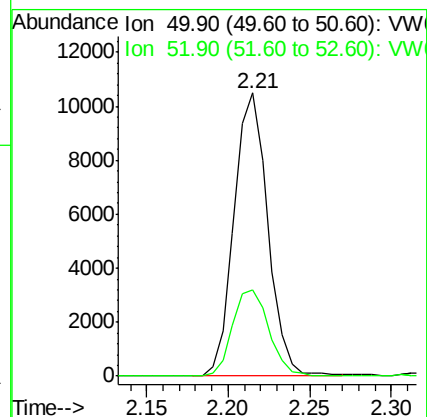
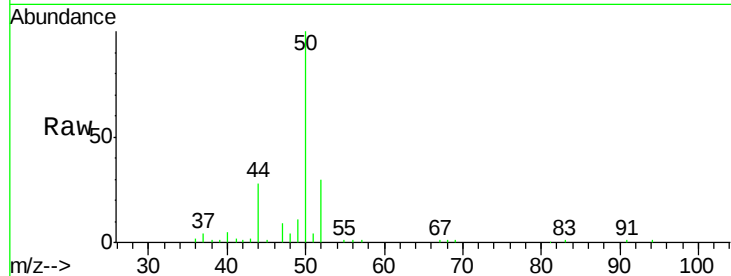
52 30.3 26.3 39.5

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#4

Vinyl Chloride

Concen: 9.696 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW010449.D

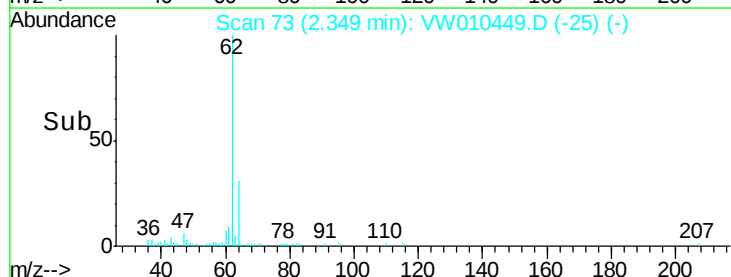
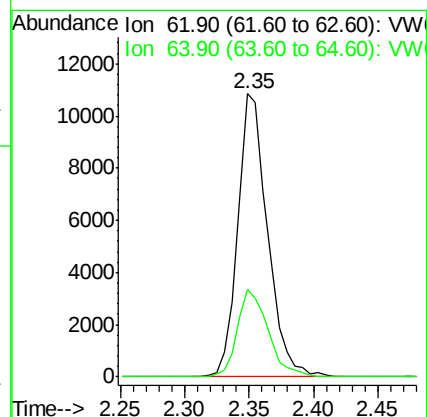
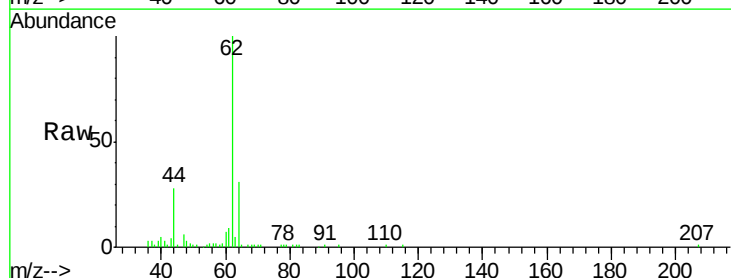
Acq: 20 May 2019 15:36

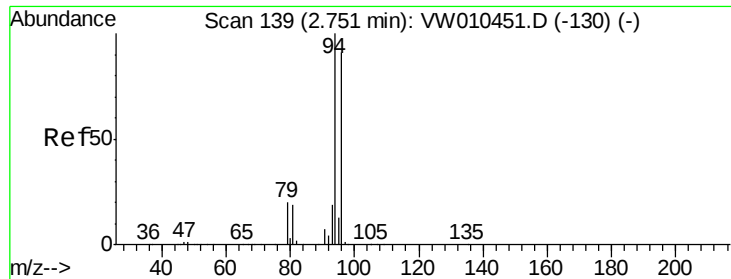
Tgt Ion: 62 Resp: 17438

Ion Ratio Lower Upper

62 100

64 31.0 25.8 38.8





#5

Bromomethane

Concen: 12.135 ug/l

RT: 2.75 min Scan# 139

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 12762

Ion Ratio Lower Upper

94 100

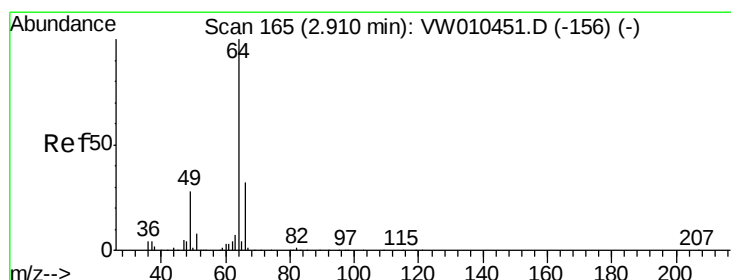
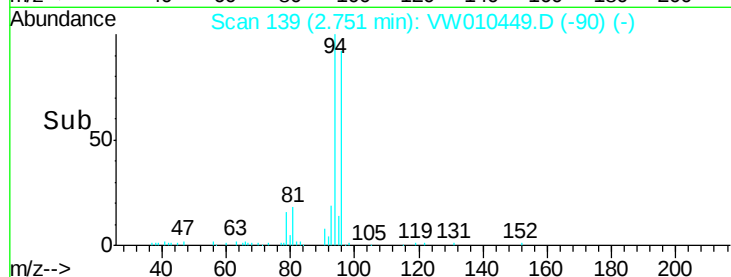
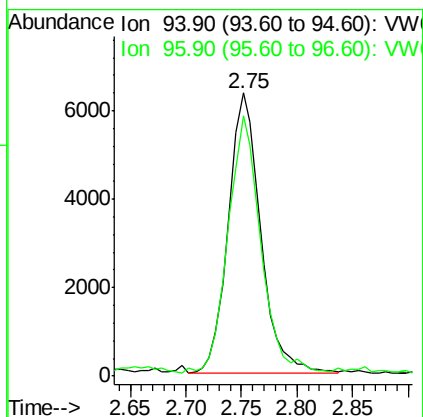
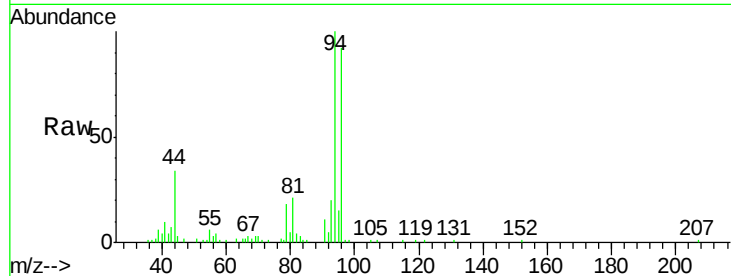
96 90.2 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 10.069 ug/l

RT: 2.91 min Scan# 165

Delta R.T. 0.00 min

Lab File: VW010449.D

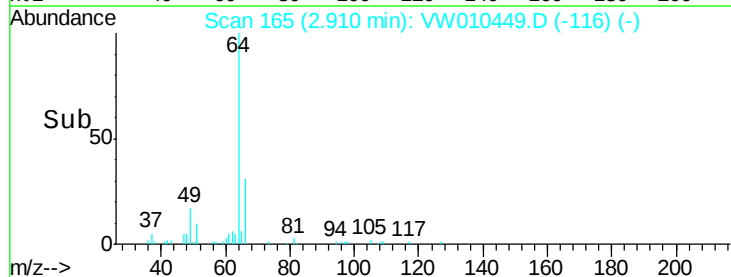
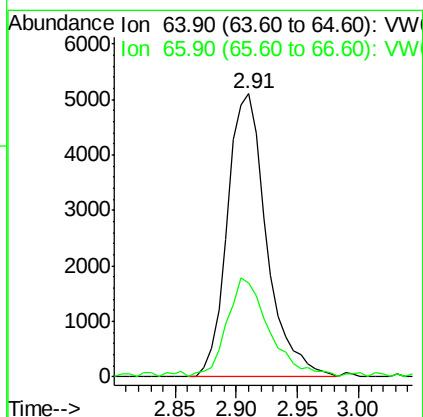
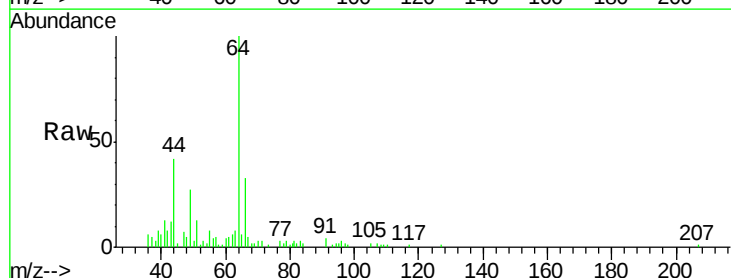
Acq: 20 May 2019 15:36

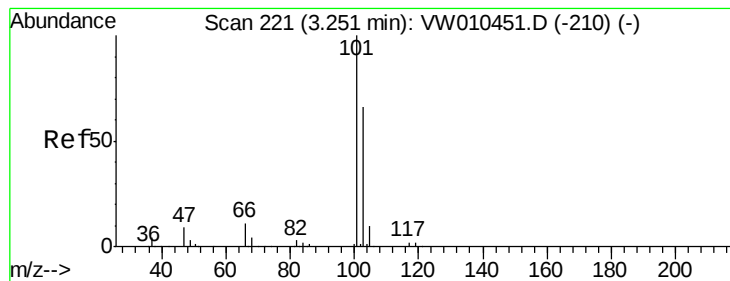
Tgt Ion: 64 Resp: 11334

Ion Ratio Lower Upper

64 100

66 33.4 25.5 38.3





#7

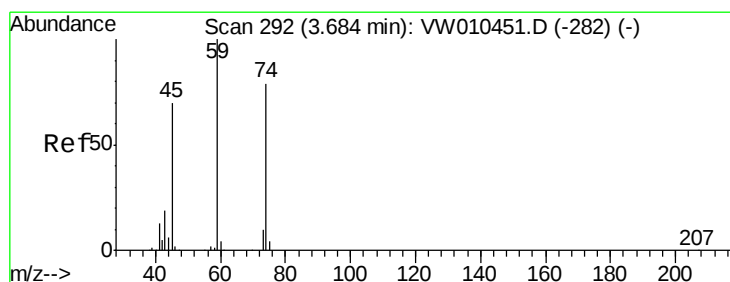
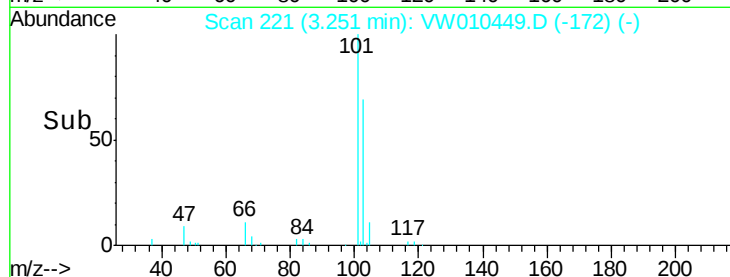
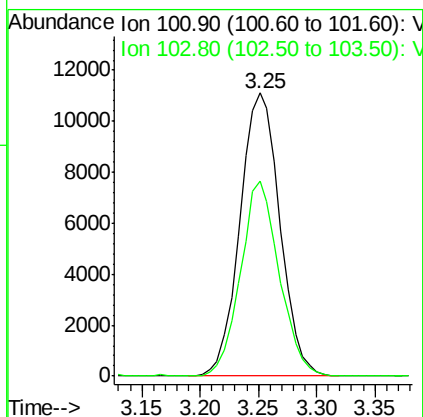
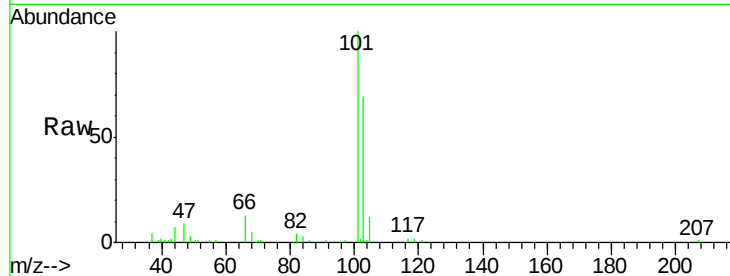
Trichlorofluoromethane
 Concen: 10.583 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VW010449.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.7	53.0	79.4

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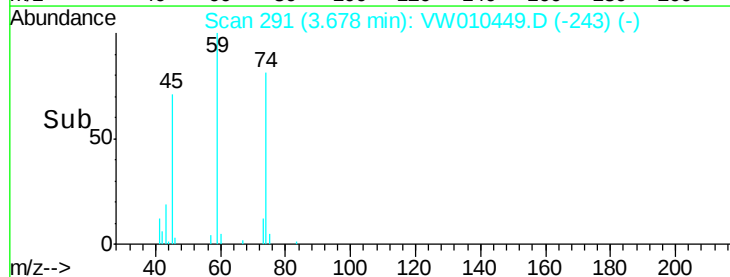
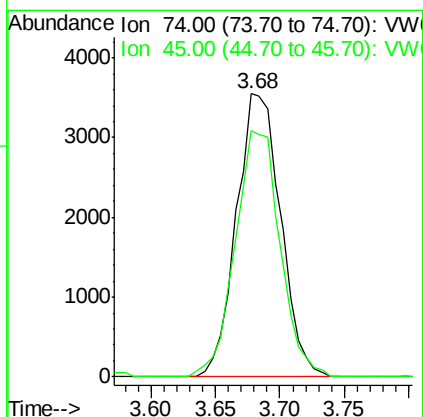
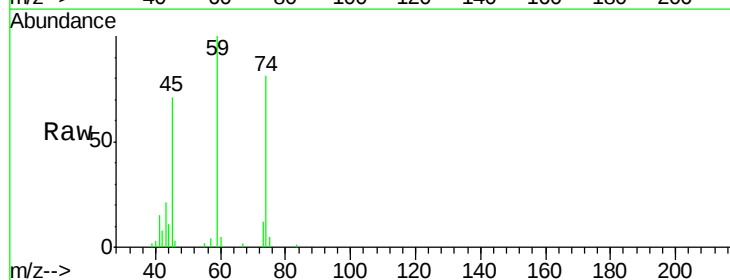
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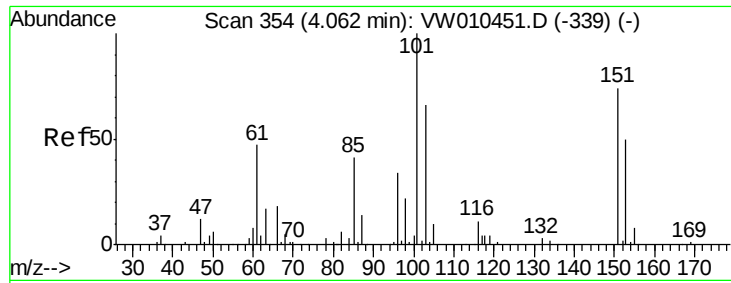


#8

Diethyl Ether
 Concen: 9.669 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.0	42.9	128.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.656 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

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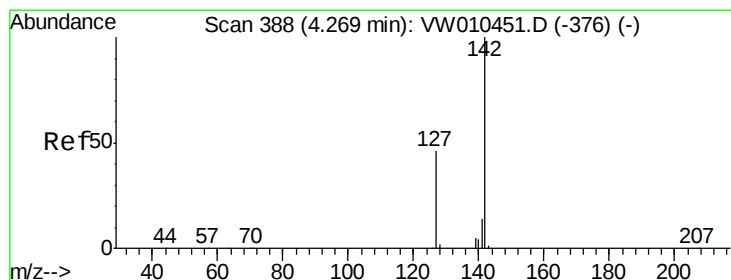
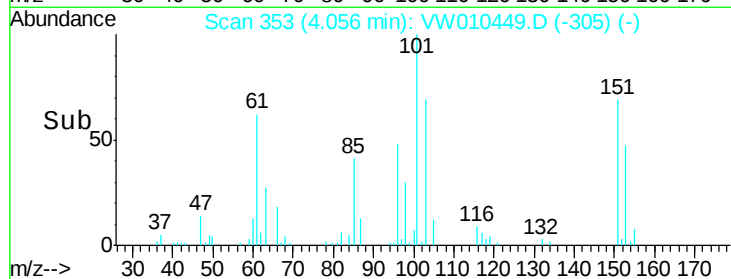
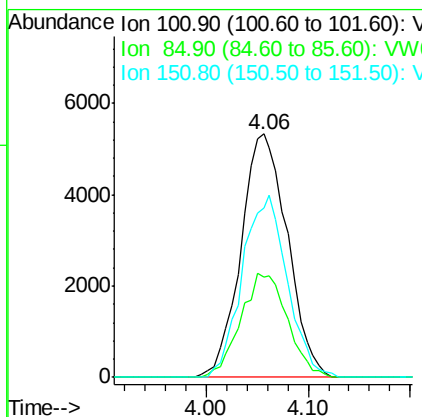
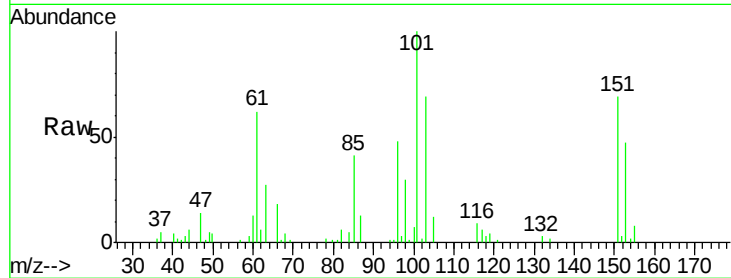
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	16865
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.3	51.5
151	72.3	60.3	90.5

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#10

Methyl Iodide

Concen: 9.248 ug/l

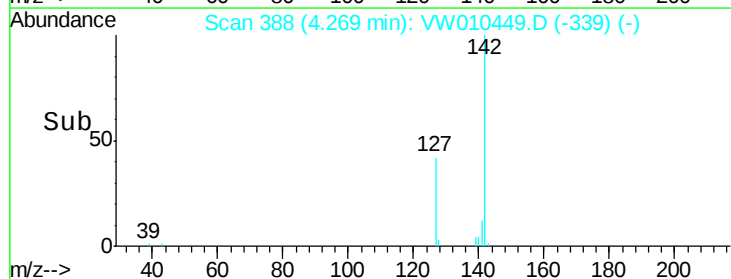
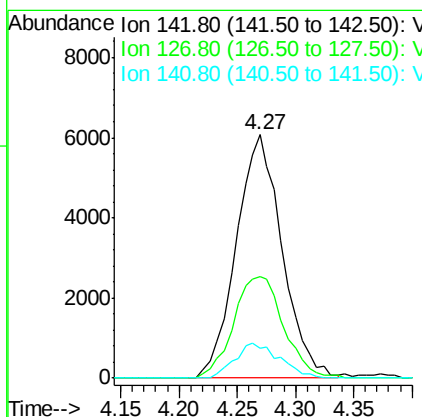
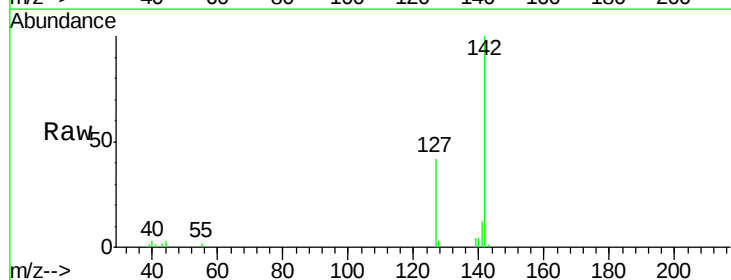
RT: 4.27 min Scan# 388

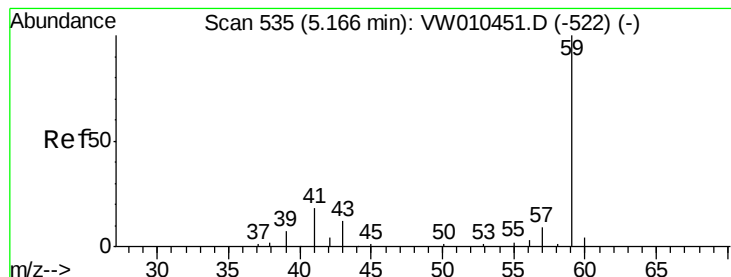
Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Tgt Ion:	142	Resp:	16579
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.1	54.1
141	14.0	11.3	16.9





#11

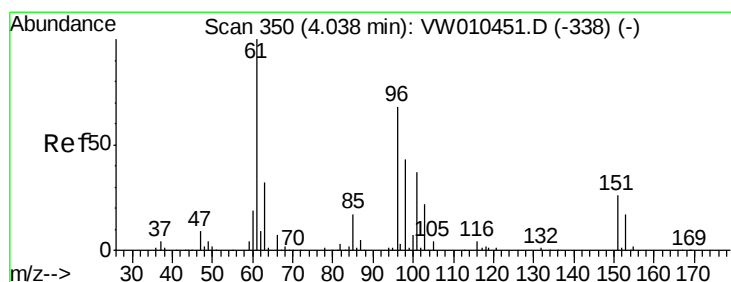
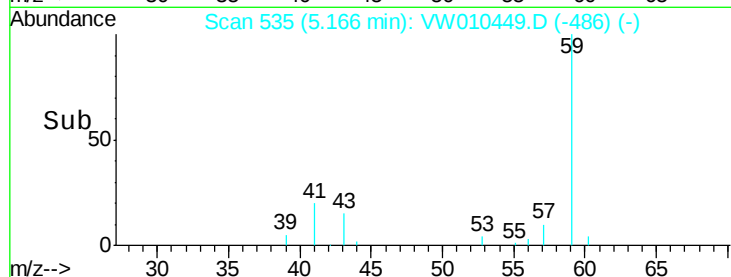
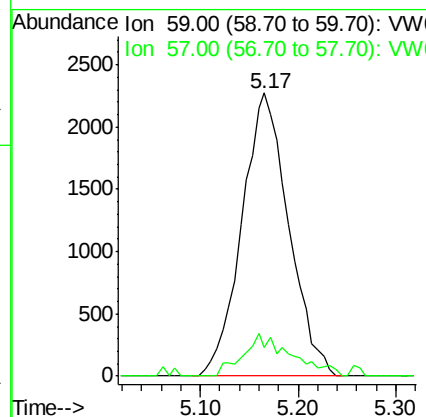
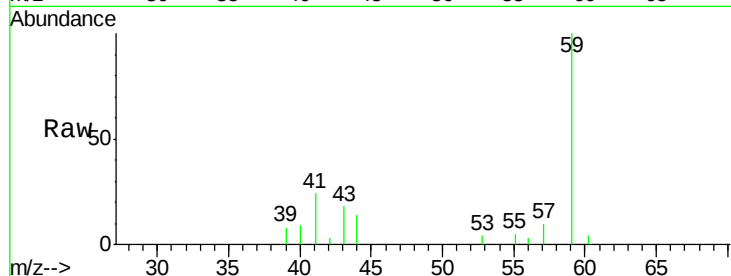
Tert butyl alcohol
 Concen: 52.693 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	15.3	8.8	13.2#

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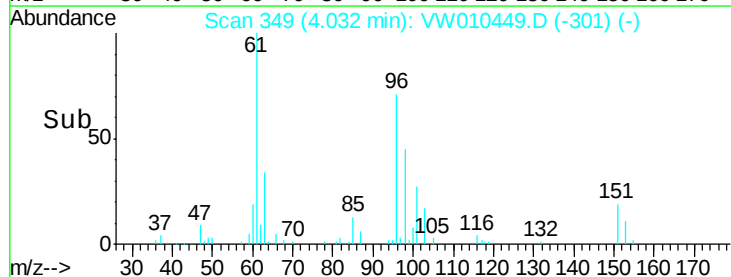
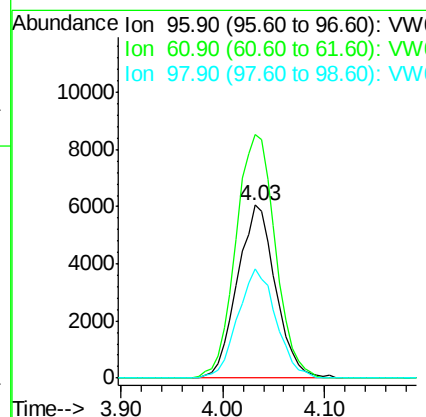
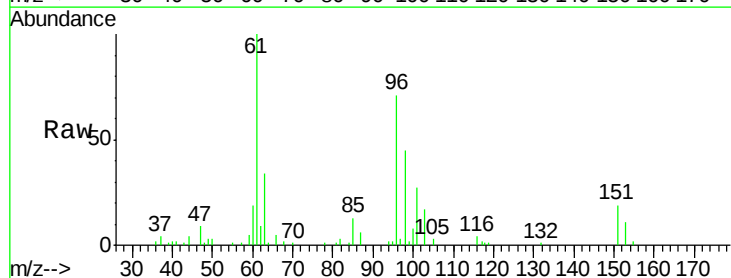
MMDadoda
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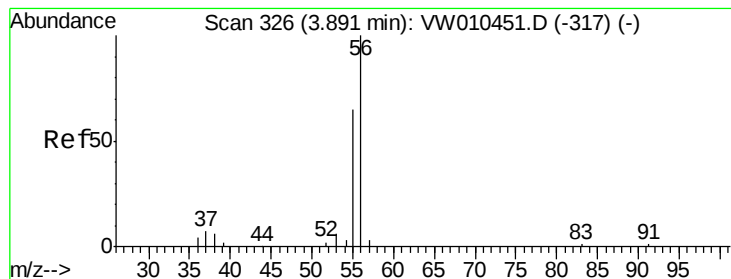


#12

1,1-Dichloroethene
 Concen: 10.487 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.8	118.3	177.5
98	63.2	51.0	76.6





#13

Acrolein

Concen: 52.470 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 5642

Ion Ratio Lower Upper

56 100

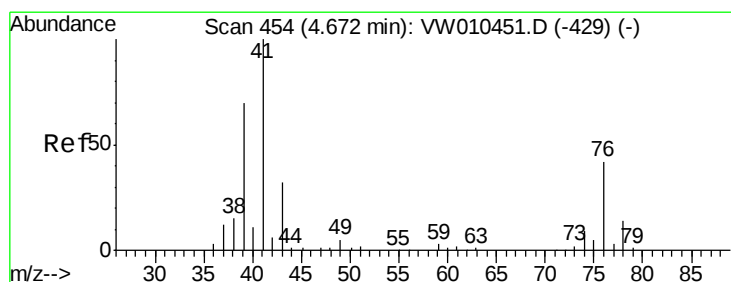
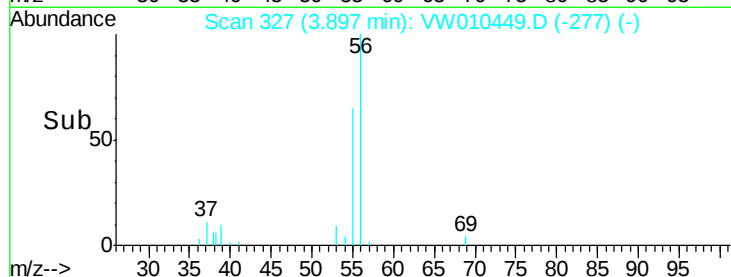
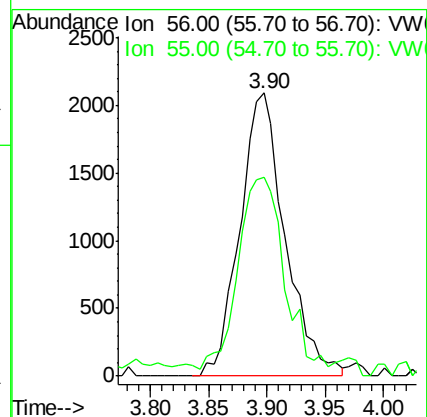
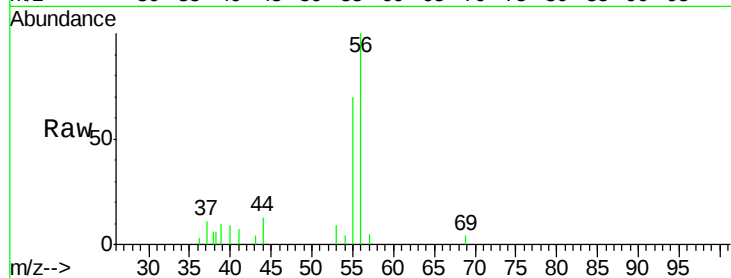
55 68.0 57.9 86.9

Manual Integrations

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#14

Allyl chloride

Concen: 9.895 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

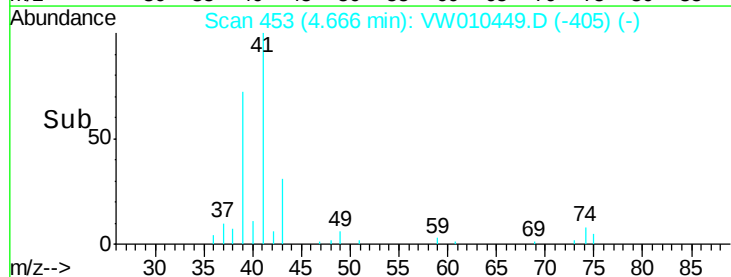
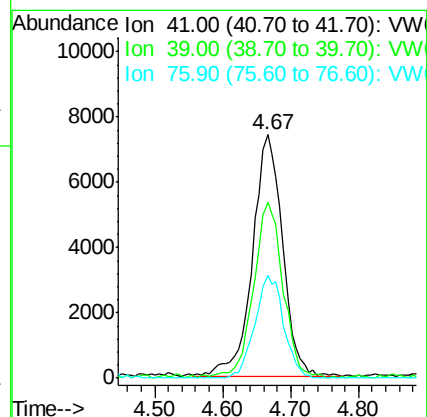
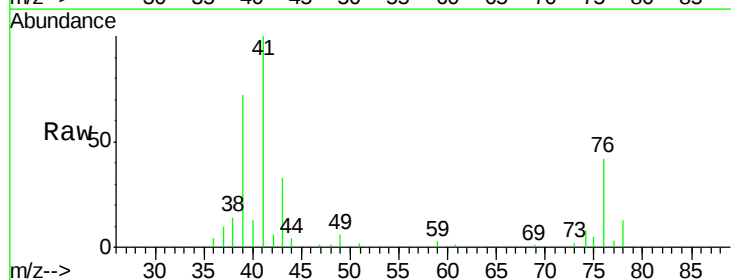
Tgt Ion: 41 Resp: 22735

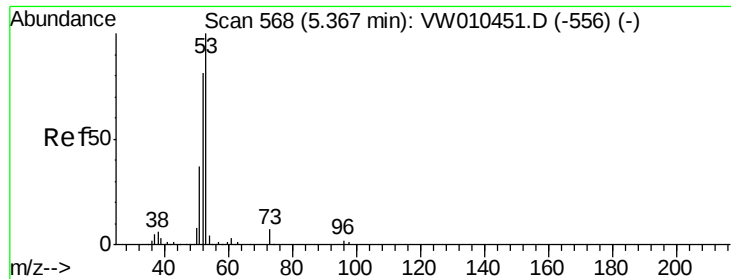
Ion Ratio Lower Upper

41 100

39 72.1 55.0 82.4

76 40.7 32.8 49.2





#15

Acrylonitrile

Concen: 48.200 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

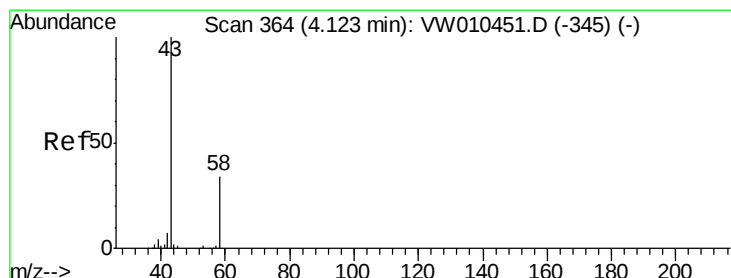
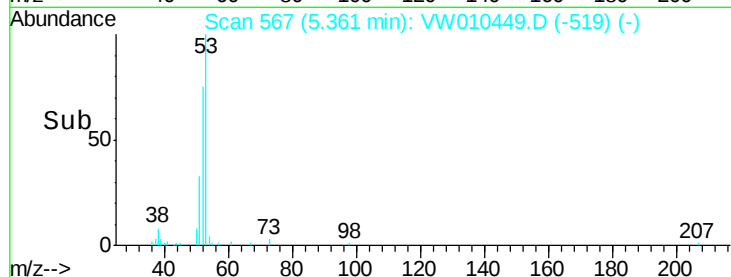
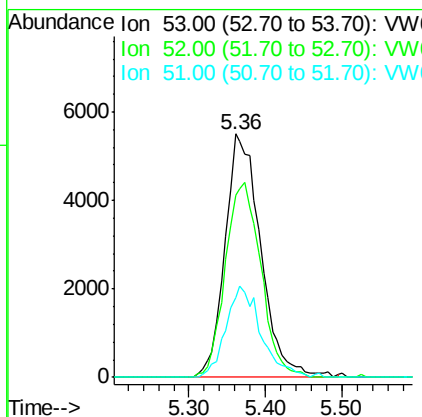
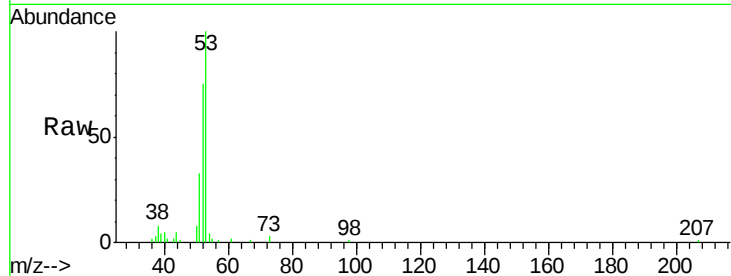
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	17796
Ion	Ratio	Lower	Upper
53	100		
52	79.6	65.6	98.4
51	36.8	29.5	44.3

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#16

Acetone

Concen: 50.127 ug/l

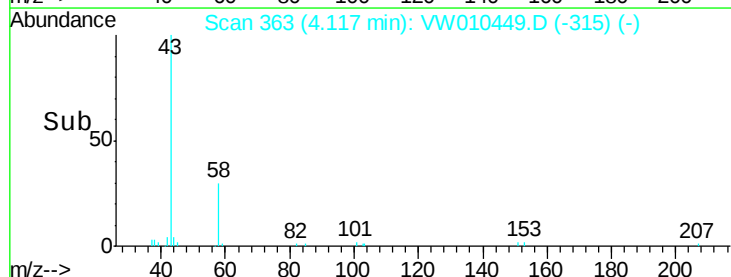
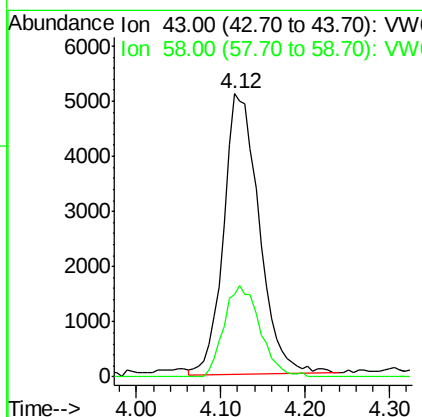
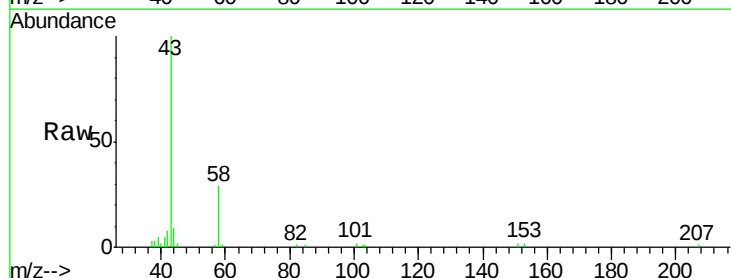
RT: 4.12 min Scan# 363

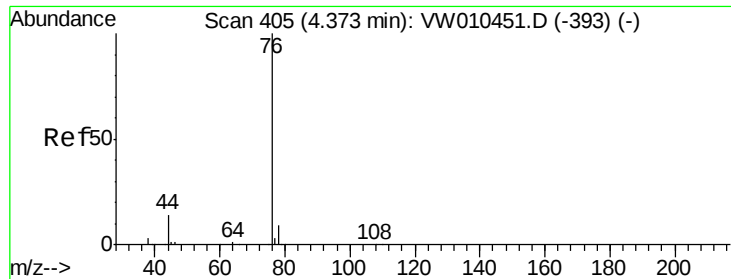
Delta R.T. -0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Tgt Ion:	43	Resp:	14692
Ion	Ratio	Lower	Upper
43	100		
58	29.4	27.0	40.4





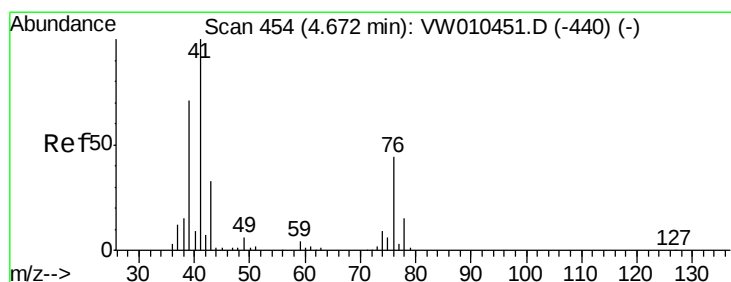
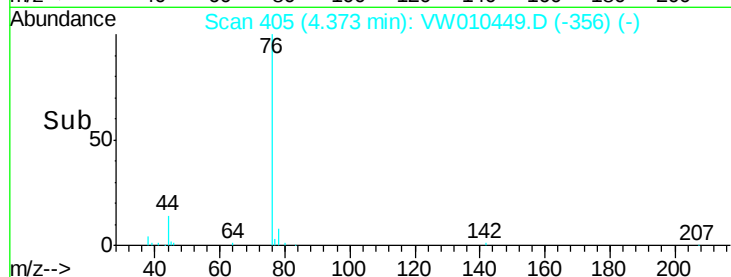
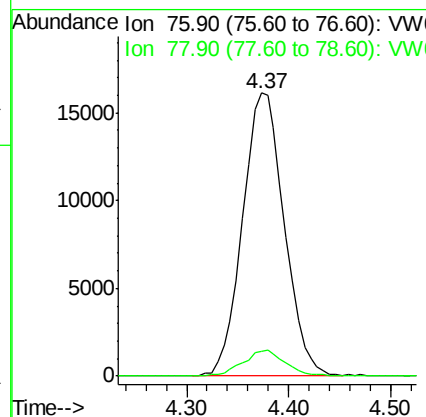
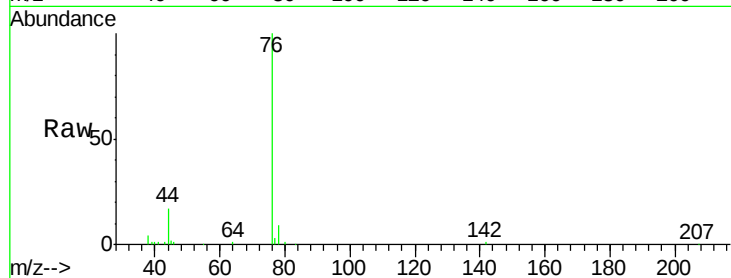
#17
Carbon Disulfide
Concen: 10.514 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

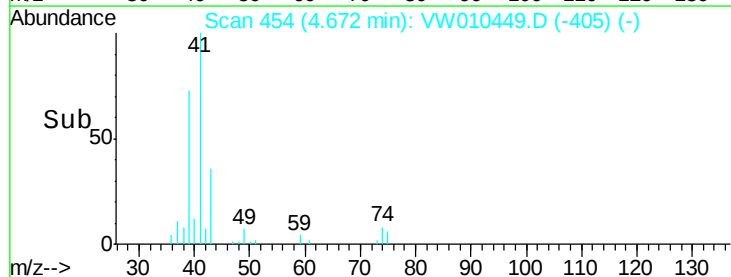
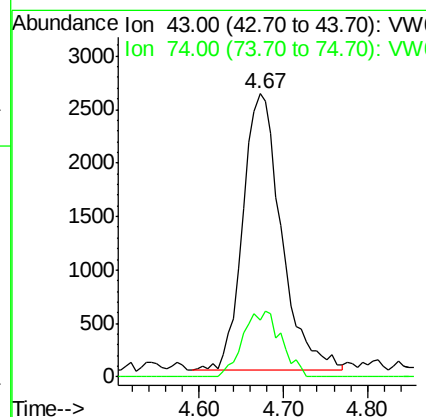
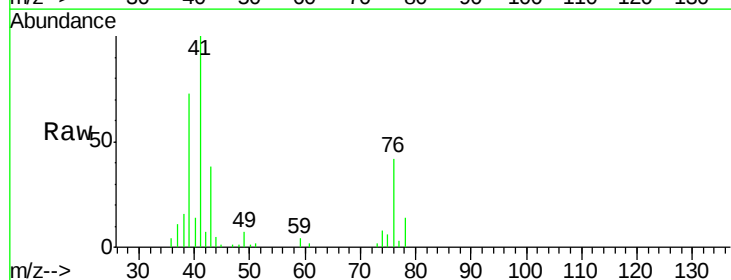
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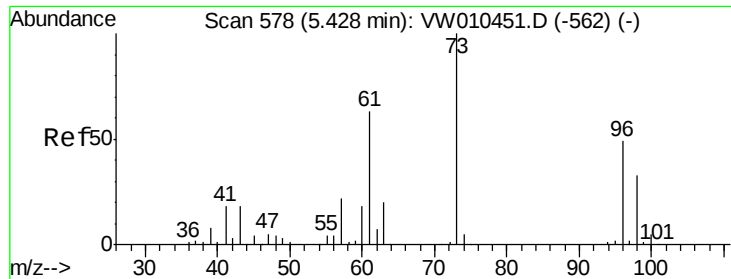
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#18
Methyl Acetate
Concen: 9.156 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	21.6	32.4





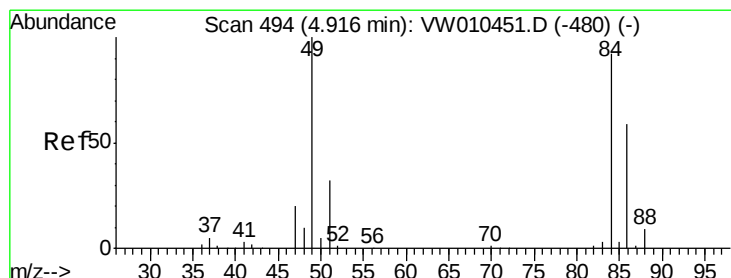
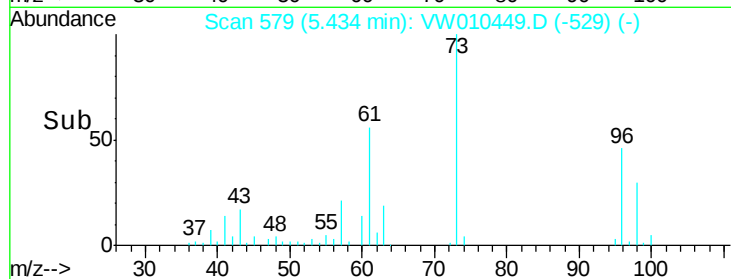
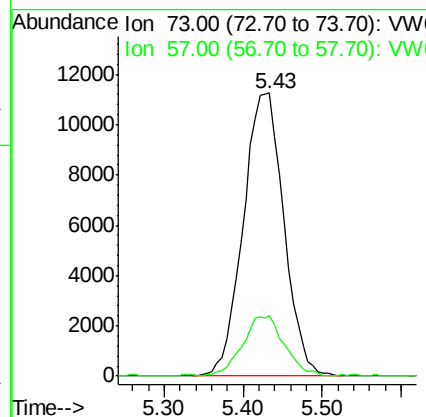
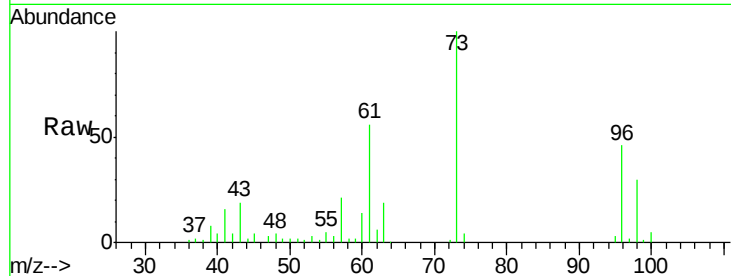
#19
Methvl tert-butvl Ether
Concen: 9.595 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 40309
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.0

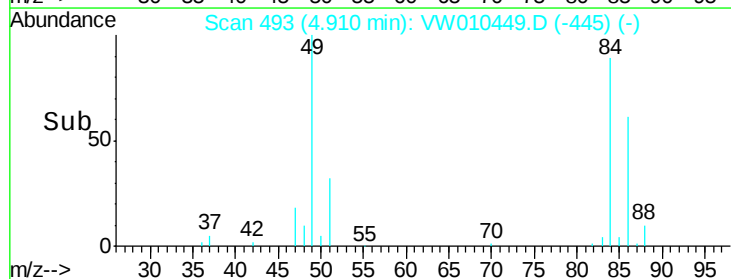
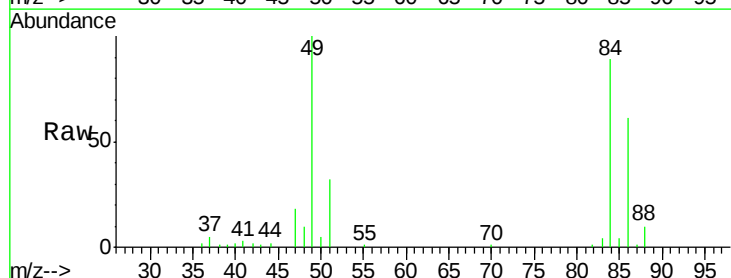
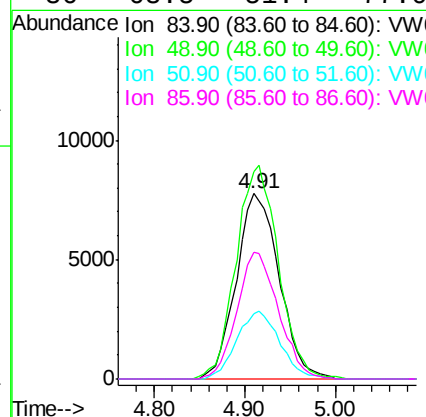
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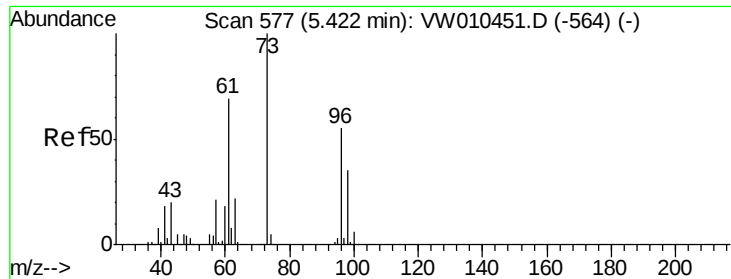
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#20
Methylene Chloride
Concen: 14.405 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion: 84 Resp: 25513
Ion Ratio Lower Upper
84 100
49 111.9 87.2 130.8
51 35.5 27.7 41.5
86 68.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 10.263 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

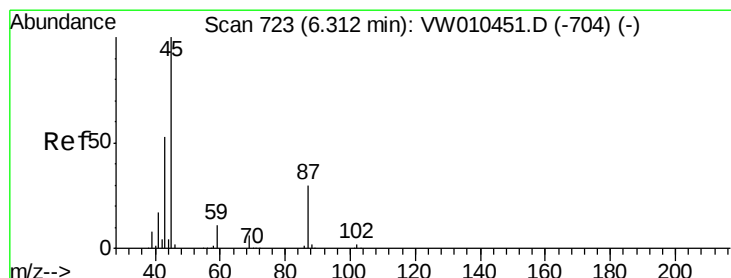
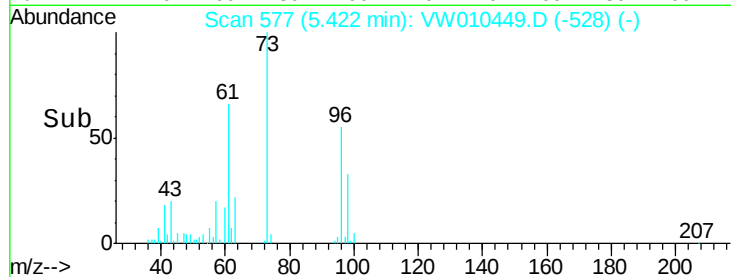
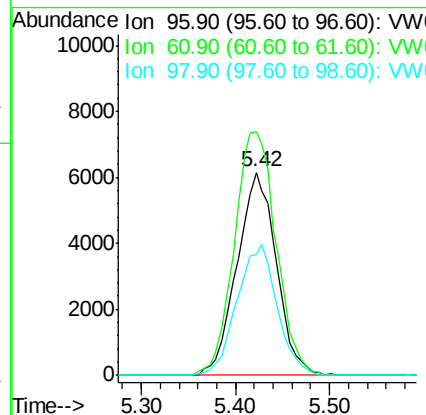
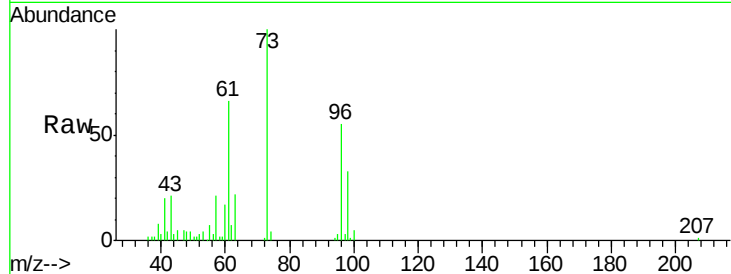
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	17904
Ion	Ratio	Lower	Upper
96	100		
61	119.8	101.4	152.0
98	59.3	50.6	76.0

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#22

Diisopropyl ether

Concen: 9.684 ug/l

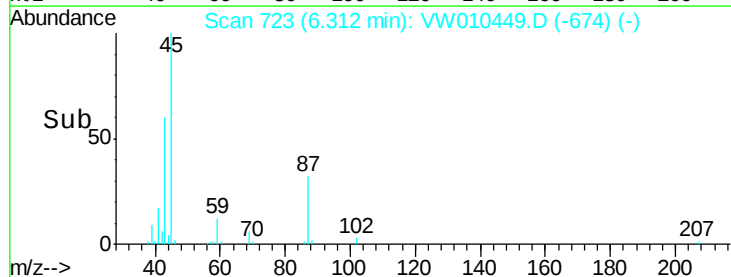
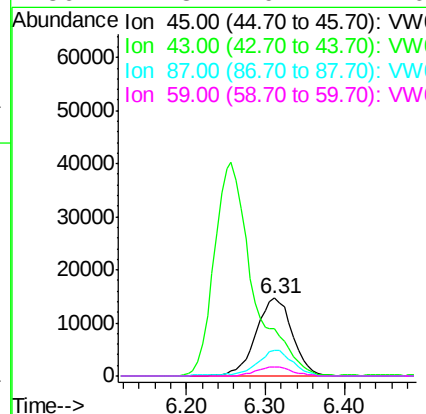
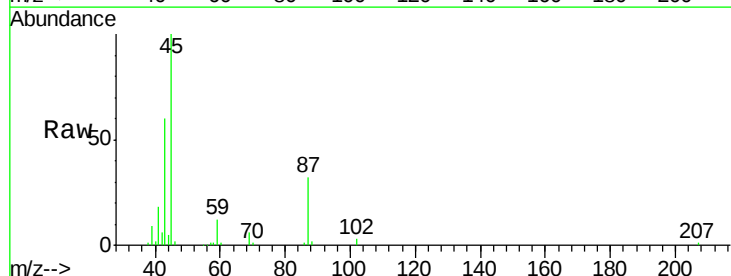
RT: 6.31 min Scan# 723

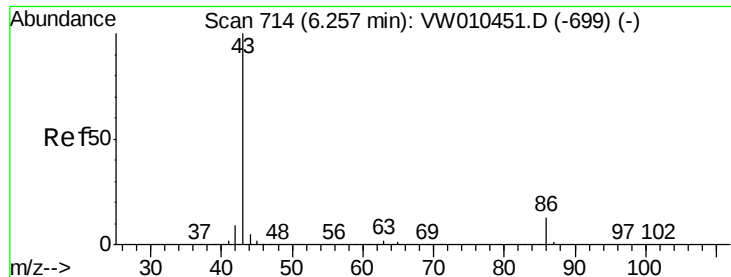
Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Tgt Ion:	45	Resp:	47076
Ion	Ratio	Lower	Upper
45	100		
43	58.9	42.9	64.3
87	32.3	24.6	36.8
59	11.8	9.4	14.0





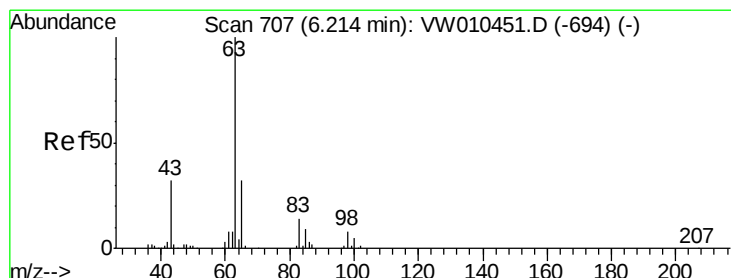
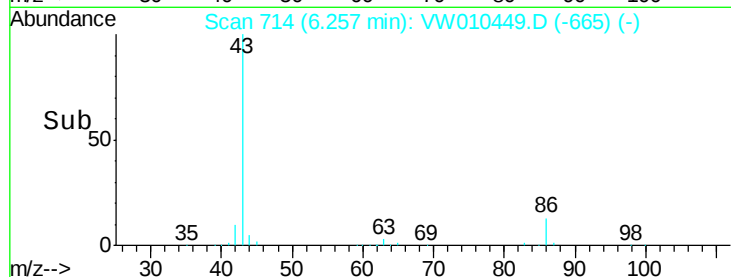
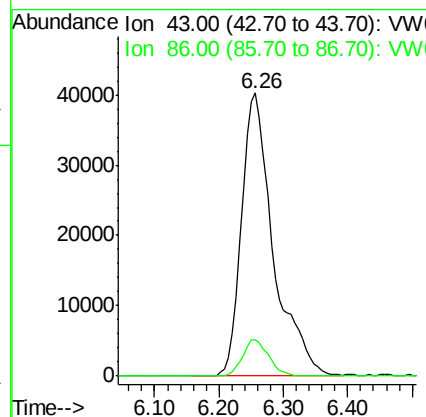
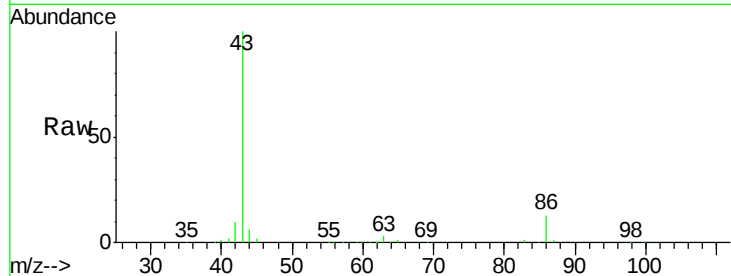
#23
 Vinyl Acetate
 Concen: 45.839 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	43	Resp	137775
Ion Ratio	100	Lower	Upper
43	100		
86	13.0	10.3	15.5

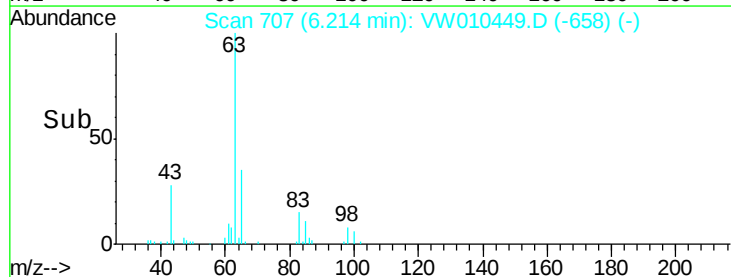
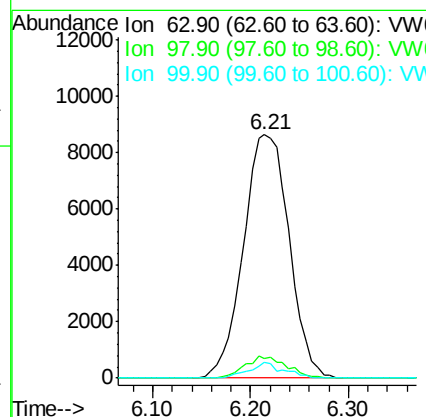
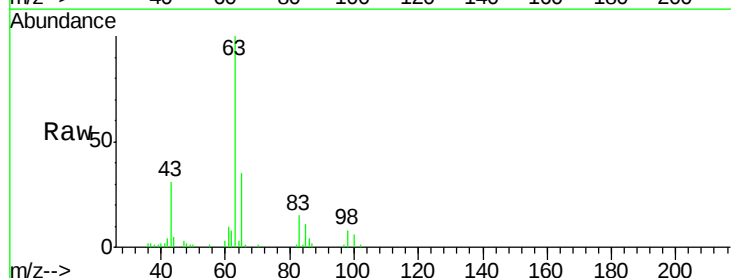
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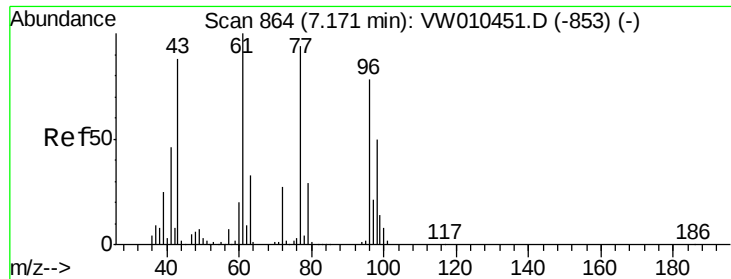
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#24
 1,1-Dichloroethane
 Concen: 9.831 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion	63	Resp	27919
Ion Ratio	100	Lower	Upper
63	100		
98	8.2	3.8	11.2
100	6.5	2.5	7.4





#25

2-Butanone

Concen: 46.837 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 22370

Ion Ratio Lower Upper

43 100

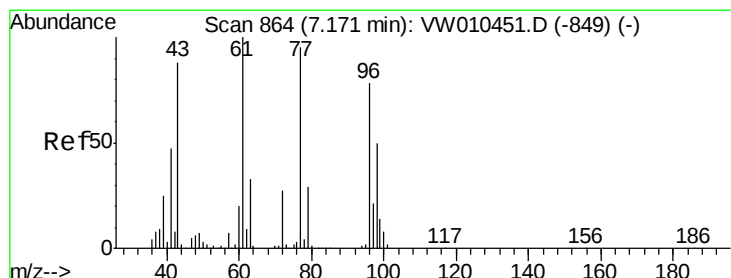
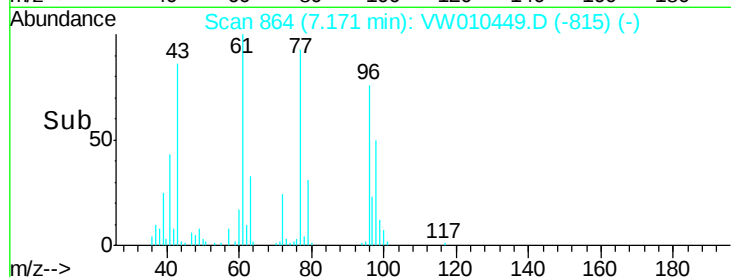
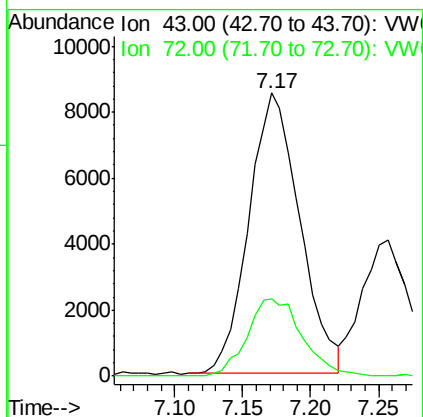
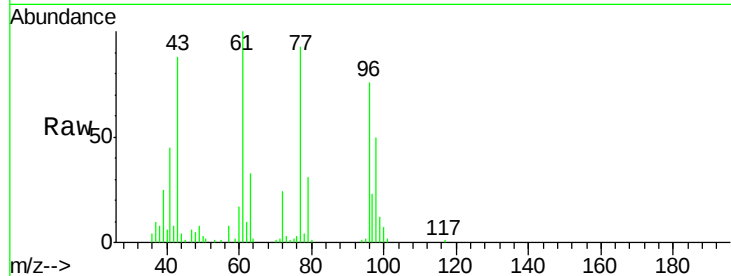
72 27.7 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 10.434 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010449.D

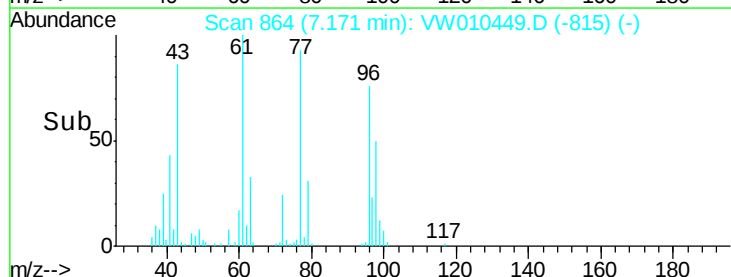
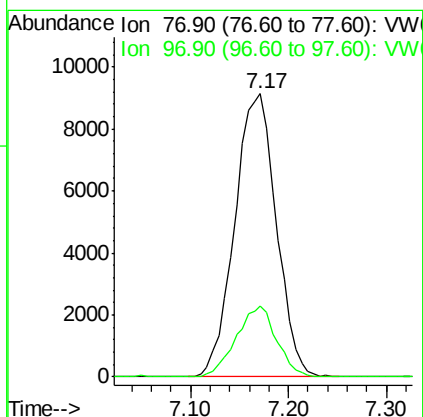
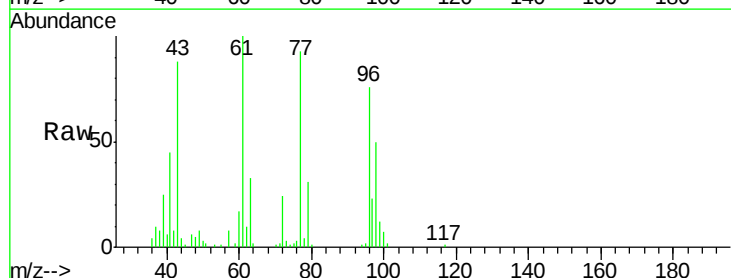
Acq: 20 May 2019 15:36

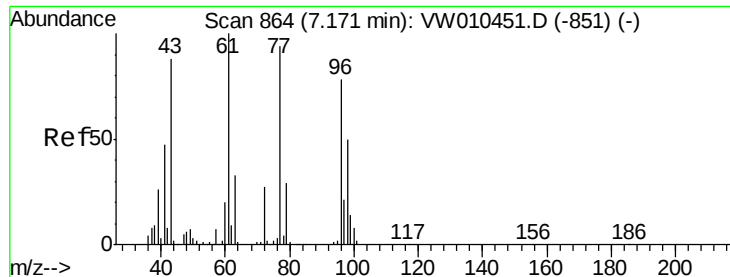
Tgt Ion: 77 Resp: 26988

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.0





#27

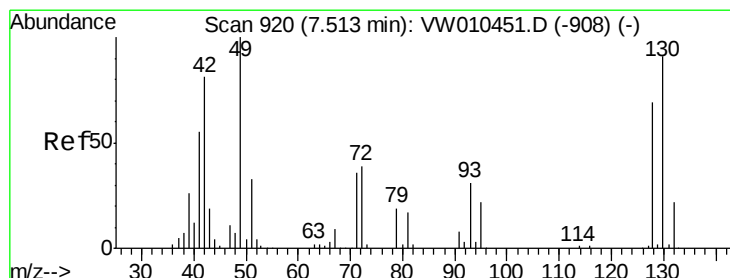
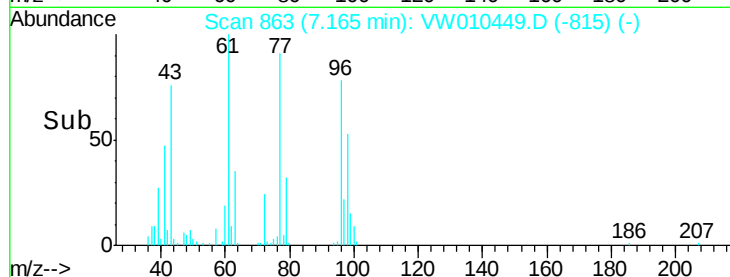
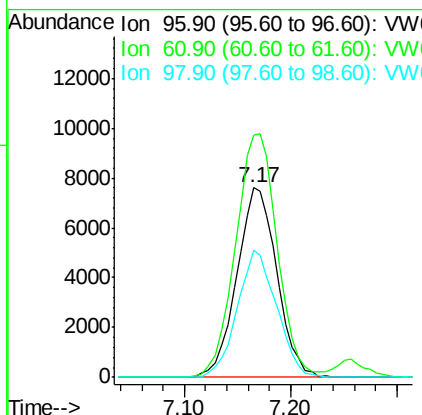
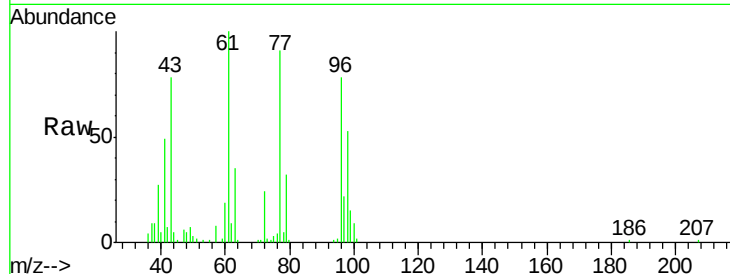
cis-1,2-Dichloroethene
Concen: 10.302 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	265.4
98	65.9	0.0	129.4

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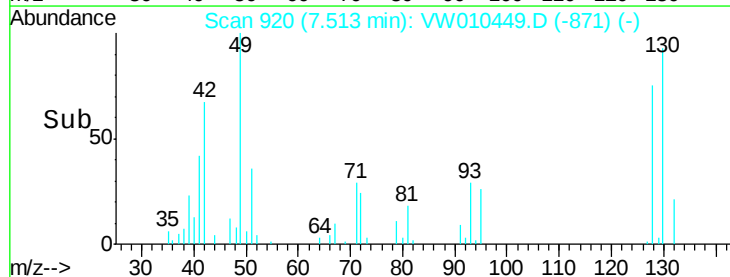
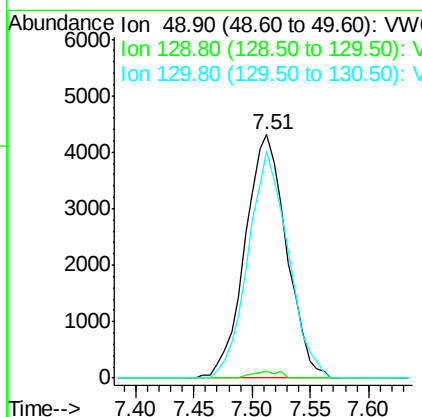
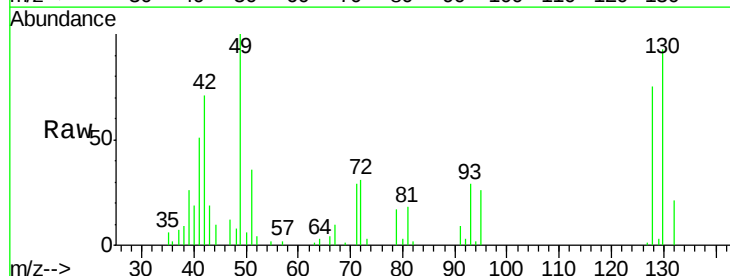
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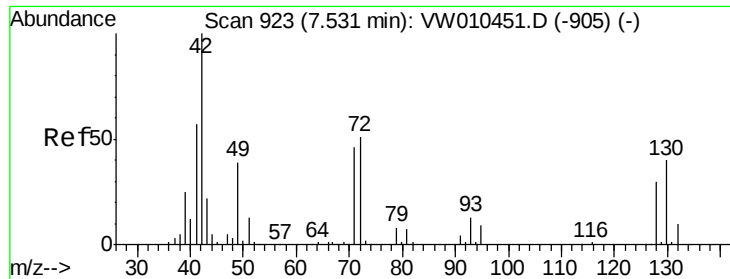


#28

Bromochloromethane
Concen: 10.195 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.8
130	90.0	71.2	106.8





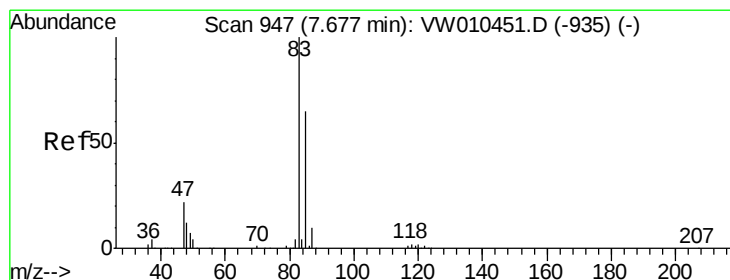
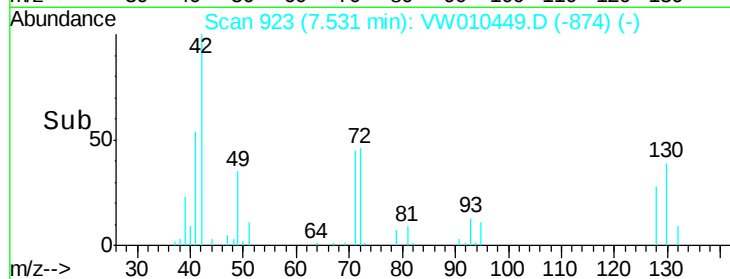
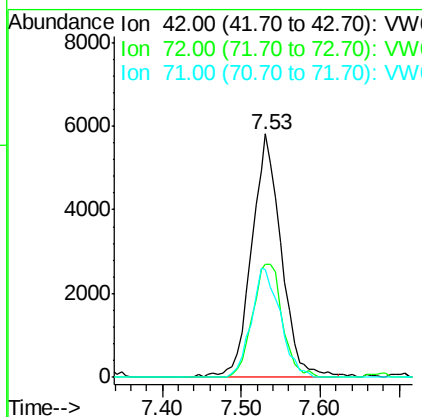
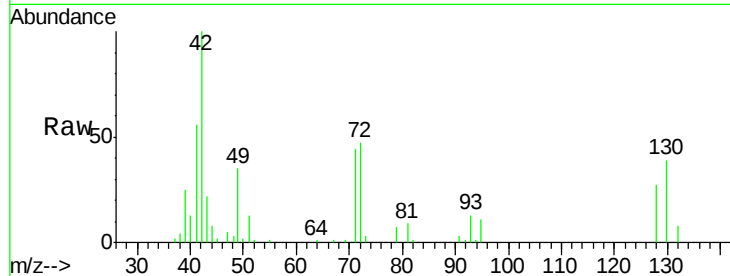
#29
Tetrahydrofuran
Concen: 46.727 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.5	57.7
71	43.8	36.5	54.7

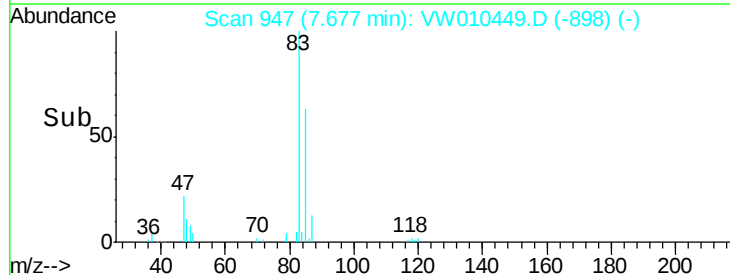
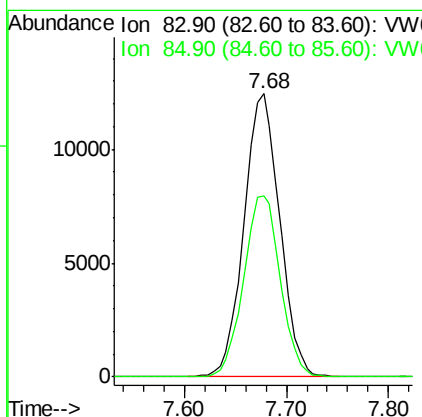
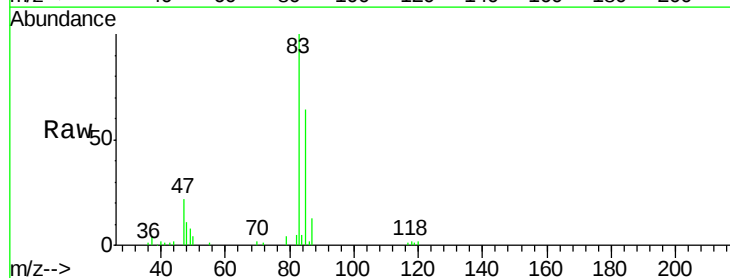
Manual Integrations
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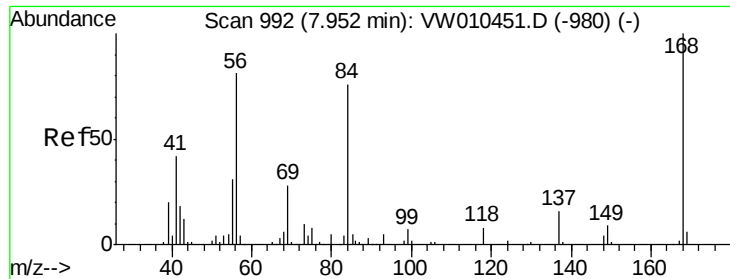
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#30
Chloroform
Concen: 10.181 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.4





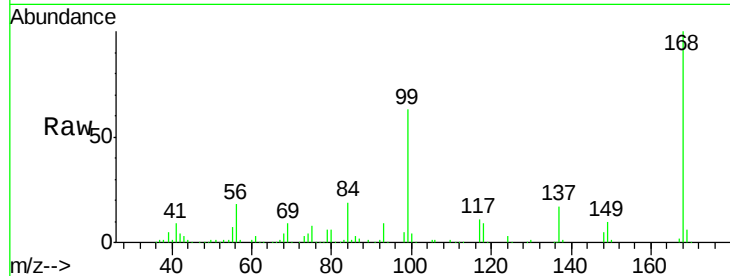
#31
Cyclohexane
Concen: 10.685 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

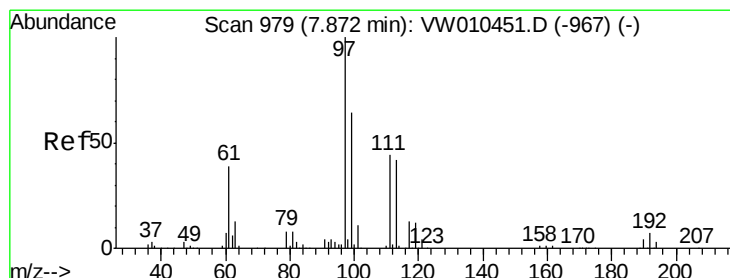
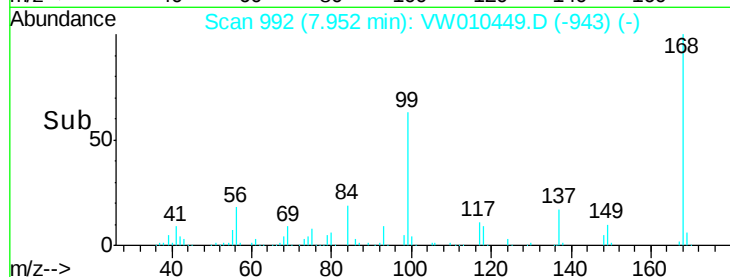
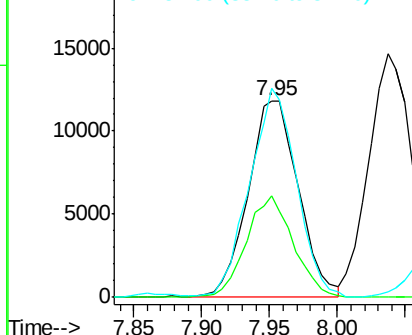
Tot Ion	56	69	84
Resp:	30647		
Ion Ratio	100	51.4	105.3
Lower		28.2	75.8
Upper		42.2#	113.8

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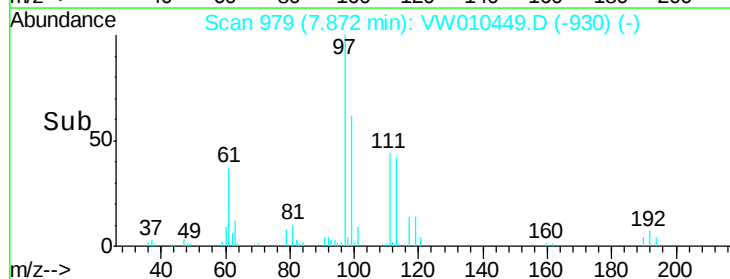
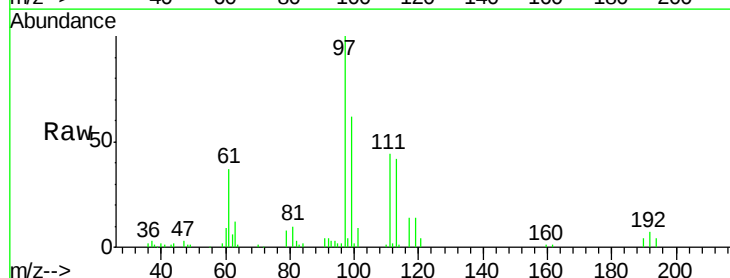
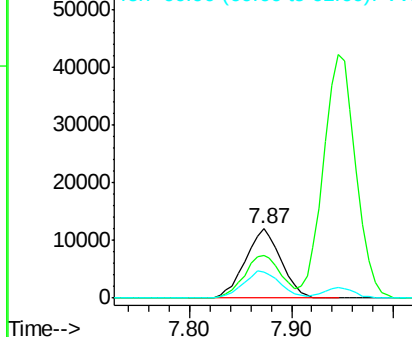
Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

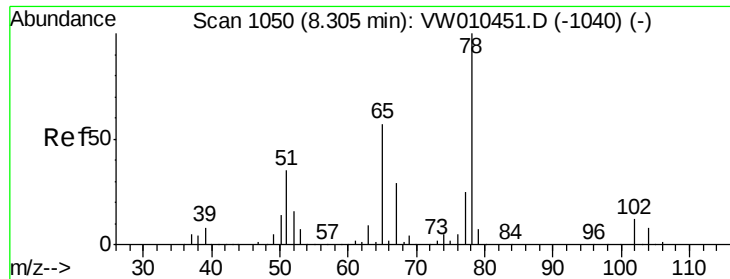


#32
1,1,1-Trichloroethane
Concen: 10.397 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	97	99	61
Resp:	29369		
Ion Ratio	100	63.0	40.2
Lower		50.8	32.1
Upper		76.2	48.1

Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 10.245 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 16298

Ion Ratio Lower Upper

65 100

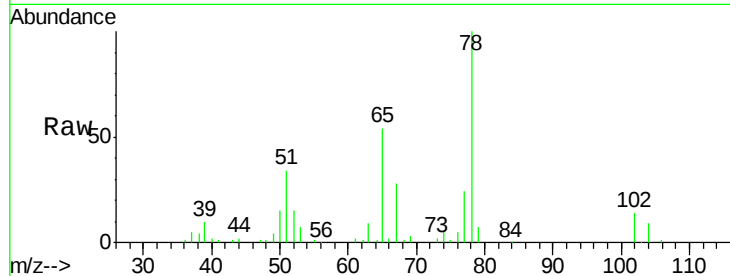
67 53.2 0.0 103.6

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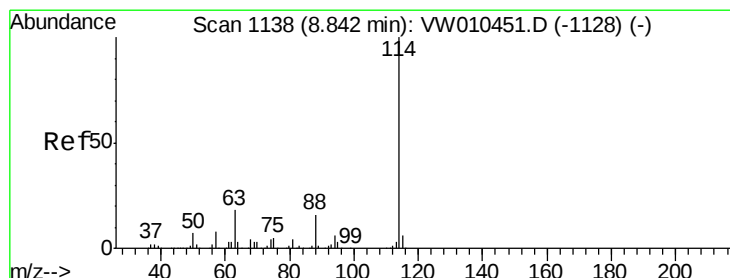
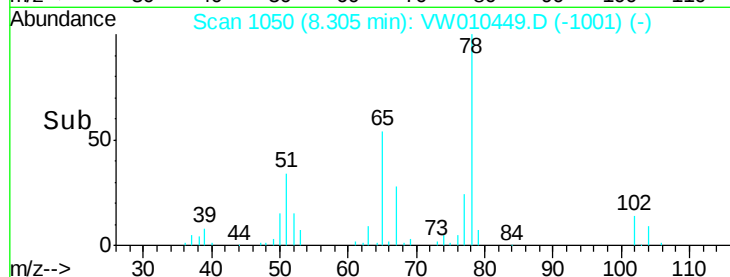
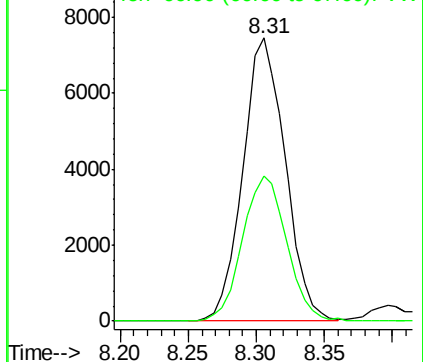
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

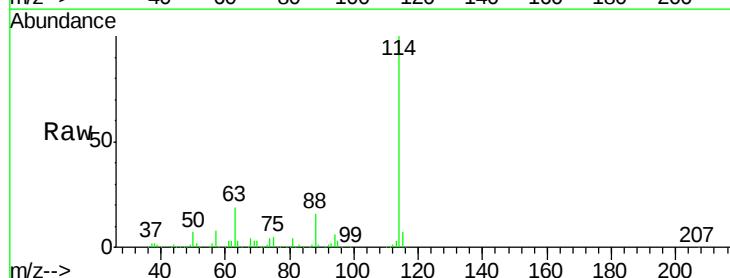
Tgt Ion: 114 Resp: 258682

Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.0

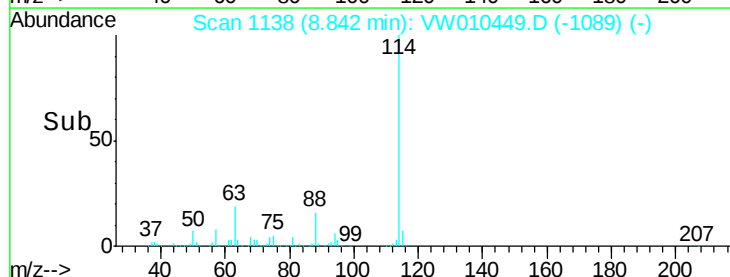
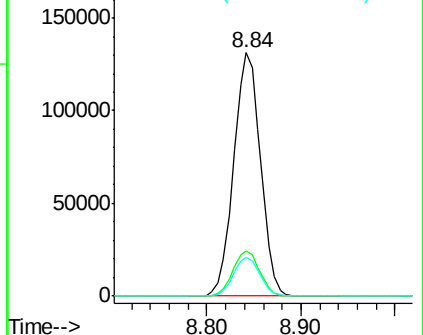
88 16.1 0.0 32.0

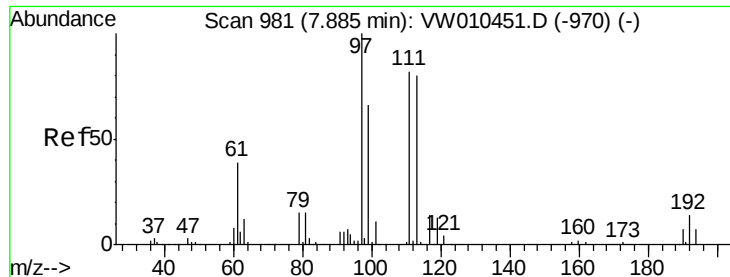


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 10.280 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

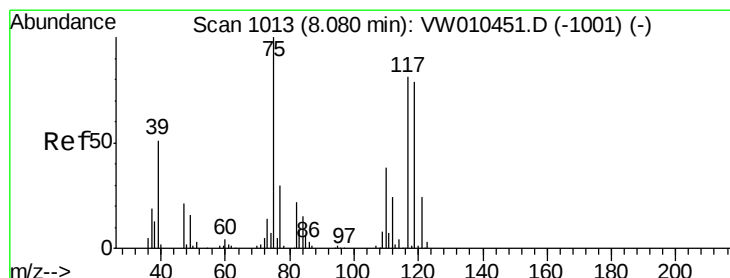
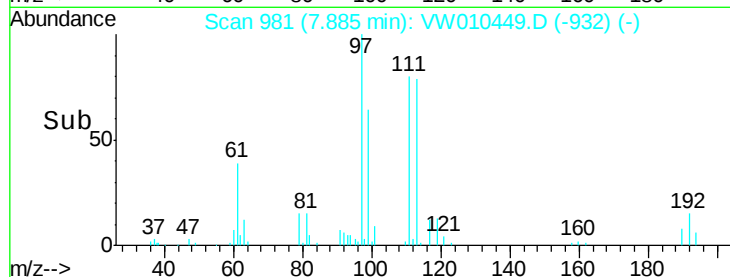
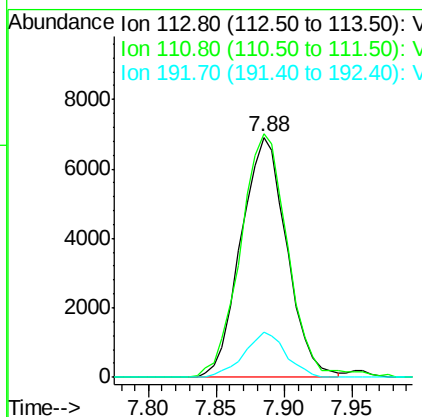
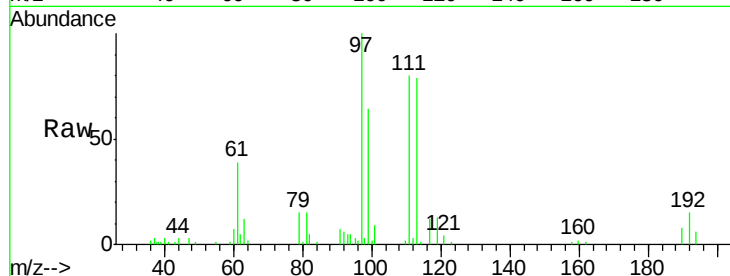
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	16301
Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.2	123.4
192	17.1	14.3	21.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 10.563 ug/l

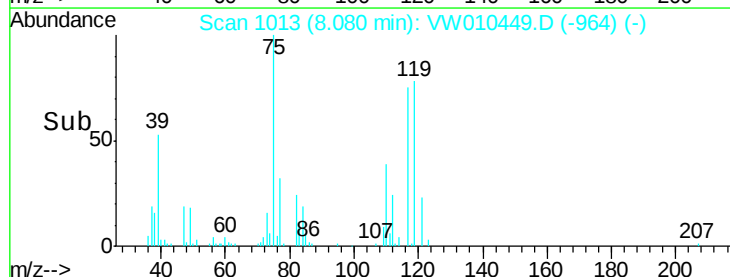
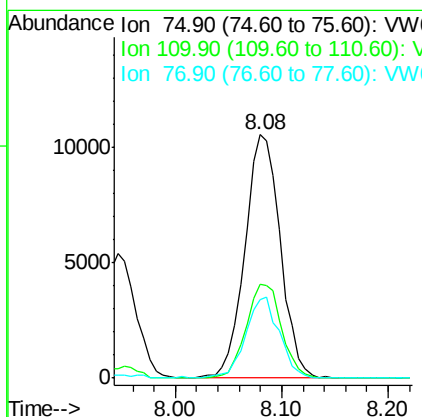
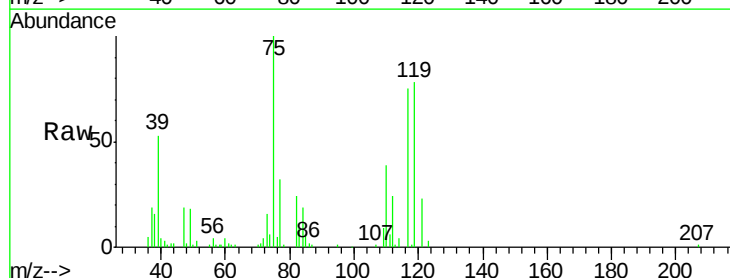
RT: 8.08 min Scan# 1013

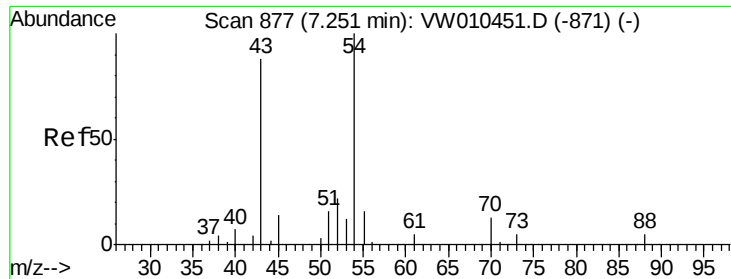
Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Tgt Ion:	75	Resp:	24608
Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.2	57.6
77	31.7	25.2	37.8





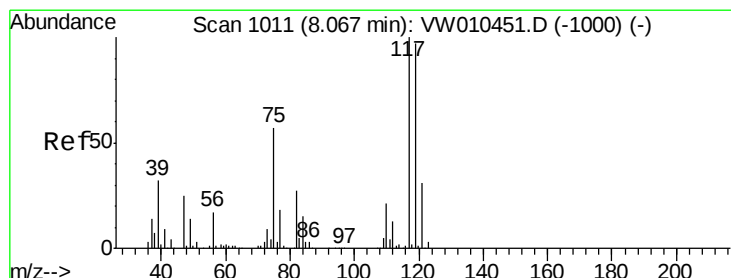
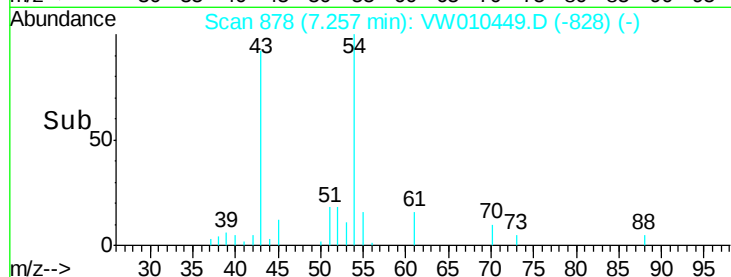
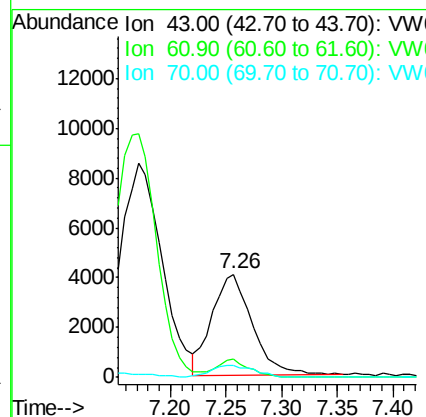
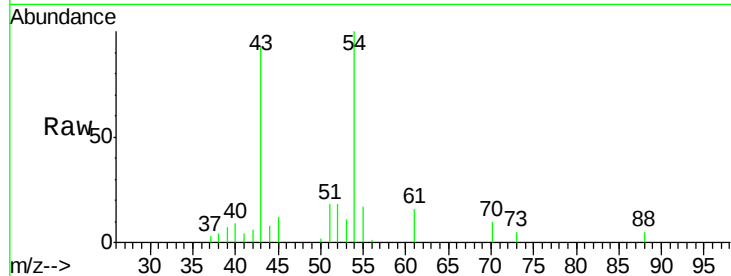
#37
Ethyl Acetate
Concen: 9.314 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.2	16.8
70	12.6	9.9	14.9

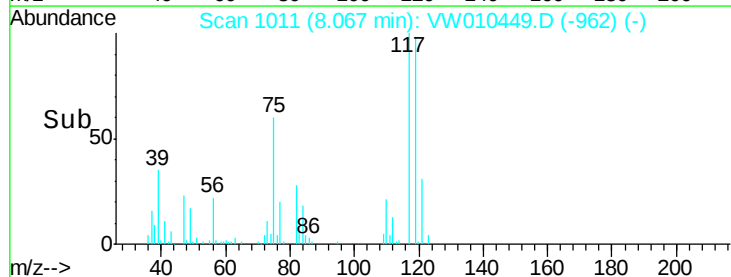
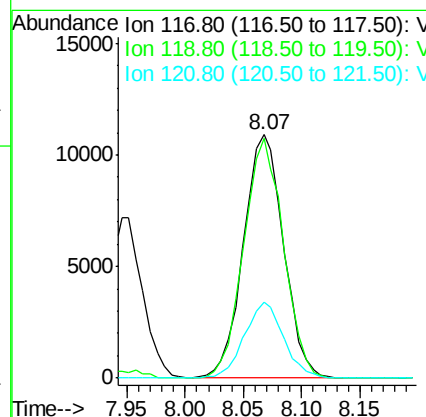
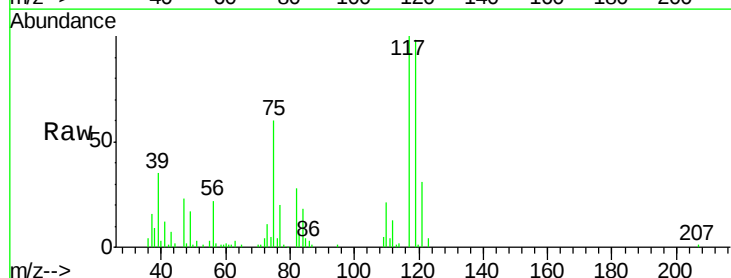
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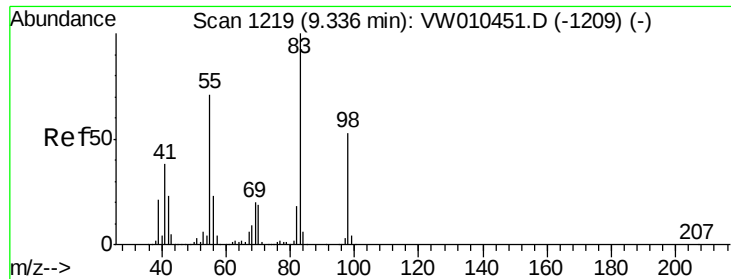
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#38
Carbon Tetrachloride
Concen: 10.451 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.4	116.0
121	31.4	25.0	37.6





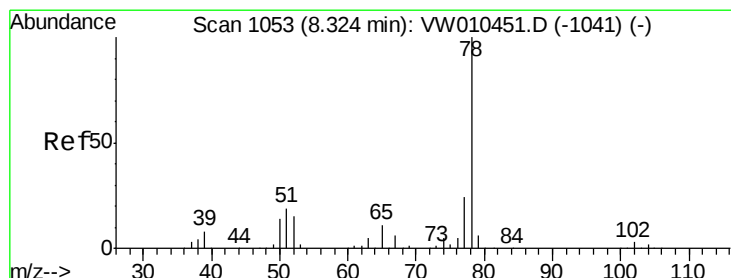
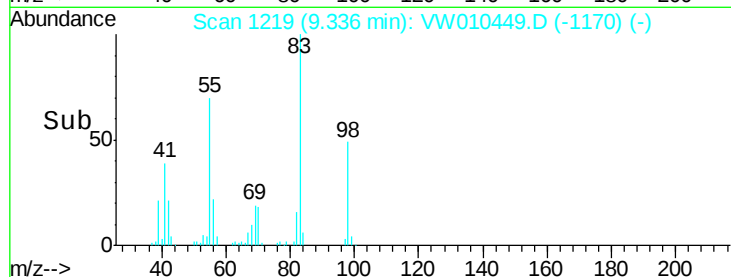
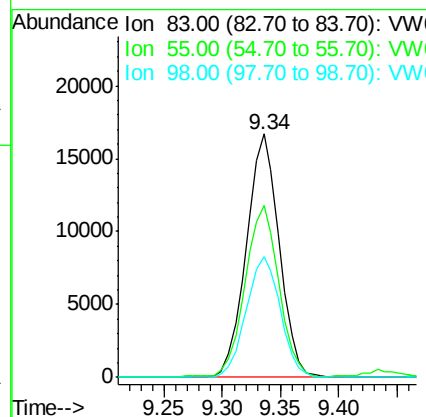
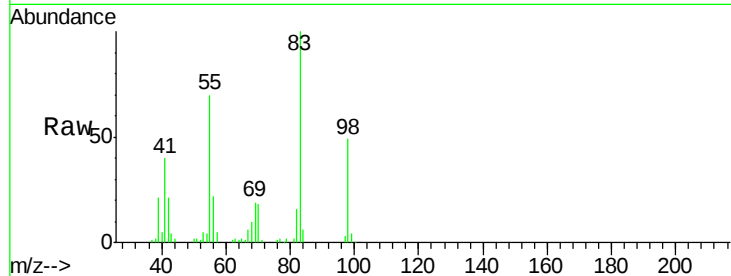
#39
Methvlcvclohexane
Concen: 10.534 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.9	57.0	85.6
98	49.4	42.0	63.0

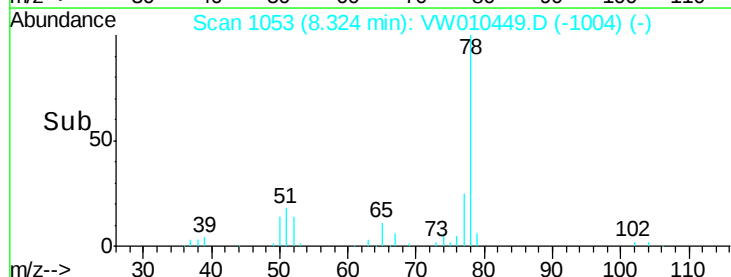
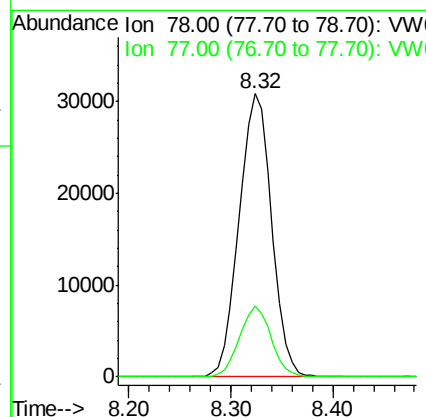
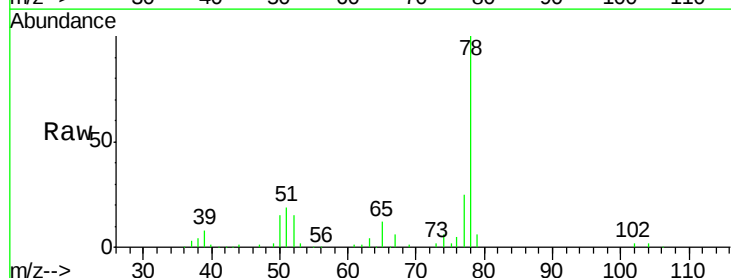
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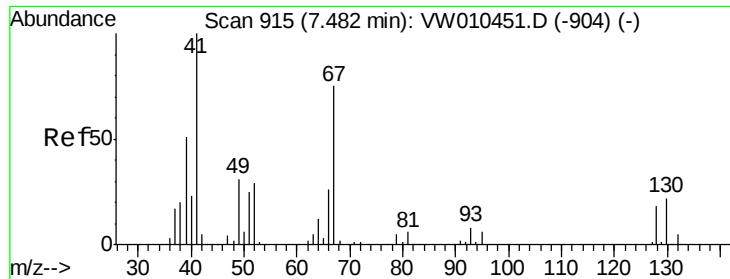
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#40
Benzene
Concen: 10.275 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.9	28.3





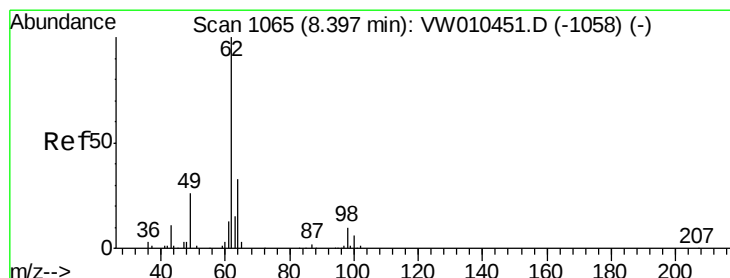
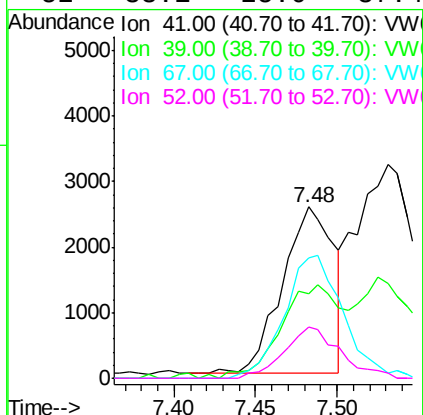
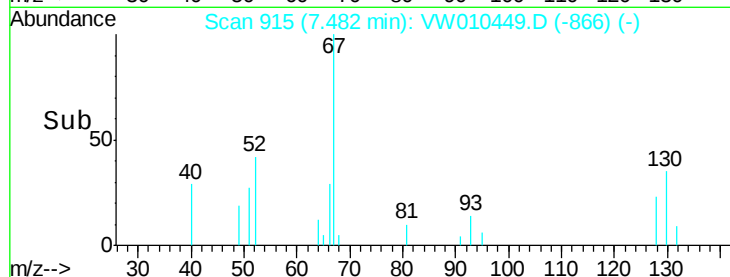
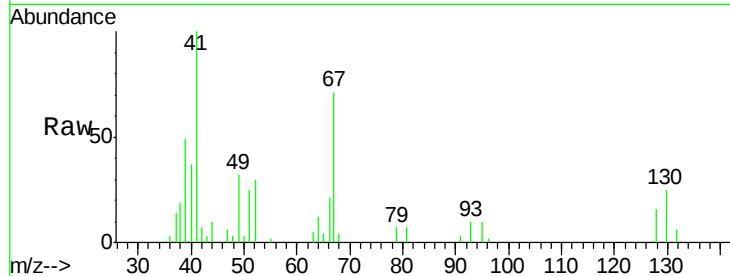
#41
Methacrylonitrile
Concen: 8.843 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.9	47.4	71.2
67	83.2	65.5	98.3
52	33.1	25.0	37.4

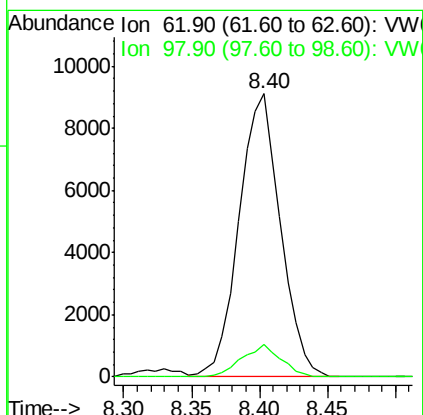
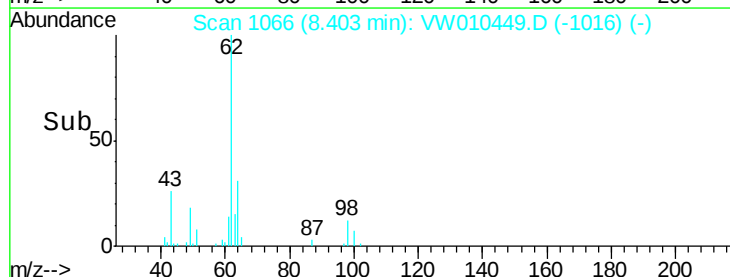
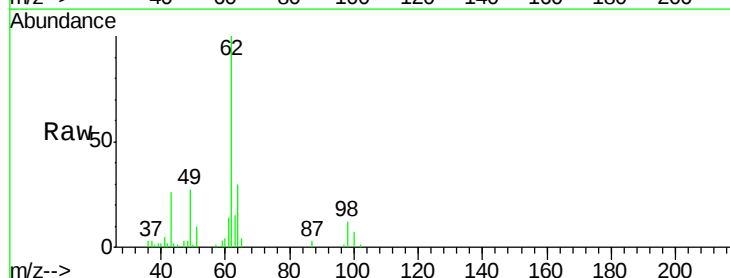
Manual Integrations
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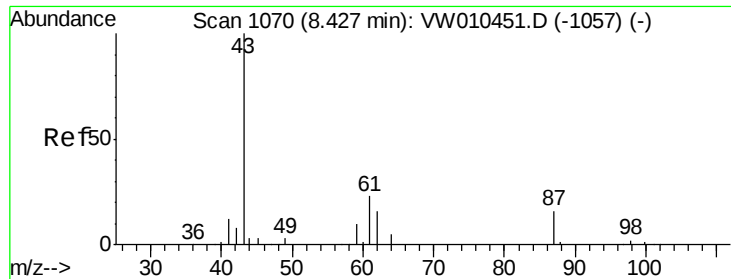
MMDadoda
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#42
1,2-Dichloroethane
Concen: 9.932 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.0





#43

Isopropyl Acetate

Concen: 9.077 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

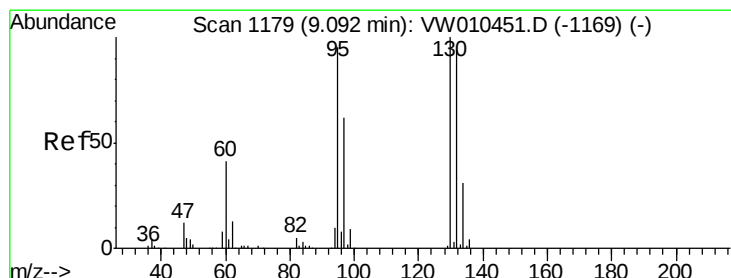
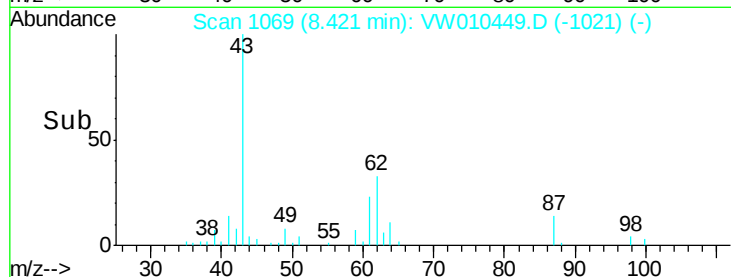
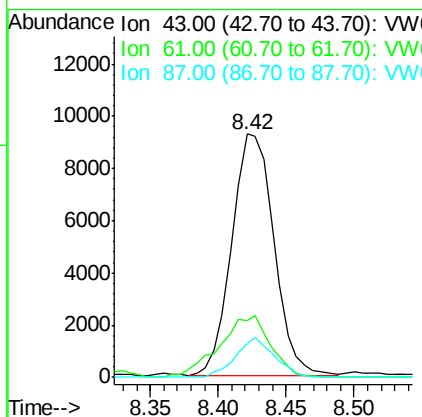
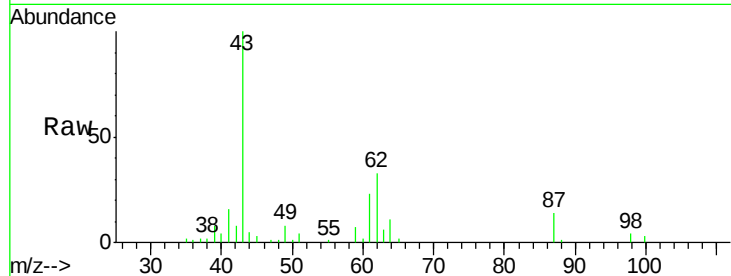
ClientSampled :

VSTDIC010

Tot Ion:	43	Resp:	20011
Ion	Ratio	Lower	Upper
43	100		
61	30.9	25.4	38.2
87	14.9	12.7	19.1

Manual Integrations
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#44

Trichloroethene

Concen: 10.692 ug/l

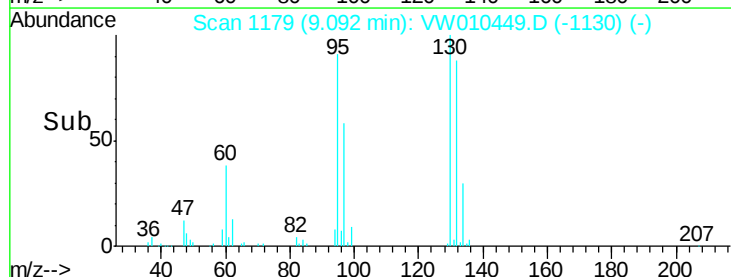
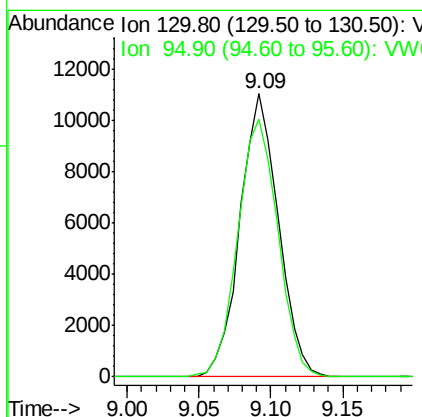
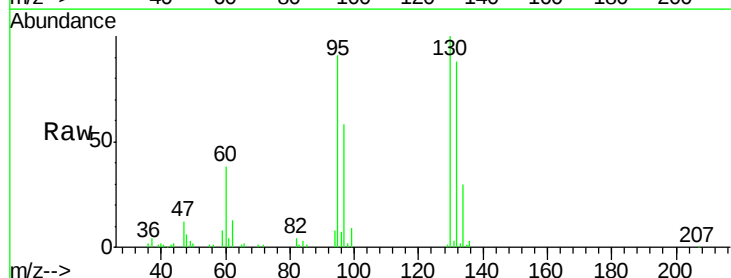
RT: 9.09 min Scan# 1179

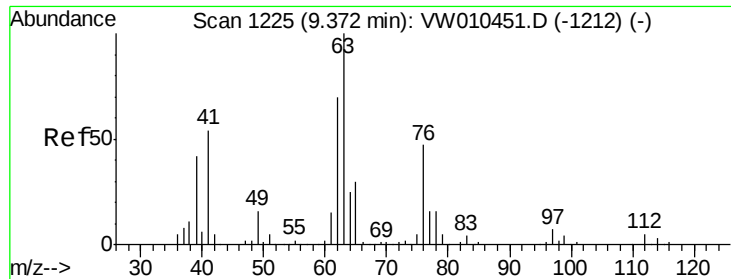
Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Tgt Ion:	130	Resp:	20381
Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	189.6





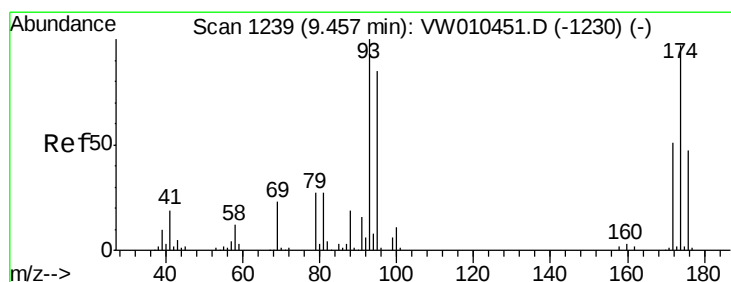
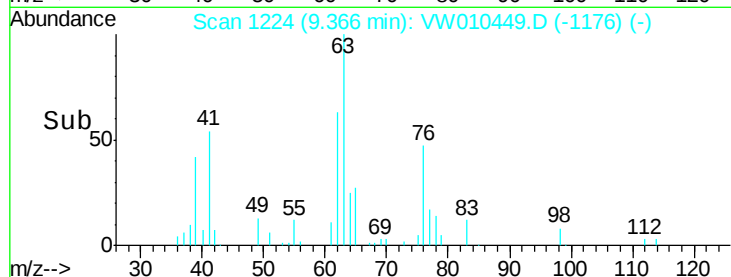
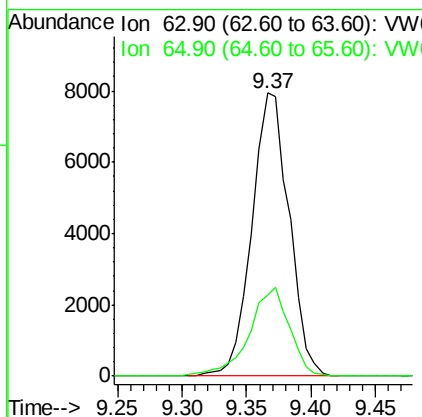
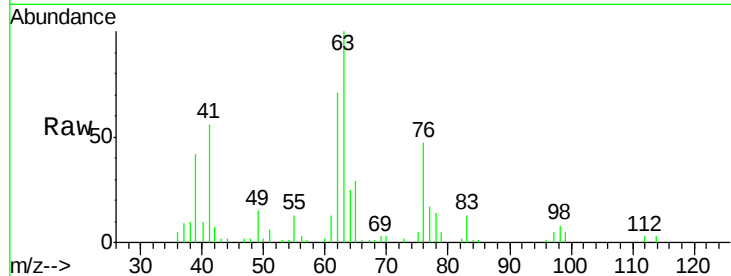
#45
 1,2-Dichloropropane
 Concen: 9.845 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion: 63 Resp: 15839
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.3 36.5

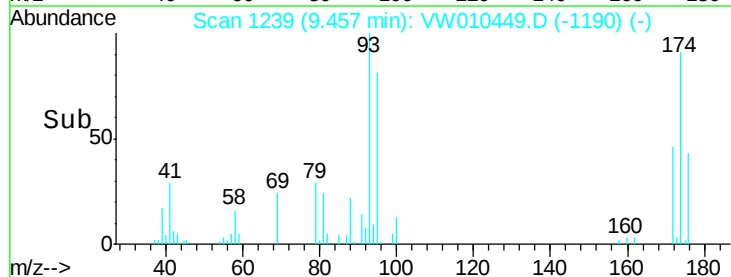
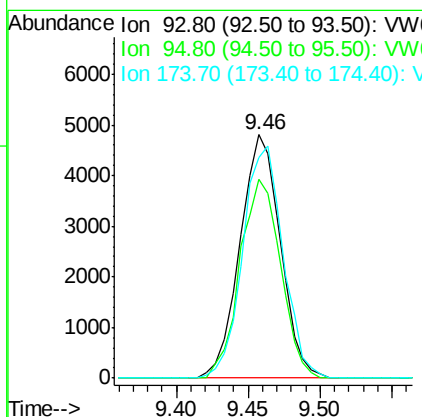
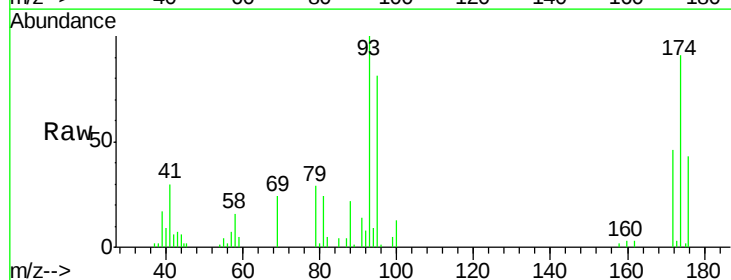
Manual Integrations
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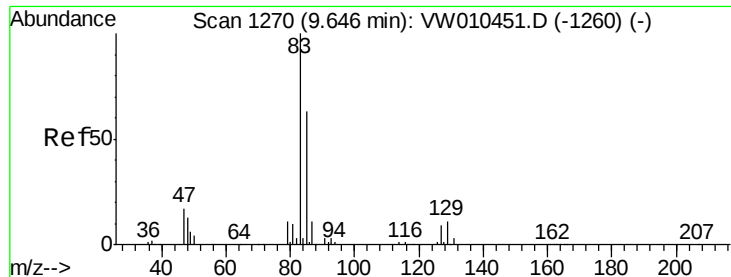
MMDadoda
 5/21/2019 11:28:35 AM



#46
 Dibromomethane
 Concen: 9.861 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion: 93 Resp: 9336
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.1 99.1
 174 95.1 77.1 115.7





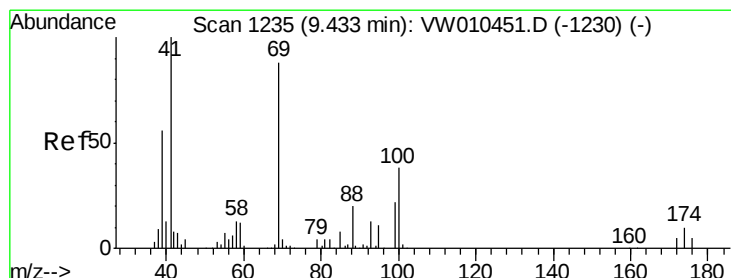
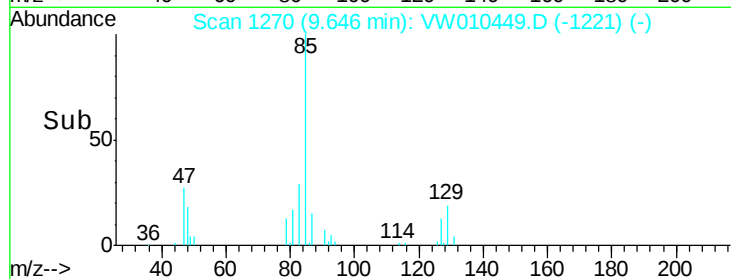
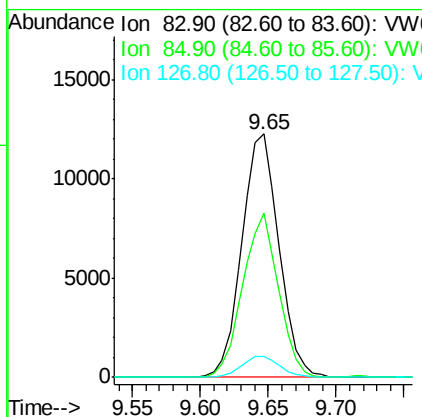
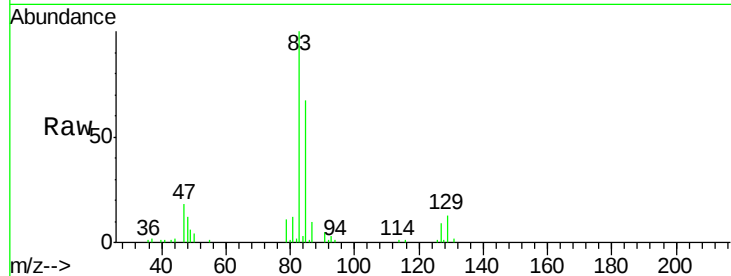
#47
Bromodichloromethane
Concen: 9.890 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	23374		
85	67.4		50.4	75.6
127	8.8		7.4	11.0

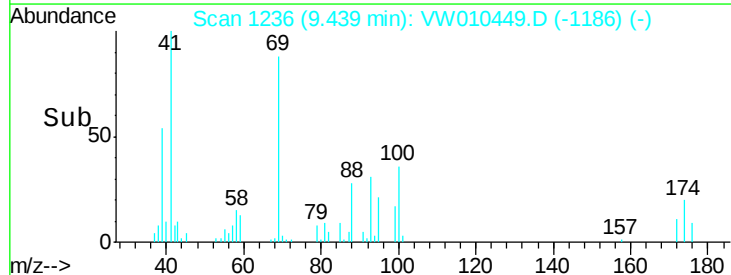
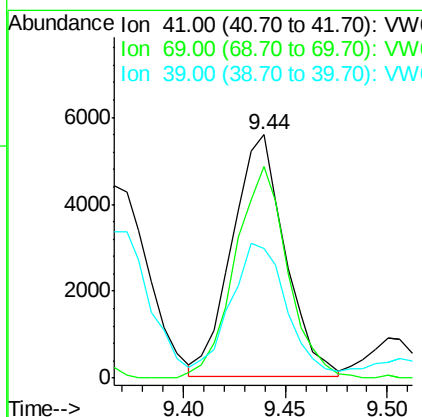
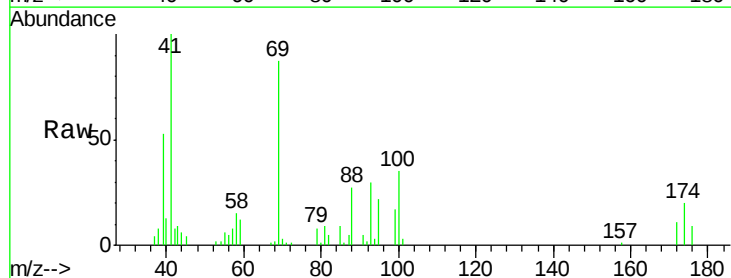
Manual Integrations
APPROVED

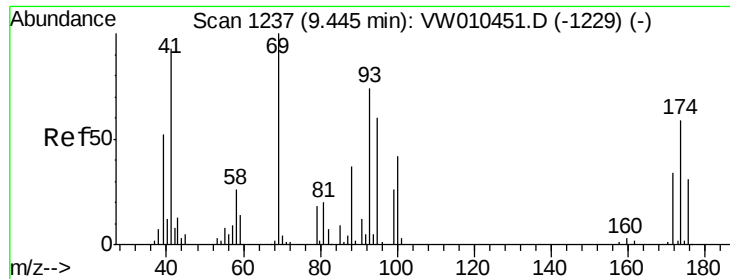
MMDadoda
5/21/2019 11:28:35 AM



#48
Methyl methacrylate
Concen: 9.877 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	10065		
69	86.8		77.6	116.4
39	53.5		49.8	74.8





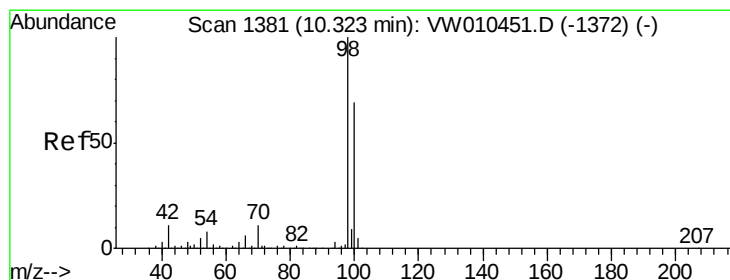
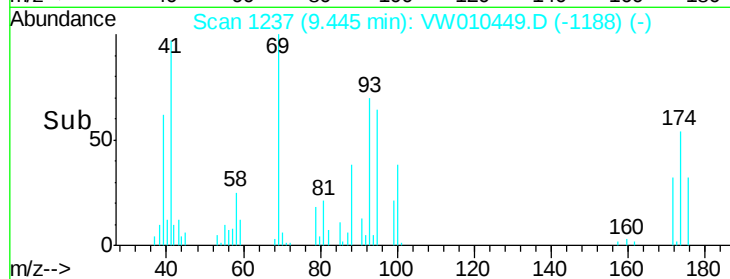
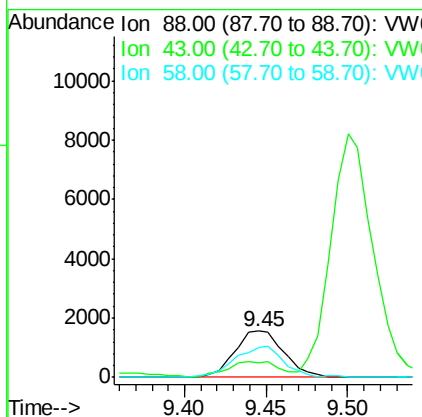
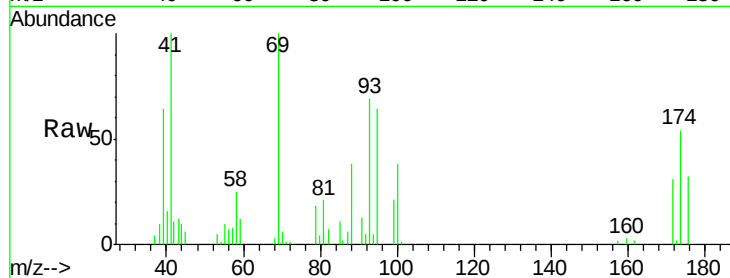
#49
1,4-Dioxane
Concen: 231.919 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	25.9	38.9
58	66.7	52.7	79.1

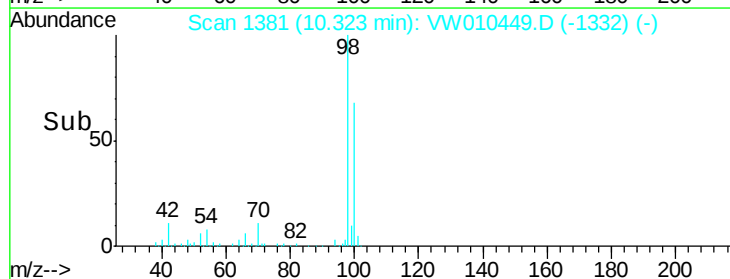
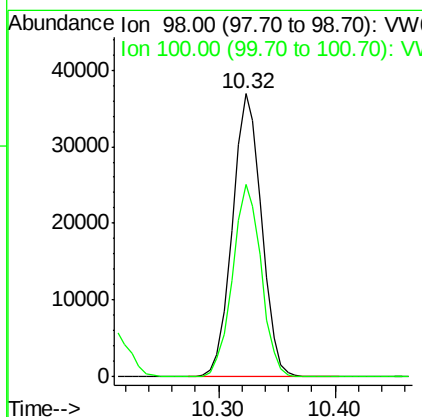
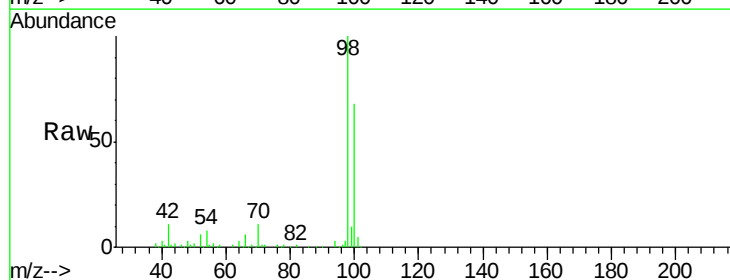
Manual Integrations
APPROVED

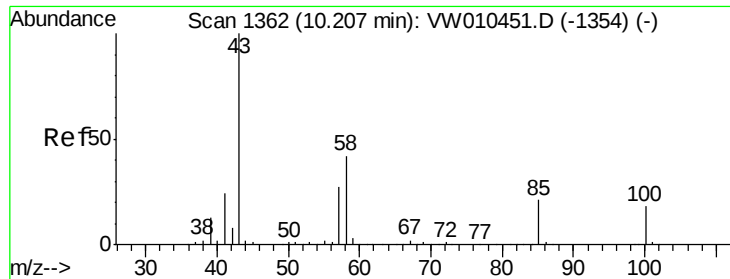
MMDadoda
5/21/2019 11:28:35 AM



#50
Toluene-d8
Concen: 10.837 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.7	80.5





#51

4-Methyl-2-Pentanone

Concen: 46.190 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 52163

Ion Ratio Lower Upper

43 100

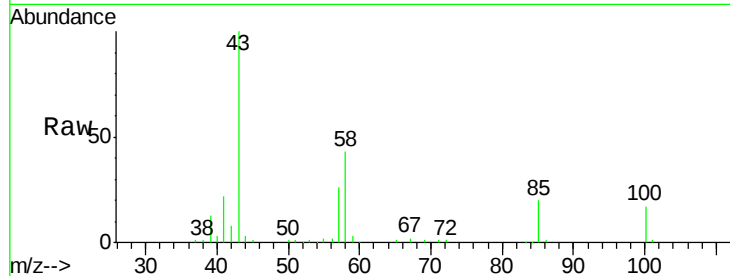
58 42.1 33.2 49.8

Manual Integrations

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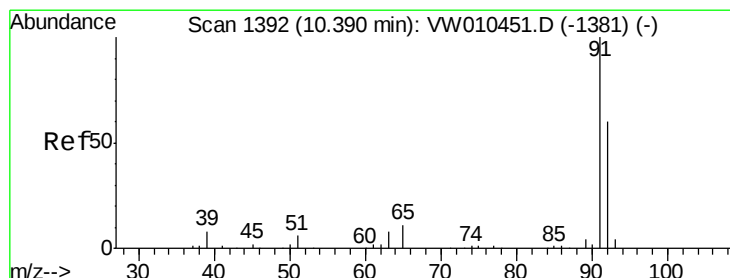
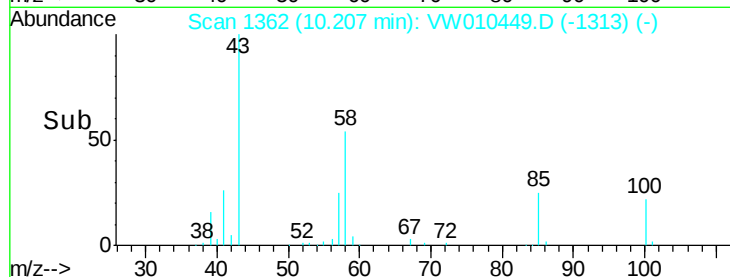
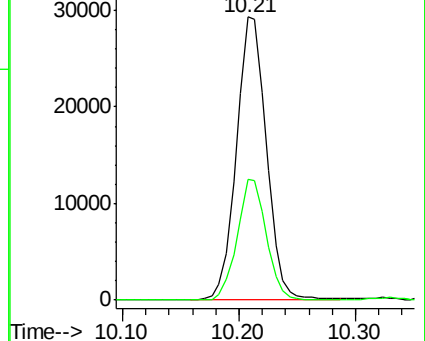
MMDadoda

5/21/2019 11:28:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 10.376 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010449.D

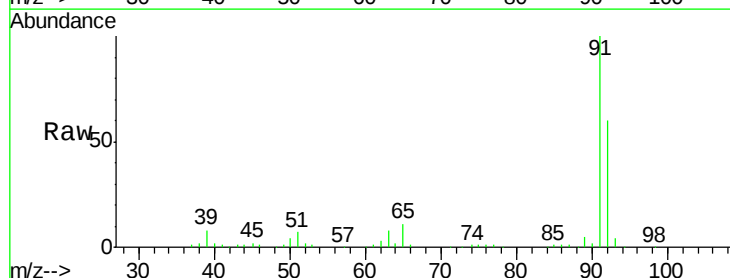
Acq: 20 May 2019 15:36

Tgt Ion: 92 Resp: 45675

Ion Ratio Lower Upper

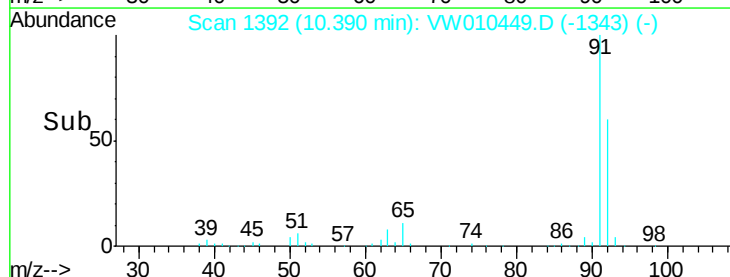
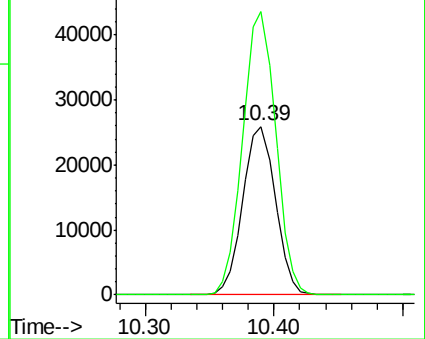
92 100

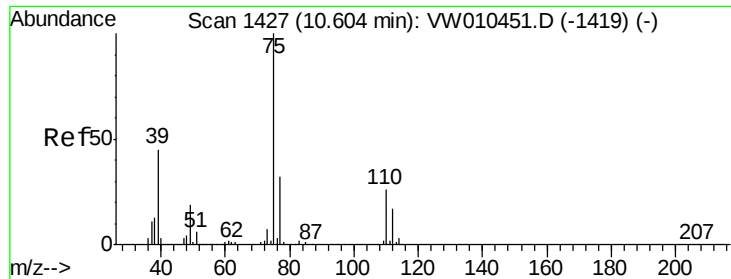
91 169.9 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





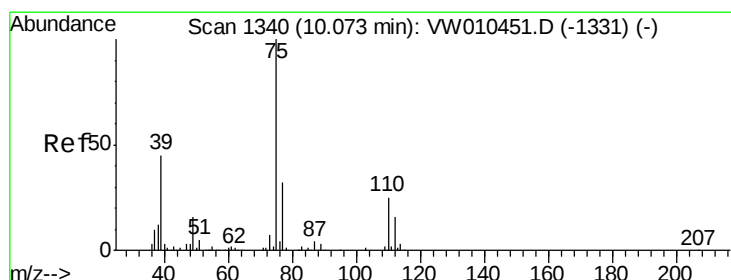
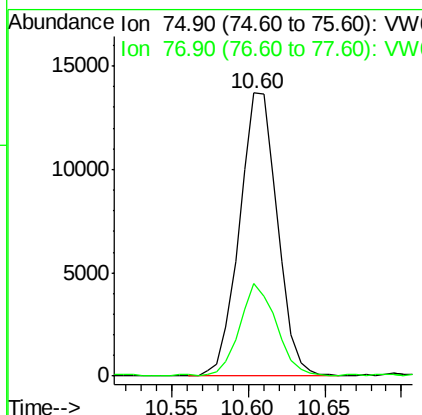
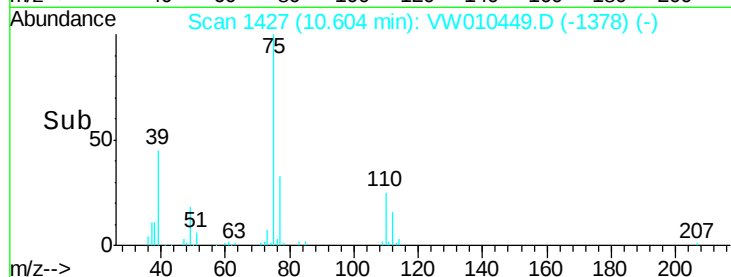
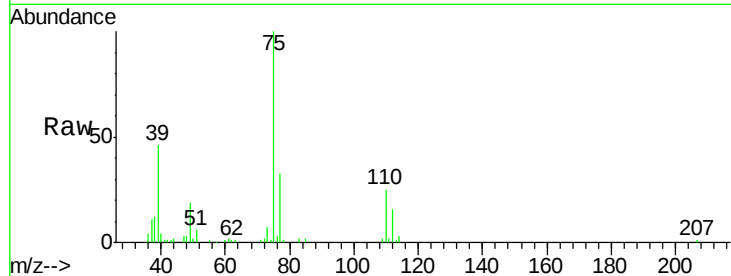
#53
t-1,3-Dichloropropene
Concen: 9.719 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 23599
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.0

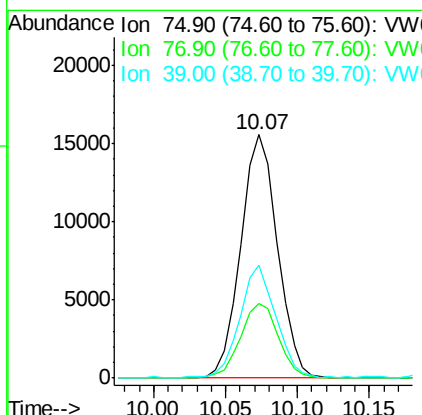
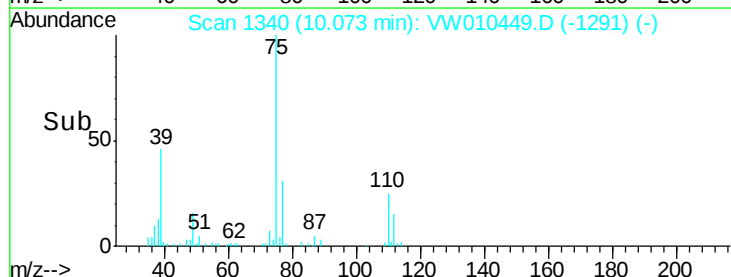
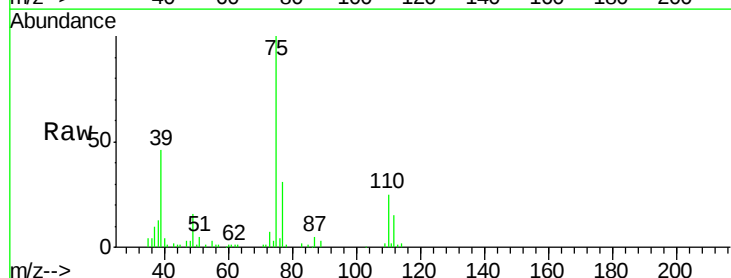
Manual Integrations
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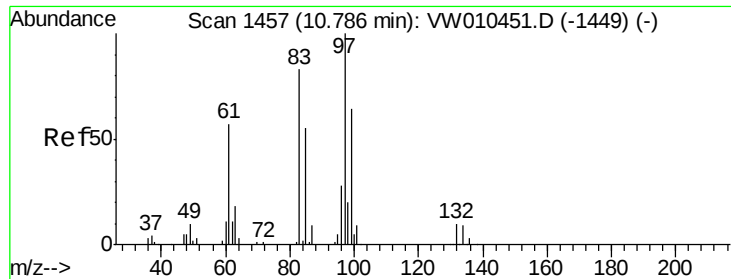
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 9.936 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion: 75 Resp: 27433
Ion Ratio Lower Upper
75 100
77 30.8 25.7 38.5
39 46.2 36.2 54.4





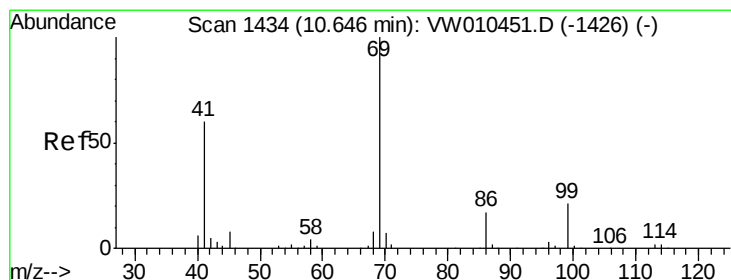
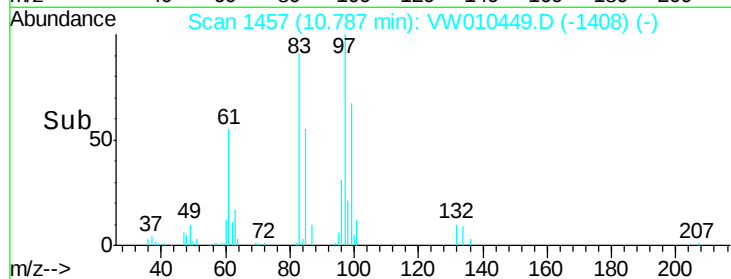
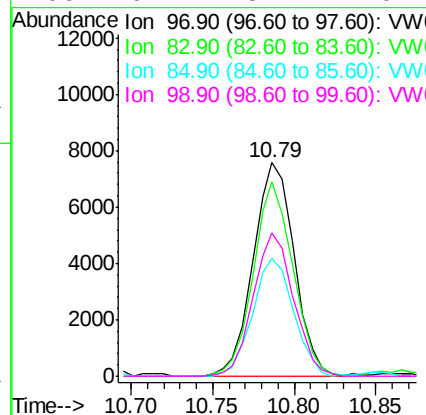
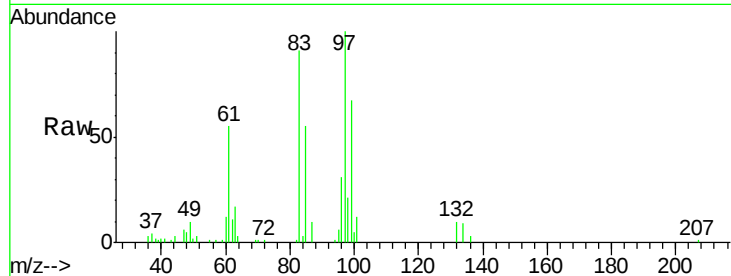
#55
 1,1,2-Trichloroethane
 Concen: 9.674 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	91.1	66.1	99.1		
85	55.1	44.2	66.4		
99	67.4	51.1	76.7		

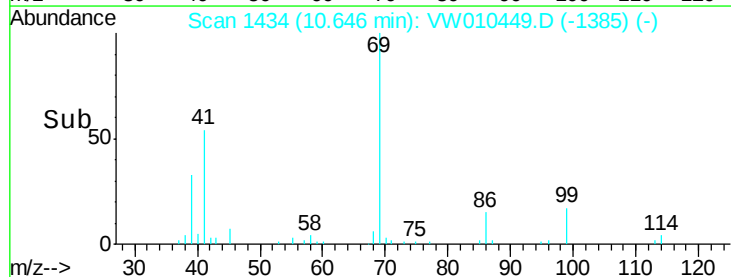
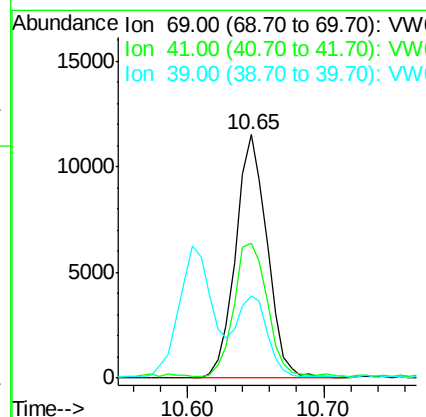
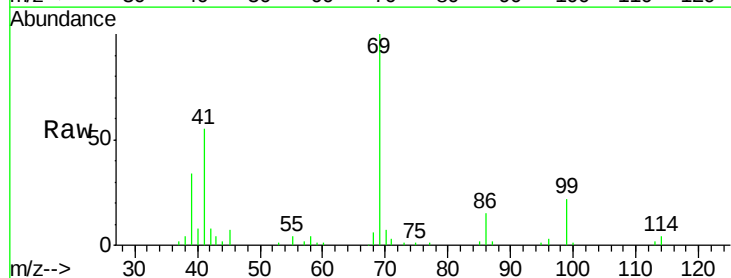
Manual Integrations
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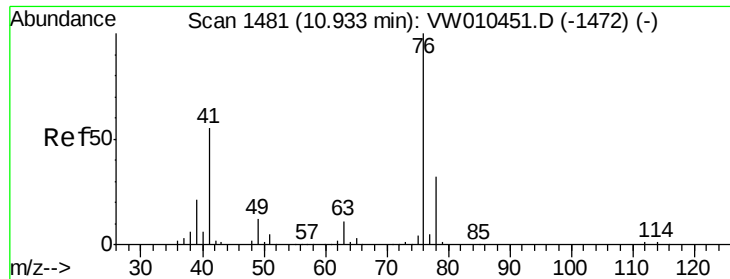
MMDadoda
 5/21/2019 11:28:35 AM



#56
 Ethyl methacrylate
 Concen: 9.753 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	57.4	47.7	71.5		
39	31.7	25.3	37.9		





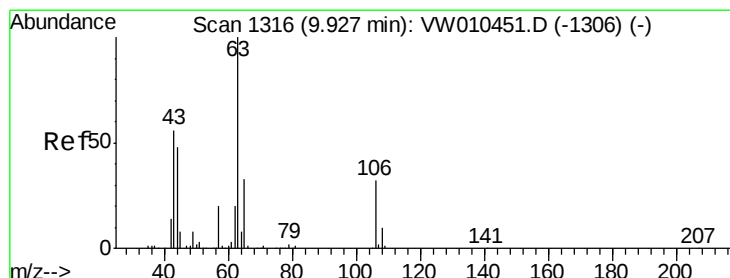
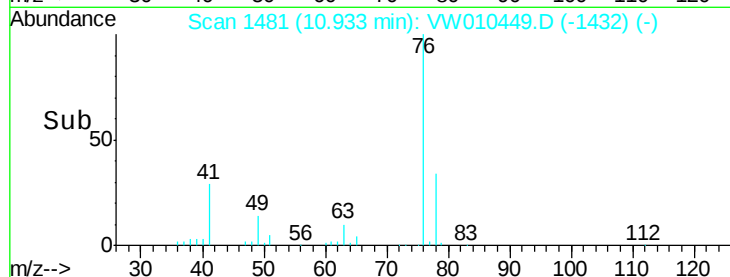
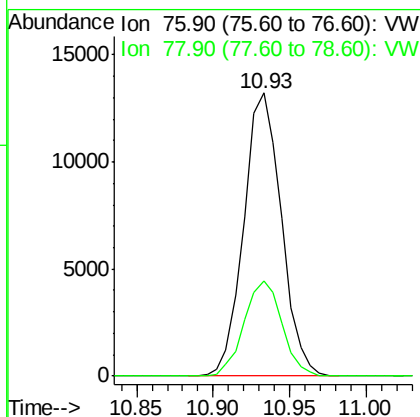
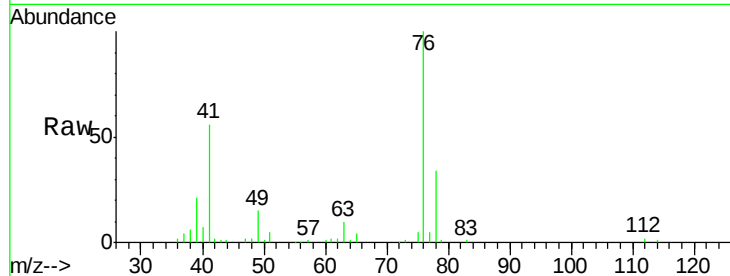
#57
 1,3-Dichloropropane
 Concen: 9.860 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.1	26.2	39.2

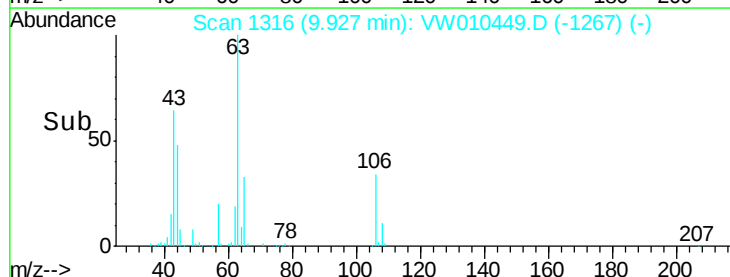
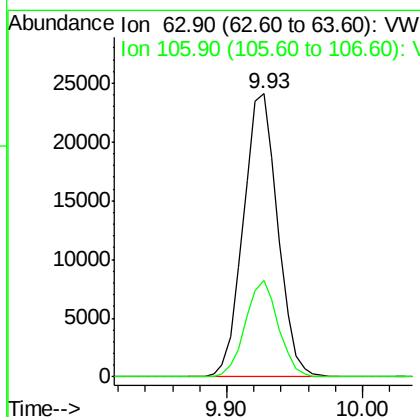
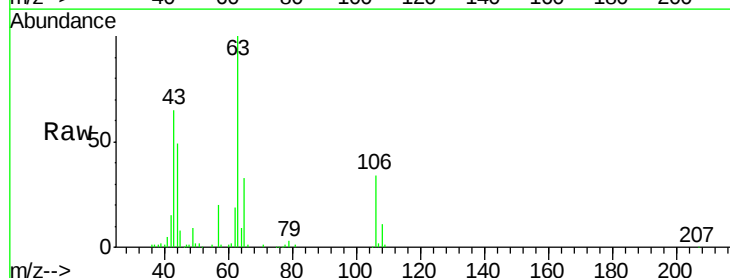
Manual Integrations
 APPROVED

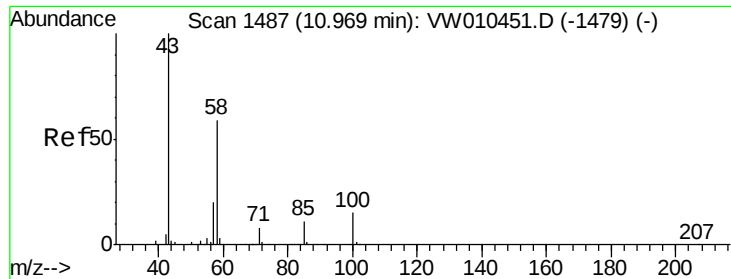
MMDadoda
 5/21/2019 11:28:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 48.094 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.6	25.8	38.6





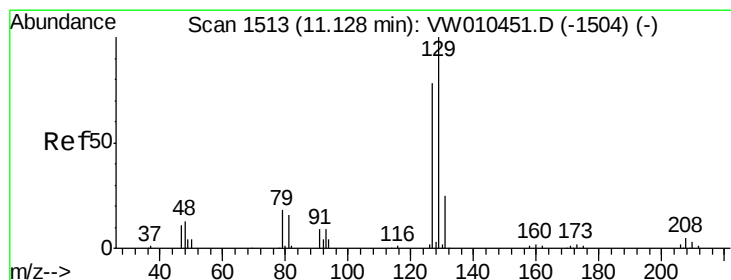
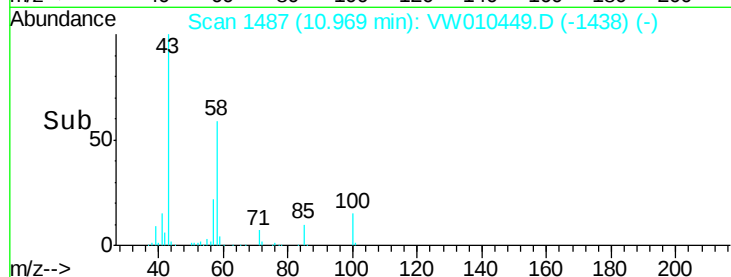
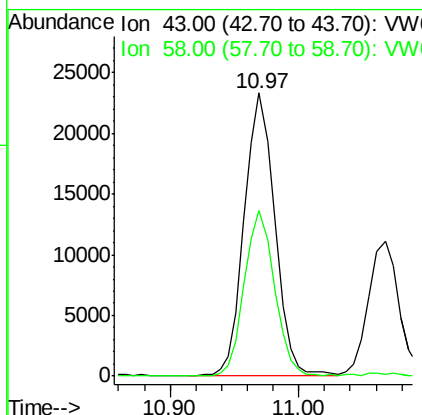
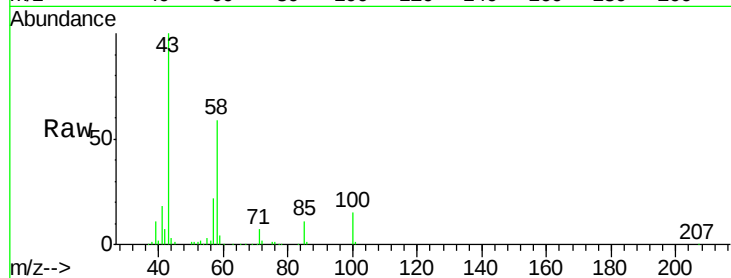
#59
2-Hexanone
Concen: 48.268 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 38075
Ion Ratio Lower Upper
43 100
58 57.9 28.9 86.8

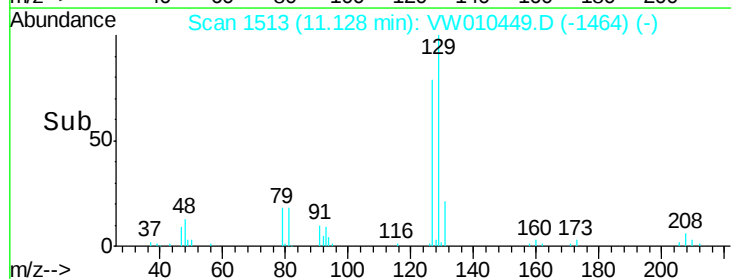
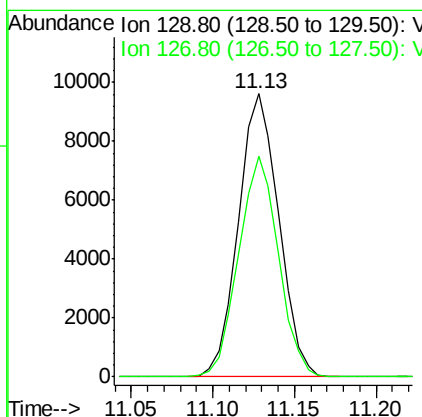
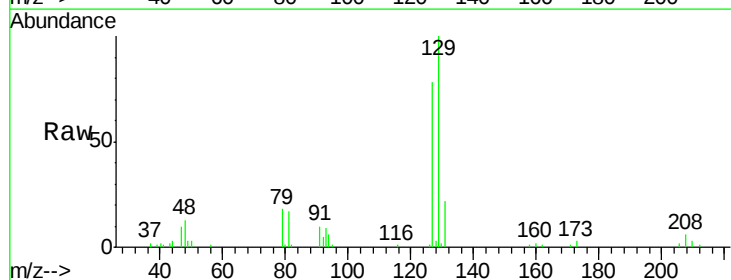
Manual Integrations
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#60
Dibromochloromethane
Concen: 9.748 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion: 129 Resp: 16562
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 9.706 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 13461

Ion Ratio Lower Upper

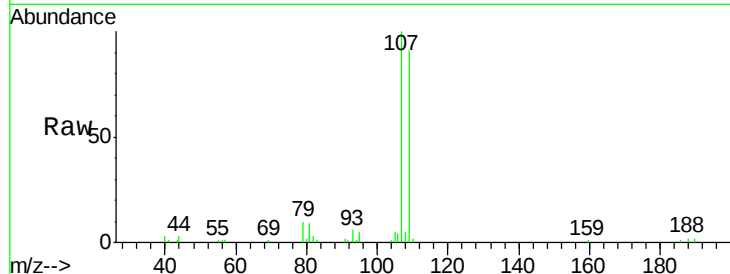
107 100

109 92.1 75.0 112.4

Manual Integrations
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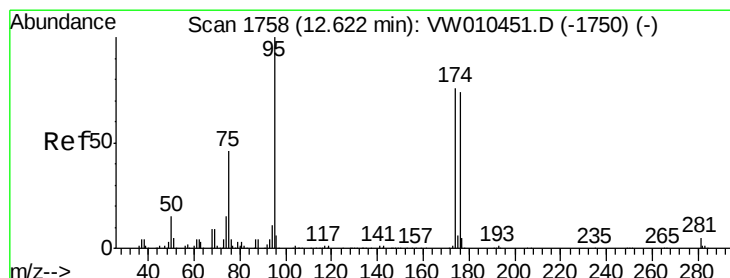
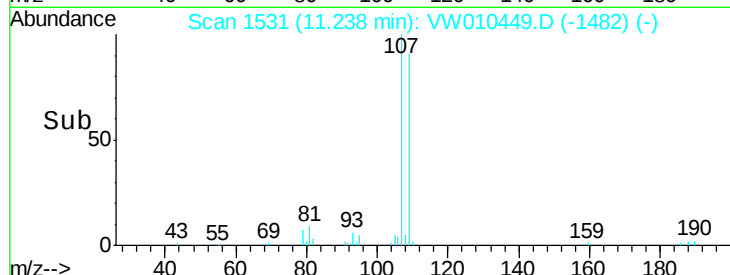
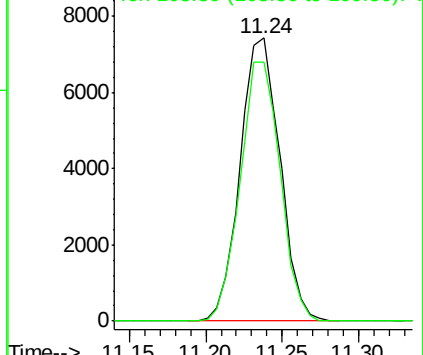
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 10.842 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

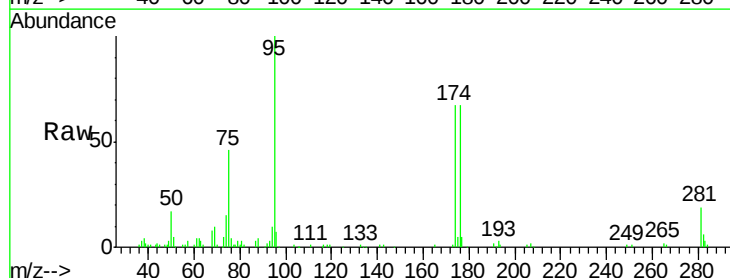
Tgt Ion: 95 Resp: 25264

Ion Ratio Lower Upper

95 100

174 68.3 0.0 148.6

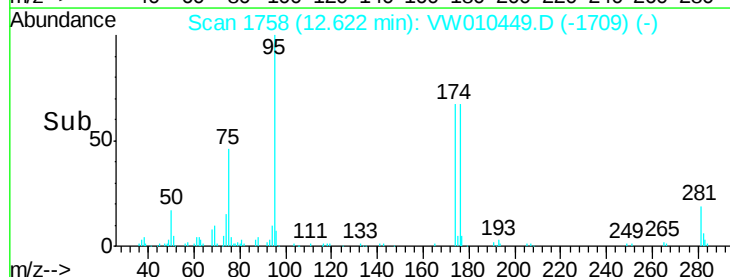
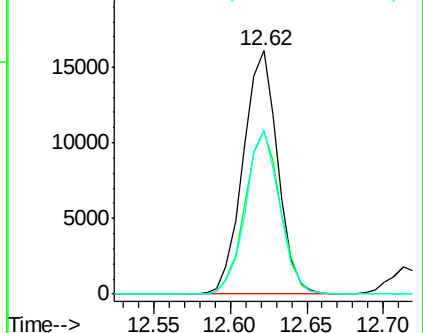
176 66.0 0.0 144.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





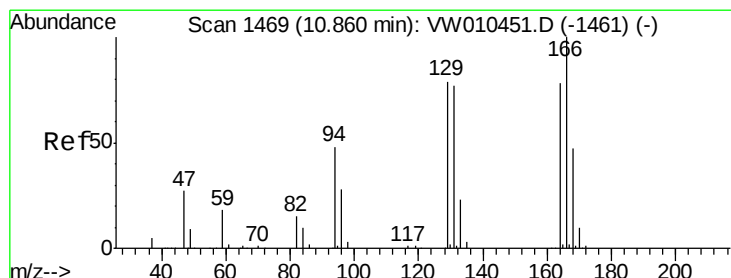
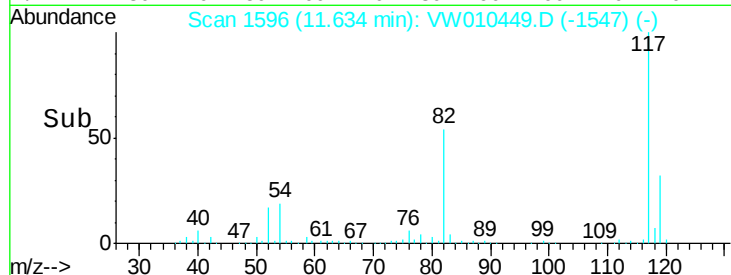
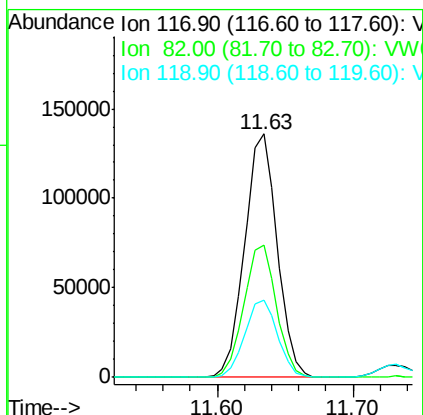
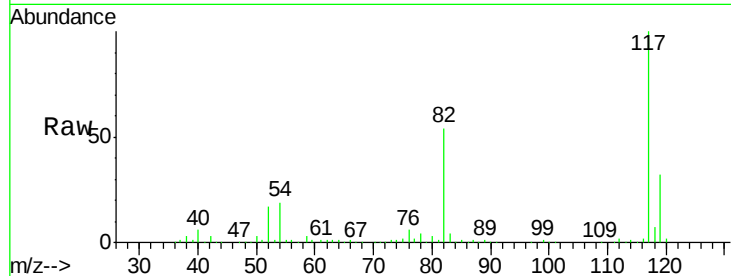
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	42.8	64.2
119	31.8	26.3	39.5

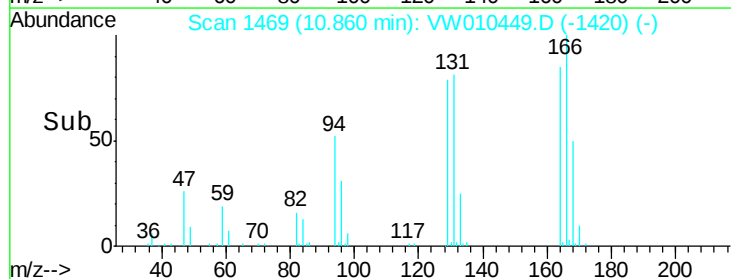
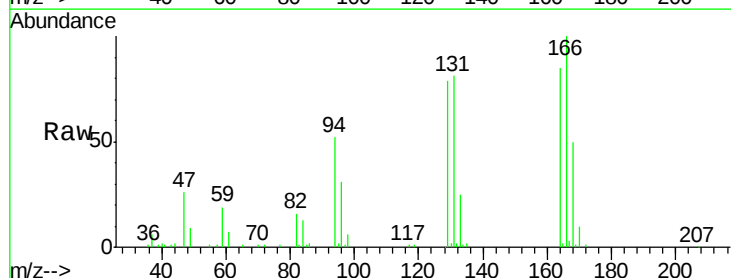
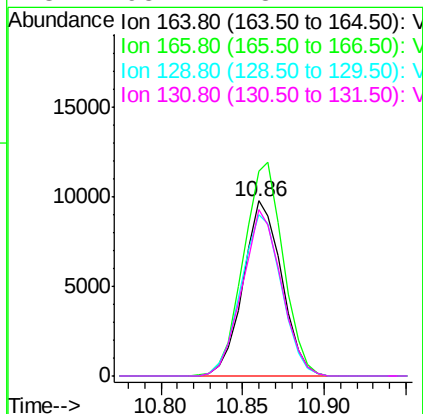
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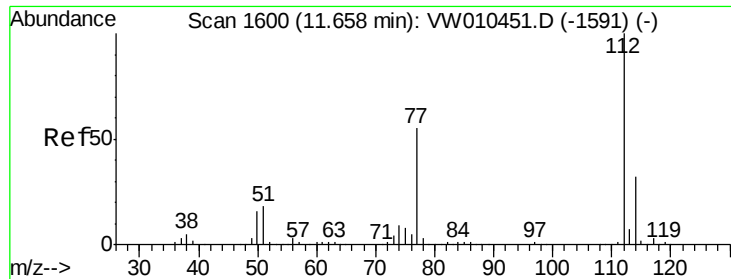
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#64
Tetrachloroethene
Concen: 10.555 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.4	101.9	152.9
129	92.5	80.6	121.0
131	95.1	78.2	117.2





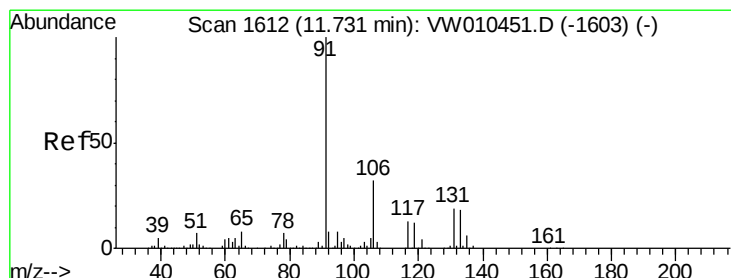
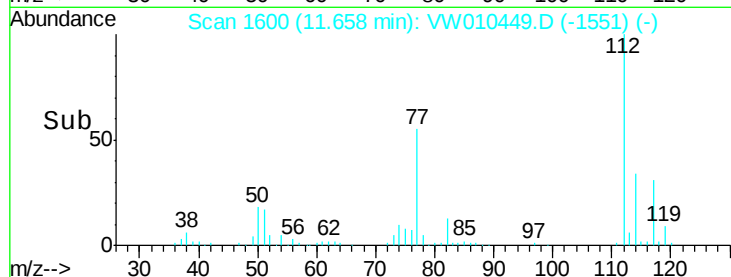
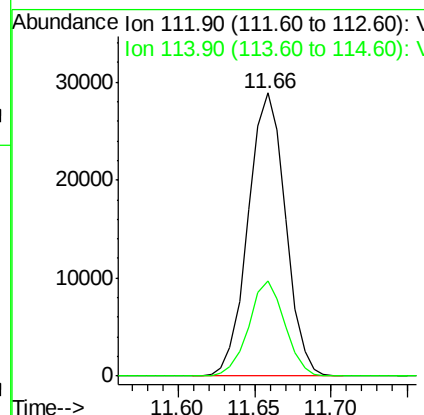
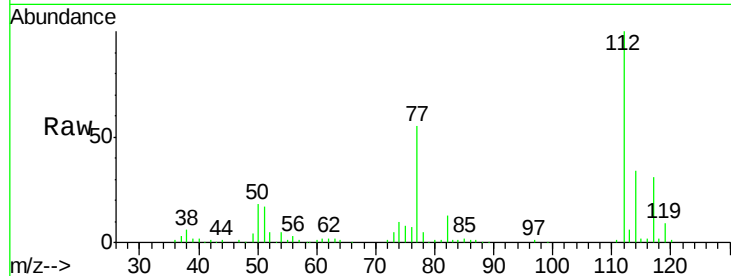
#65
Chlorobenzene
Concen: 10.494 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 49123
Ion Ratio Lower Upper
112 100
114 33.7 25.3 37.9

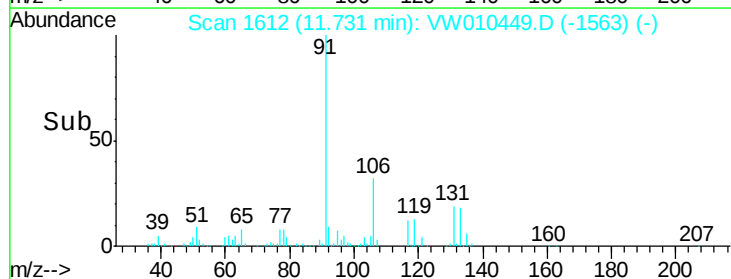
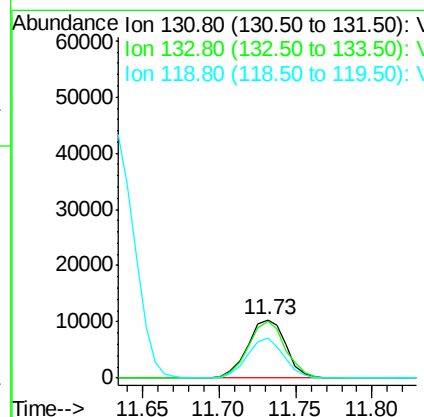
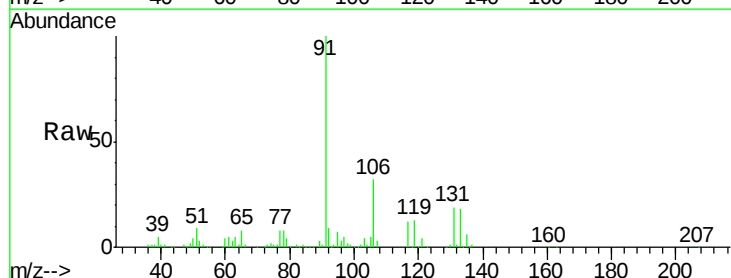
Manual Integrations
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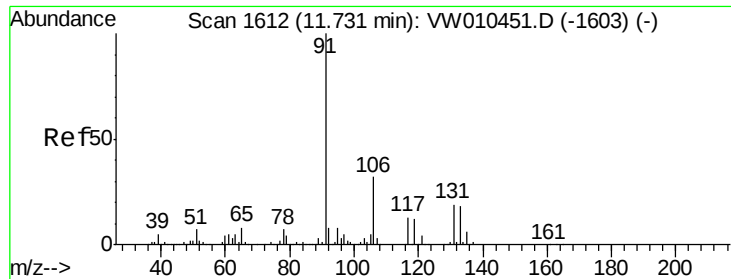
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.420 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion:131 Resp: 17984
Ion Ratio Lower Upper
131 100
133 94.4 47.3 141.9
119 65.8 32.1 96.5





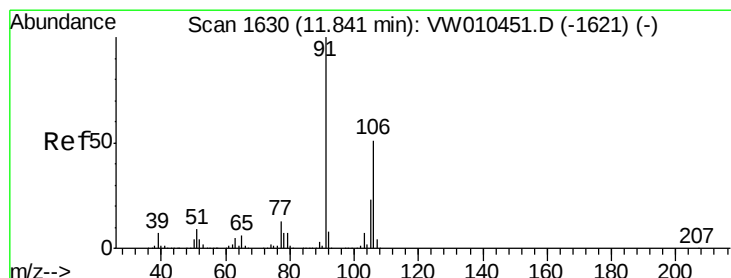
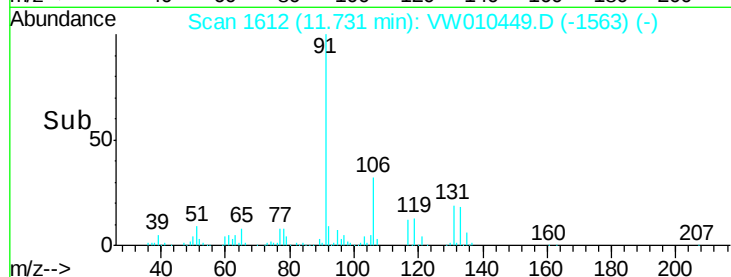
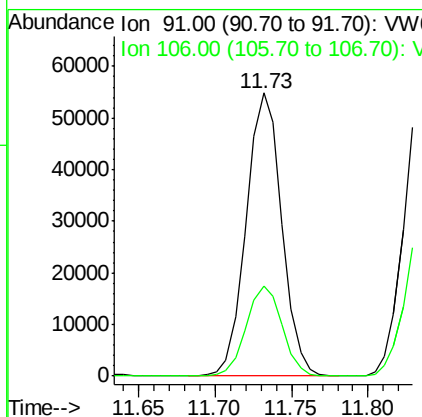
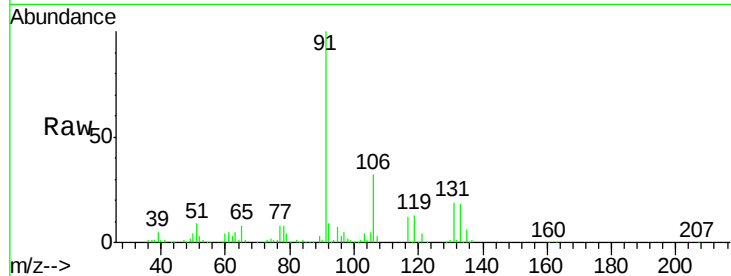
#67
Ethyl Benzene
Concen: 10.689 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 88388
Ion Ratio Lower Upper
91 100
106 31.6 25.9 38.9

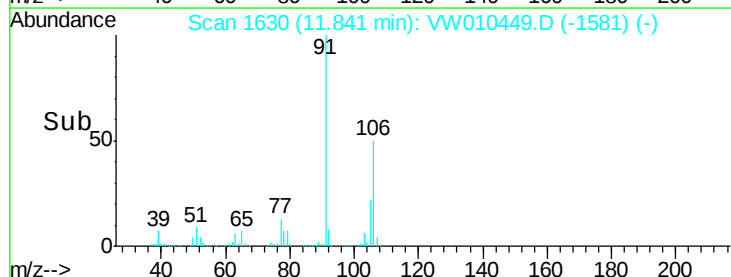
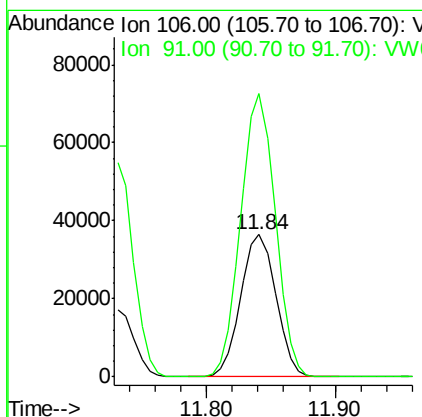
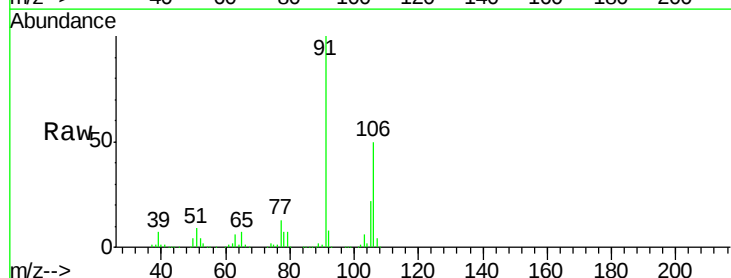
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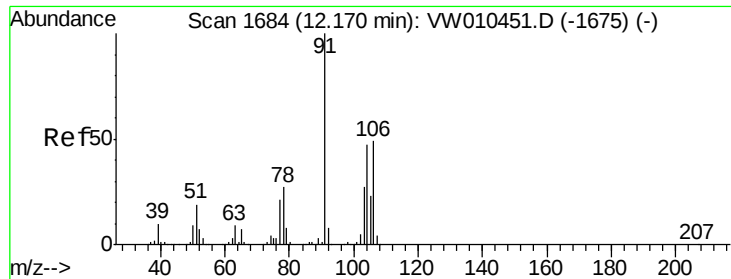
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#68
m/p-Xylenes
Concen: 21.306 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion: 106 Resp: 68994
Ion Ratio Lower Upper
106 100
91 196.0 156.0 234.0





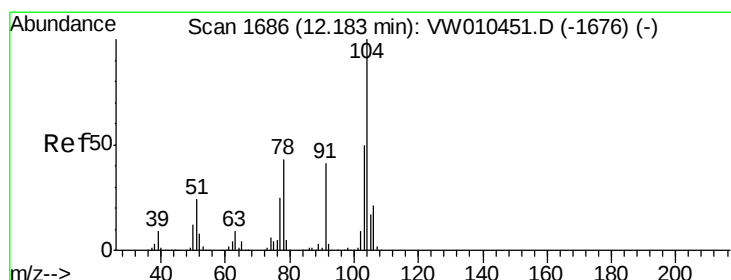
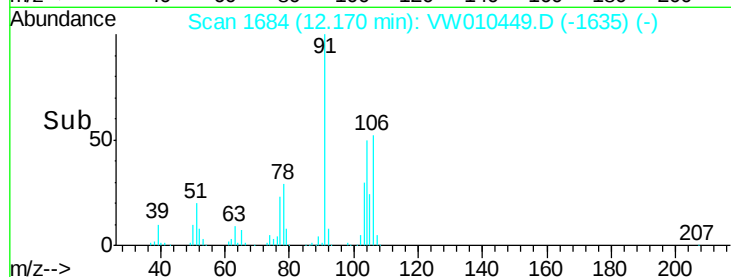
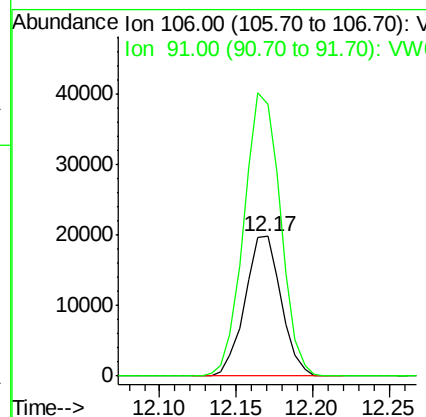
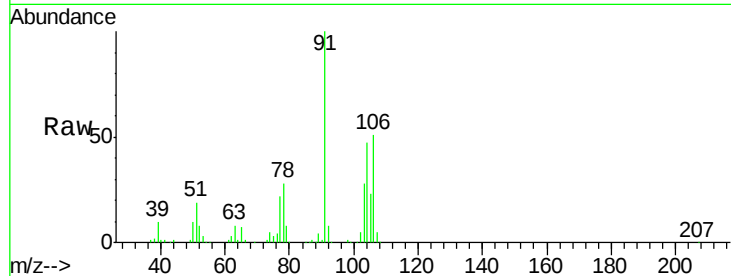
#69
o-Xylene
Concen: 10.602 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 32663
Ion Ratio Lower Upper
106 100
91 204.4 103.2 309.4

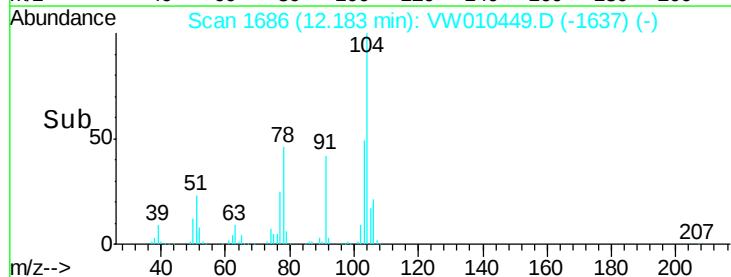
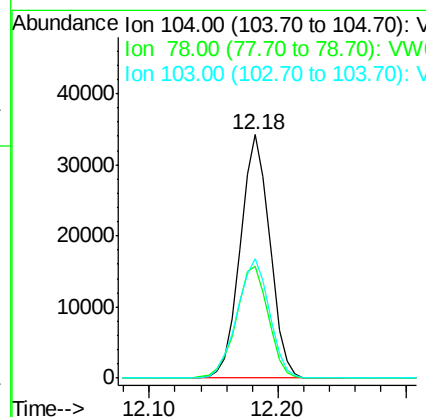
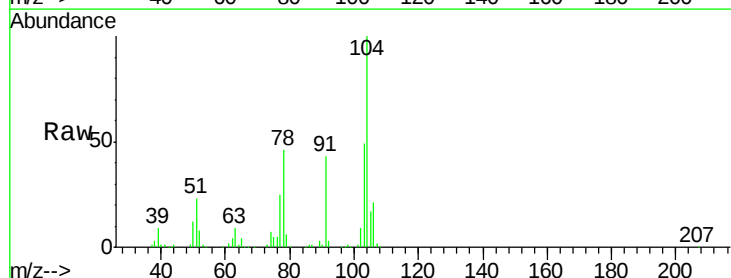
Manual Integrations
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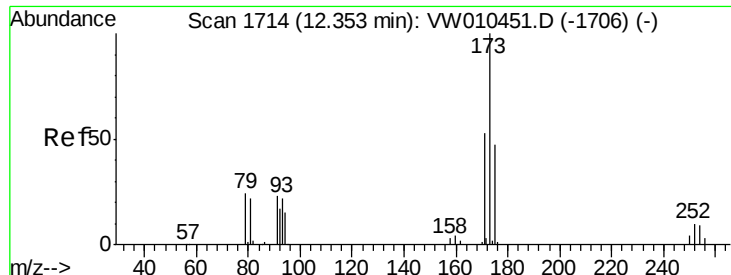
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#70
Styrene
Concen: 10.272 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion:104 Resp: 54402
Ion Ratio Lower Upper
104 100
78 50.4 39.0 58.4
103 53.7 43.0 64.6





#71

Bromoform

Concen: 9.616 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

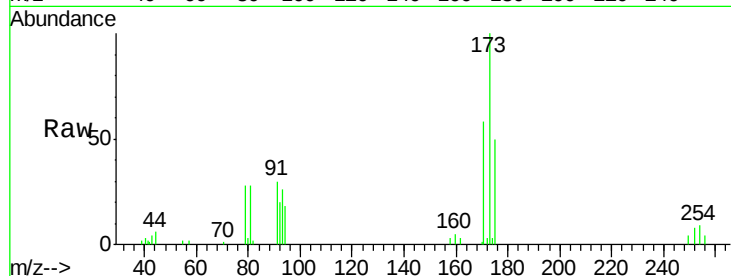
ClientSampleId :

VSTDIC010

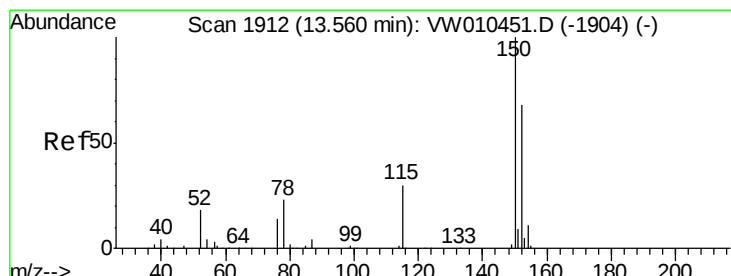
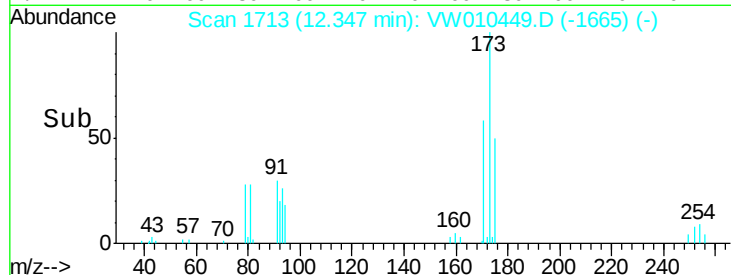
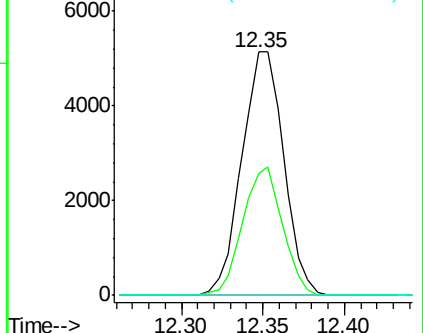
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.4	73.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

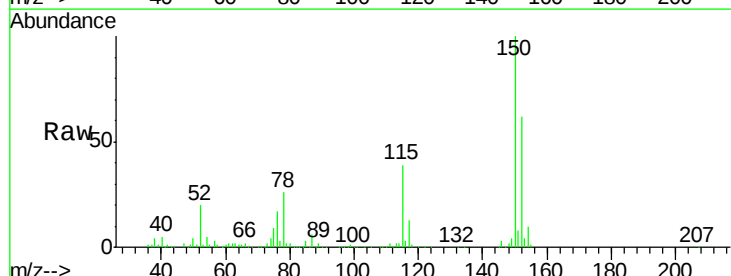
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

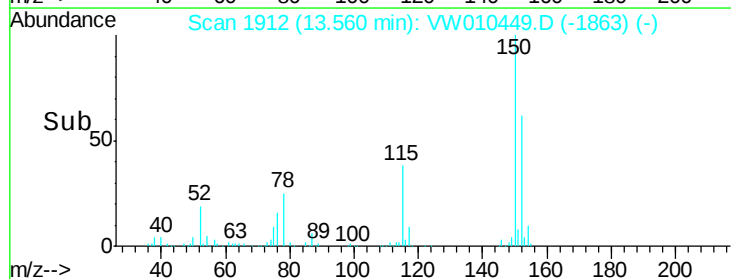
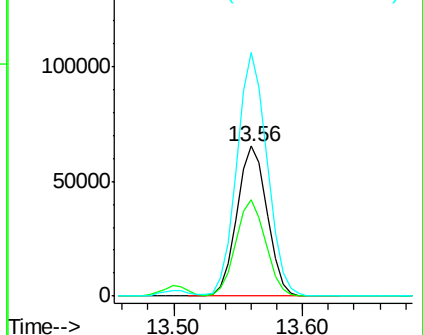
Lab File: VW010449.D

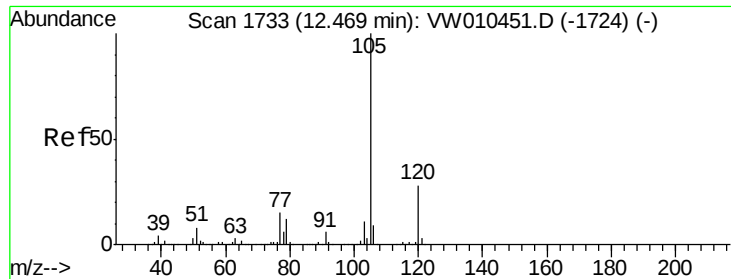
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	30.3	91.0
150	163.1	0.0	349.8



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





#73

Isopropylbenzene

Concen: 10.734 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 89190

Ion Ratio Lower Upper

105 100

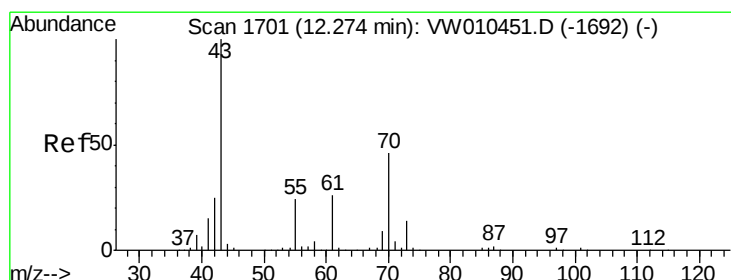
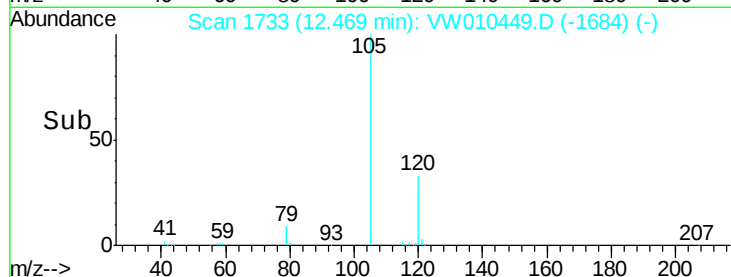
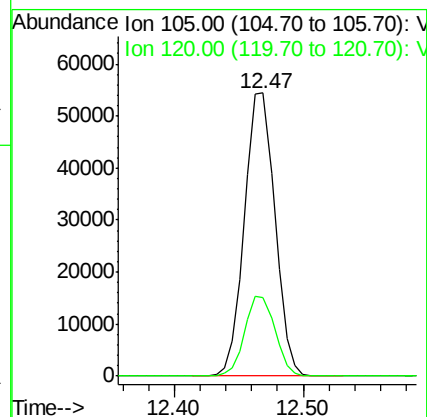
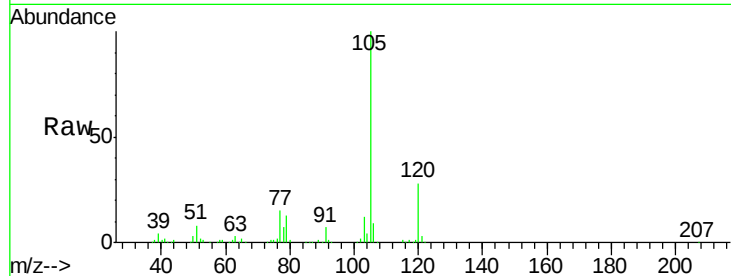
120 27.9 13.9 41.7

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#74

N-ethyl acetate

Concen: 9.732 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Tgt Ion: 43 Resp: 20247

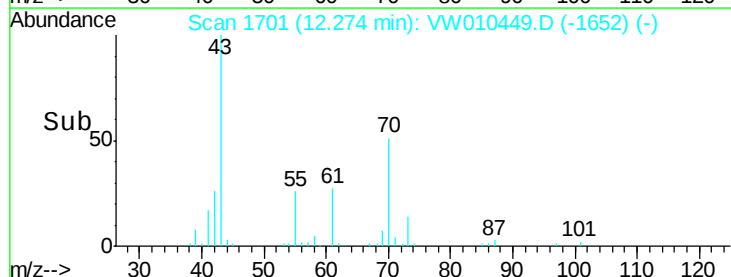
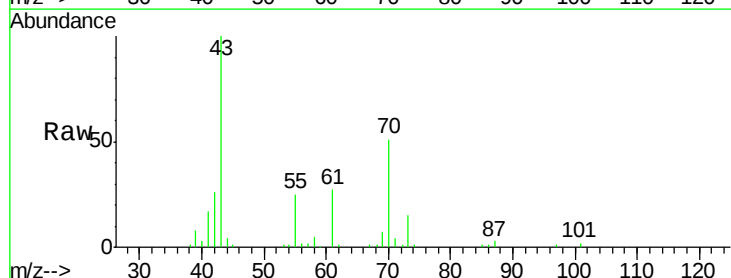
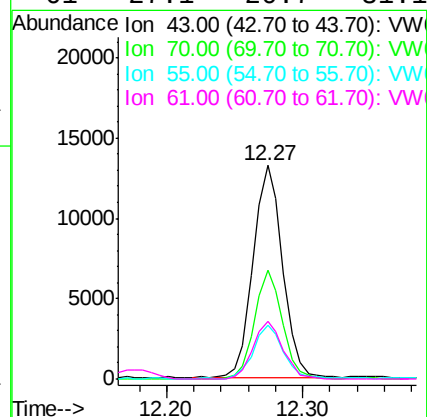
Ion Ratio Lower Upper

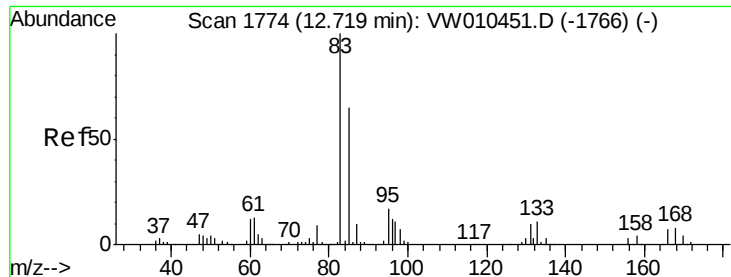
43 100

70 48.1 37.1 55.7

55 26.8 19.6 29.4

61 27.1 20.7 31.1





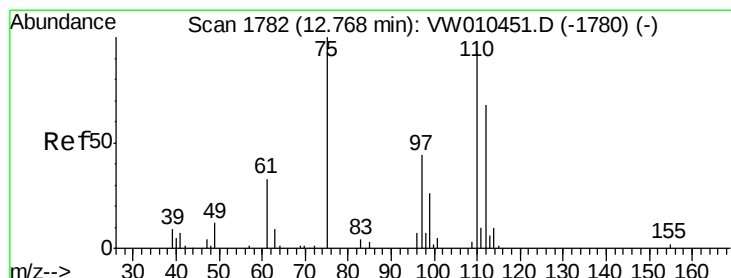
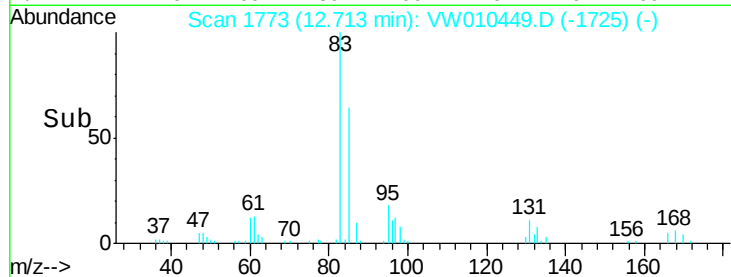
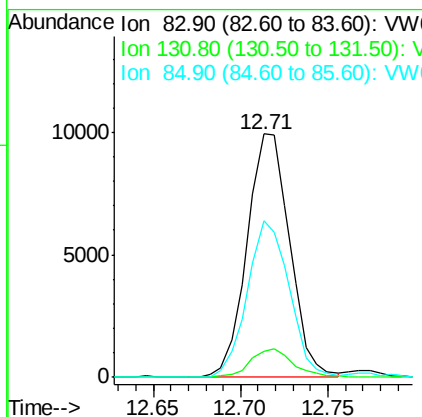
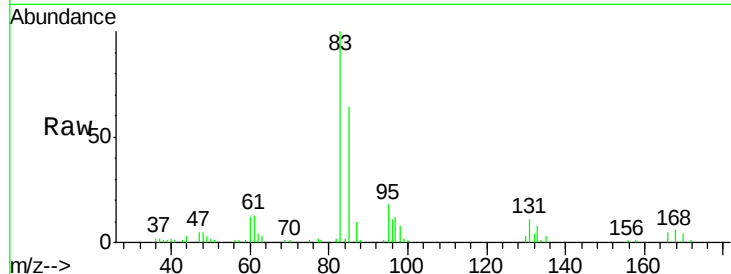
#75
 1,1,2,2-Tetrachloroethane
 Concen: 10.450 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.01 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	16835		
131	11.9	5.6	16.8	
85	63.2	32.4	97.0	

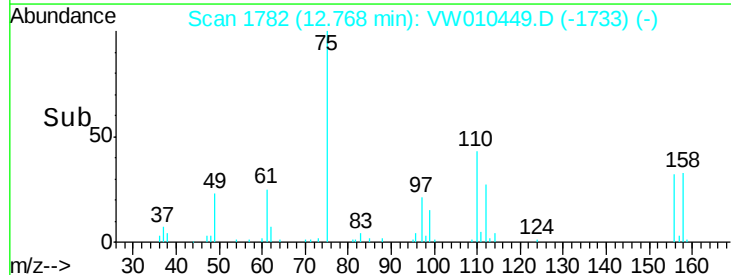
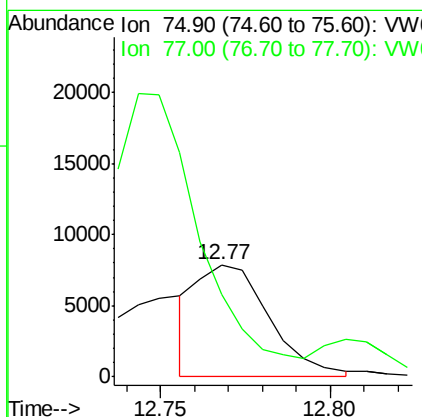
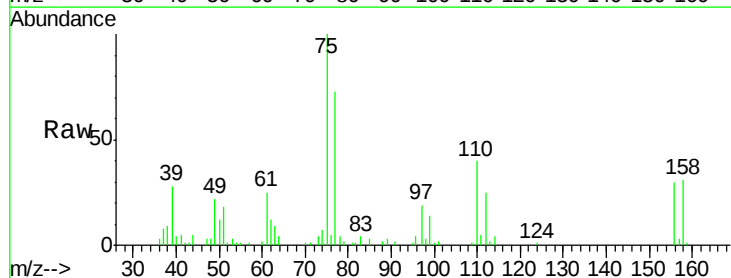
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#76
 1,2,3-Trichloropropane
 Concen: 10.489 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11781		
77	0.0	170.0	510.1	





#77

Bromobenzene

Concen: 10.359 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

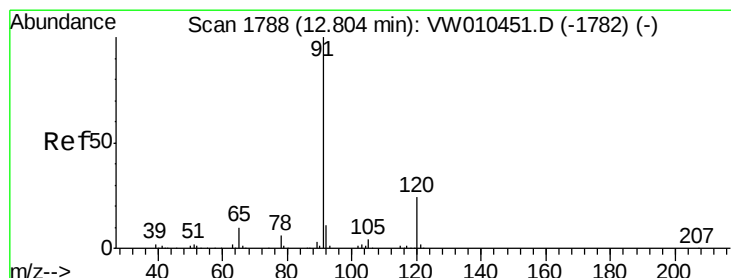
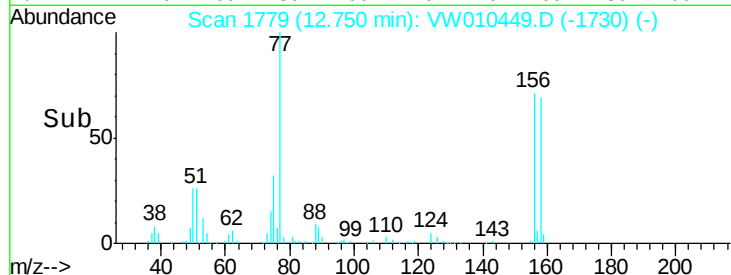
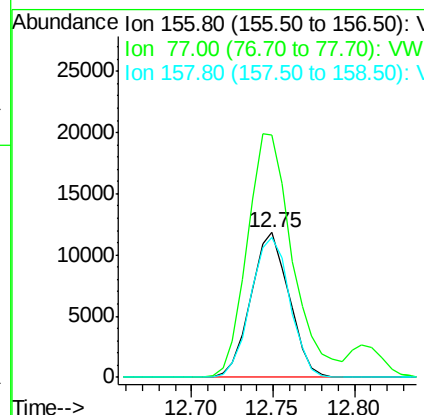
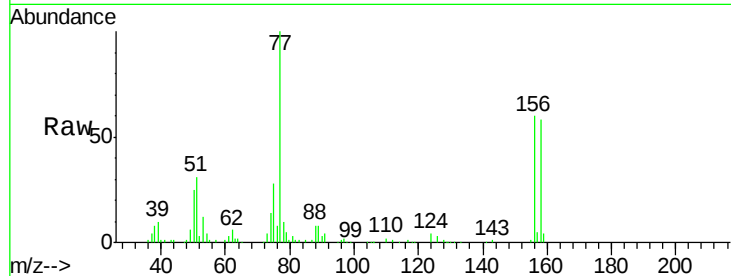
ClientSampled :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.9	92.4	277.2
158	98.4	48.3	144.8

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#78

n-propylbenzene

Concen: 10.763 ug/l

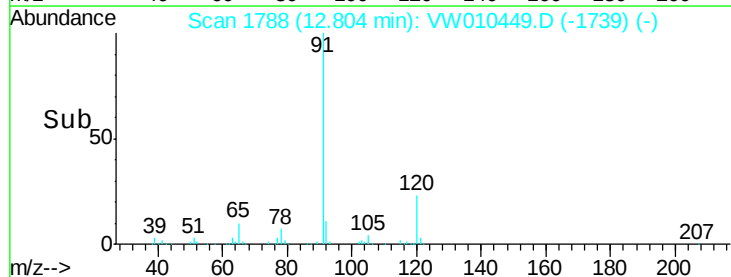
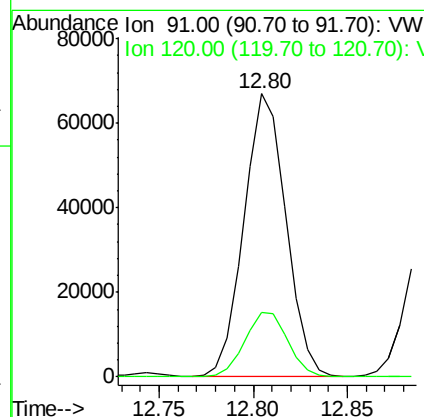
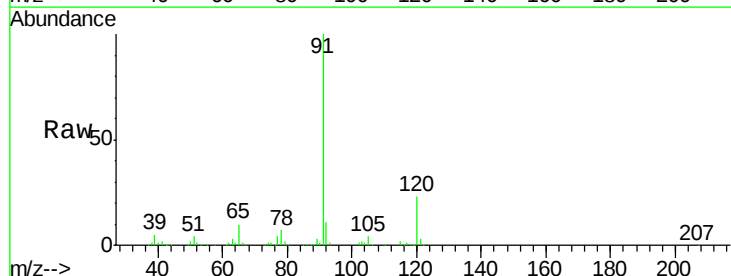
RT: 12.80 min Scan# 1788

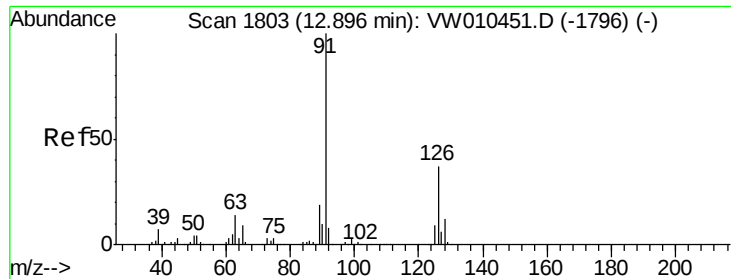
Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	12.3	36.8





#79

2-Chlorotoluene

Concen: 10.854 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 60884

Ion Ratio Lower Upper

91 100

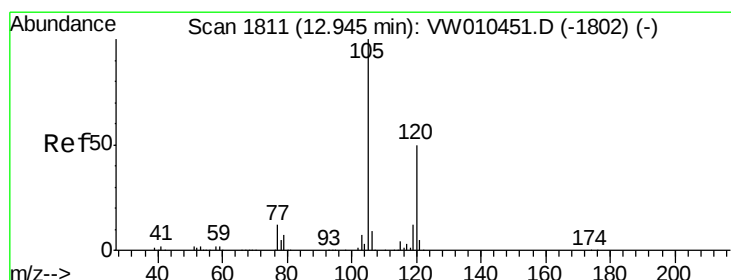
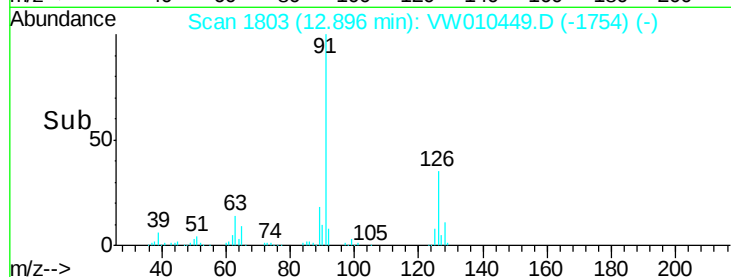
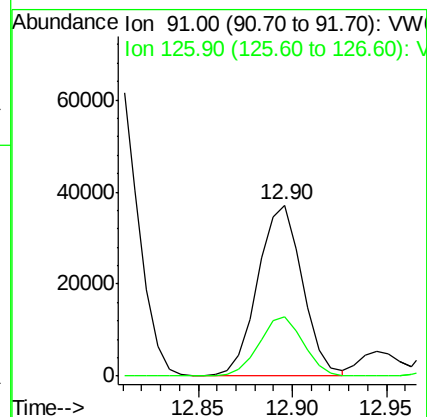
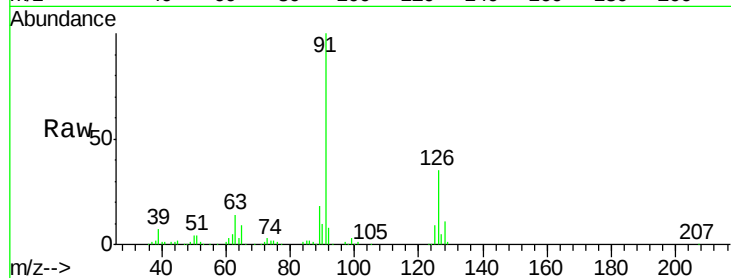
126 34.5 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 10.637 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010449.D

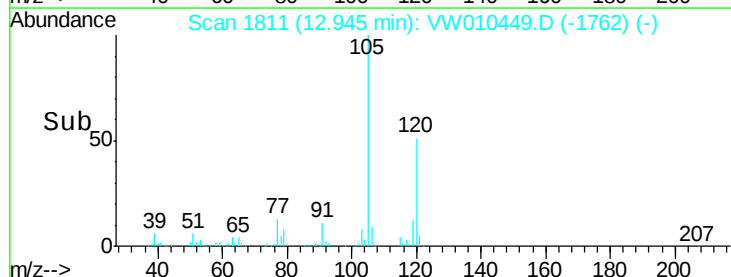
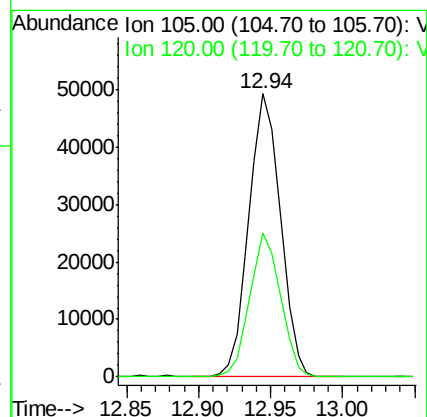
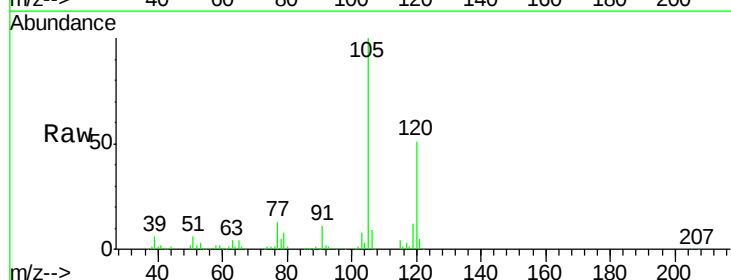
Acq: 20 May 2019 15:36

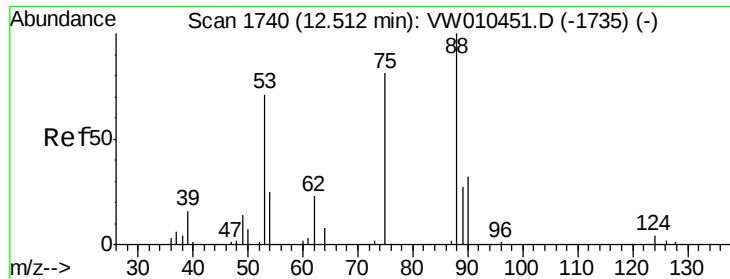
Tgt Ion:105 Resp: 75047

Ion Ratio Lower Upper

105 100

120 49.2 25.2 75.6





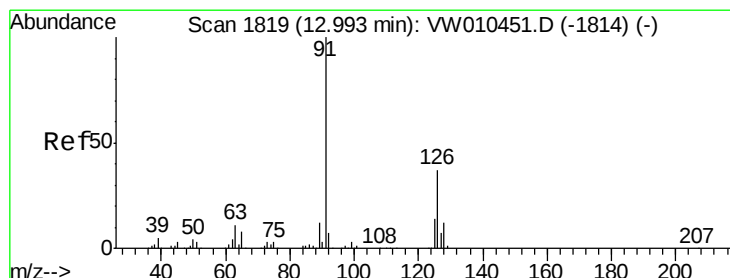
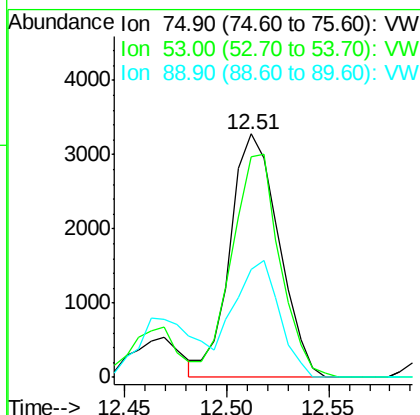
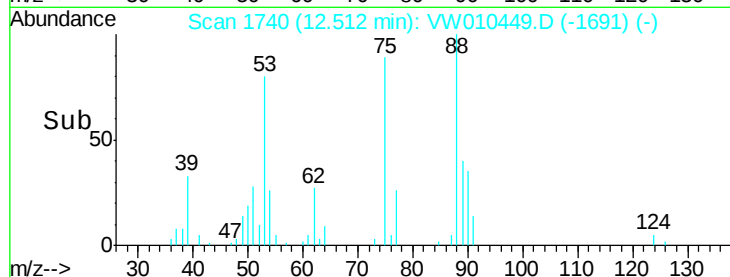
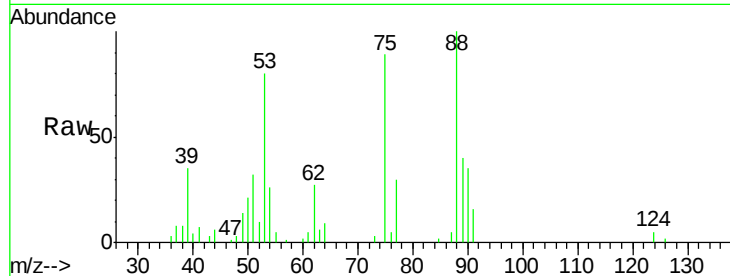
#81
trans-1,4-Dichloro-2-butene
Concen: 9.541 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.1	69.8	104.8
89	44.4	39.5	59.3

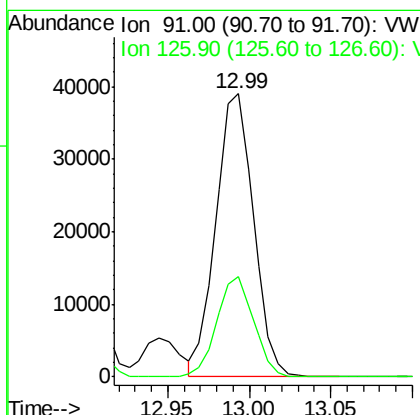
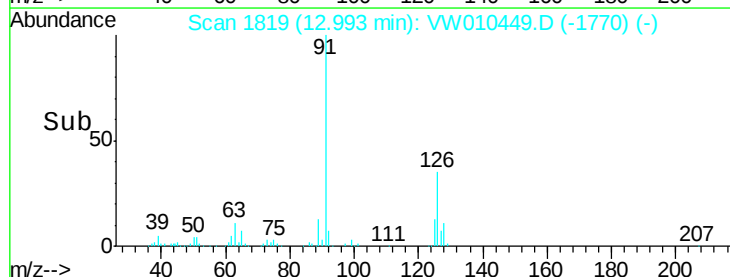
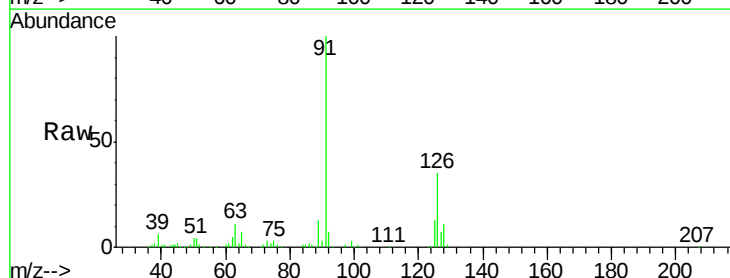
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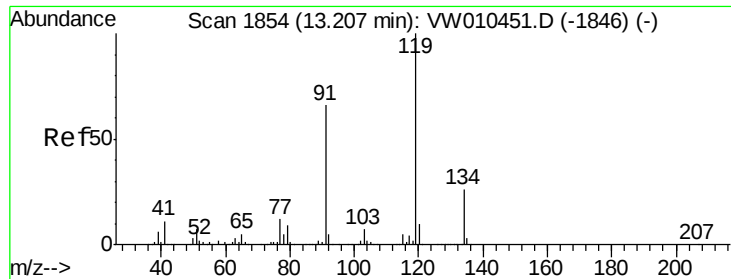
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#82
4-Chlorotoluene
Concen: 10.761 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.5	52.6





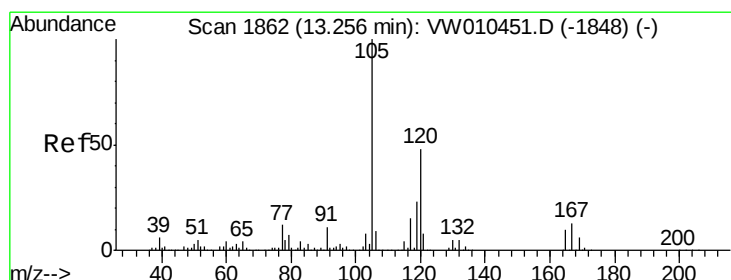
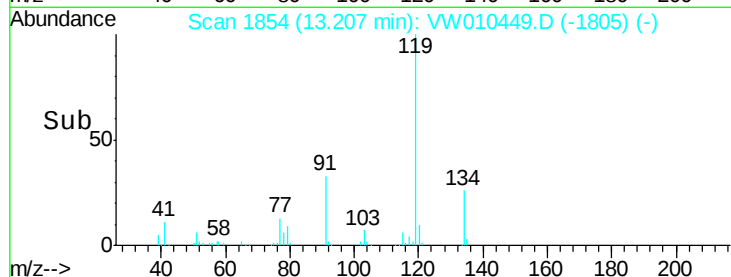
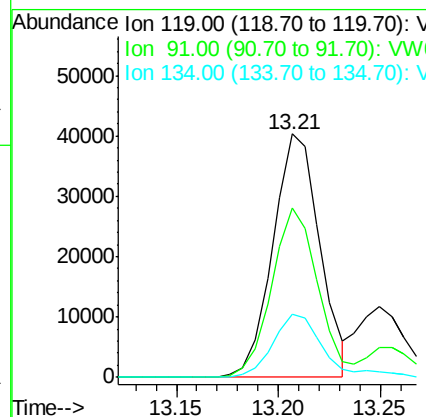
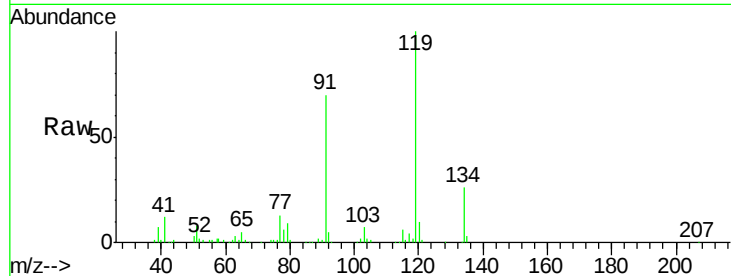
#83
tert-Butylbenzene
Concen: 10.831 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	33.1	99.5
134	28.2	13.9	41.6

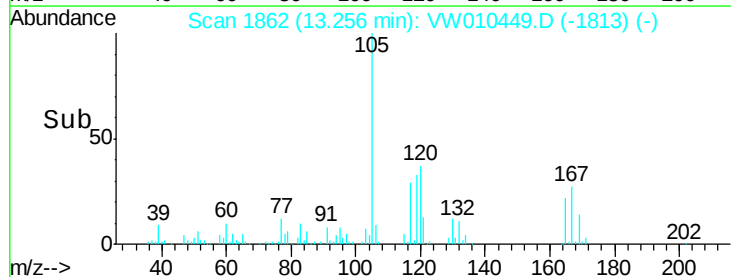
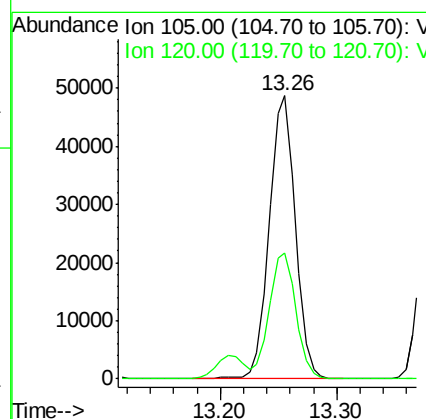
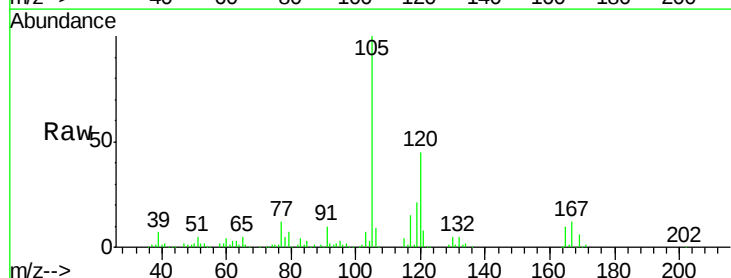
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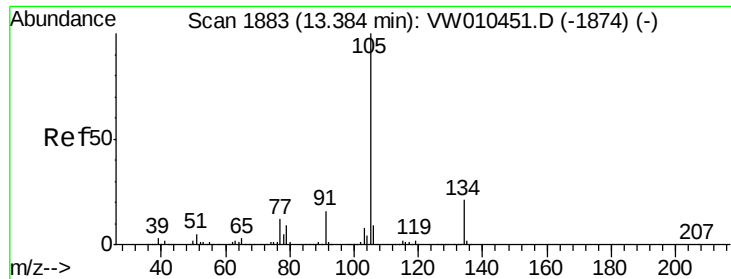
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#84
1,2,4-Trimethylbenzene
Concen: 10.918 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.4	70.2





#85

sec-Butylbenzene

Concen: 10.983 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 92433

Ion Ratio Lower Upper

105 100

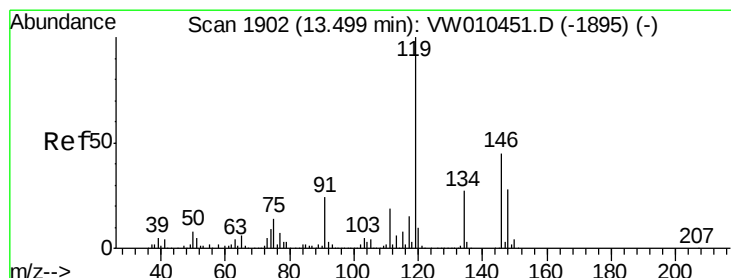
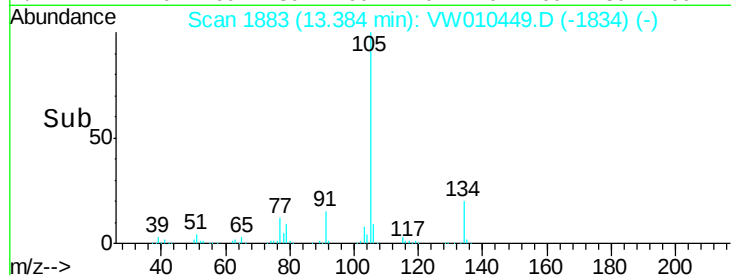
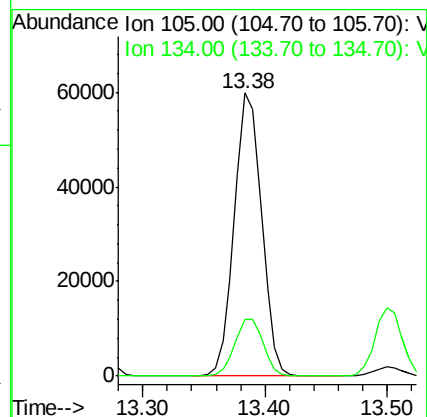
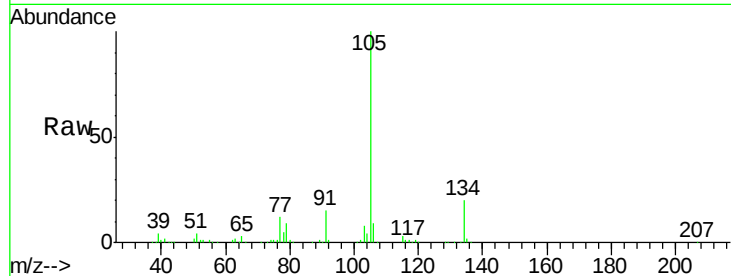
134 21.0 10.5 31.6

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#86

p-Isopropyltoluene

Concen: 10.930 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

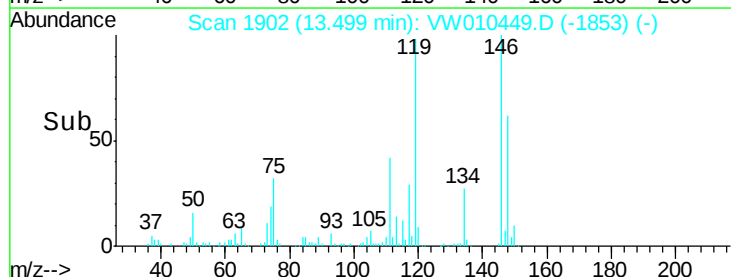
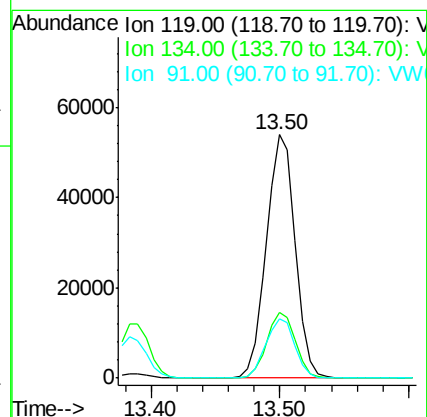
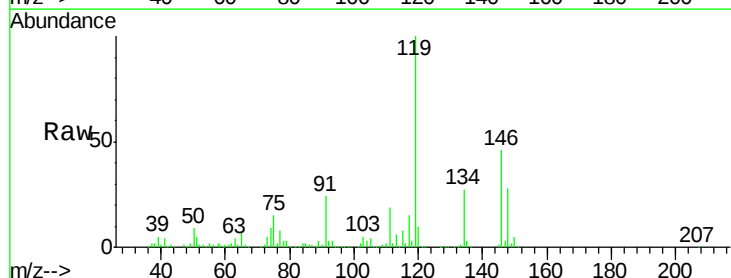
Tgt Ion:119 Resp: 83298

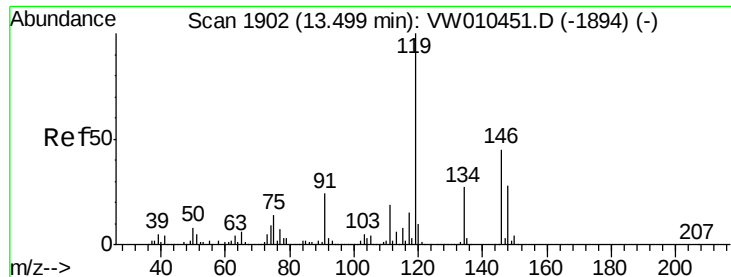
Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.7

91 24.6 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 10.851 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Instrument :

MSVOA_W

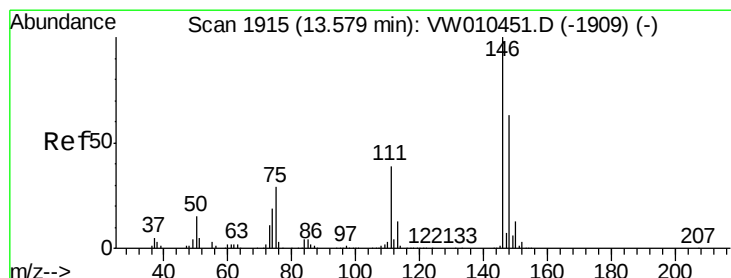
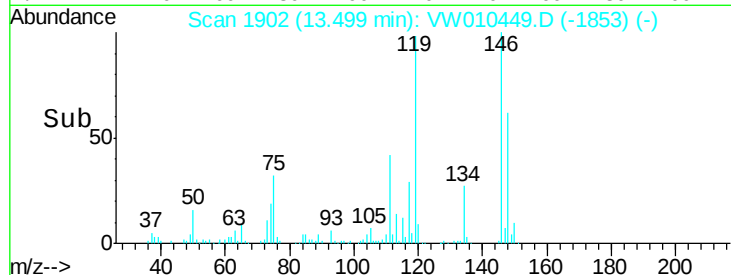
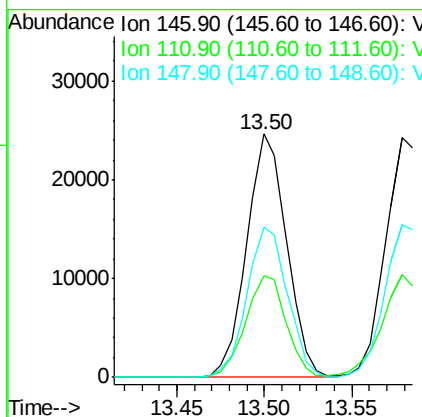
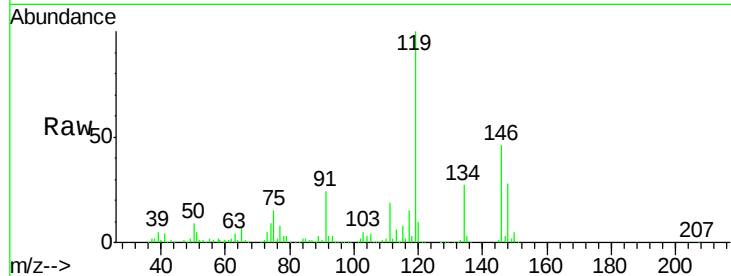
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	39154
Ion Ratio	Lower	Upper	
146	100		
111	42.5	20.3	60.9
148	62.6	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 10.823 ug/l

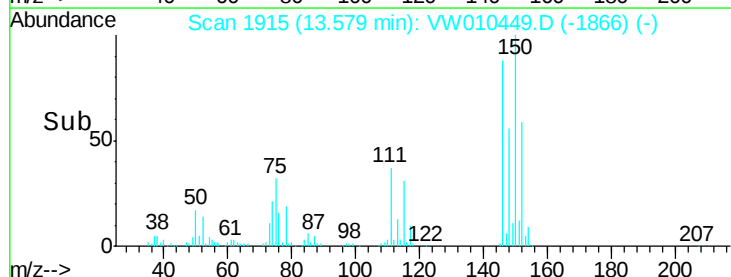
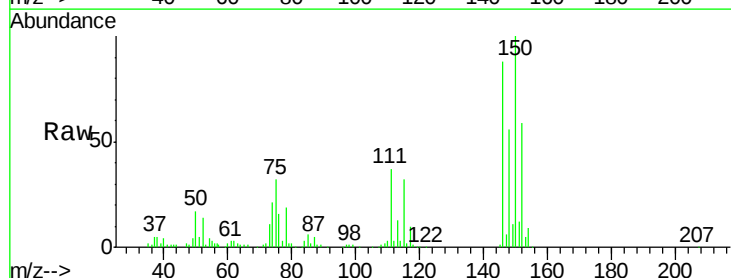
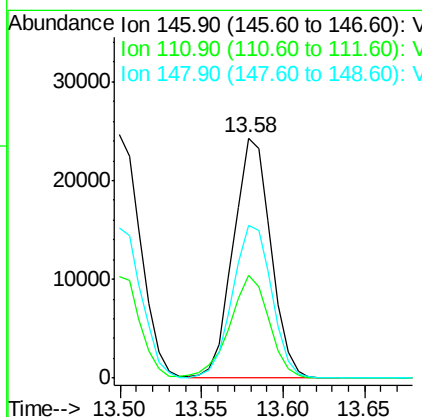
RT: 13.58 min Scan# 1915

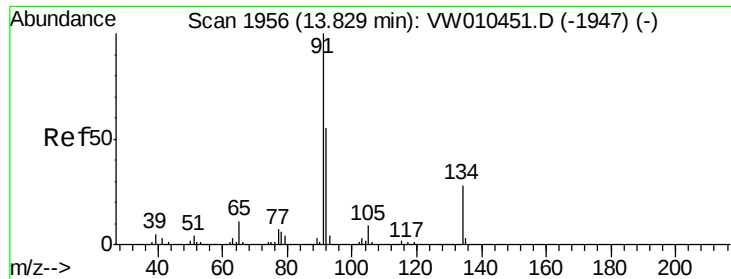
Delta R.T. 0.00 min

Lab File: VW010449.D

Acq: 20 May 2019 15:36

Tgt Ion:	146	Resp:	38979
Ion Ratio	Lower	Upper	
146	100		
111	44.7	19.9	59.6
148	66.3	31.6	94.8





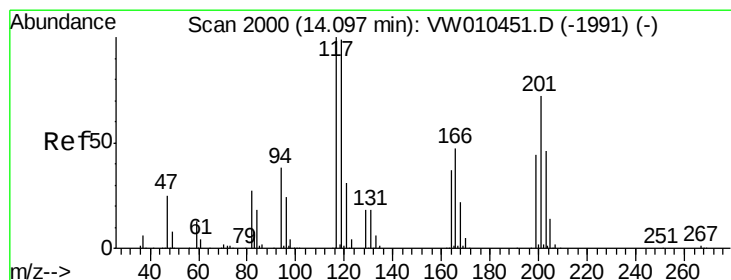
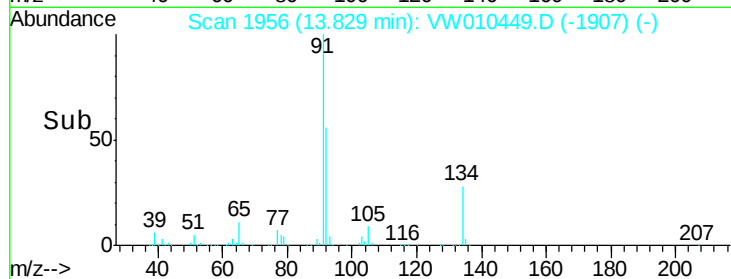
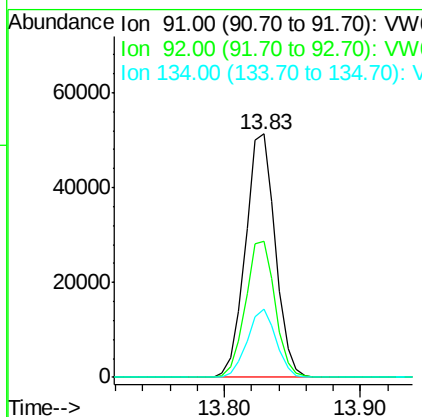
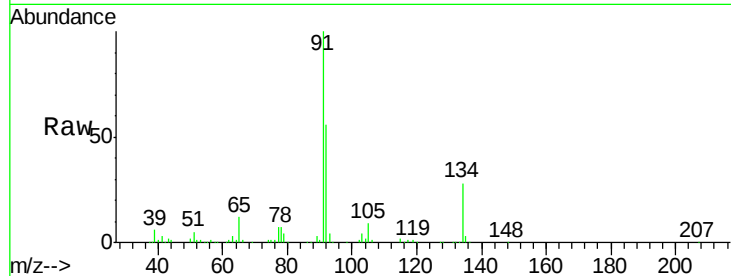
#89
n-Butylbenzene
Concen: 10.838 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.6	27.7	83.1
134	26.9	13.9	41.6

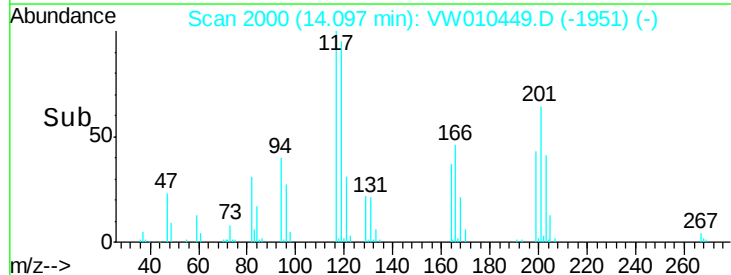
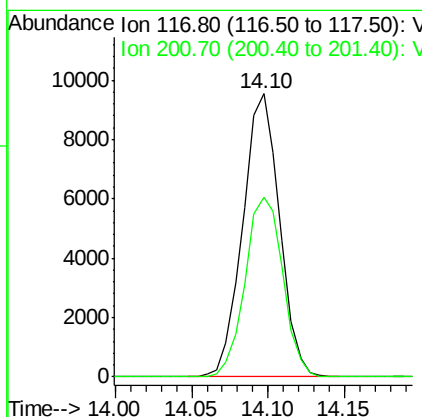
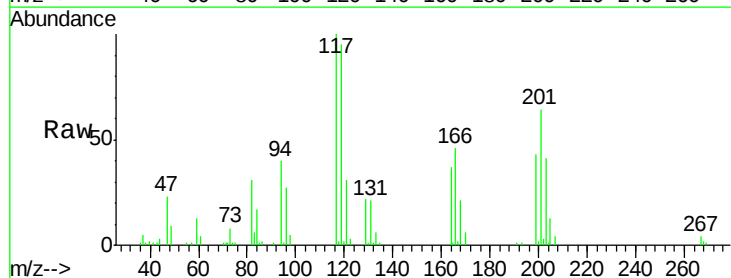
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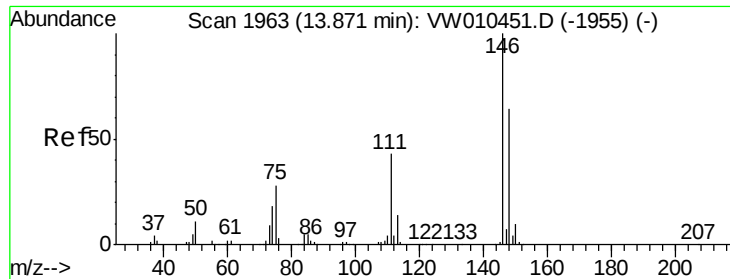
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#90
Hexachloroethane
Concen: 10.435 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.0	34.6	103.8





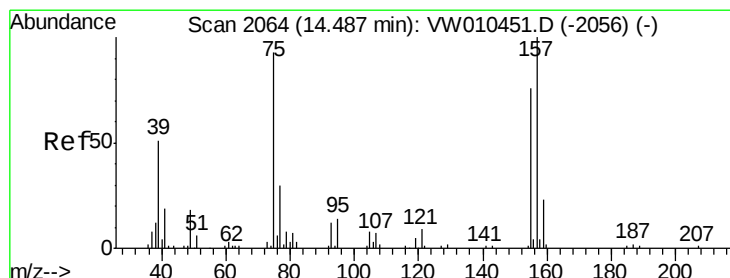
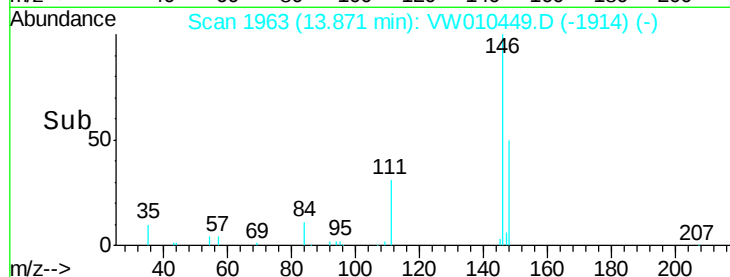
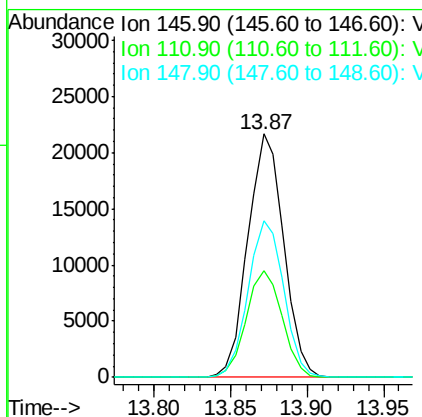
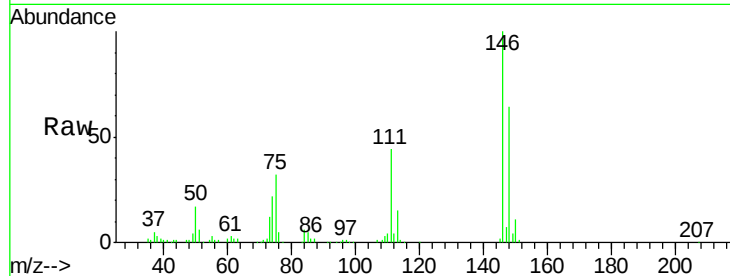
#91
 1,2-Dichlorobenzene
 Concen: 10.814 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.3	64.0
148	64.0	32.0	96.0

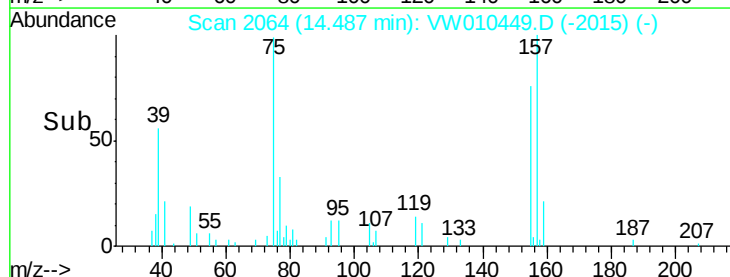
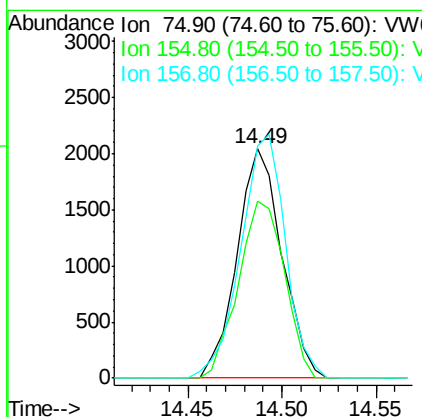
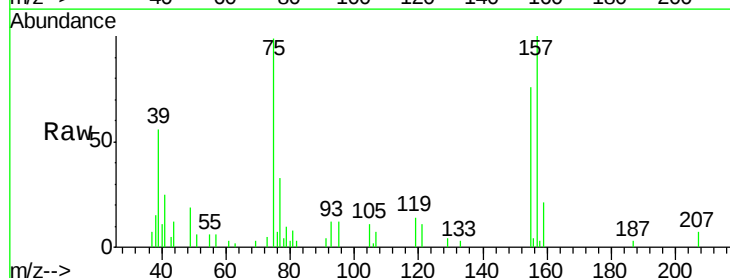
Manual Integrations
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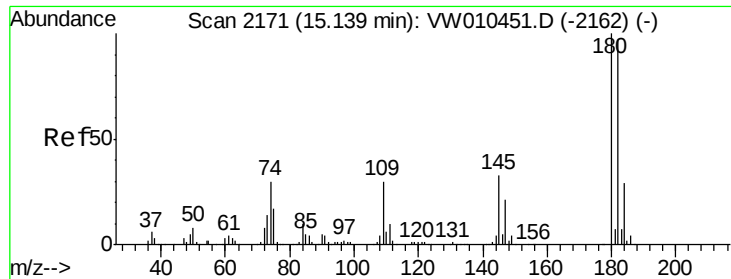
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.223 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	43.0	129.0
157	105.8	55.7	167.1





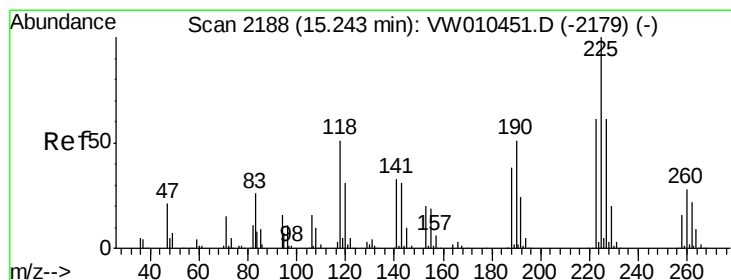
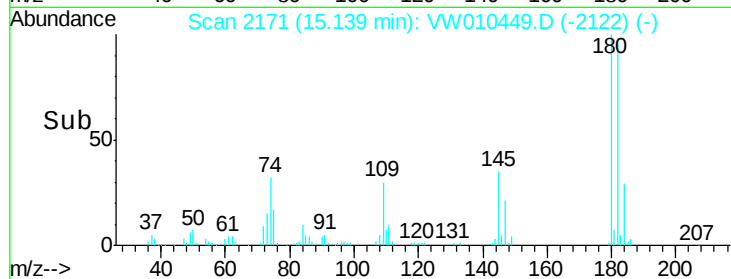
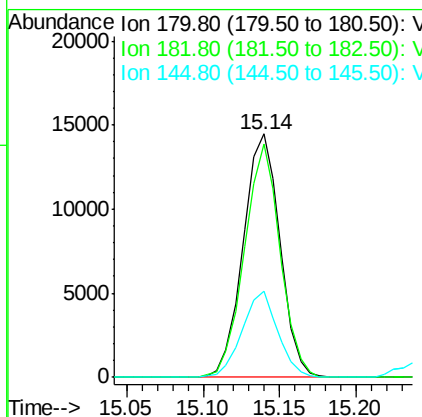
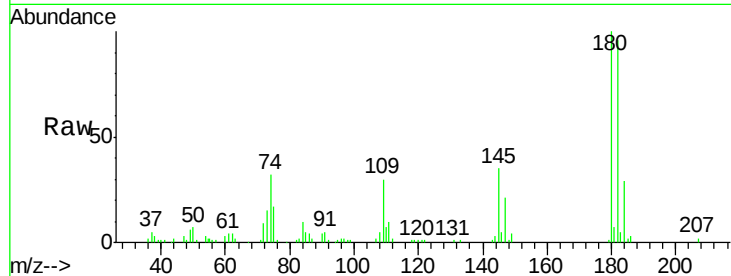
#93
 1,2,4-Trichlorobenzene
 Concen: 11.180 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.0	141.2
145	34.1	16.7	50.0

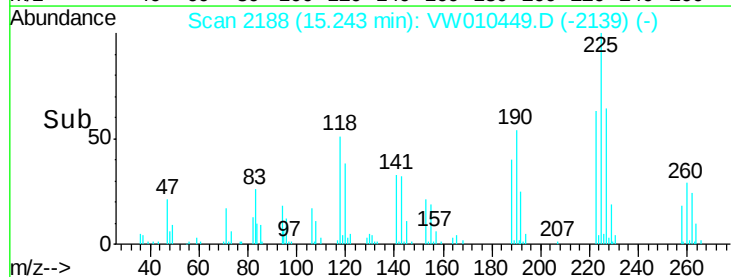
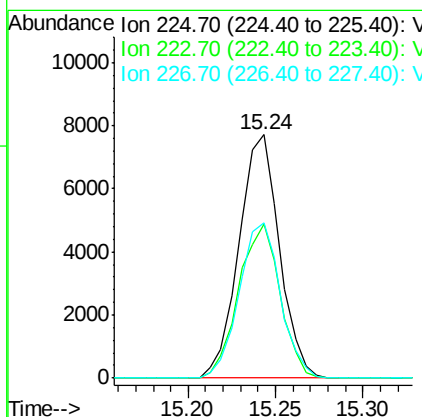
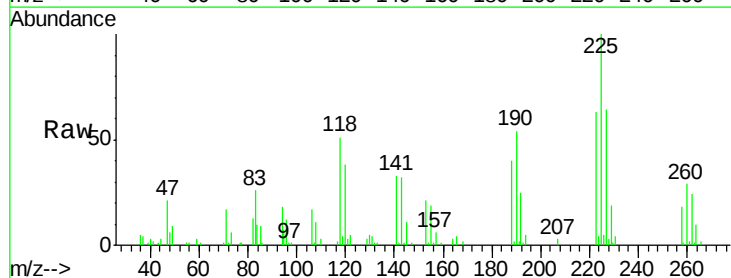
Manual Integrations
 APPROVED

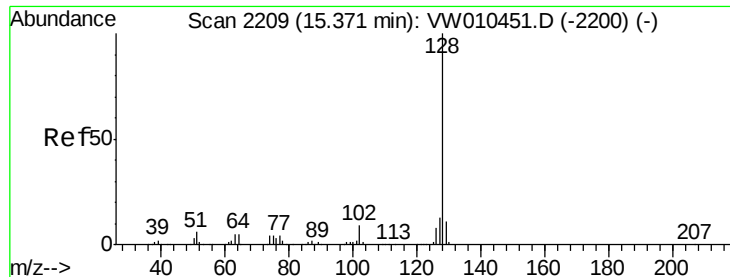
MMDadoda
 5/21/2019 11:28:35 AM



#94
 Hexachlorobutadiene
 Concen: 10.689 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010449.D
 Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.1	93.2
227	65.3	31.1	93.5





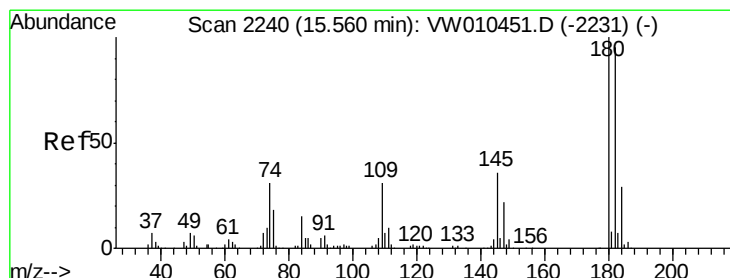
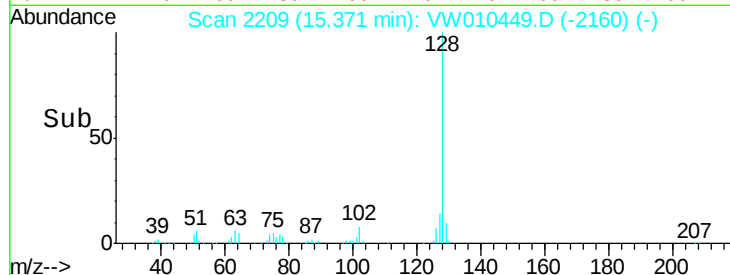
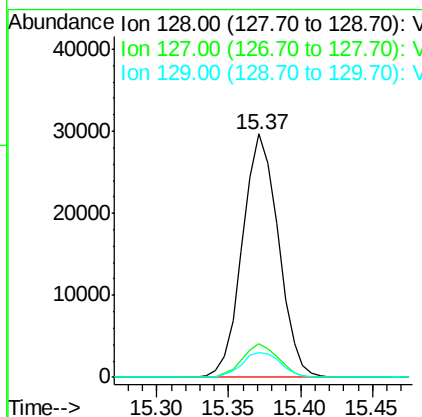
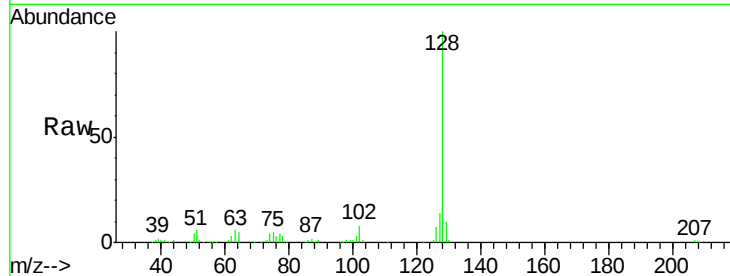
#95
Naphthalene
Concen: 10.703 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
5/21/2019 11:28:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 11.095 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010449.D
Acq: 20 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.1	141.3
145	37.1	17.4	52.3

