

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080319\
 Data File : VW011637.D
 Acq On : 02 Aug 2019 23:58
 Operator : SY/VA
 Sample : VW0803SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0803SBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2019 9:20:04 AM

Quant Time: Aug 04 00:32:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	220857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	375806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161919	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144235	56.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.74%	
35) Dibromofluoromethane	7.88	113	113384	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
50) Toluene-d8	10.32	98	453322	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.62	95	164597	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30903	25.107	ug/l	95
3) Chloromethane	2.21	50	43573	20.415	ug/l	96
4) Vinyl Chloride	2.36	62	53338	20.757	ug/l	99
5) Bromomethane	2.76	94	29341	20.629	ug/l	94
6) Chloroethane	2.92	64	29557	20.137	ug/l	98
7) Trichlorofluoromethane	3.25	101	20551	17.895	ug/l	96
8) Diethyl Ether	3.68	74	29084	22.337	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45972	21.103	ug/l	99
10) Methyl Iodide	4.27	142	65810	21.377	ug/l	99
11) Tert butyl alcohol	5.17	59	23366	115.232	ug/l	99
12) 1,1-Dichloroethene	4.04	96	47036	20.449	ug/l	99
13) Acrolein	3.90	56	16601	91.230	ug/l	97
14) Allyl chloride	4.67	41	99271	20.292	ug/l	99
15) Acrylonitrile	5.37	53	72682	111.823	ug/l	99
16) Acetone	4.12	43	64682	80.180	ug/l	97
17) Carbon Disulfide	4.39	76	143263	19.900	ug/l	98
18) Methyl Acetate	4.67	43	44447	24.526	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	82377	22.569	ug/l	95
20) Methylene Chloride	4.92	84	59610	21.426	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	53528	21.586	ug/l	97
22) Diisopropyl ether	6.31	45	205353	22.264	ug/l	99
23) Vinyl Acetate	6.25	43	623196	107.528	ug/l	99
24) 1,1-Dichloroethane	6.21	63	107170	21.695	ug/l	98
25) 2-Butanone	7.17	43	104464	98.961	ug/l	98
26) 2,2-Dichloropropane	7.17	77	56517	18.604	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	58582	21.465	ug/l	98
28) Bromochloromethane	7.51	49	51074	23.294	ug/l #	99
29) Tetrahydrofuran	7.53	42	67819	112.396	ug/l	99
30) Chloroform	7.67	83	100438	22.039	ug/l	99
31) Cyclohexane	7.95	56	94843	20.002	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	73880	21.287	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77875	19.929	ug/l	99
37) Ethyl Acetate	7.25	43	48660	21.644	ug/l	99
38) Carbon Tetrachloride	8.07	117	66571	19.900	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	83219	19.340	ug/l	98
40) Benzene	8.32	78	224347	20.496	ug/l	100
41) Methacrylonitrile	7.48	41	31274	23.271	ug/l	95
42) 1,2-Dichloroethane	8.40	62	74339	21.693	ug/l	99
43) Isopropyl Acetate	8.42	43	87820	21.240	ug/l	99
44) Trichloroethene	9.09	130	52448	19.936	ug/l	99
45) 1,2-Dichloropropane	9.37	63	62183	21.232	ug/l	98
46) Dibromomethane	9.46	93	28643	21.428	ug/l	100
47) Bromodichloromethane	9.65	83	72449	20.662	ug/l	99
48) Methyl methacrylate	9.44	41	42180	21.237	ug/l	99
49) 1,4-Dioxane	9.45	88	8296	428.629	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	232105	107.925	ug/l	100
52) Toluene	10.39	92	136833	20.701	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73843	20.160	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	88452	20.310	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40582	21.397	ug/l	97
56) Ethyl methacrylate	10.65	69	57889	20.858	ug/l	97
57) 1,3-Dichloropropane	10.93	76	76769	21.395	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	145950	115.823	ug/l	99
59) 2-Hexanone	10.97	43	154219	101.562	ug/l	99
60) Dibromochloromethane	11.13	129	44190	20.990	ug/l	99
61) 1,2-Dibromoethane	11.24	107	38295	21.336	ug/l	98
64) Tetrachloroethene	10.86	164	45827	21.146	ug/l	95
65) Chlorobenzene	11.66	112	138880	20.754	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	49228	21.120	ug/l	99
67) Ethyl Benzene	11.73	91	260497	20.440	ug/l	100
68) m/p-Xylenes	11.84	106	188396	40.648	ug/l	100
69) o-Xylene	12.16	106	89503	20.781	ug/l	99
70) Styrene	12.18	104	155262	20.850	ug/l	100
71) Bromoform	12.35	173	25692	21.619	ug/l	98
73) Isopropylbenzene	12.46	105	241546	19.996	ug/l	100
74) N-amyl acetate	12.27	43	79431	21.003	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48782	21.469	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	42177m	24.618	ug/l	
77) Bromobenzene	12.74	156	56515	21.167	ug/l	99
78) n-propylbenzene	12.80	91	291415	19.823	ug/l	99
79) 2-Chlorotoluene	12.89	91	172550	20.374	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	206583	20.402	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14108	18.978	ug/l	95
82) 4-Chlorotoluene	12.99	91	181722	20.451	ug/l	99
83) tert-Butylbenzene	13.21	119	172394	20.359	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	210701	20.657	ug/l	99
85) sec-Butylbenzene	13.38	105	240608	19.914	ug/l	100
86) p-Isopropyltoluene	13.50	119	217839	19.872	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	105417	20.136	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	105097	20.181	ug/l	99
89) n-Butylbenzene	13.82	91	206831	18.906	ug/l	99
90) Hexachloroethane	14.09	117	39384	20.317	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	96770	20.899	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8124	20.967	ug/l	98

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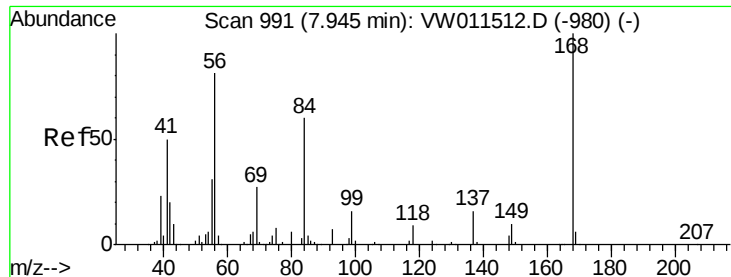
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	63838	19.563	ug/l	99
94) Hexachlorobutadiene	15.24	225	39640	19.479	ug/l	97
95) Naphthalene	15.36	128	117579	19.700	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	57050	19.944	ug/l	99

(#) = 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. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0803SBS01

Tot Ion:168 Resp: 220857

Ion Ratio Lower Upper

168 100

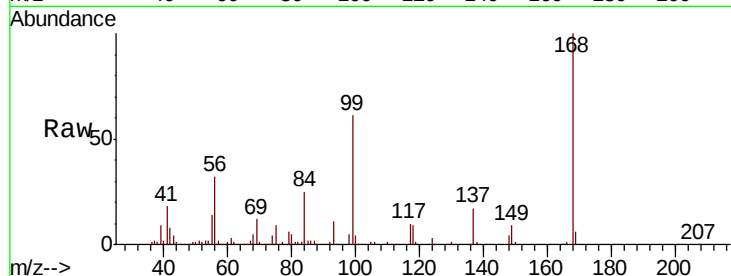
99 60.8 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

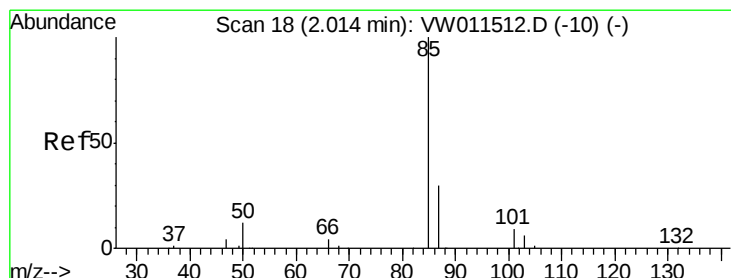
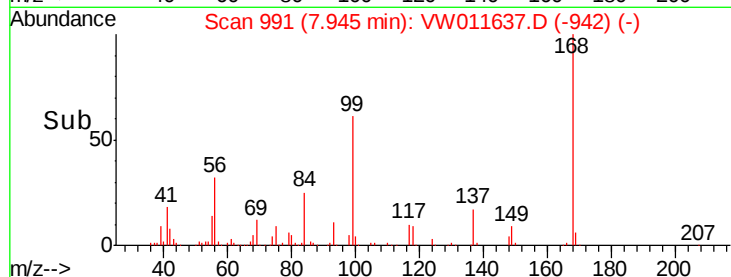
20000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 25.107 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011637.D

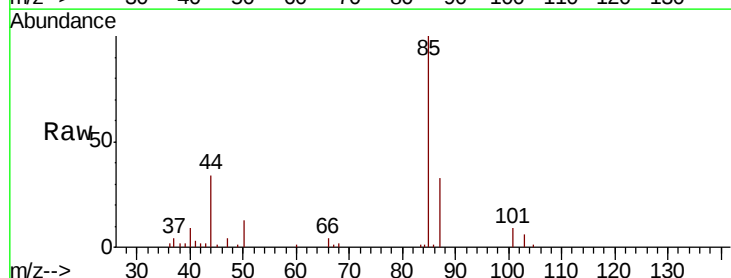
Acq: 02 Aug 2019 23:58

Tgt Ion: 85 Resp: 30903

Ion Ratio Lower Upper

85 100

87 33.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

4000

2000

0

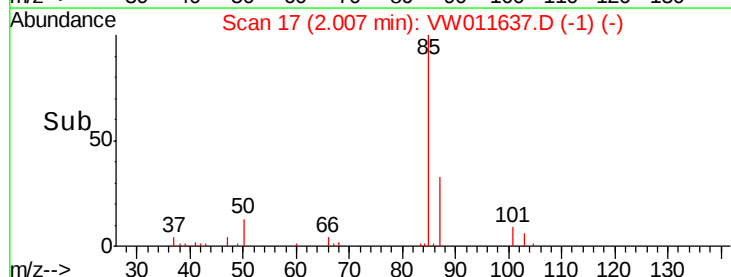
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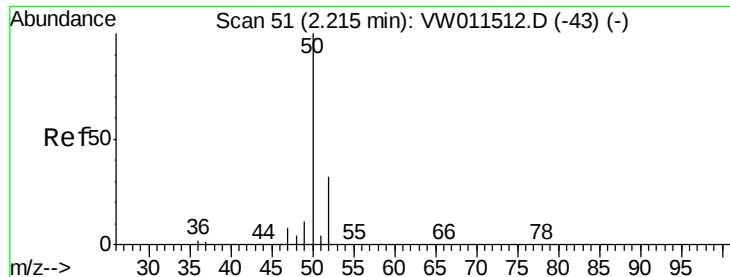
2.00

2.10

2.20

Time-->





#3

Chloromethane

Concen: 20.415 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0803SBS01

Tot Ion: 50 Resp: 43573

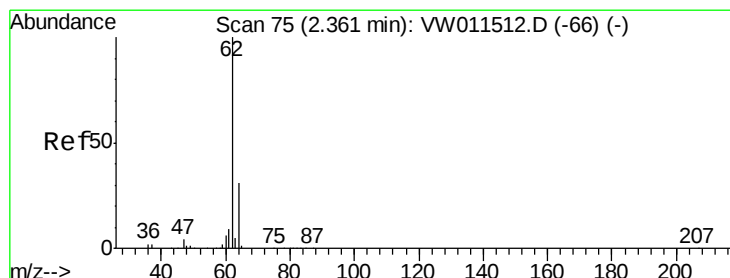
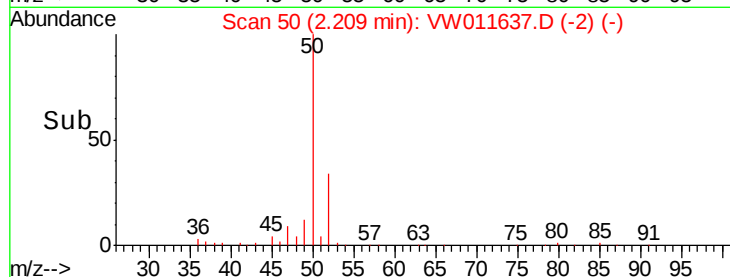
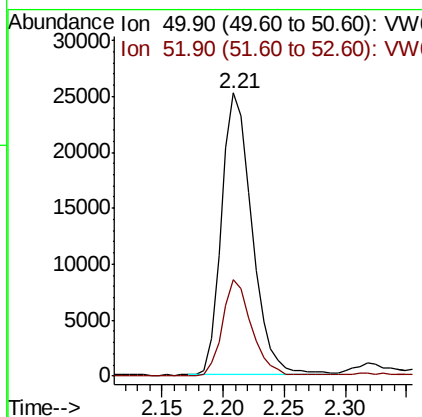
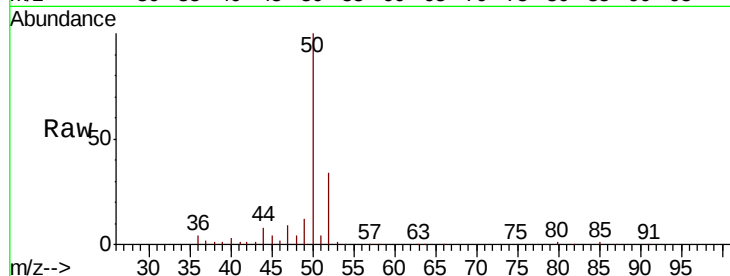
Ion Ratio Lower Upper

50 100

52 34.2 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.757 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW011637.D

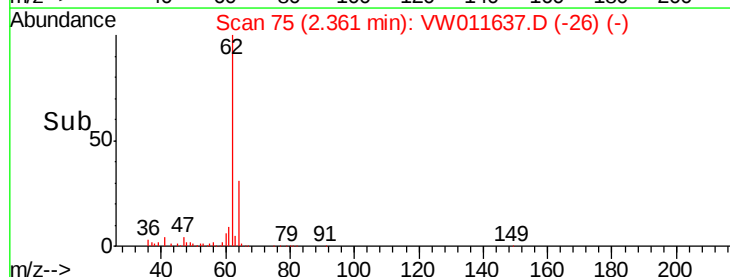
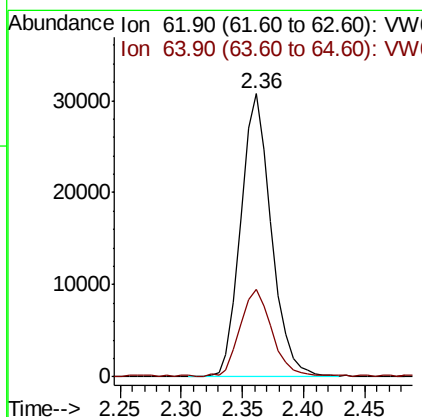
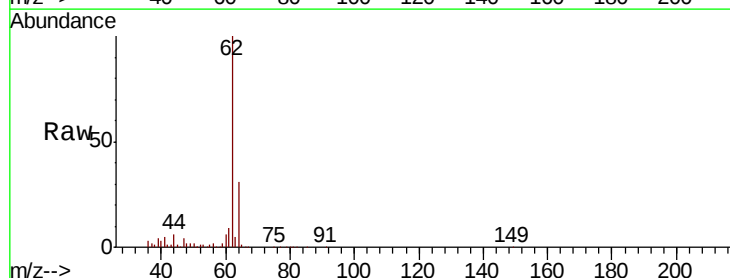
Acq: 02 Aug 2019 23:58

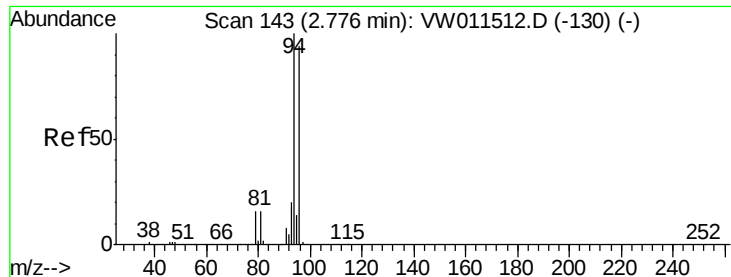
Tgt Ion: 62 Resp: 53338

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.4





#5

Bromomethane

Concen: 20.629 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0803SBSD01

Tot Ion: 94 Resp: 29341

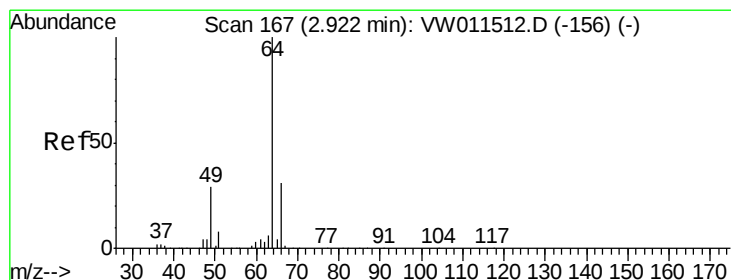
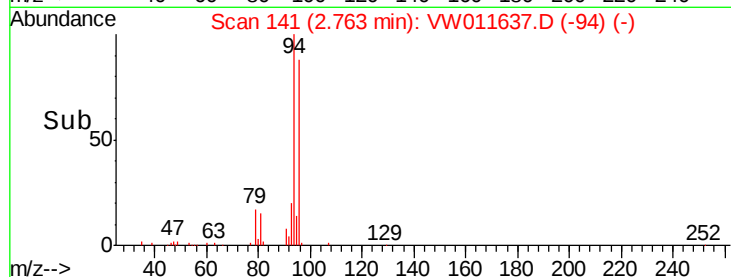
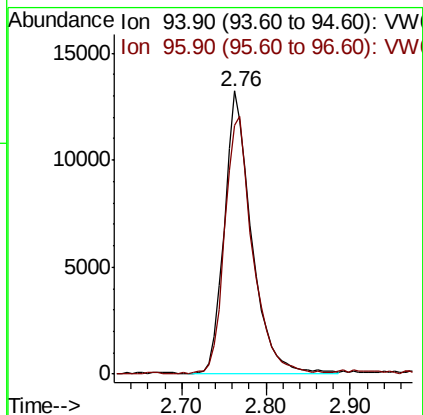
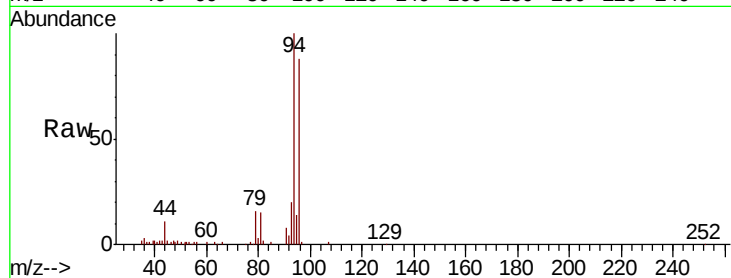
Ion Ratio Lower Upper

94 100

96 87.9 75.0 112.6

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#6

Chloroethane

Concen: 20.137 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011637.D

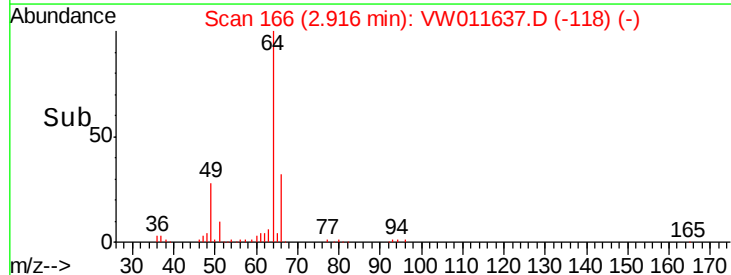
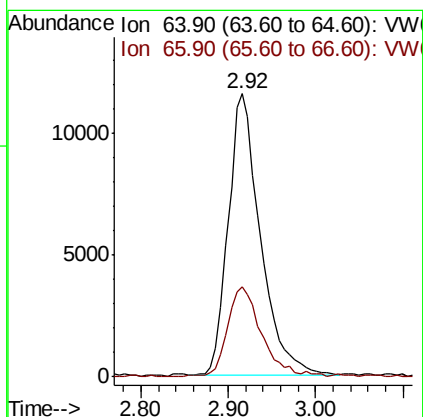
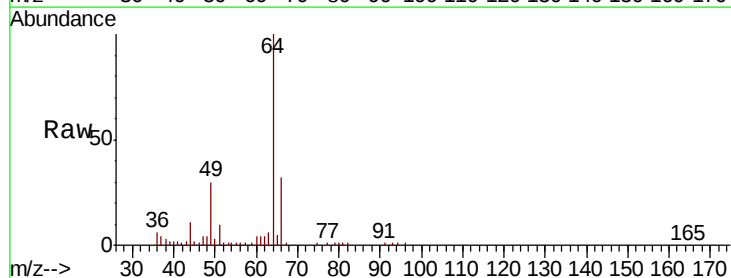
Acq: 02 Aug 2019 23:58

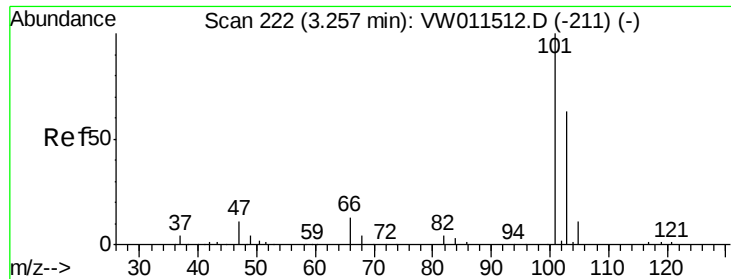
Tgt Ion: 64 Resp: 29557

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8





#7

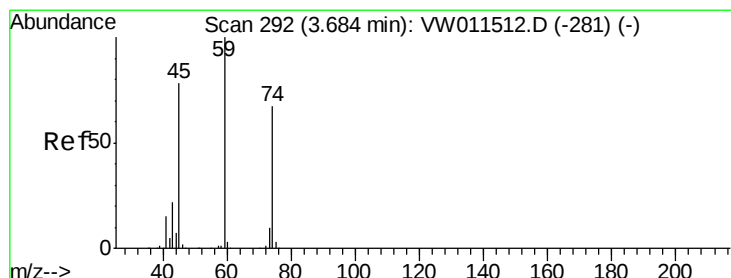
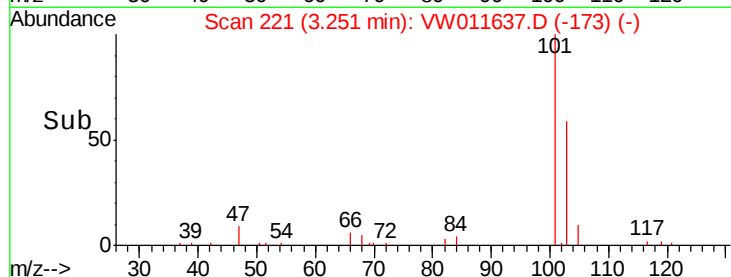
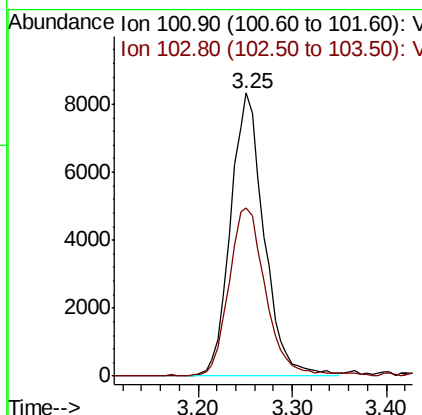
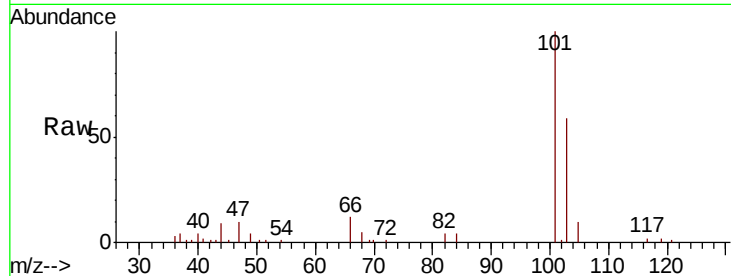
Trichlorofluoromethane
Concen: 17.895 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

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ClientSampleId :
VW0803SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.3	50.2	75.4

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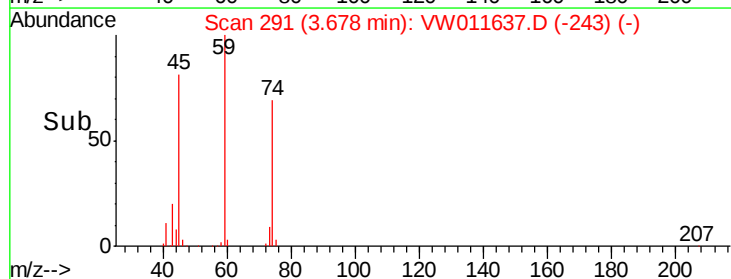
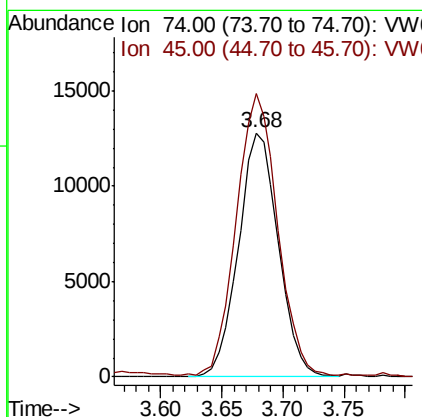
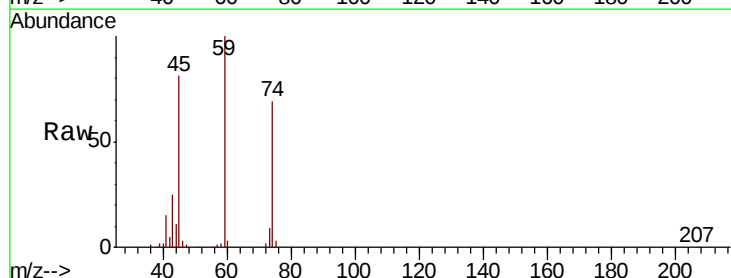
MMDadoda
8/6/2019 9:20:04 AM

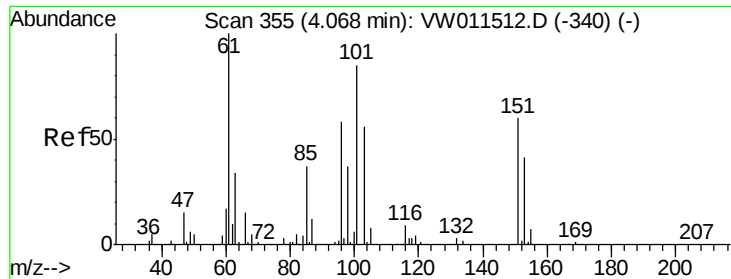


#8

Diethyl Ether
Concen: 22.337 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.2	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.103 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

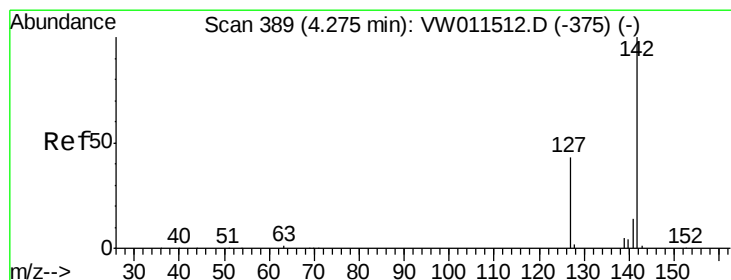
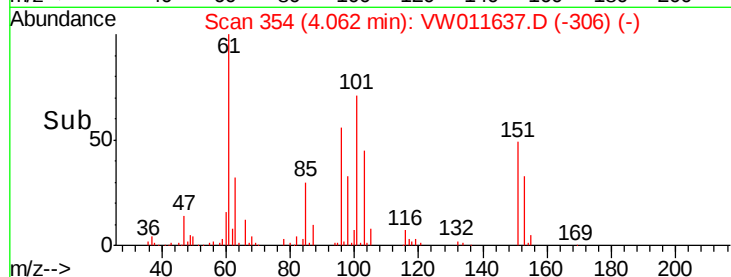
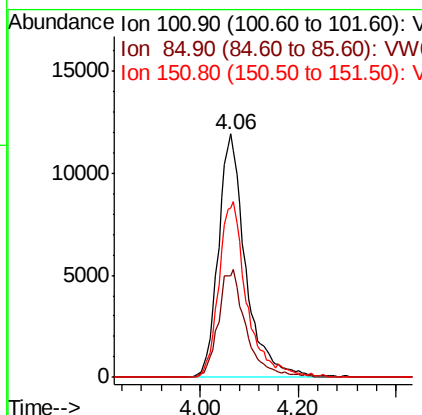
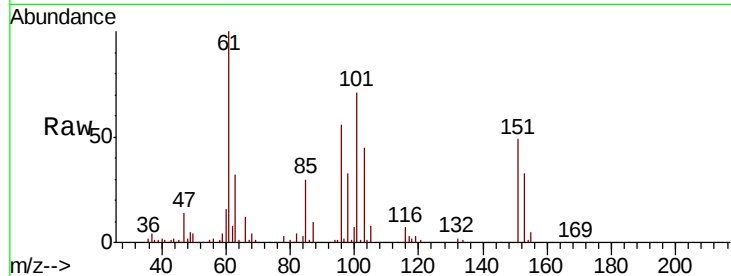
ClientSampleId :

VW0803SBS01

Tot Ion:	101	Resp:	45972
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.6	54.8
151	73.9	60.2	90.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.377 ug/l

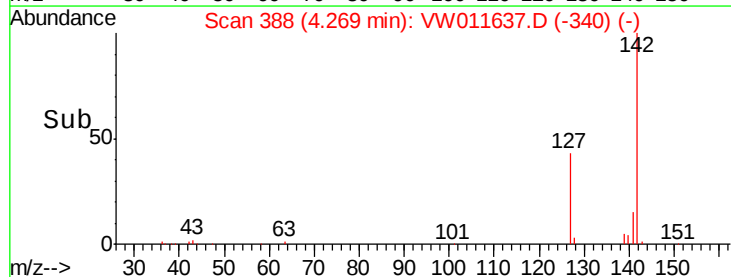
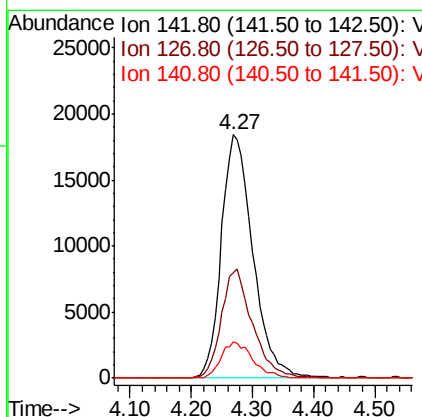
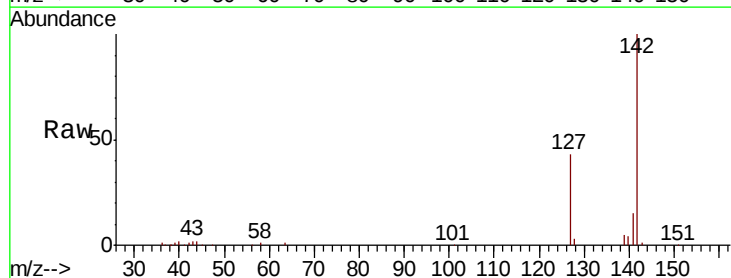
RT: 4.27 min Scan# 388

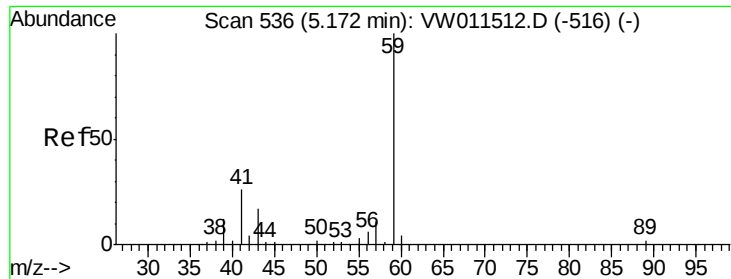
Delta R.T. -0.01 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Tgt Ion:	142	Resp:	65810
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.0	52.6
141	15.1	11.9	17.9





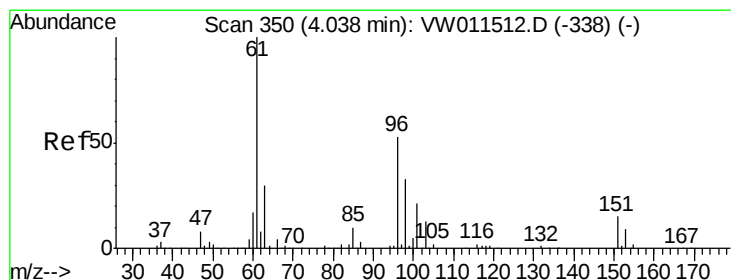
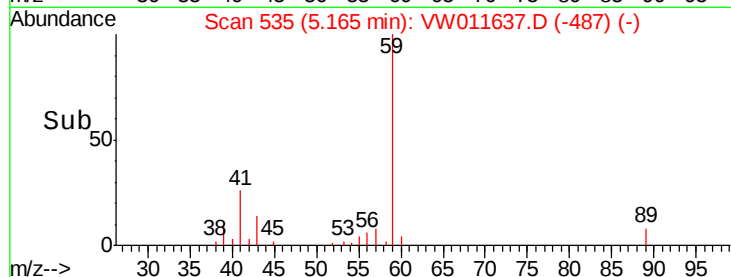
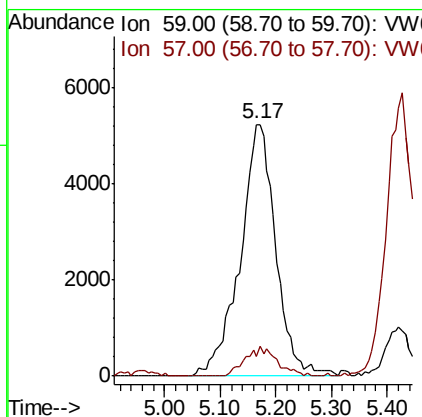
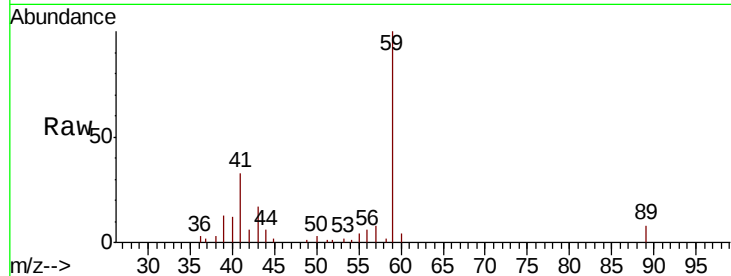
#11
Tert butyl alcohol
Concen: 115.232 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

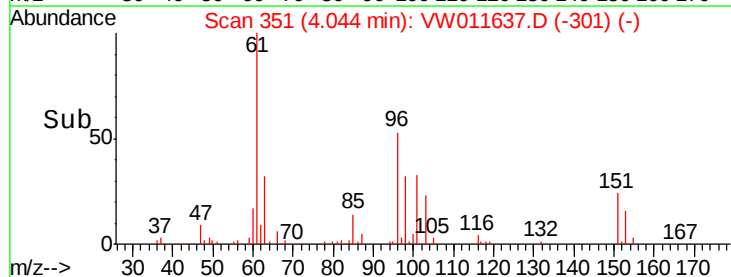
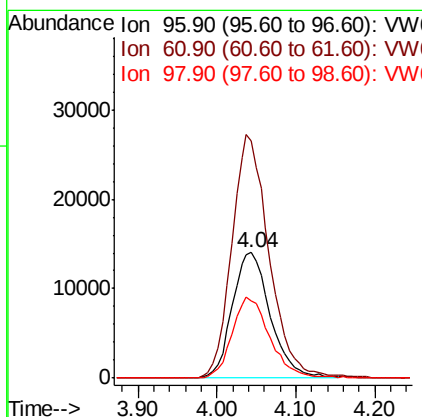
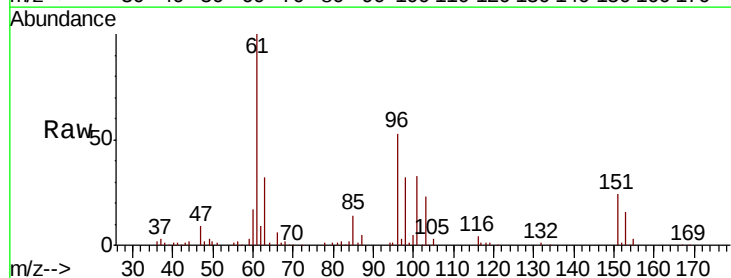
Manual Integrations
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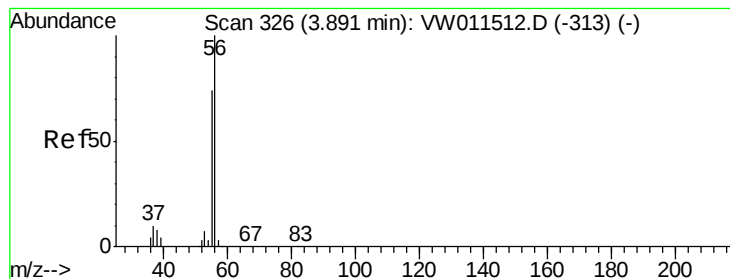
MMDadoda
8/6/2019 9:20:04 AM



#12
1,1-Dichloroethene
Concen: 20.449 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.2	149.9	224.9
98	61.1	49.1	73.7





#13

Acrolein

Concen: 91.230 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0803SBS01

Tot Ion: 56 Resp: 16601

Ion Ratio Lower Upper

56 100

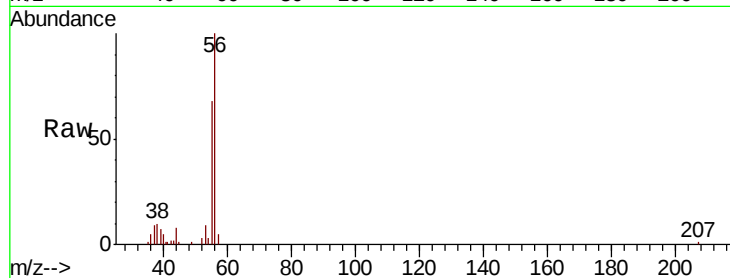
55 72.4 56.0 84.0

Manual Integrations

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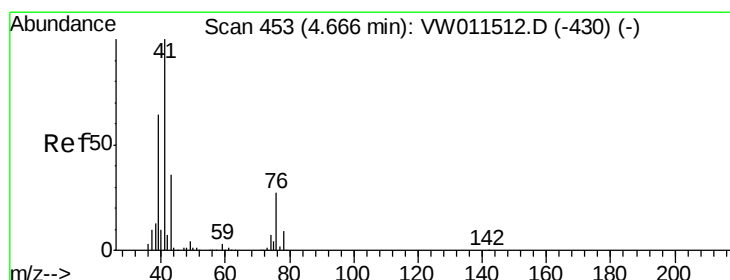
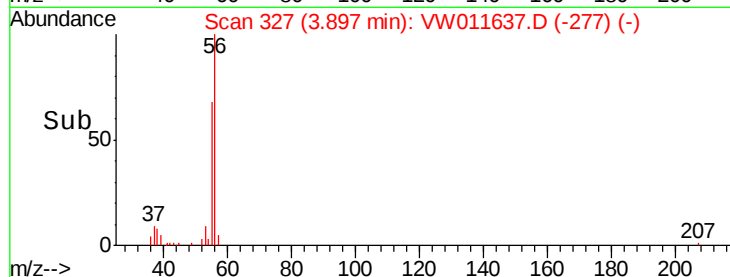
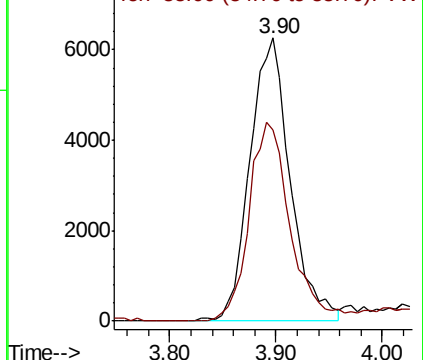
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.292 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

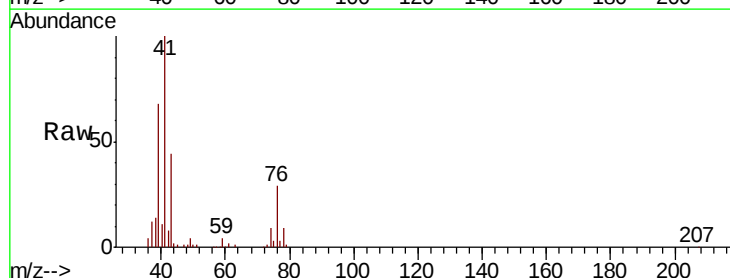
Tgt Ion: 41 Resp: 99271

Ion Ratio Lower Upper

41 100

39 66.3 52.6 78.8

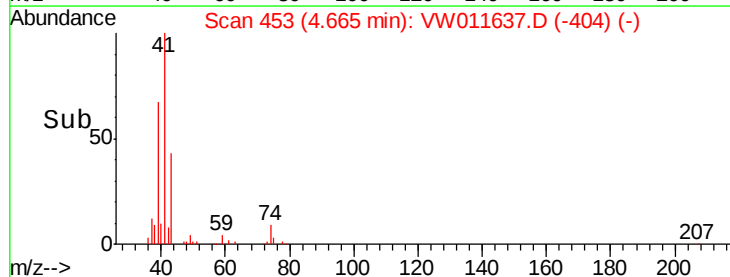
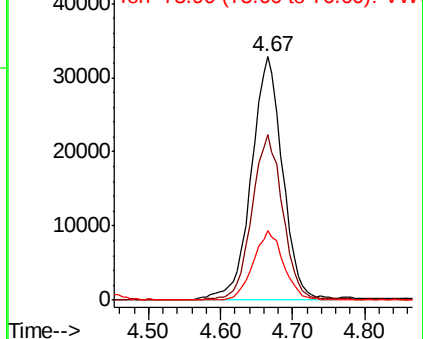
76 27.4 22.0 33.0

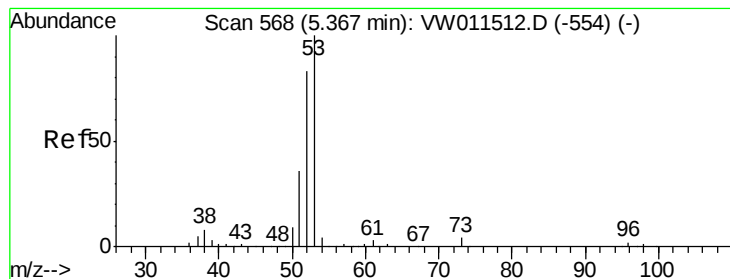


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 111.823 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

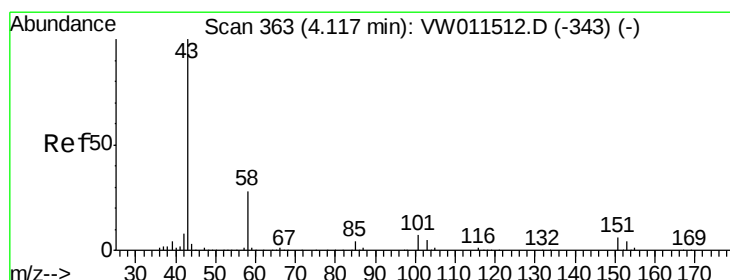
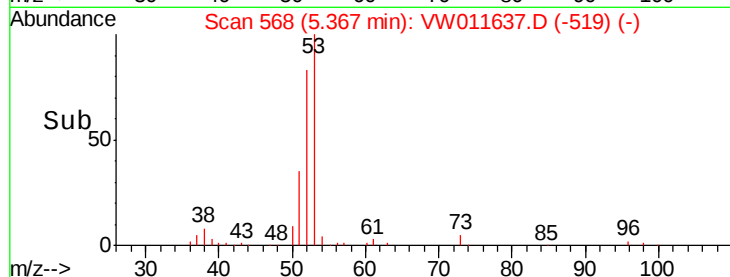
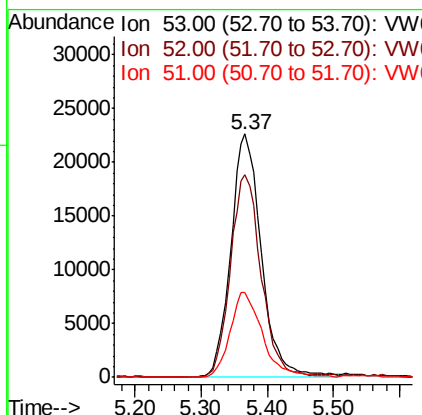
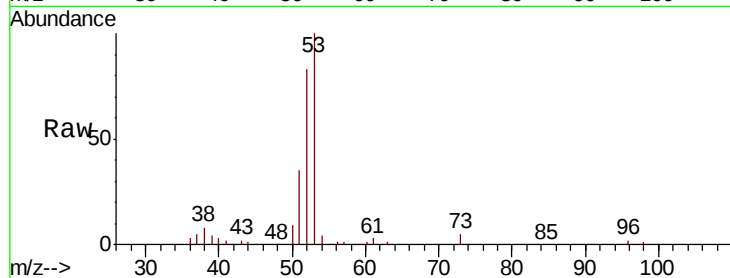
ClientSampleId :

VW0803SBS01

Tot Ion:	53	Resp:	72682
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.2	100.8
51	37.0	30.0	45.0

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#16

Acetone

Concen: 80.180 ug/l

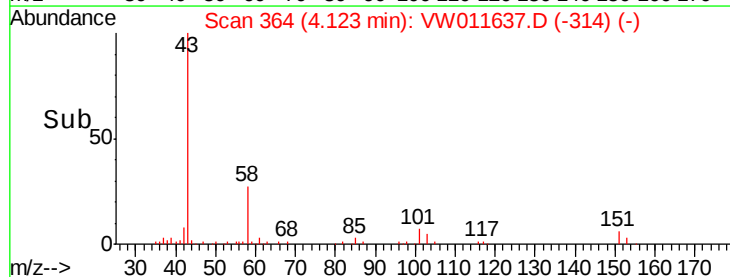
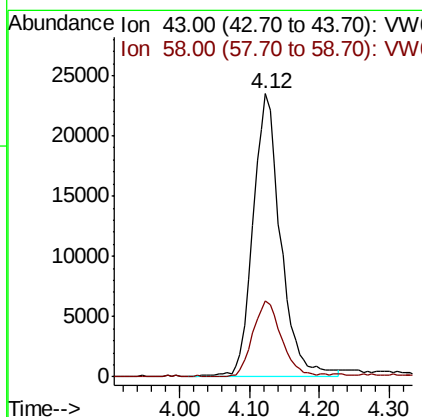
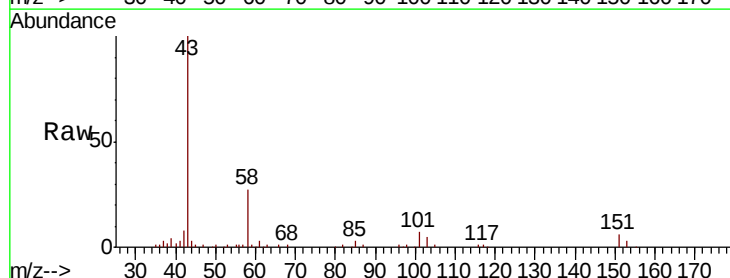
RT: 4.12 min Scan# 364

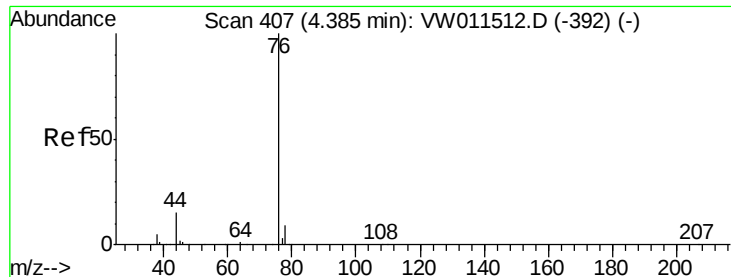
Delta R.T. 0.01 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Tgt Ion:	43	Resp:	64682
Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.3	33.5





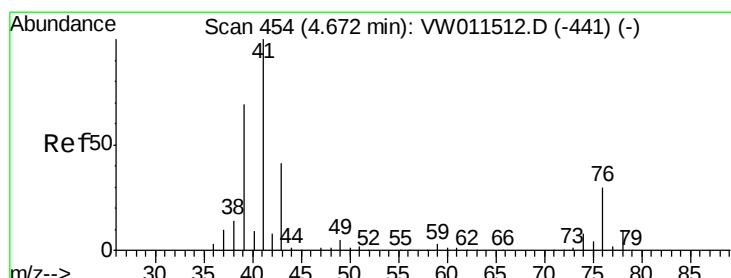
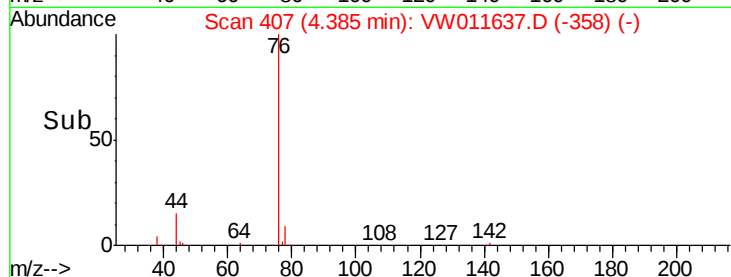
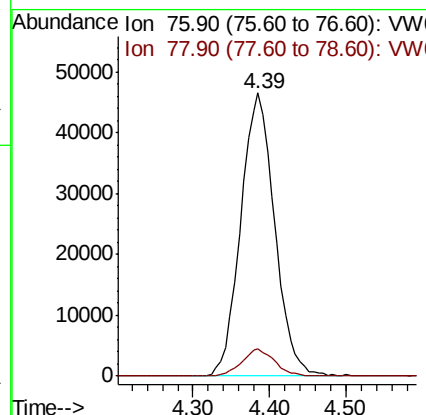
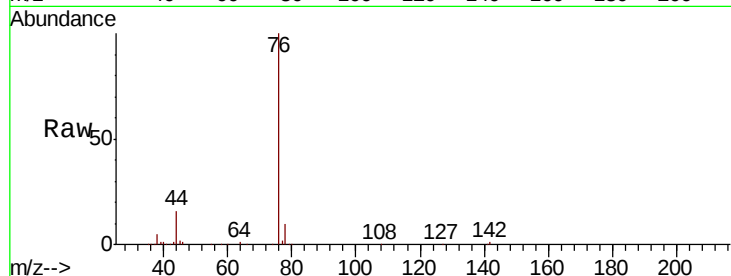
#17
Carbon Disulfide
Concen: 19.900 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampled :
VW0803SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7

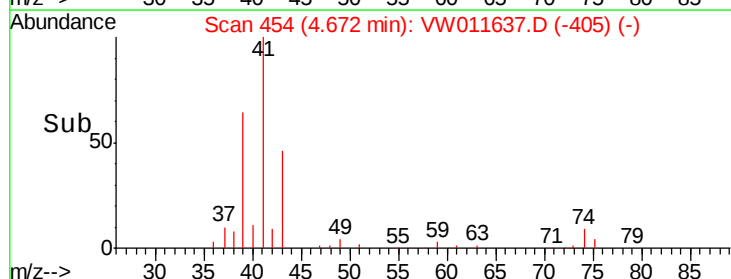
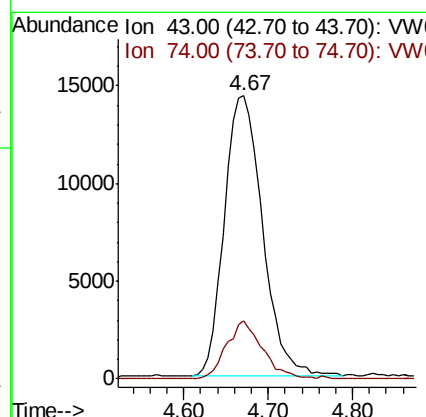
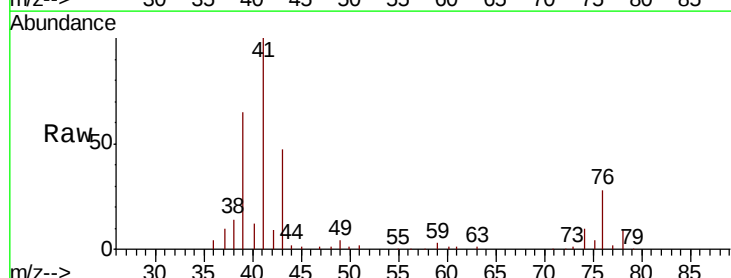
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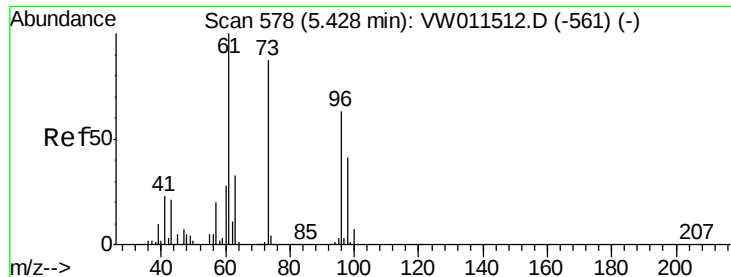
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#18
Methyl Acetate
Concen: 24.526 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.9	23.9





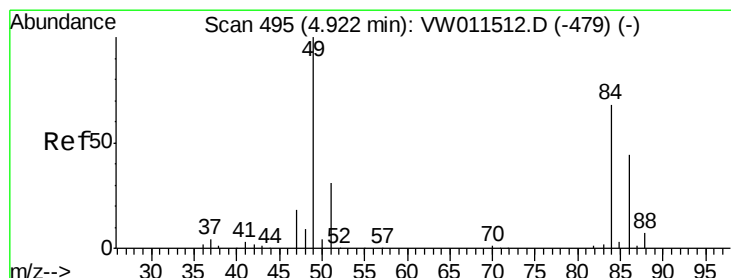
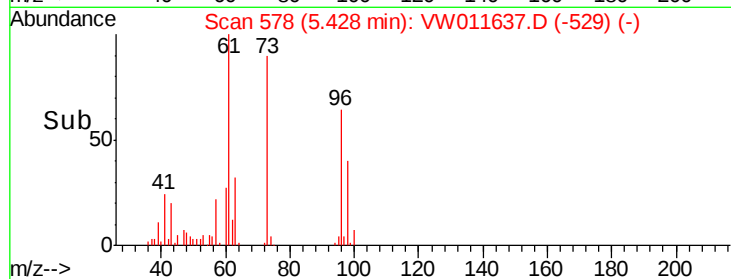
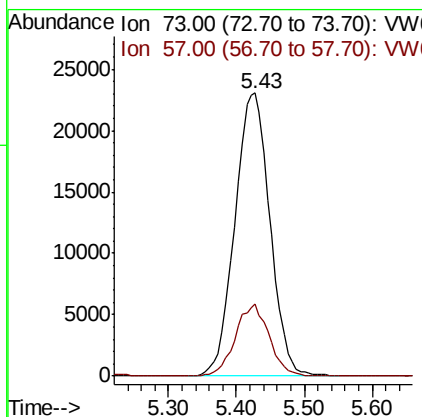
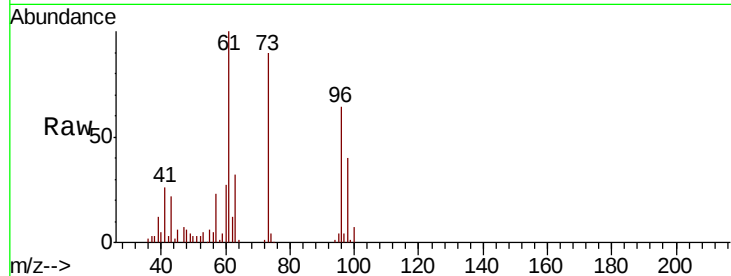
#19
Methyl tert-butyl Ether
Concen: 22.569 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.5	18.4	27.6

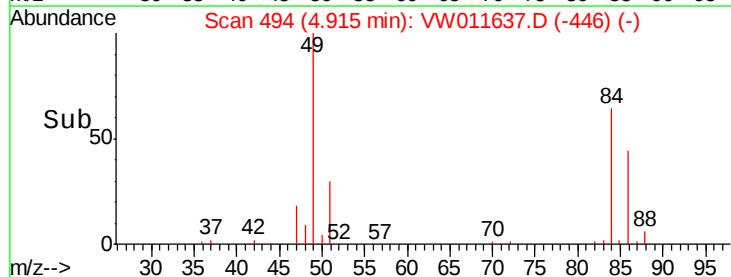
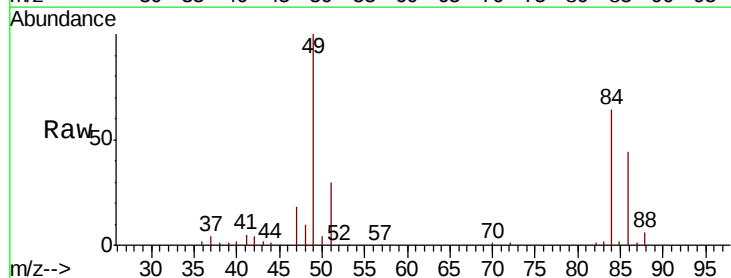
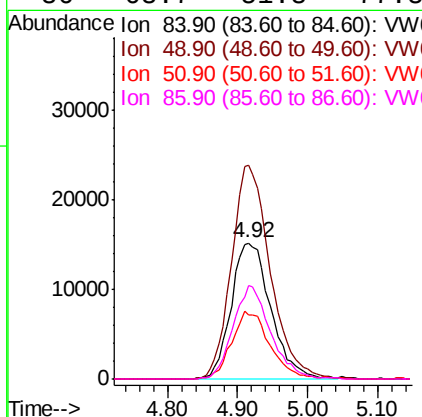
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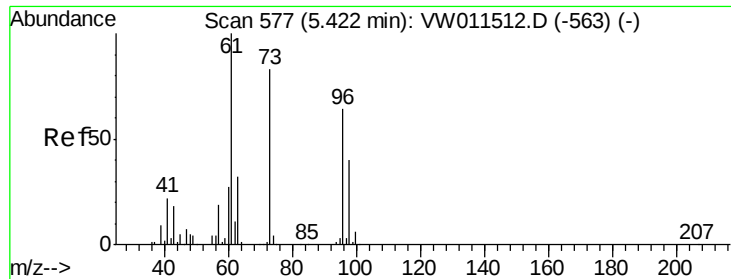
MMDadoda
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#20
Methylene Chloride
Concen: 21.426 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.2	117.8	176.6
51	47.4	37.0	55.4
86	68.7	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 21.586 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

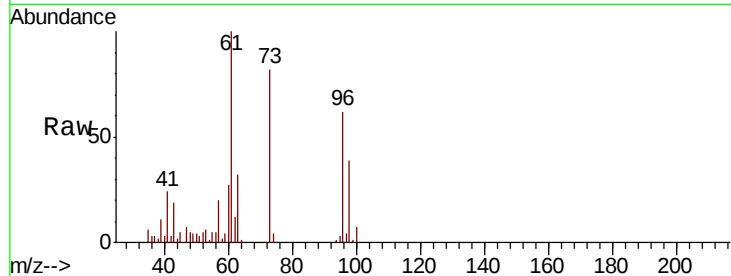
ClientSampleId :

VW0803SBS01

Tot Ion:	96	Resp:	53528
Ion	Ratio	Lower	Upper
96	100		
61	162.3	125.7	188.5
98	63.8	50.3	75.5

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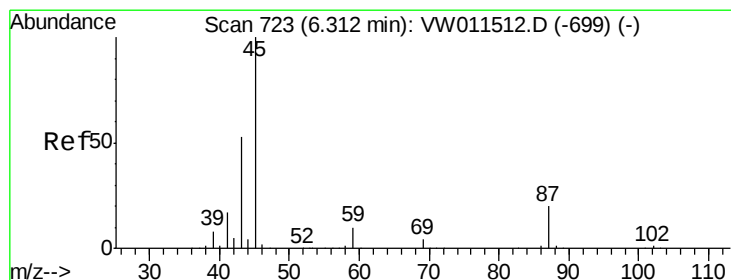
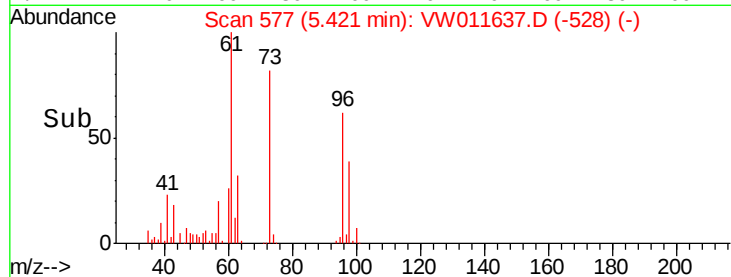
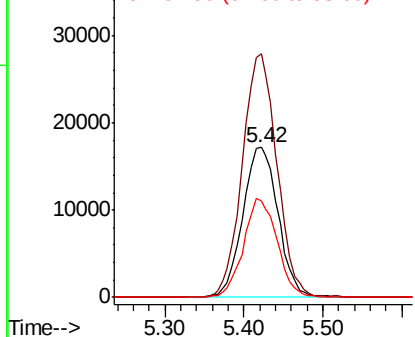


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 22.264 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Tgt Ion:	45	Resp:	205353
Ion	Ratio	Lower	Upper
45	100		
43	53.9	42.6	63.8
87	20.9	16.4	24.6
59	10.4	8.2	12.2

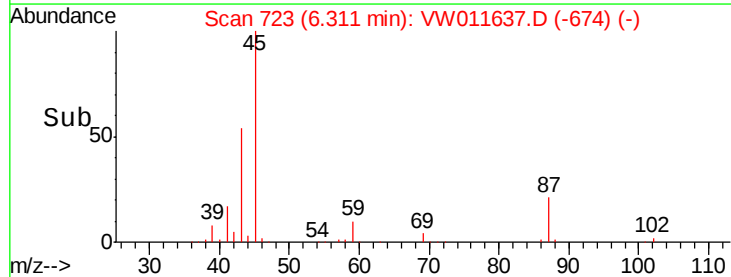
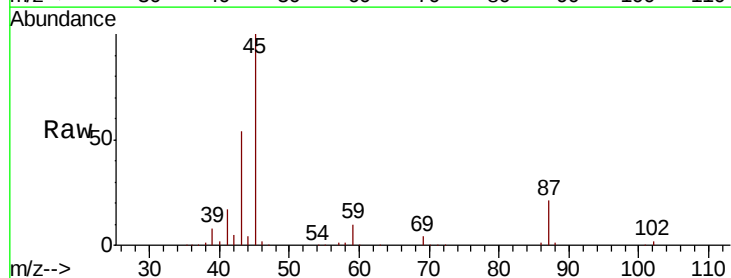
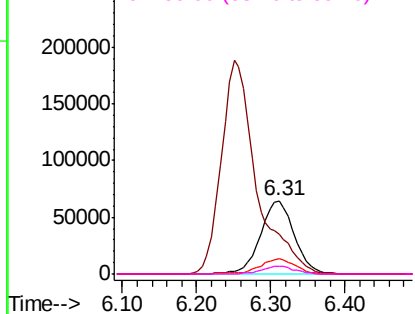
Abundance

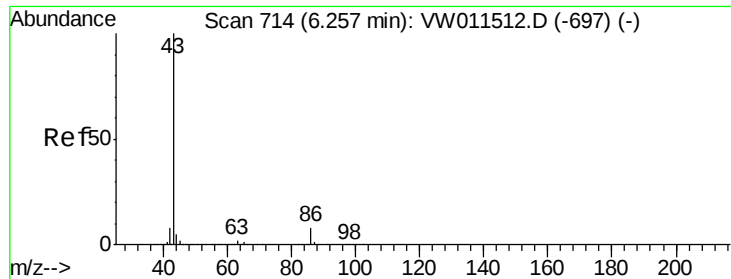
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 107.528 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0803SBS01

Tot Ion: 43 Resp: 623196

Ion Ratio Lower Upper

43 100

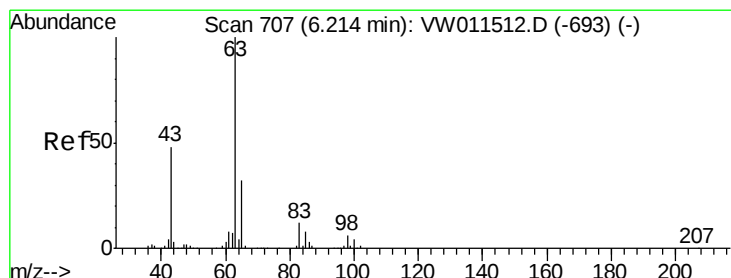
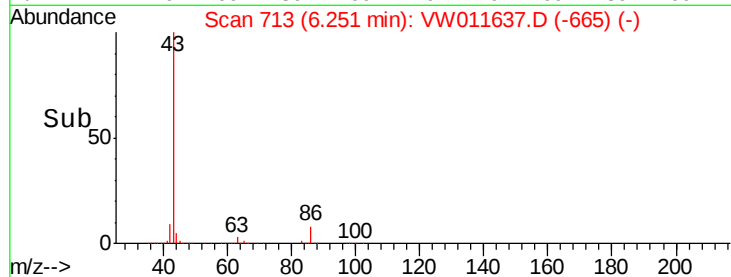
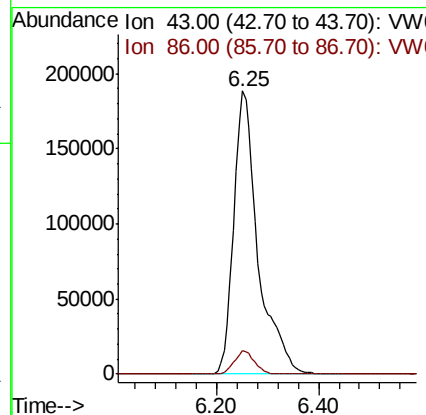
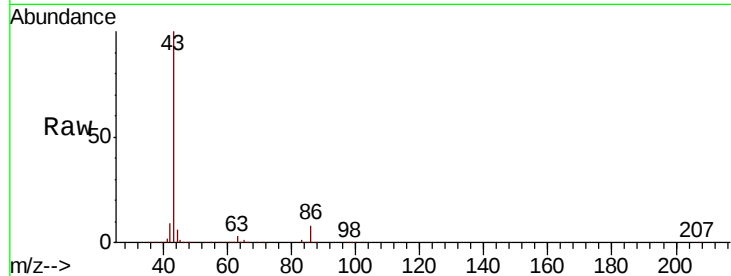
86 8.3 6.5 9.7

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#24

1,1-Dichloroethane

Concen: 21.695 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

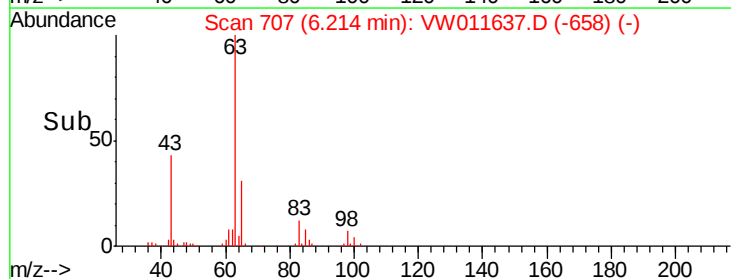
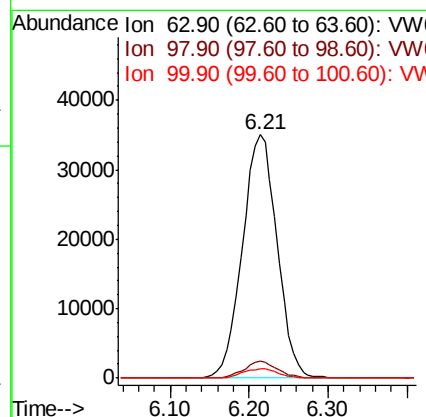
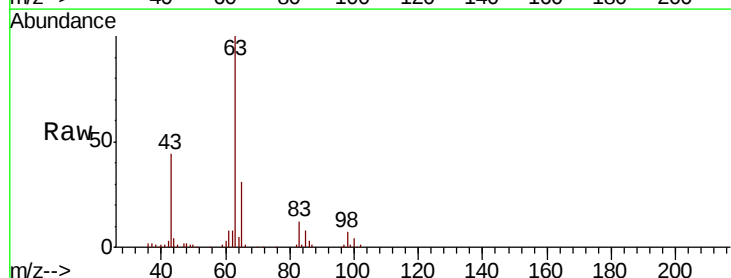
Tgt Ion: 63 Resp: 107170

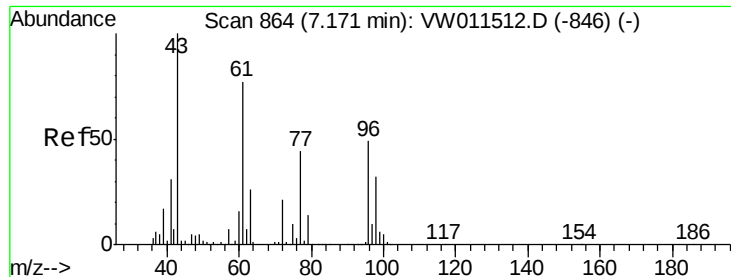
Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.8

100 4.1 2.1 6.3





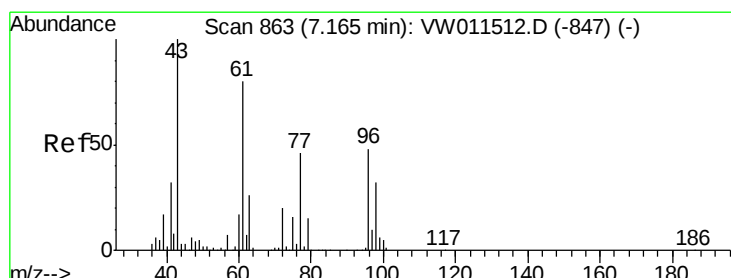
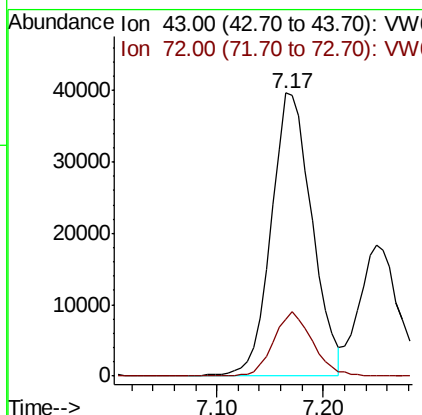
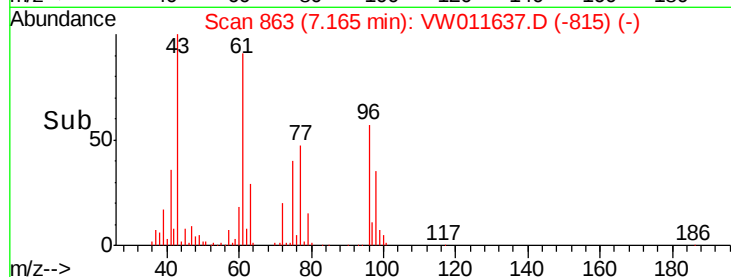
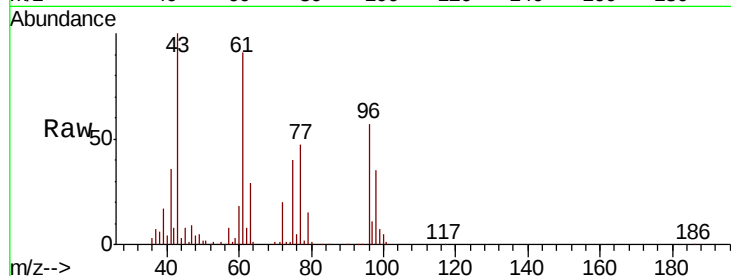
#25
2-Butanone
Concen: 98.961 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion: 43 Resp: 104464
Ion Ratio Lower Upper
43 100
72 19.9 16.6 24.8

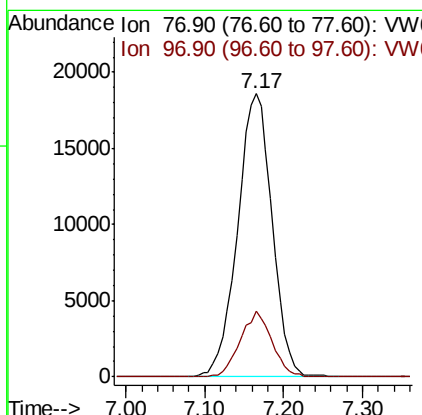
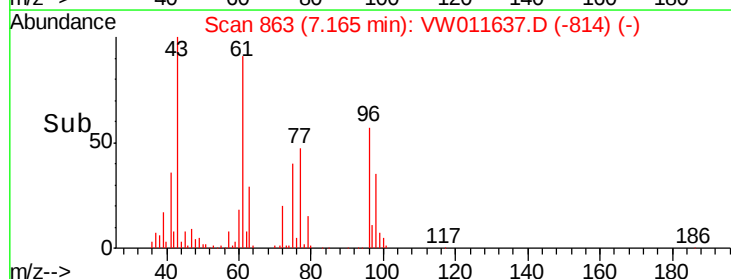
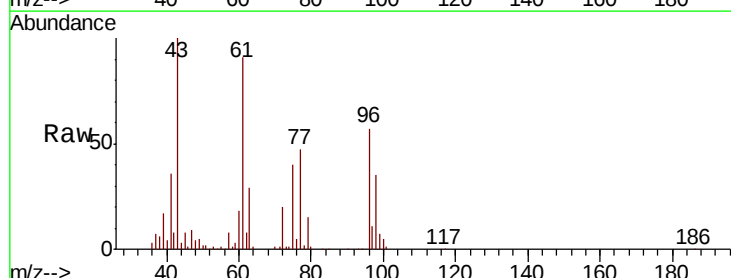
Manual Integrations
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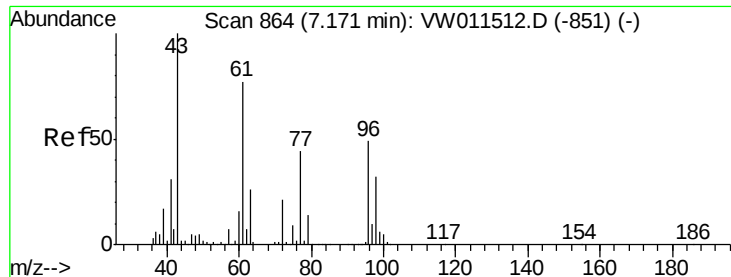
MMDadoda
8/6/2019 9:20:04 AM



#26
2,2-Dichloropropane
Concen: 18.604 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion: 77 Resp: 56517
Ion Ratio Lower Upper
77 100
97 21.2 10.8 32.4





#27

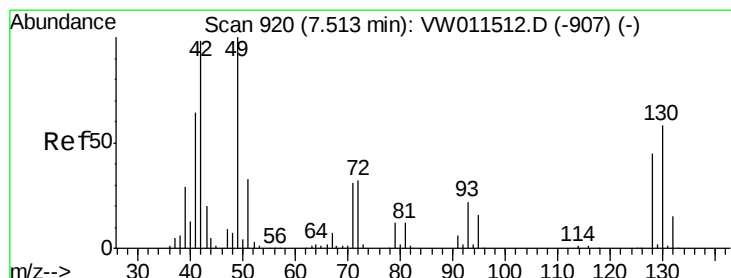
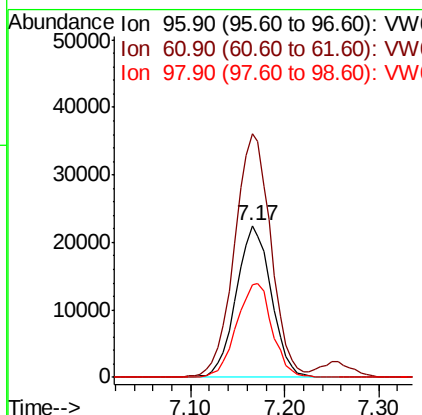
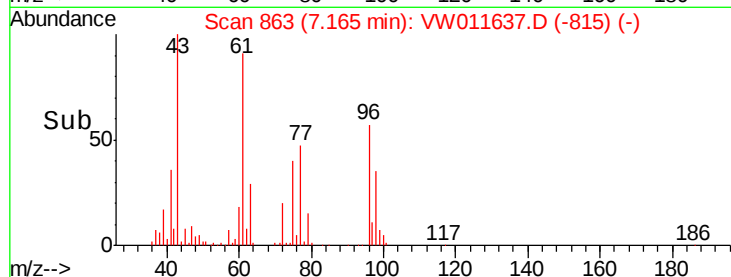
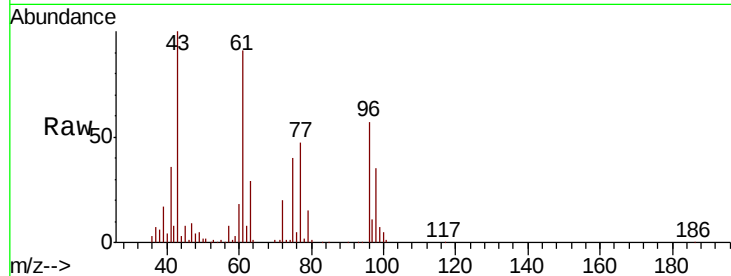
cis-1,2-Dichloroethene
Concen: 21.465 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.7	0.0	328.4
98	62.4	0.0	128.8

Manual Integrations
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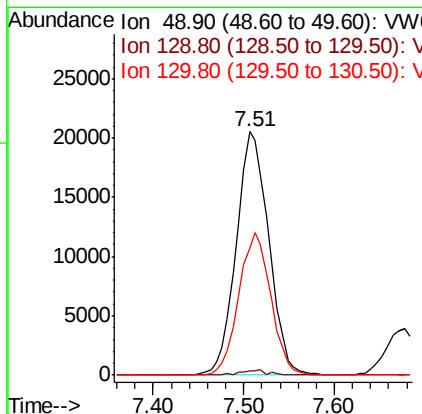
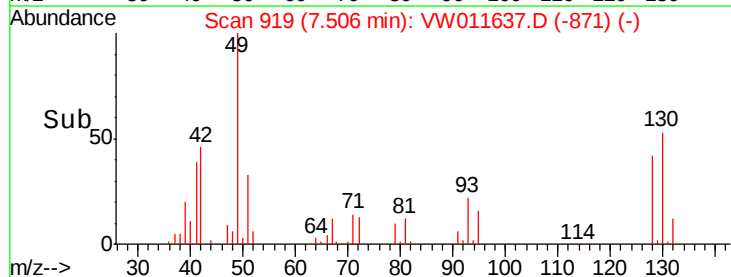
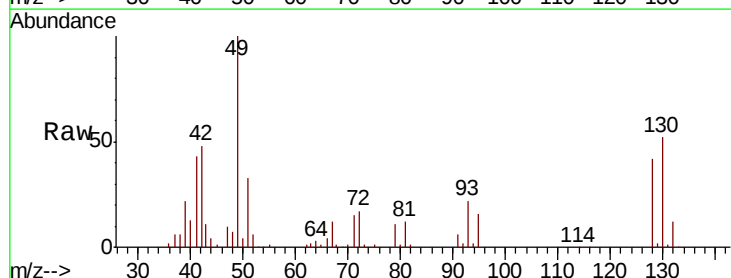
MMDadoda
8/6/2019 9:20:04 AM

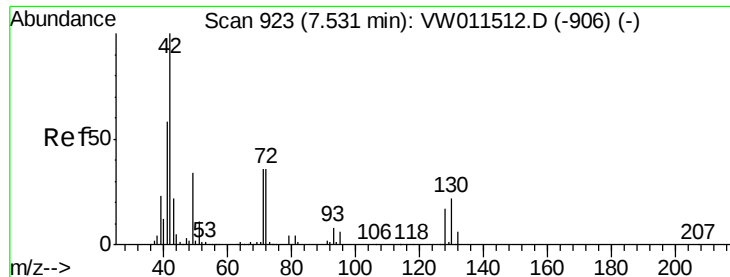


#28

Bromochloromethane
Concen: 23.294 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	1.0#
130	57.3	46.3	69.5





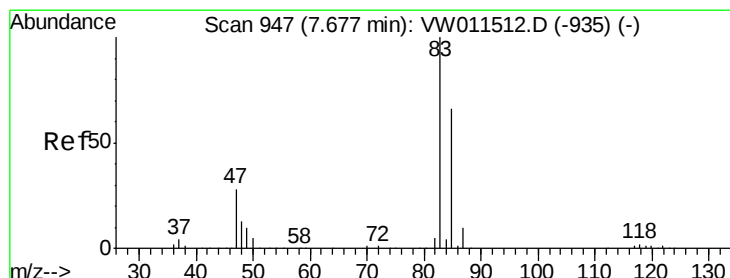
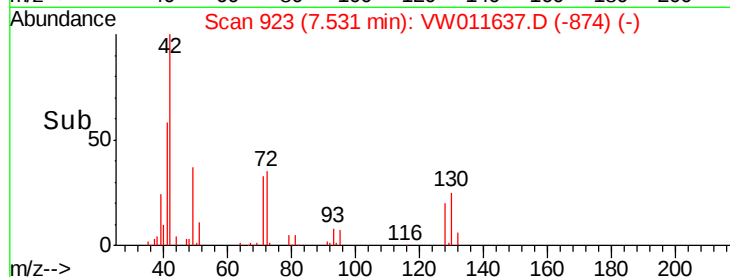
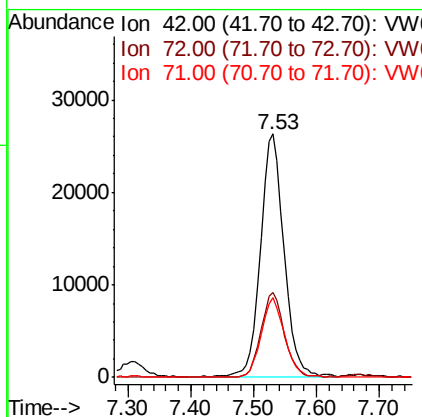
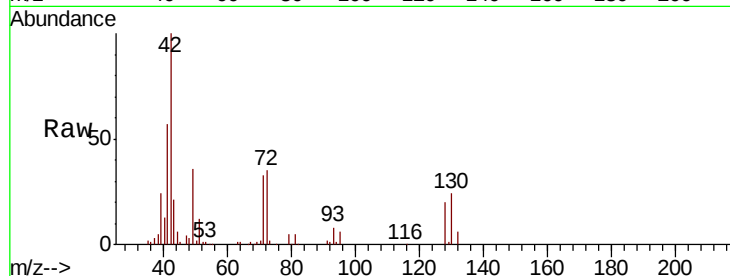
#29
Tetrahydrofuran
Concen: 112.396 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion:	42	Resp:	67819
Ion	Ratio	Lower	Upper
42	100		
72	34.8	27.1	40.7
71	32.7	26.2	39.4

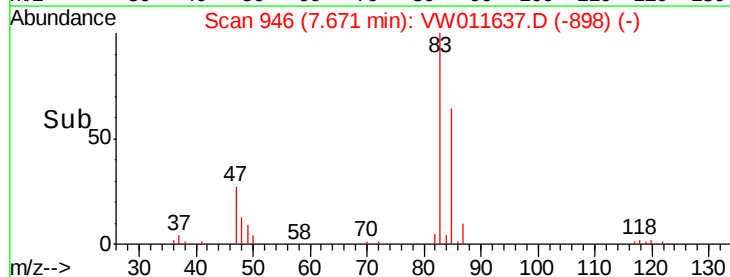
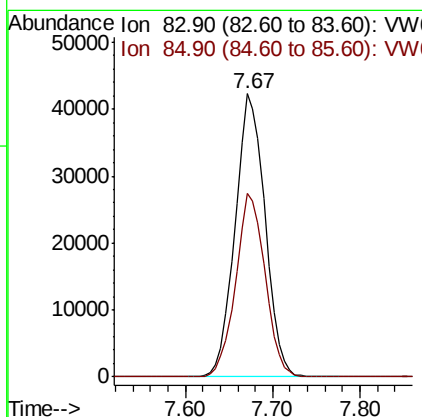
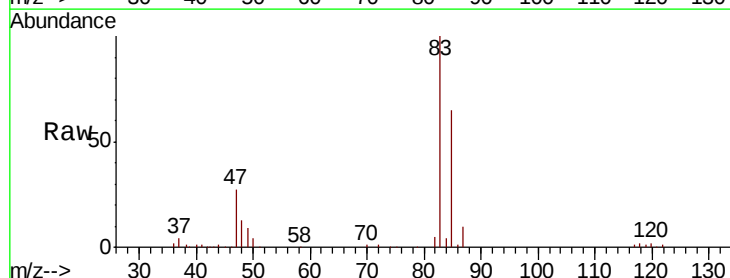
Manual Integrations
APPROVED

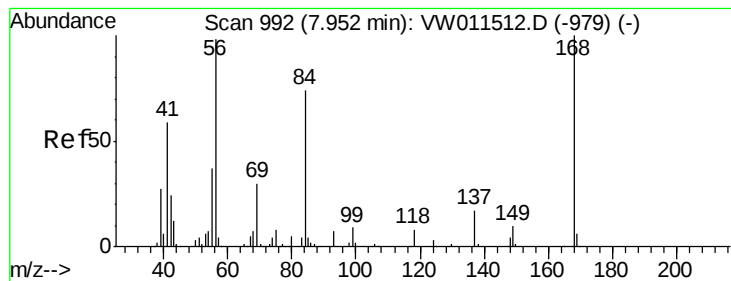
MMDadoda
8/6/2019 9:20:04 AM



#30
Chloroform
Concen: 22.039 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion:	83	Resp:	100438
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.5	78.7





#31

Cyclohexane

Concen: 20.002 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

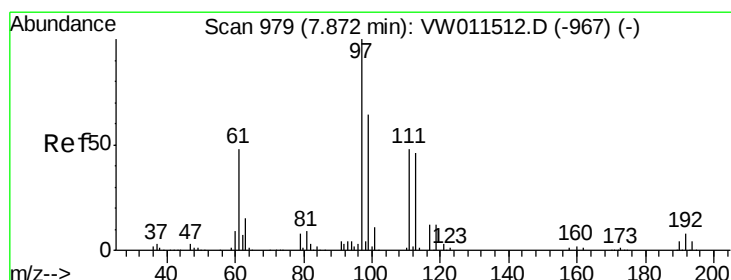
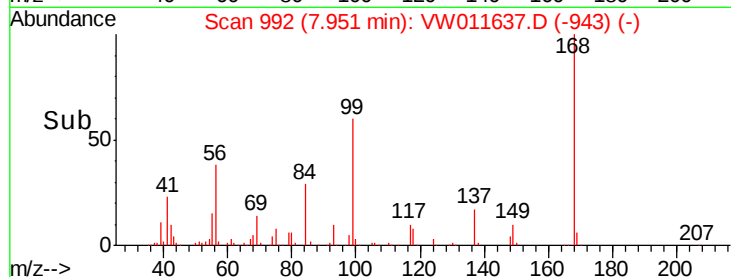
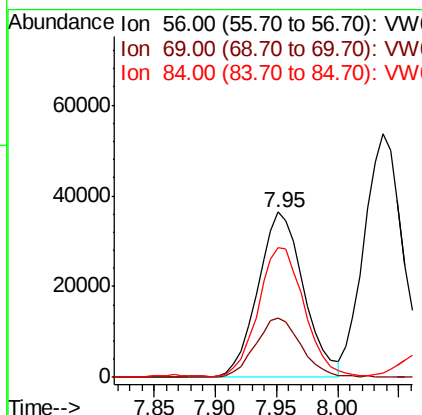
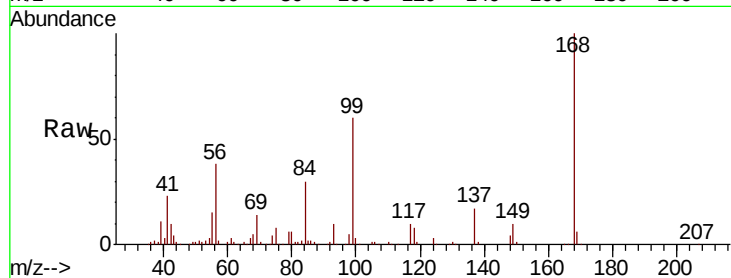
ClientSampleID :

VW0803SBSD01

Tot Ion:	56	Resp:	94843
Ion Ratio	Lower	Upper	
56	100		
69	36.2	24.3	36.5
84	77.5	60.4	90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.287 ug/l

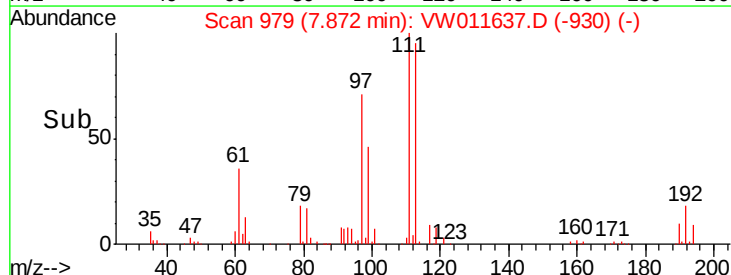
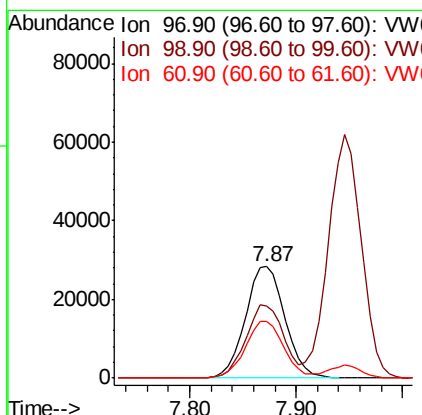
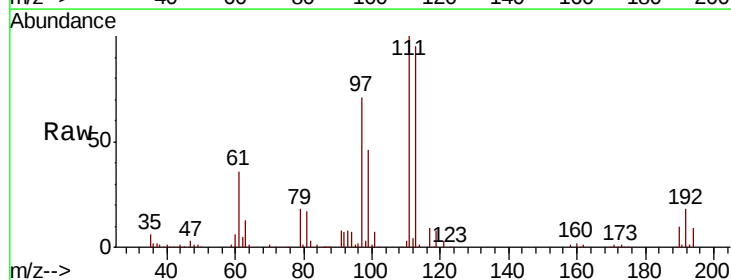
RT: 7.87 min Scan# 979

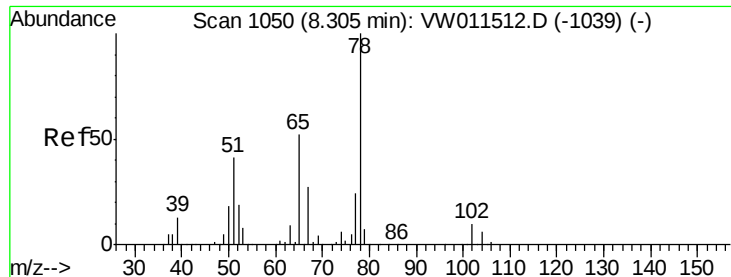
Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Tgt Ion:	97	Resp:	73880
Ion Ratio	Lower	Upper	
97	100		
99	62.8	51.0	76.6
61	49.7	39.8	59.6





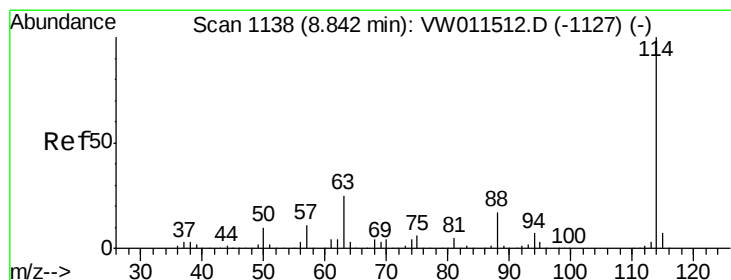
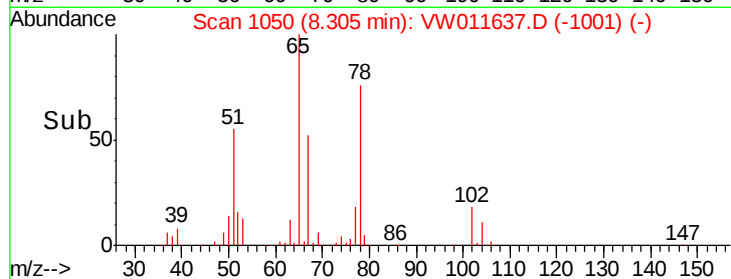
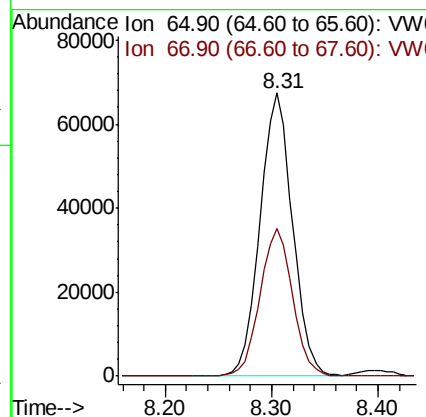
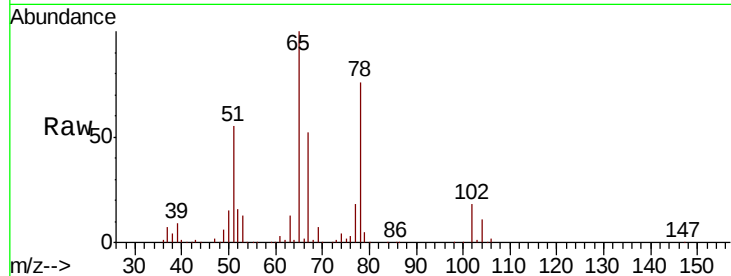
#33
 1,2-Dichloroethane-d4
 Concen: 56.874 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144235		
67	52.6	0.0	105.2	

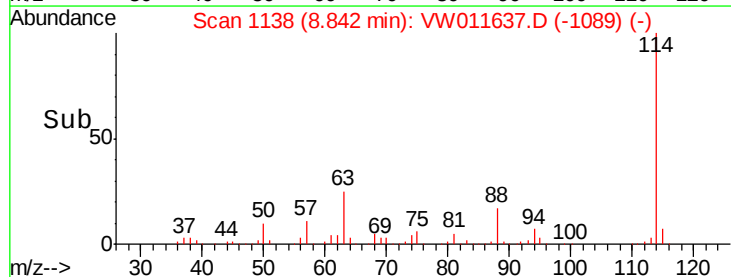
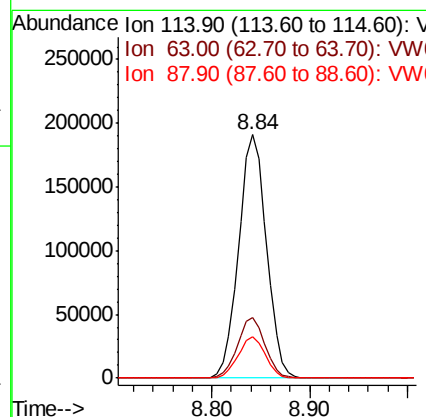
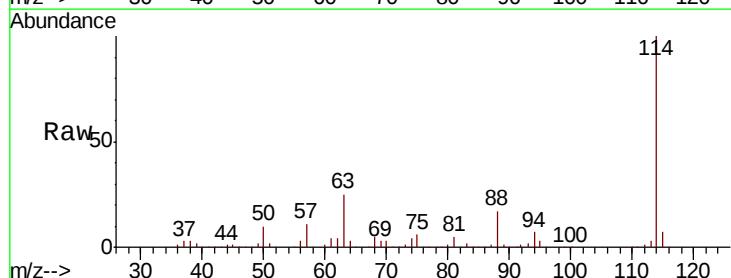
Manual Integrations
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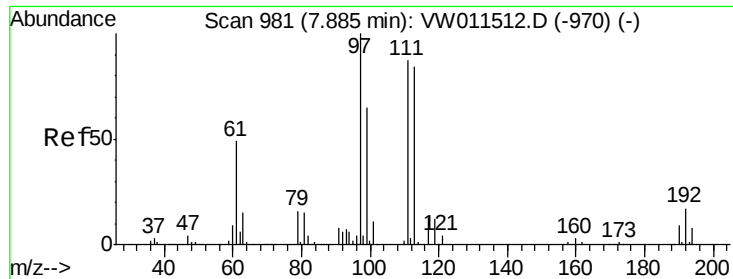
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	375806		
63	24.7	0.0	49.2	
88	16.9	0.0	33.8	





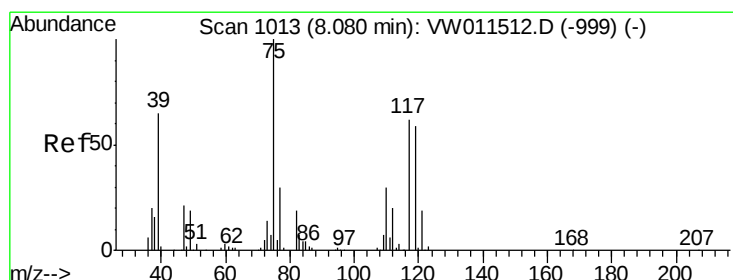
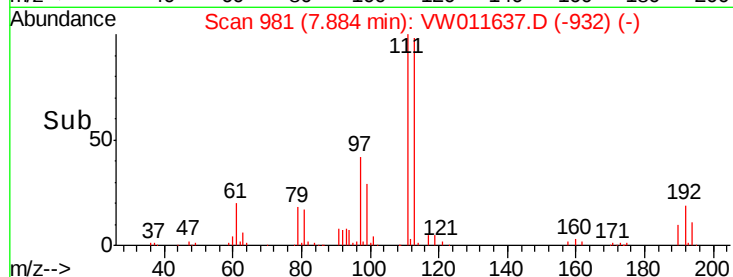
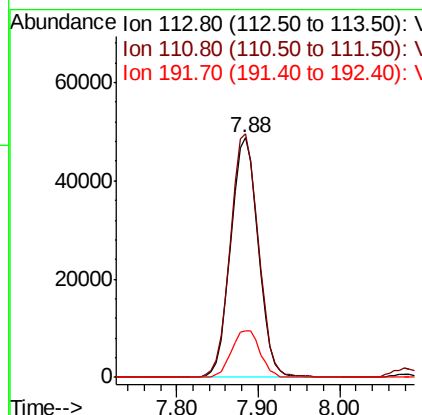
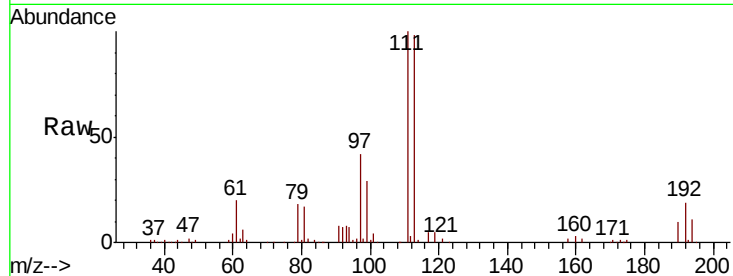
#35
 Dibromofluoromethane
 Concen: 53.779 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0803SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	113384		
111	103.1	82.7	124.1	
192	20.0	16.1	24.1	

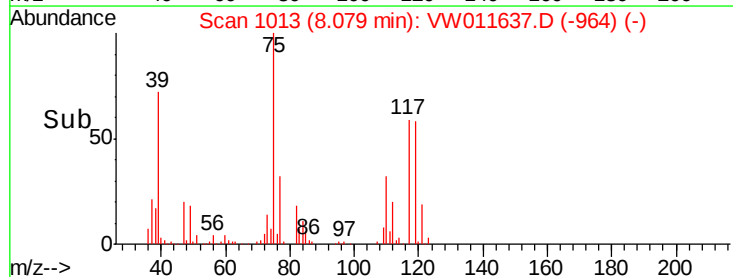
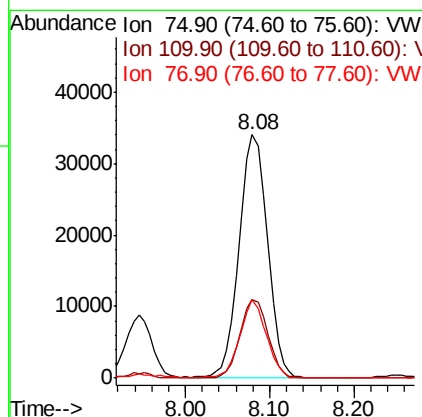
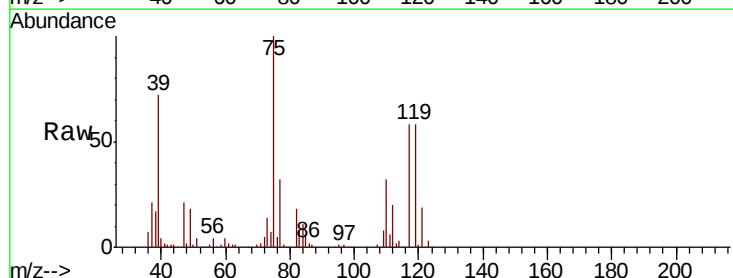
Manual Integrations
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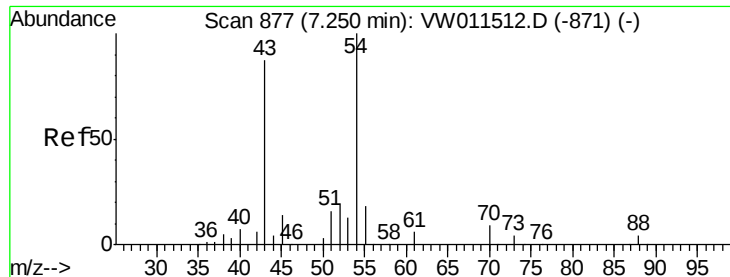
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#36
 1,1-Dichloropropene
 Concen: 19.929 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77875		
110	31.6	15.6	46.8	
77	30.1	24.3	36.5	





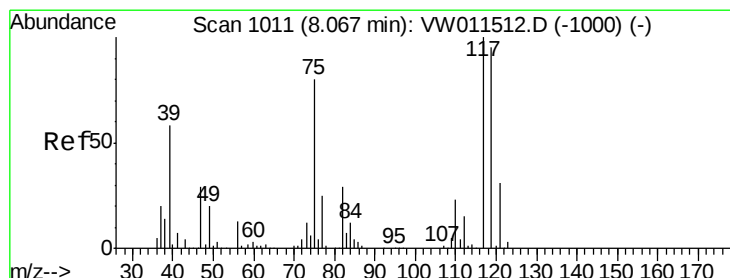
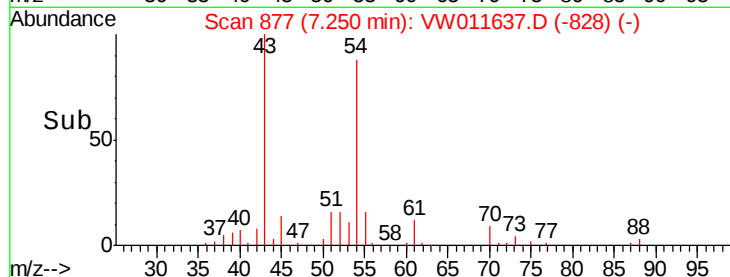
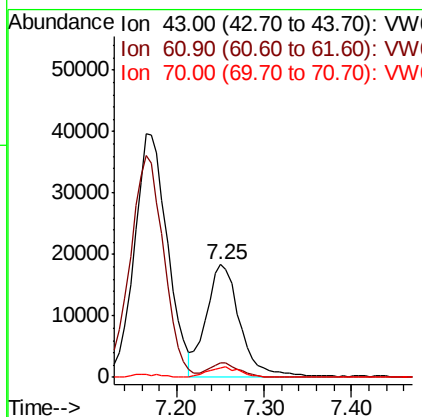
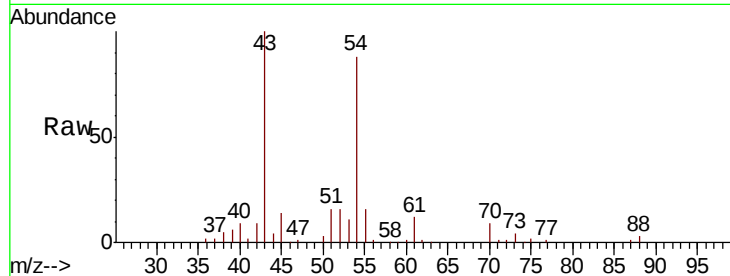
#37
Ethyl Acetate
Concen: 21.644 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	8.8	13.2
70	8.9	7.1	10.7

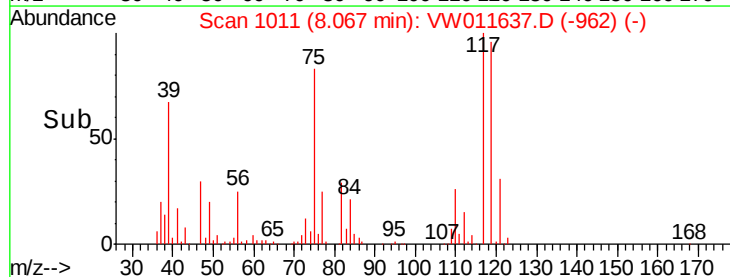
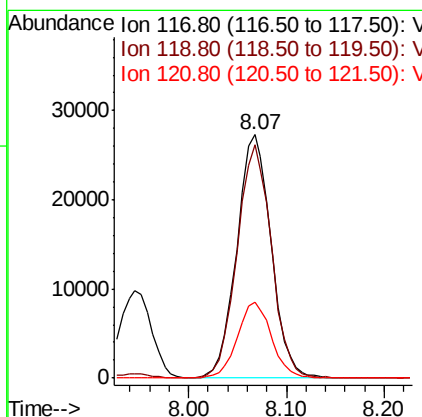
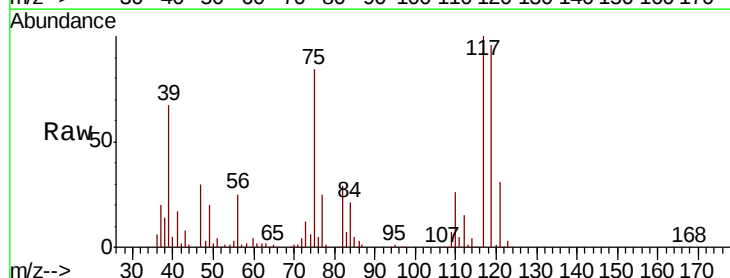
Manual Integrations
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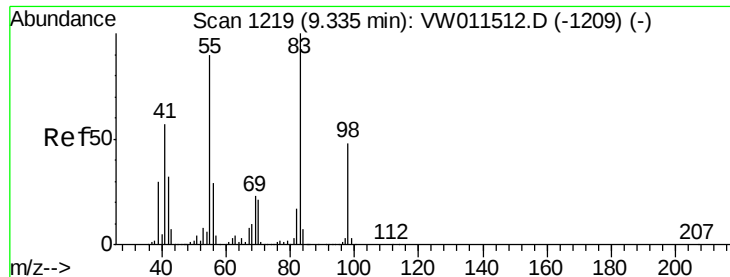
MMDadoda
8/6/2019 9:20:04 AM



#38
Carbon Tetrachloride
Concen: 19.900 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.8	113.6
121	31.1	24.7	37.1





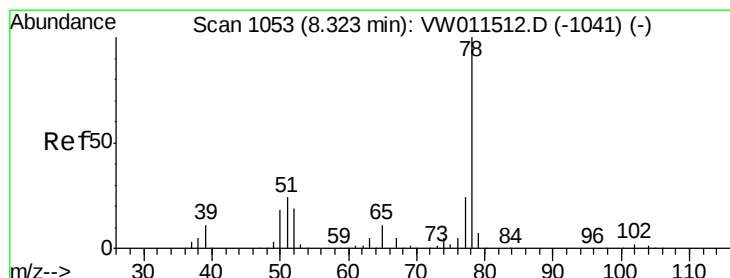
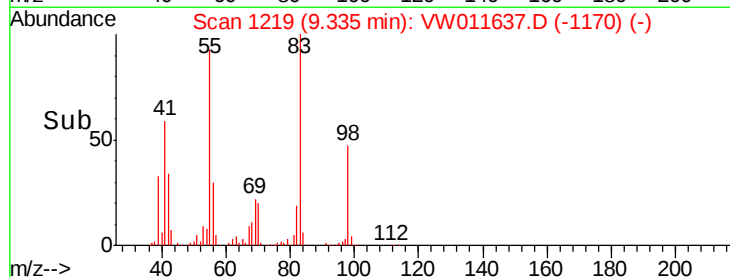
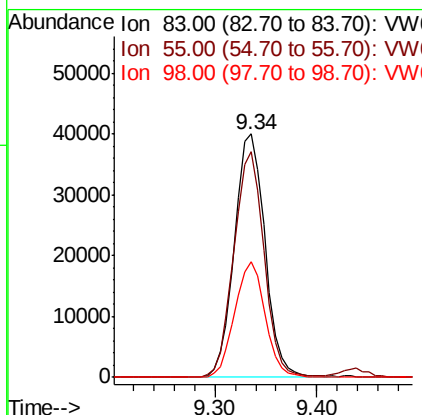
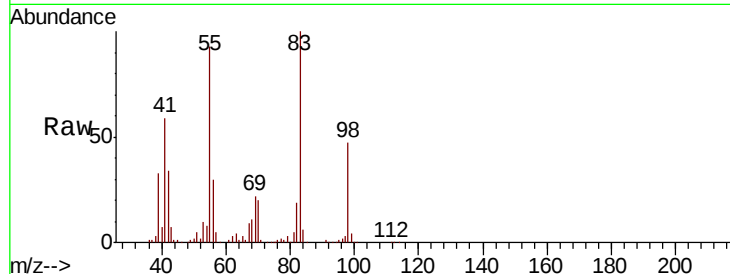
#39
Methvlcvclohexane
Concen: 19.340 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.8	72.1	108.1
98	47.2	38.6	57.8

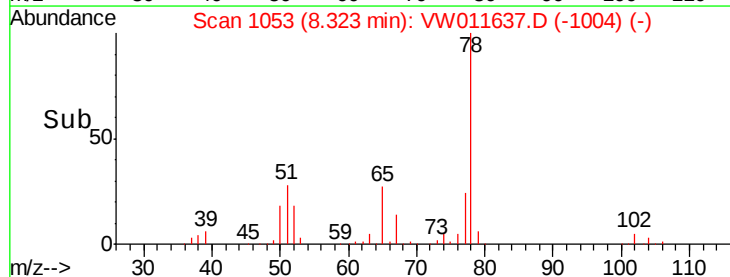
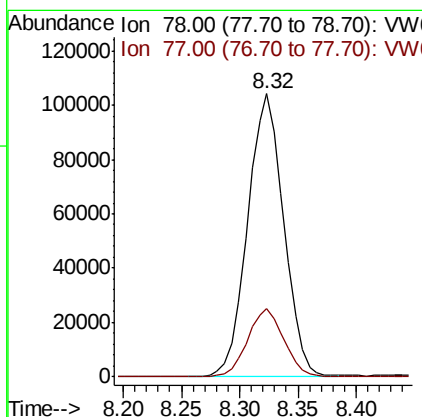
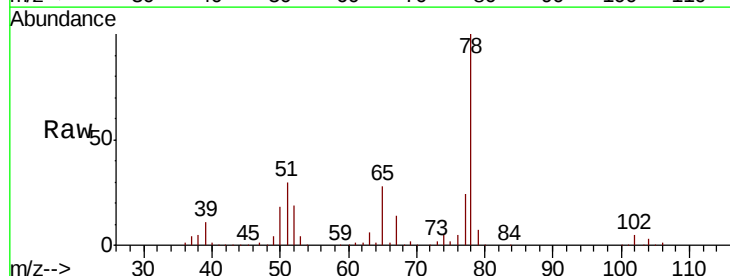
Manual Integrations
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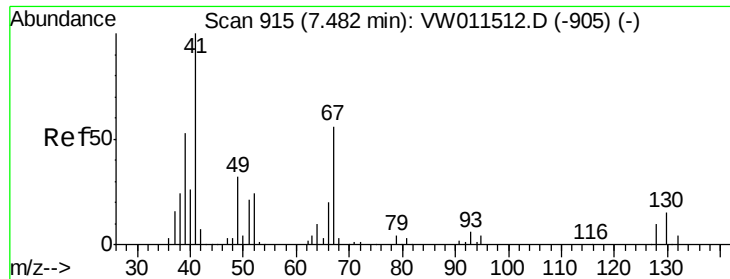
MMDadoda
8/6/2019 9:20:04 AM



#40
Benzene
Concen: 20.496 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





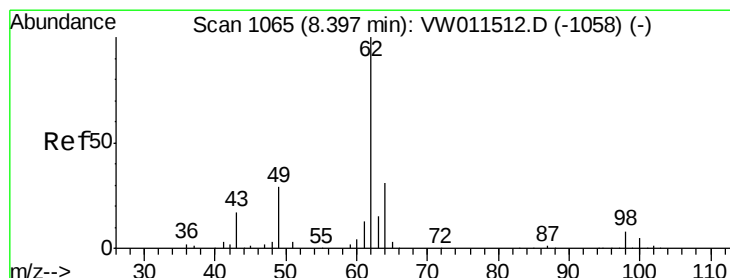
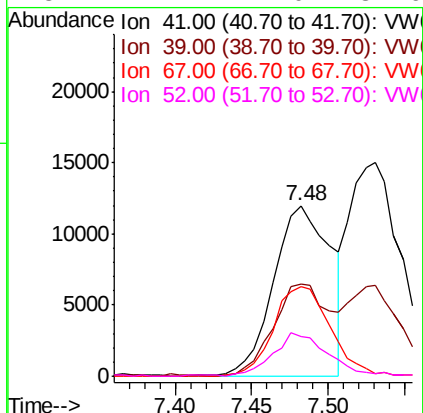
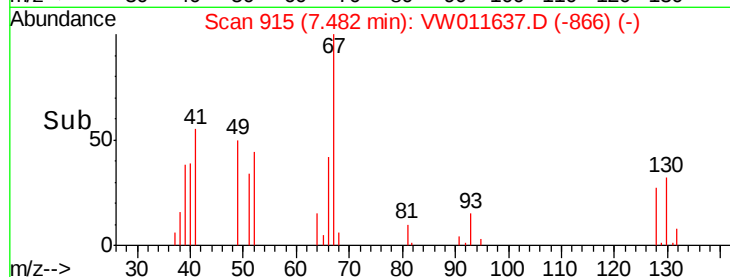
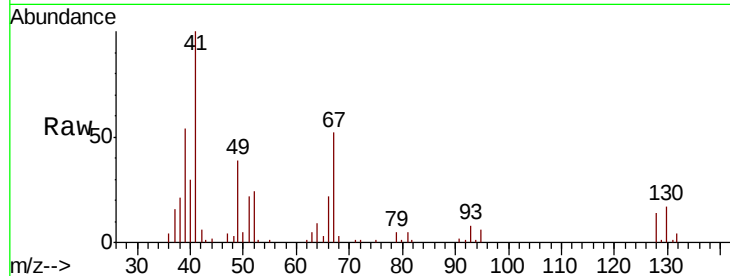
#41
Methacrylonitrile
Concen: 23.271 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.0	64.4
67	52.5	47.5	71.3
52	24.7	21.0	31.6

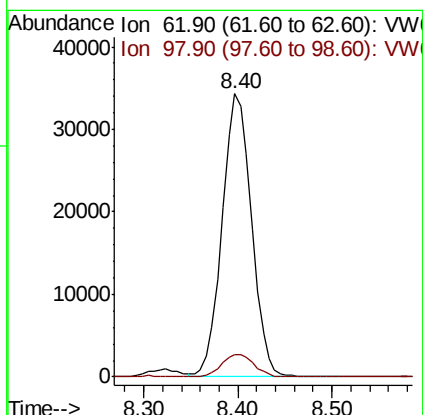
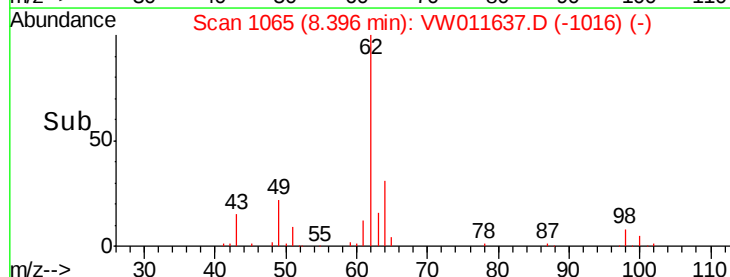
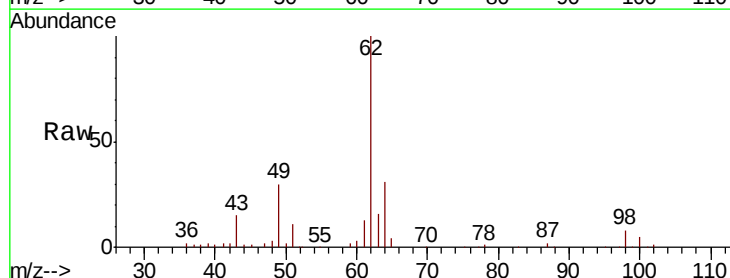
Manual Integrations
APPROVED

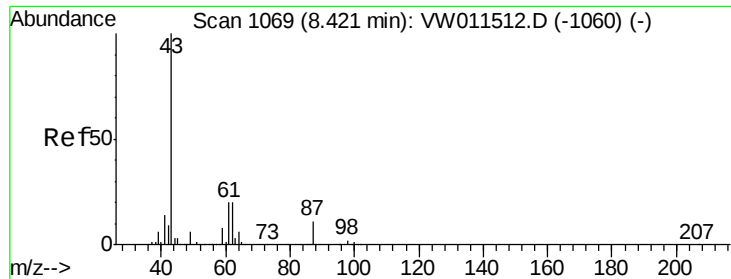
MMDadoda
8/6/2019 9:20:04 AM



#42
1,2-Dichloroethane
Concen: 21.693 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.8





#43

Isopropyl Acetate

Concen: 21.240 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

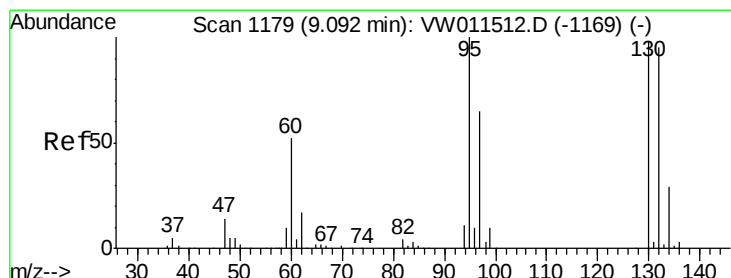
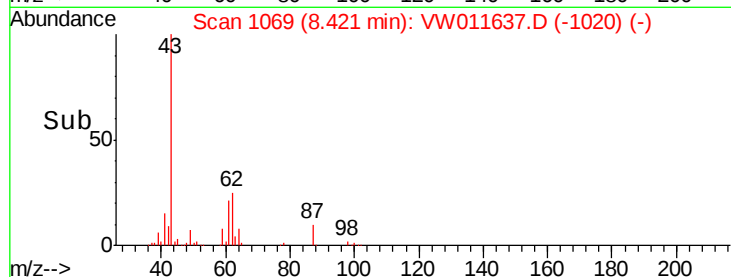
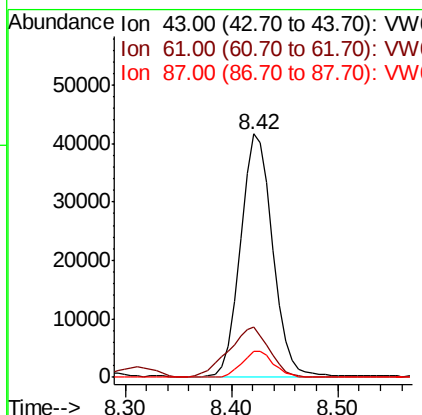
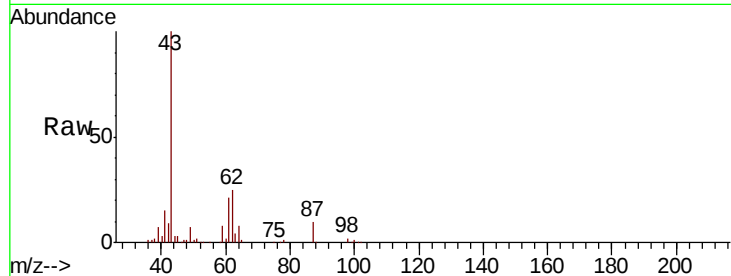
ClientSampleId :

VW0803SBS01

Tot Ion:	43	Resp:	87820
Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.5	32.3
87	10.6	8.4	12.6

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#44

Trichloroethene

Concen: 19.936 ug/l

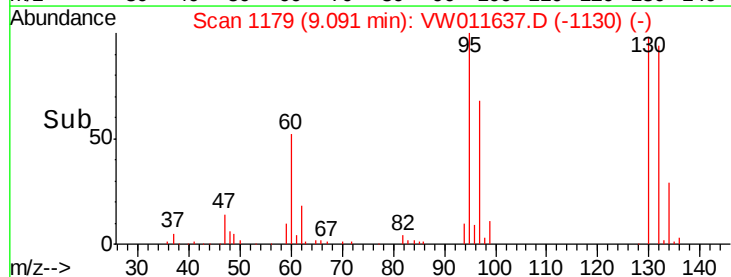
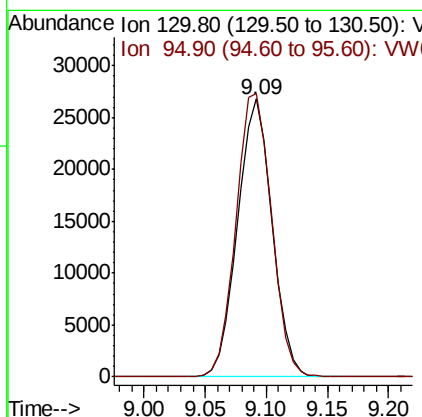
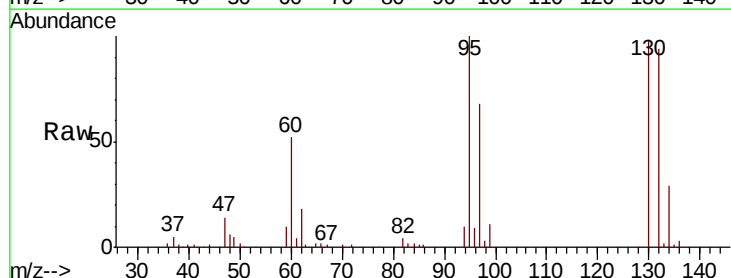
RT: 9.09 min Scan# 1179

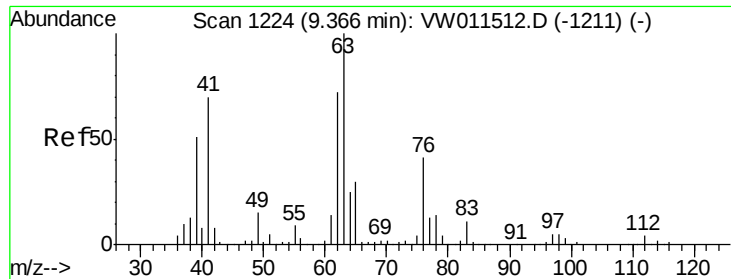
Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Tgt Ion:	130	Resp:	52448
Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	204.8





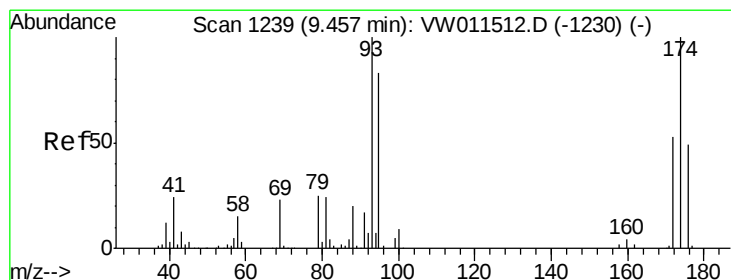
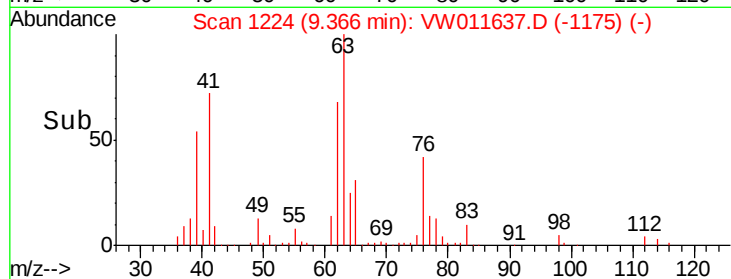
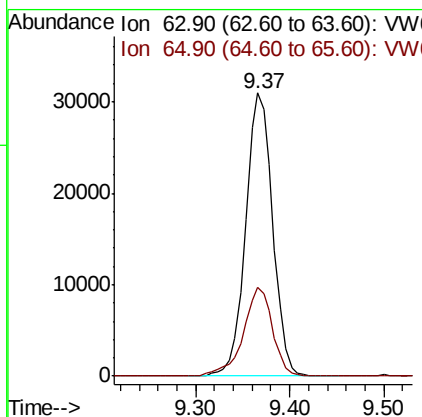
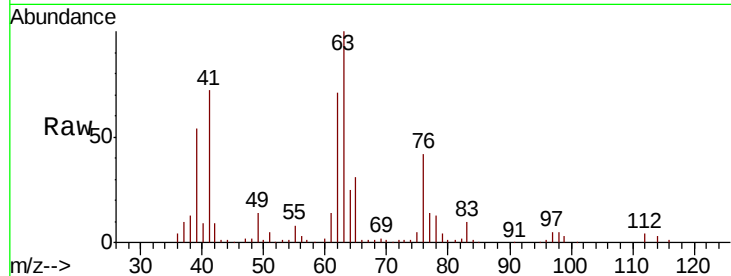
#45
 1,2-Dichloropropane
 Concen: 21.232 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Instrument :
 MSVOA_W
 ClientSampled :
 VW0803SBS01

Tot Ion: 63 Resp: 62183
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.2 36.4

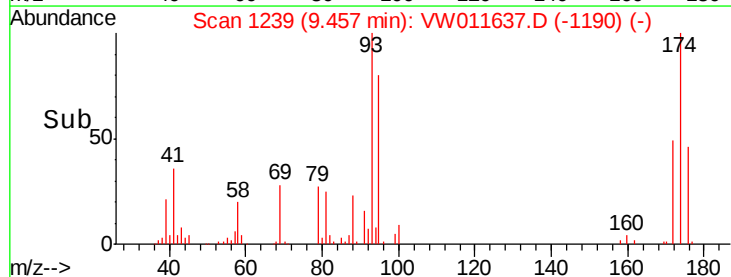
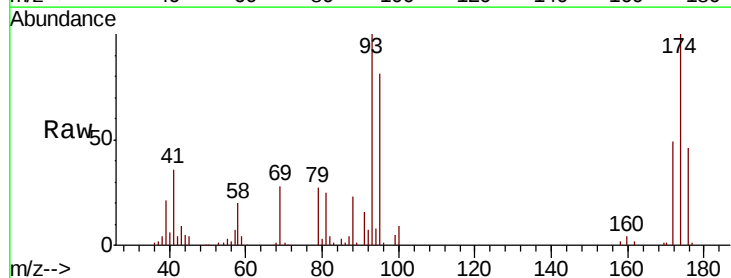
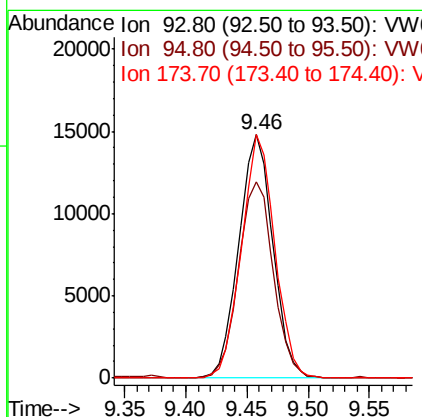
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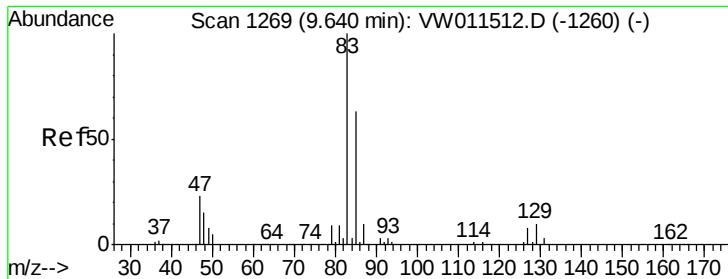
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#46
 Dibromomethane
 Concen: 21.428 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Tgt Ion: 93 Resp: 28643
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.2 99.2
 174 97.7 78.2 117.4





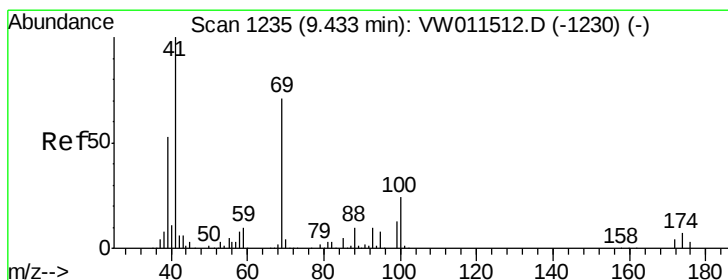
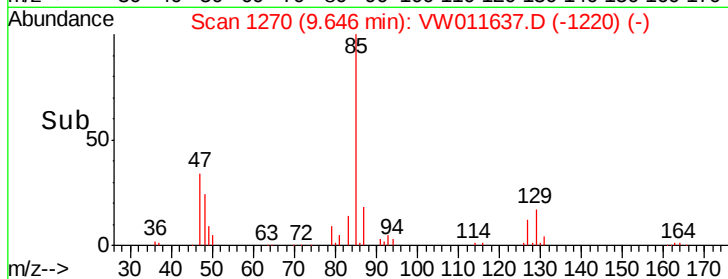
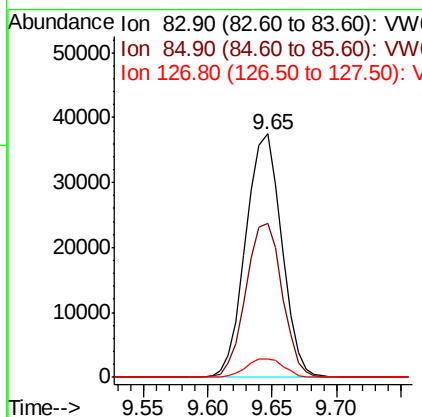
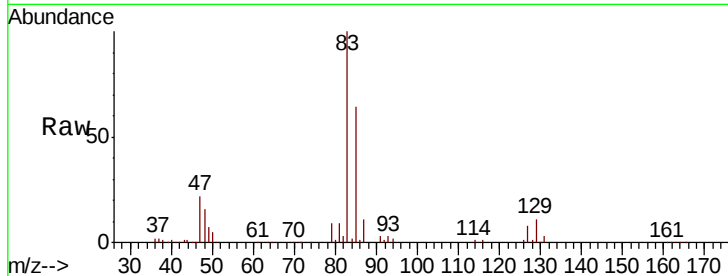
#47
Bromodichloromethane
Concen: 20.662 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.5	75.7
127	7.5	6.4	9.6

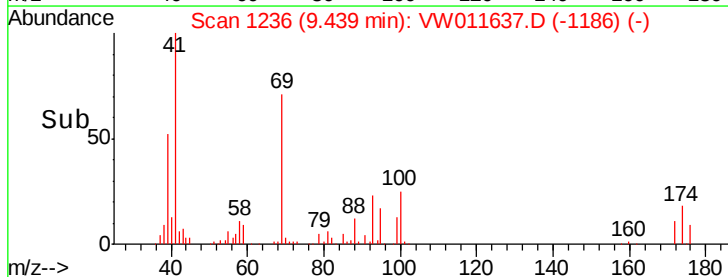
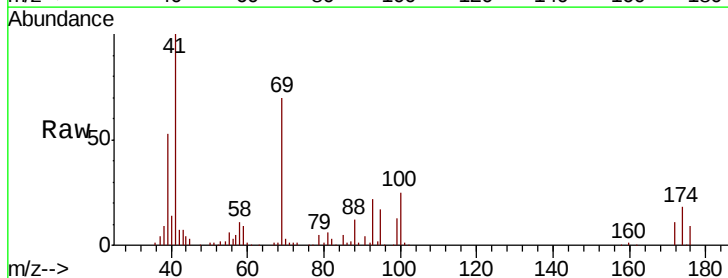
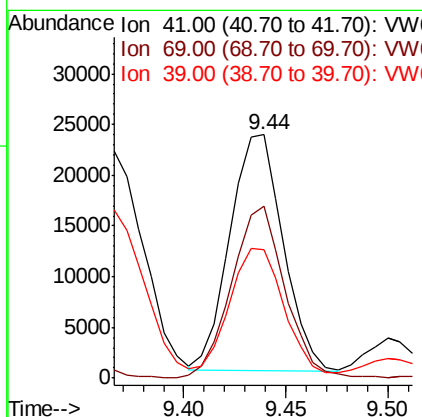
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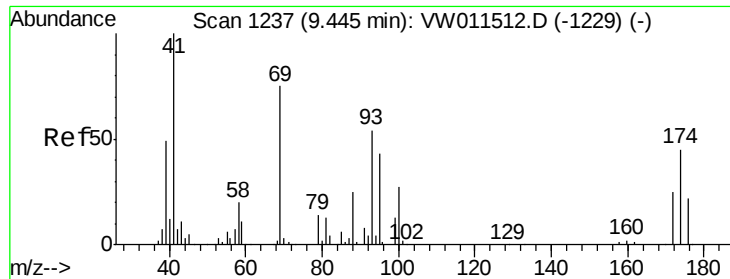
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#48
Methyl methacrylate
Concen: 21.237 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.5	57.1	85.7
39	57.7	45.4	68.2





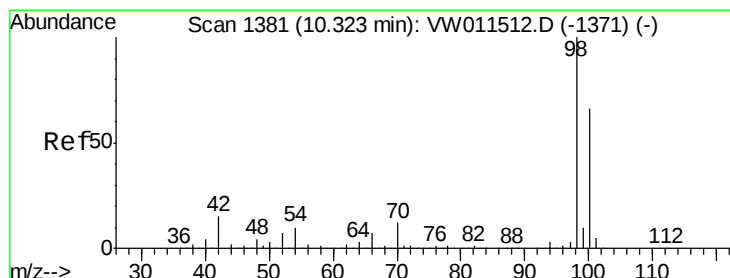
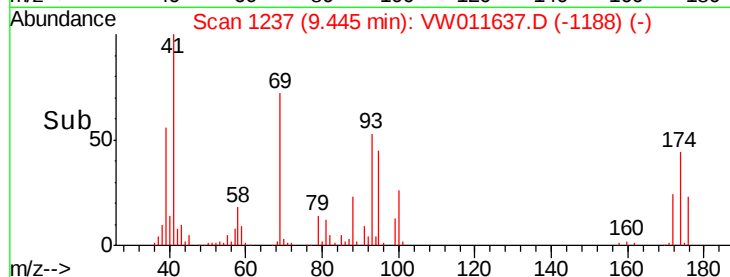
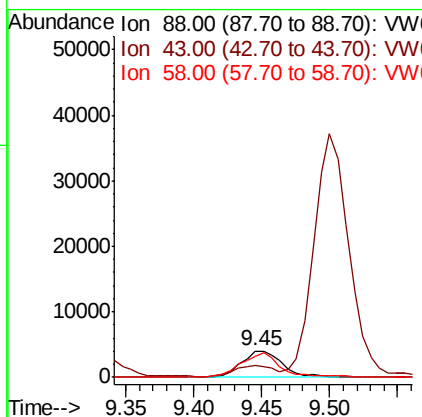
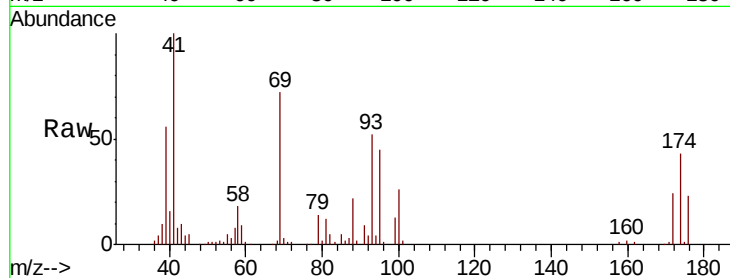
#49
1,4-Dioxane
Concen: 428.629 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion	88	Resp	8296
Ion	Ratio	Lower	Upper
88	100		
43	41.2	34.0	51.0
58	91.0	69.7	104.5

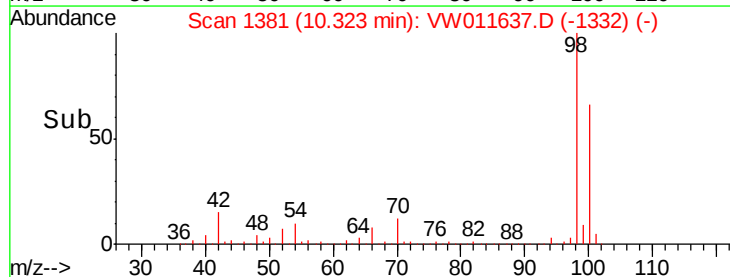
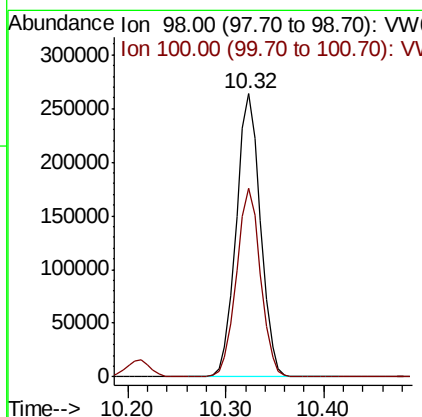
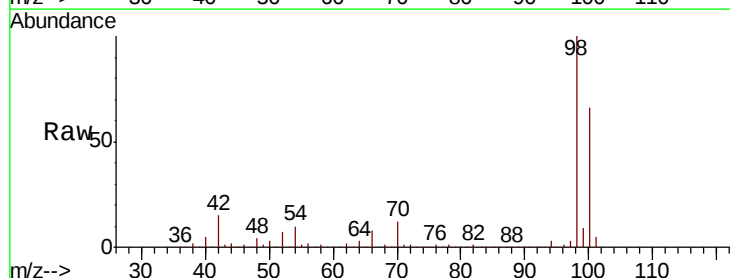
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#50
Toluene-d8
Concen: 52.515 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	98	Resp	453322
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 107.925 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0803SBS01

Tot Ion: 43 Resp: 232105

Ion Ratio Lower Upper

43 100

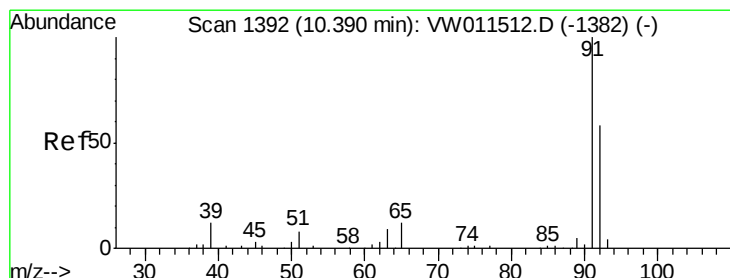
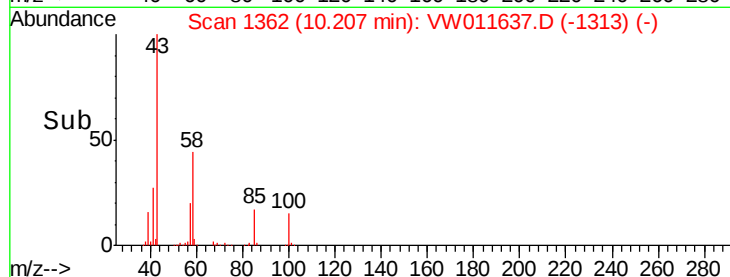
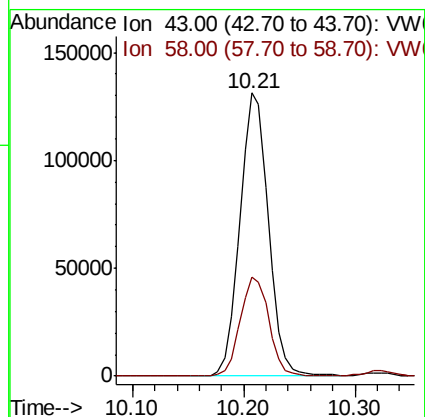
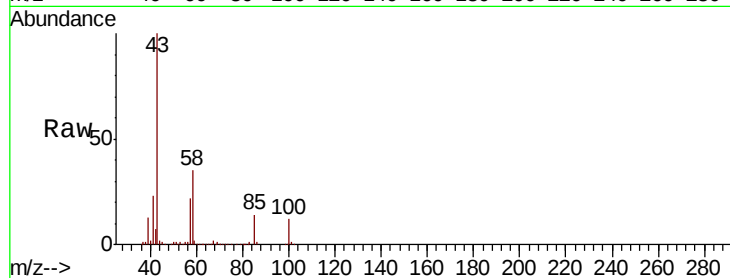
58 35.4 28.2 42.2

Manual Integrations

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8/6/2019 9:20:04 AM



#52

Toluene

Concen: 20.701 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011637.D

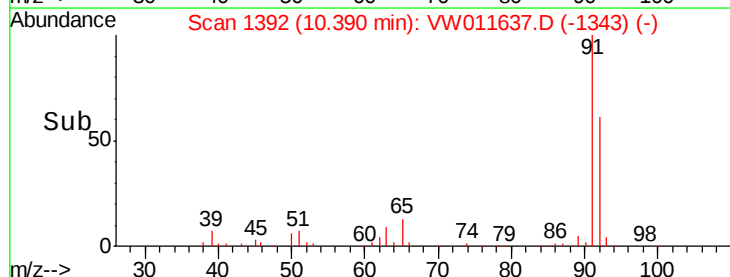
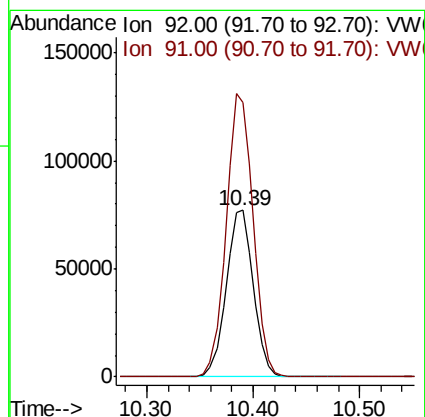
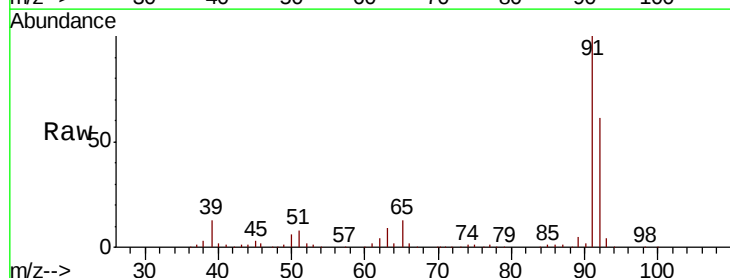
Acq: 02 Aug 2019 23:58

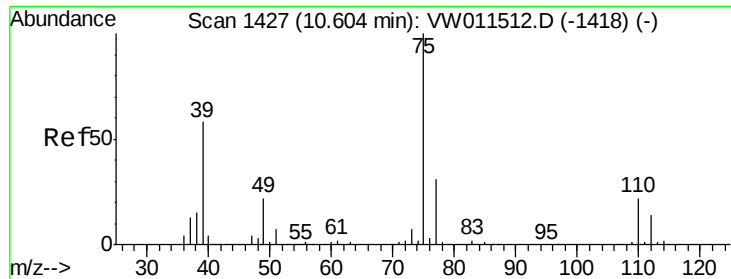
Tgt Ion: 92 Resp: 136833

Ion Ratio Lower Upper

92 100

91 169.4 136.7 205.1





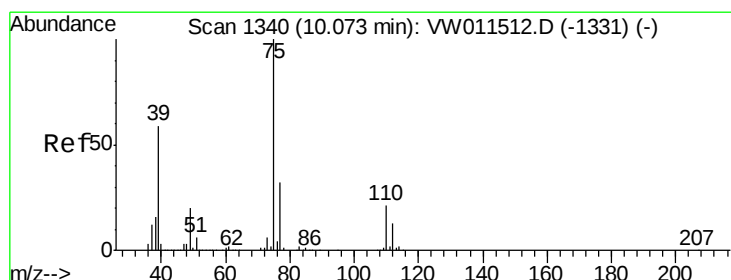
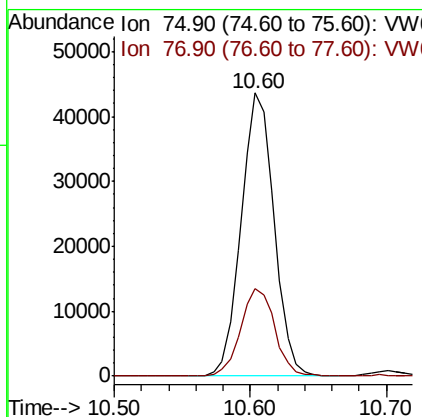
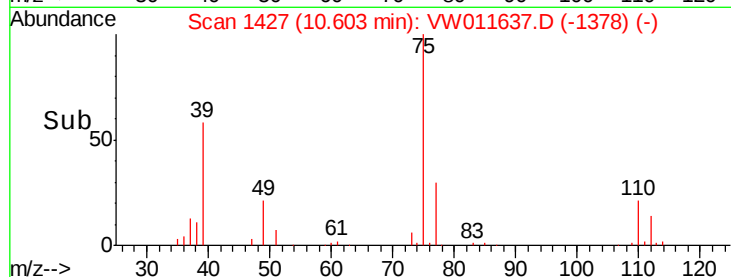
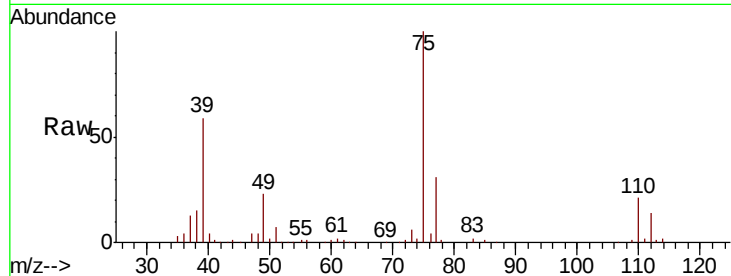
#53
t-1,3-Dichloropropene
Concen: 20.160 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleID :
VW0803SBS01

Tot Ion: 75 Resp: 73843
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4

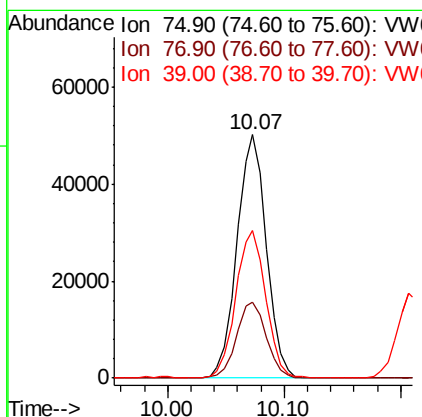
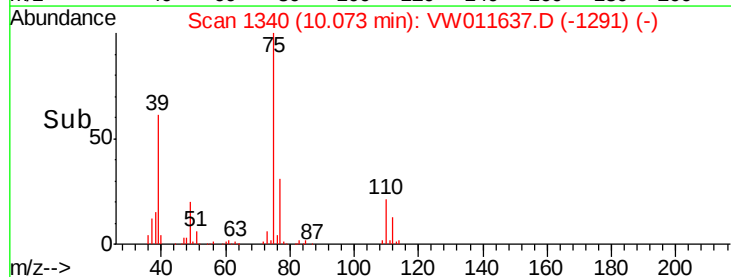
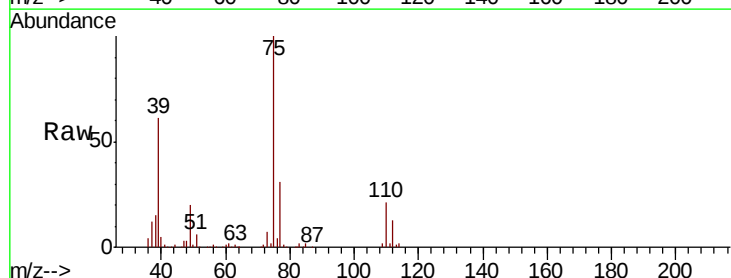
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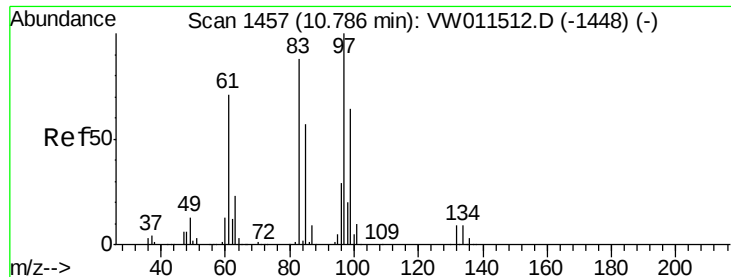
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#54
cis-1,3-Dichloropropene
Concen: 20.310 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion: 75 Resp: 88452
Ion Ratio Lower Upper
75 100
77 31.0 25.6 38.4
39 60.6 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 21.397 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

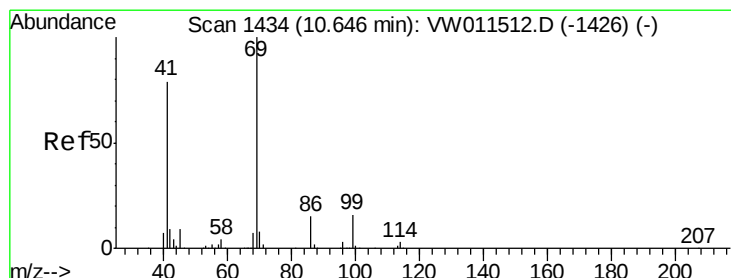
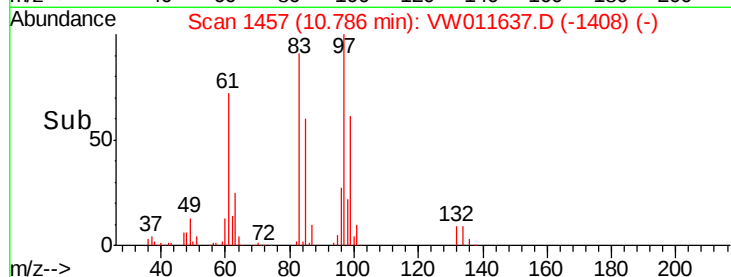
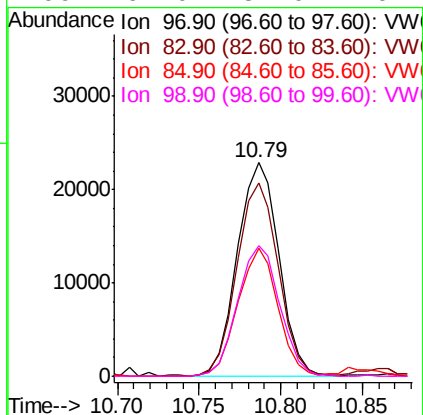
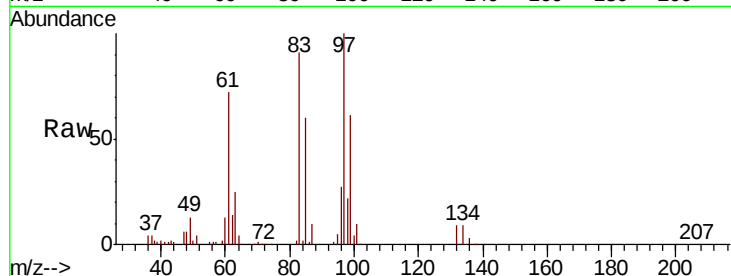
ClientSampleId :

VW0803SBS01

Tot Ion:	97	Resp:	40582
Ion	Ratio	Lower	Upper
97	100		
83	90.7	70.5	105.7
85	60.0	45.8	68.6
99	61.0	51.0	76.4

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#56

Ethyl methacrylate

Concen: 20.858 ug/l

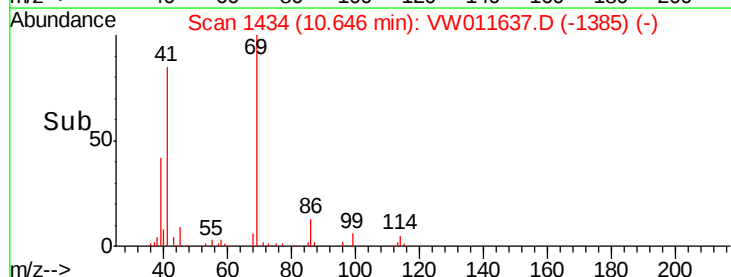
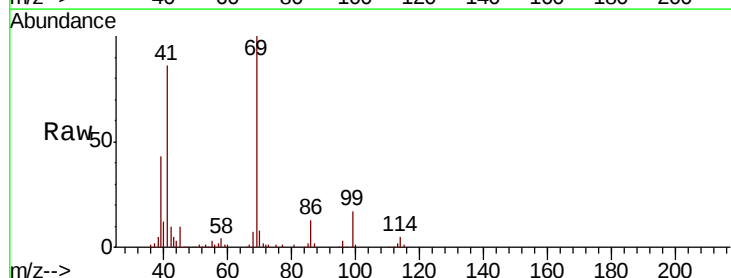
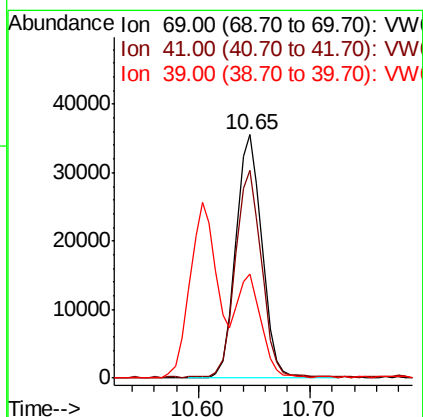
RT: 10.65 min Scan# 1434

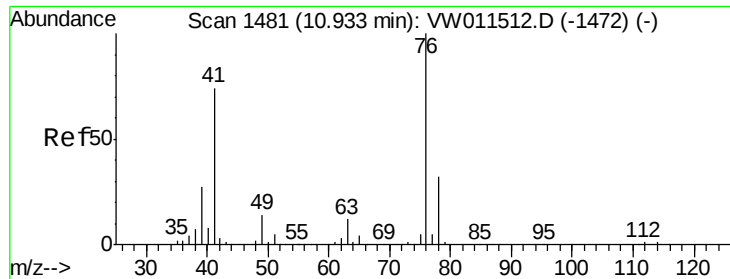
Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Tgt Ion:	69	Resp:	57889
Ion	Ratio	Lower	Upper
69	100		
41	86.4	66.6	99.8
39	39.1	30.3	45.5





#57

1,3-Dichloropropane

Concen: 21.395 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0803SBS01

Tot Ion: 76 Resp: 76769

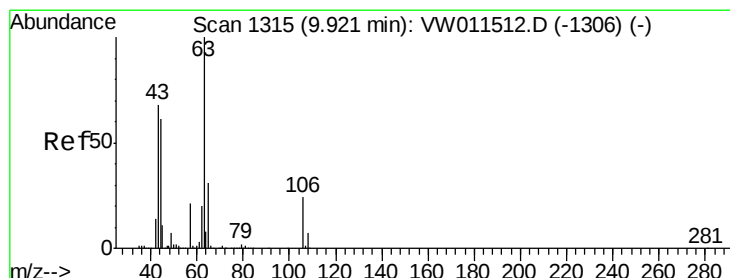
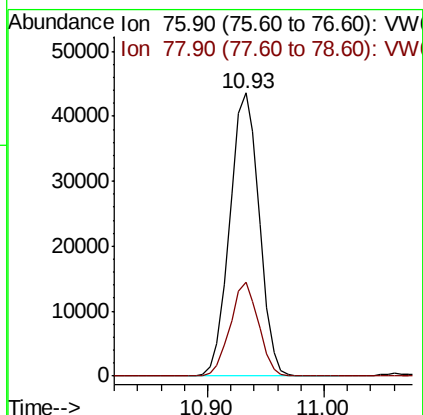
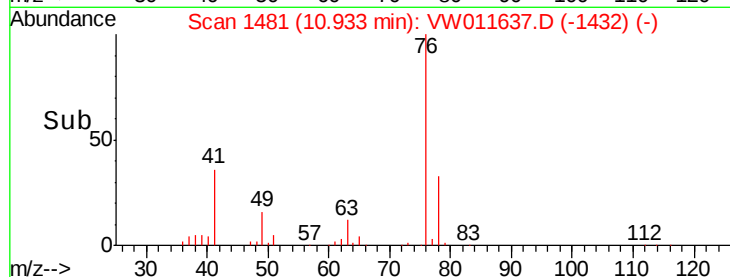
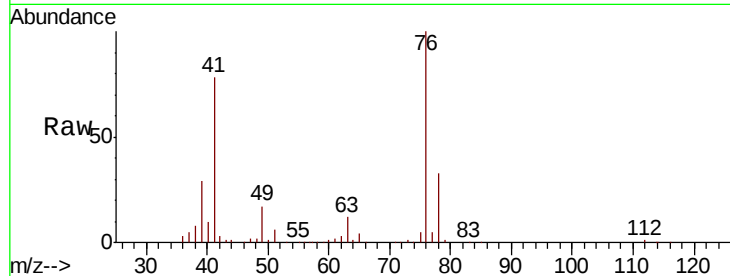
Ion Ratio Lower Upper

76 100

78 32.1 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 115.823 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011637.D

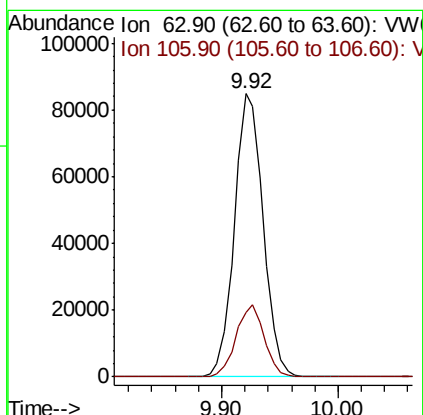
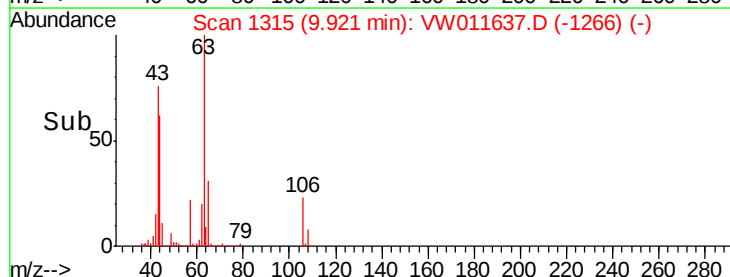
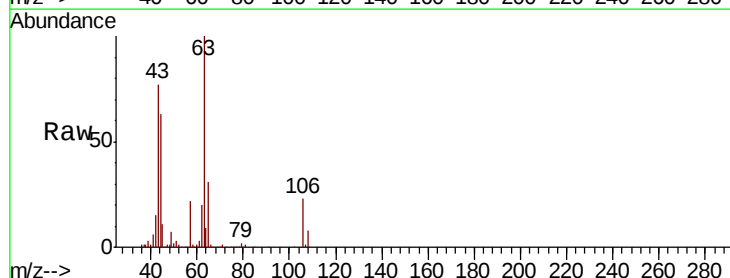
Acq: 02 Aug 2019 23:58

Tgt Ion: 63 Resp: 145950

Ion Ratio Lower Upper

63 100

106 24.9 19.7 29.5





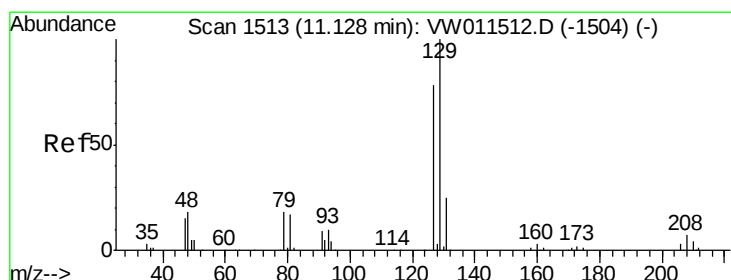
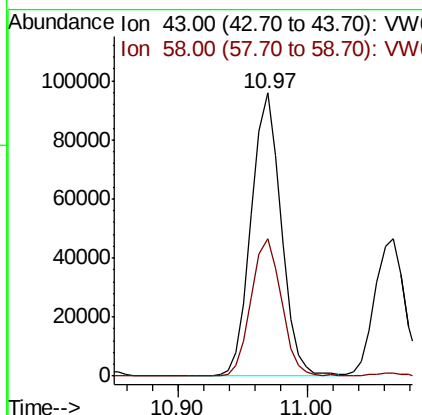
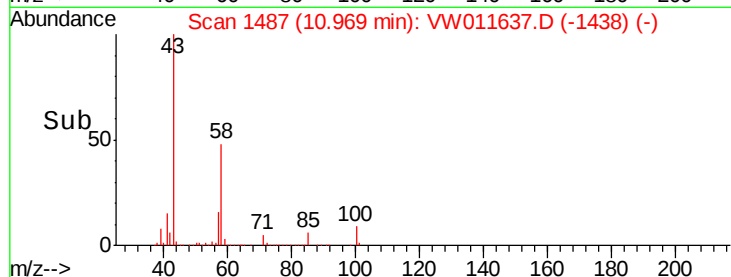
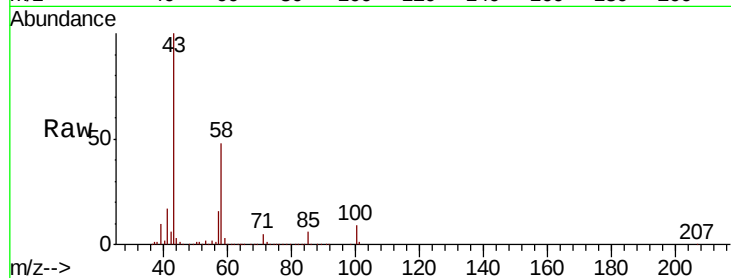
#59
2-Hexanone
Concen: 101.562 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	24.3	72.9

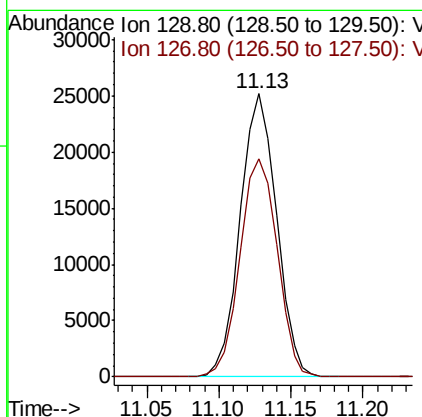
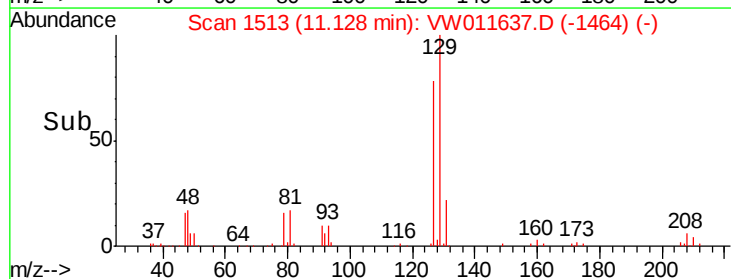
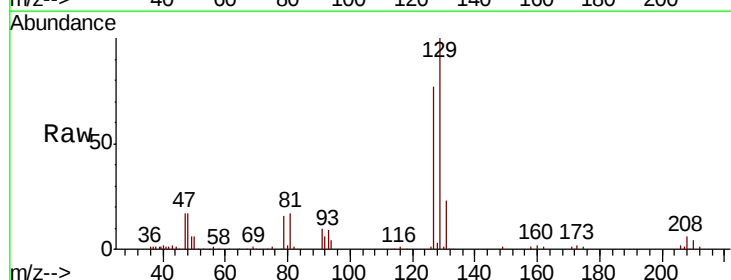
Manual Integrations
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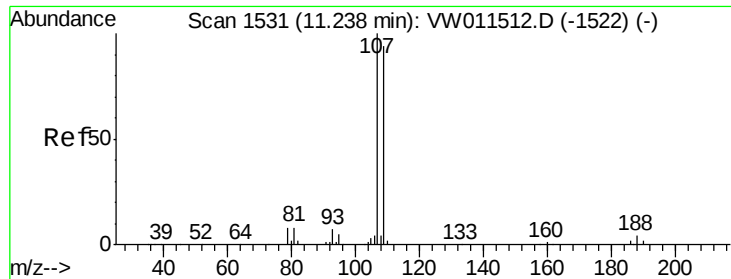
MMDadoda
8/6/2019 9:20:04 AM



#60
Dibromochloromethane
Concen: 20.990 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.9	38.9	116.7





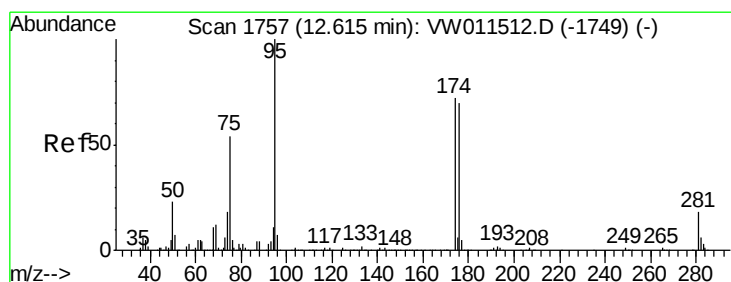
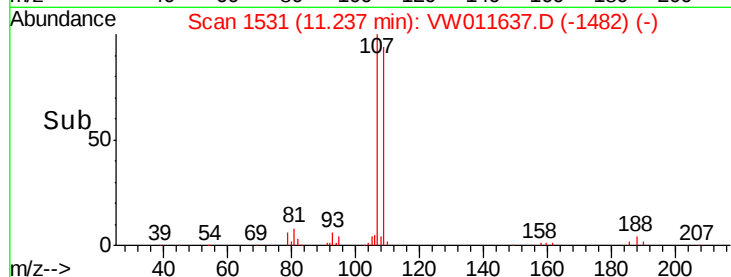
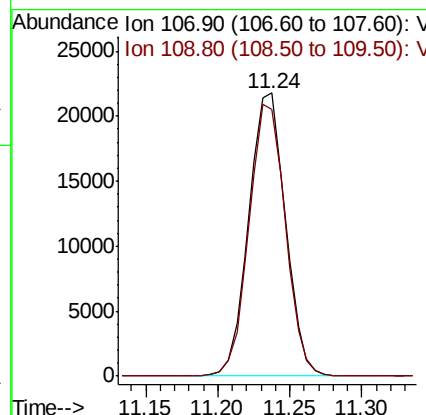
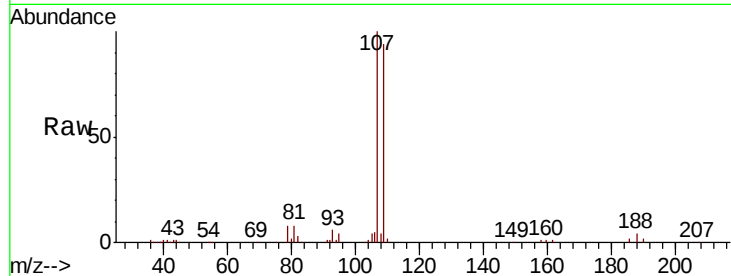
#61
 1,2-Dibromoethane
 Concen: 21.336 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0803SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.0	112.6

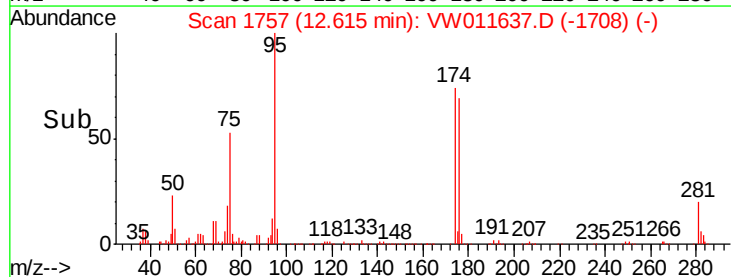
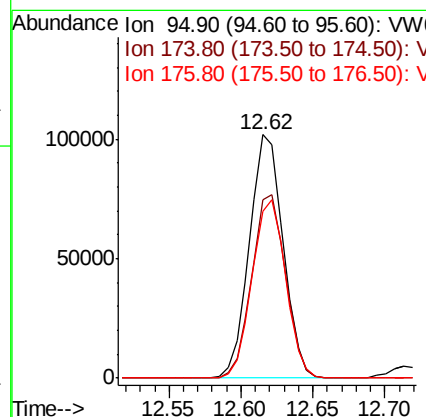
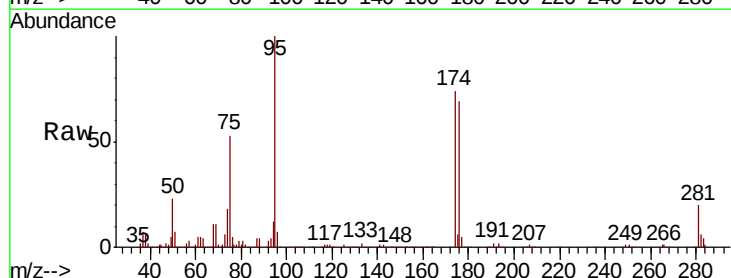
Manual Integrations
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 8/6/2019 9:20:04 AM



#62
 4-Bromofluorobenzene
 Concen: 53.483 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	150.2
176	73.0	0.0	144.4





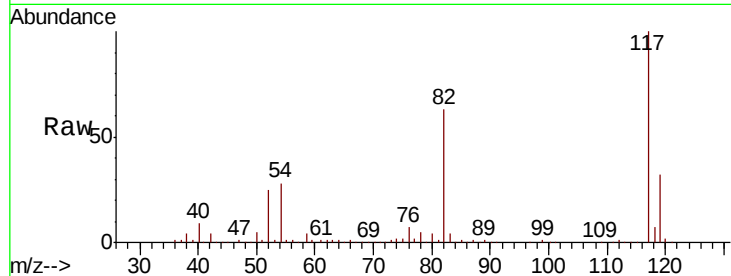
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	47.9	71.9
119	31.9	26.2	39.2

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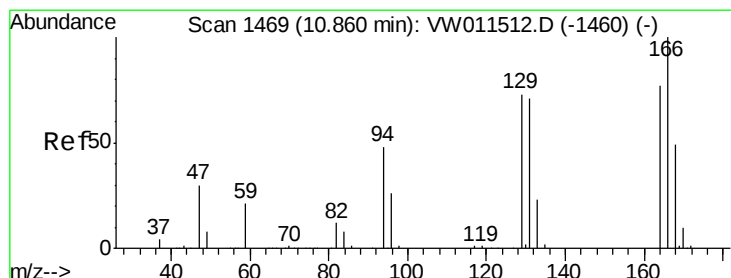
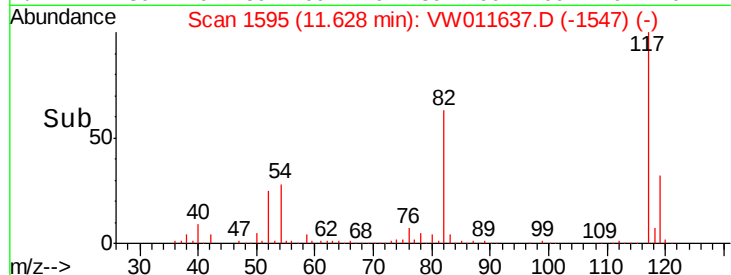
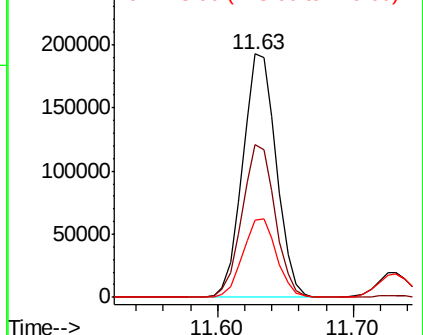


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.146 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.4	103.5	155.3
129	95.2	75.2	112.8
131	88.5	73.4	110.2

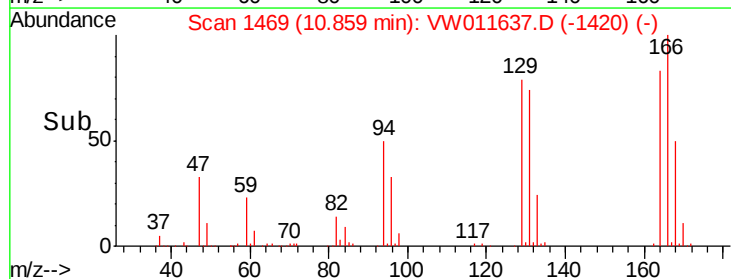
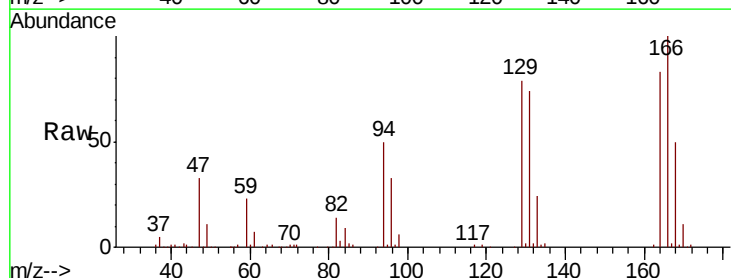
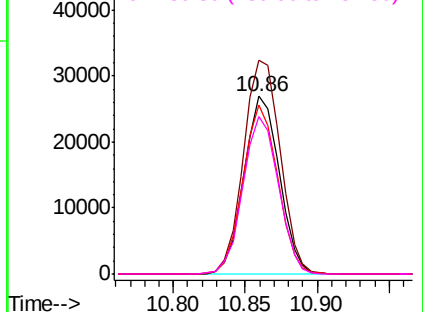
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.754 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0803SBS01

Tot Ion:112 Resp: 138880

Ion Ratio Lower Upper

112 100

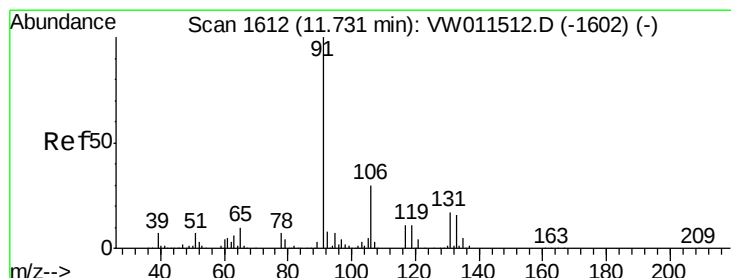
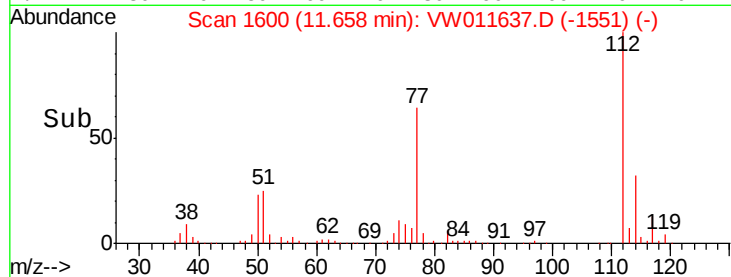
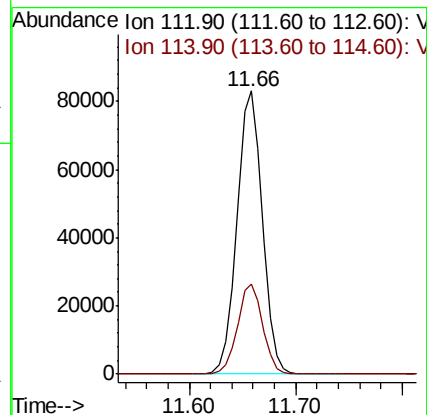
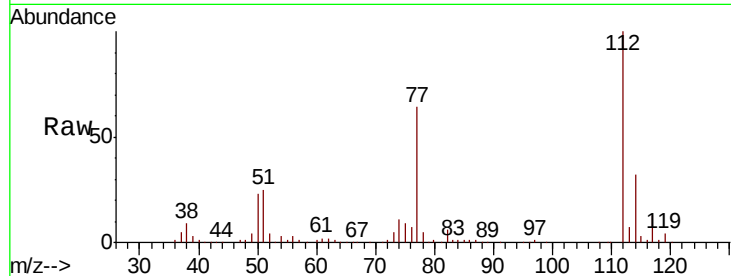
114 31.7 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.120 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

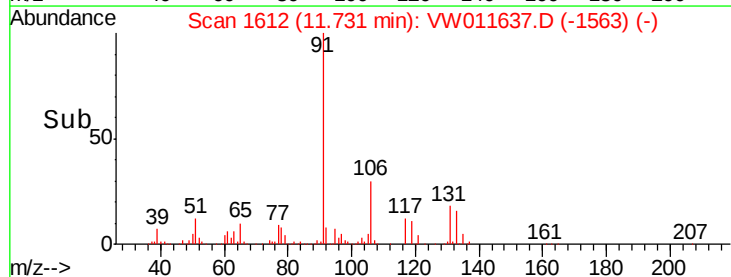
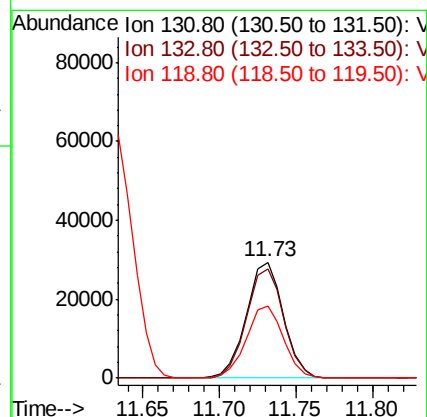
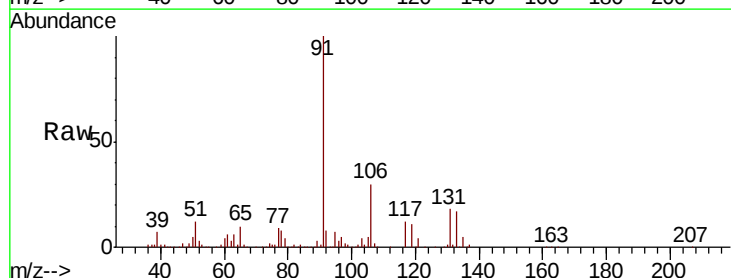
Tgt Ion:131 Resp: 49228

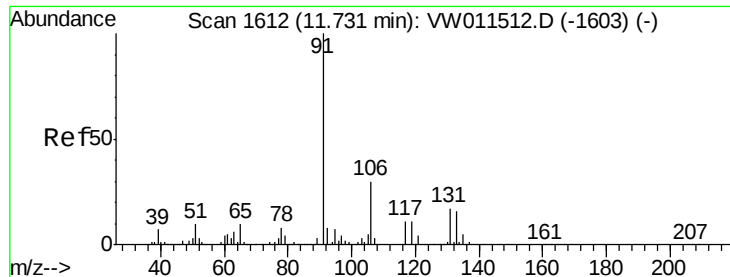
Ion Ratio Lower Upper

131 100

133 94.9 47.4 142.2

119 62.8 32.3 96.9





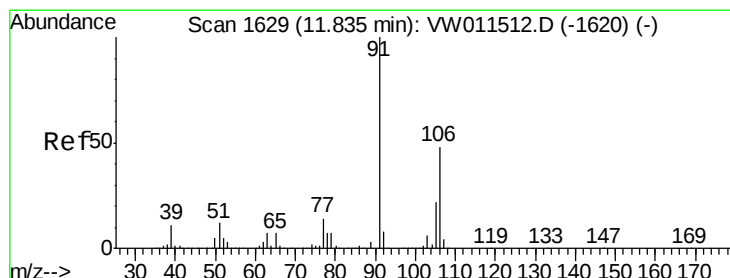
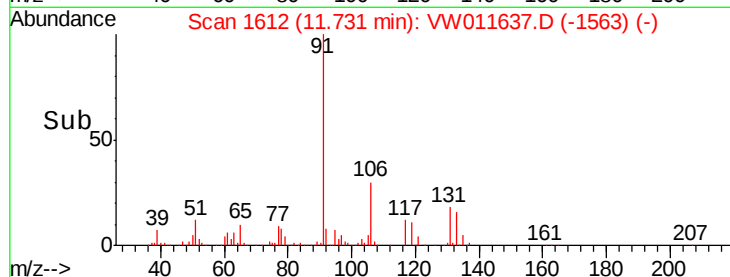
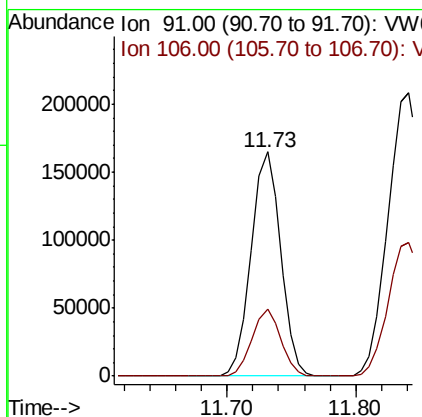
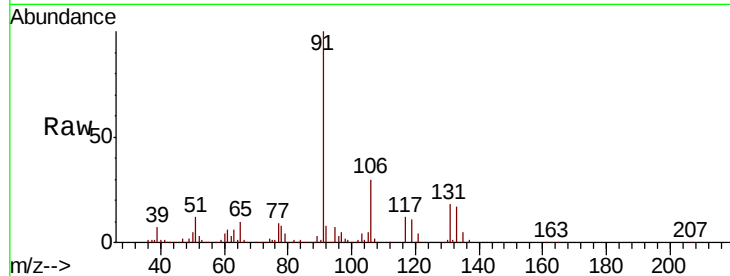
#67
Ethyl Benzene
Concen: 20.440 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion: 91 Resp: 260497
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6

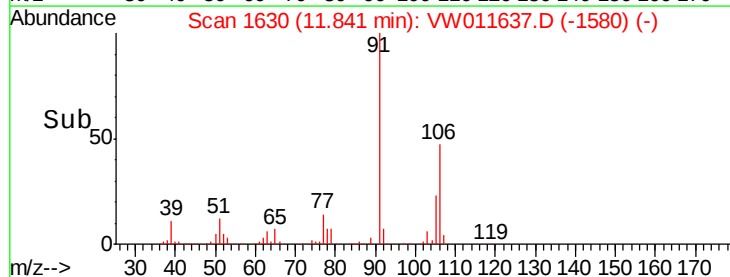
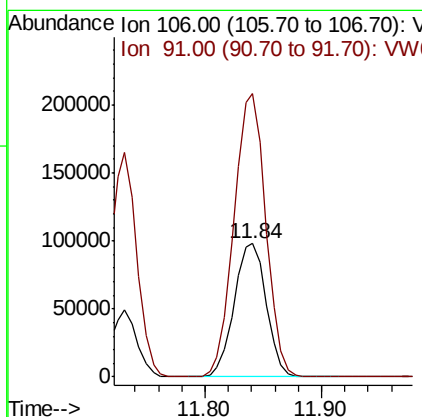
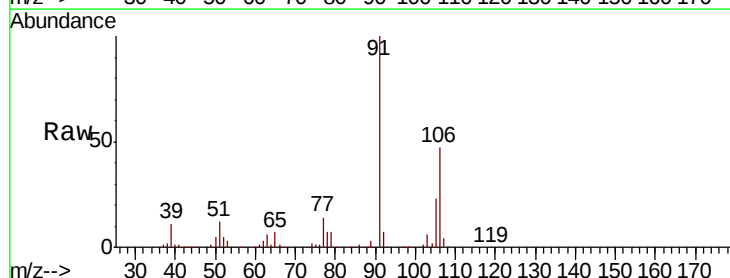
Manual Integrations
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#68
m/p-Xylenes
Concen: 40.648 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion:106 Resp: 188396
Ion Ratio Lower Upper
106 100
91 210.1 168.2 252.2





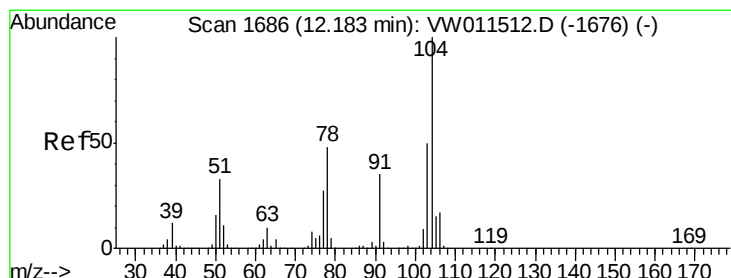
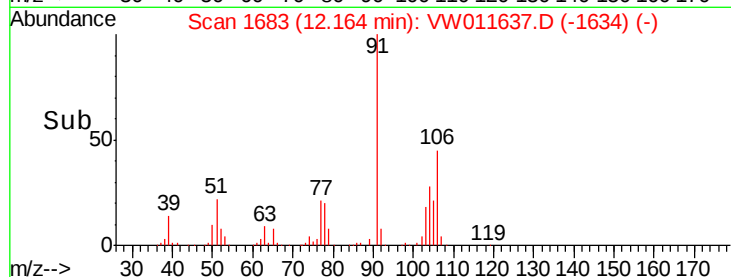
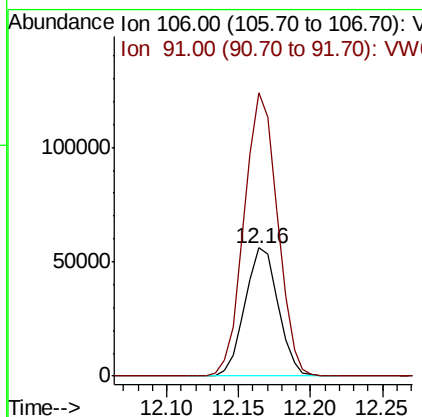
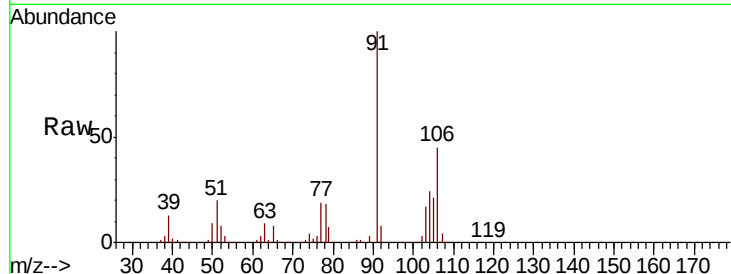
#69
o-Xylene
Concen: 20.781 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampled :
VW0803SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	222.1	110.5	331.5

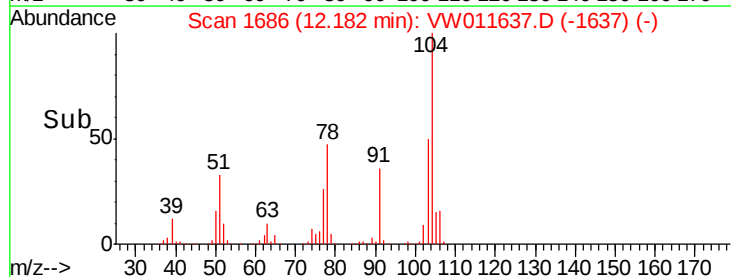
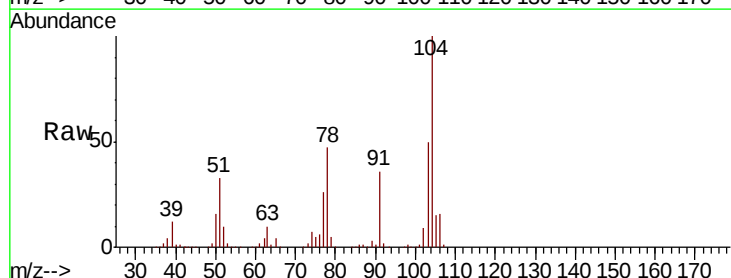
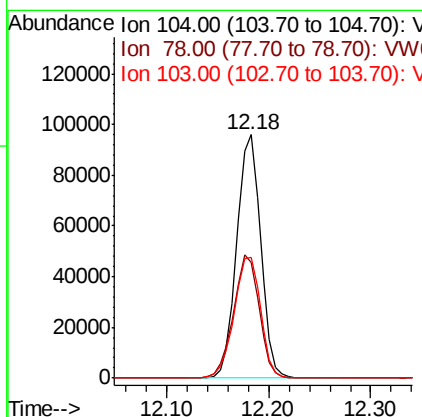
Manual Integrations
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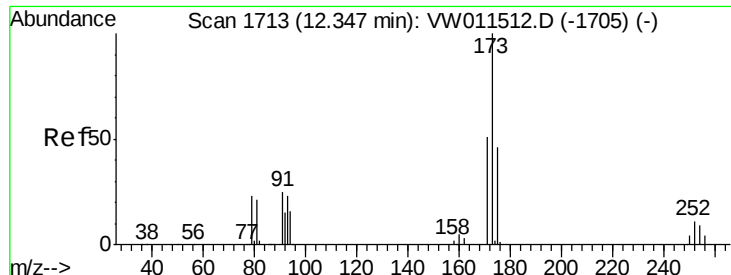
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#70
Styrene
Concen: 20.850 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.3	43.4	65.0
103	55.0	43.9	65.9





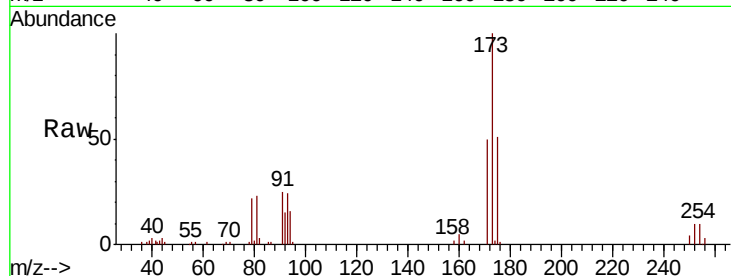
#71
Bromoform
Concen: 21.619 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.1	23.6	71.0
254	0.1	0.1	0.1

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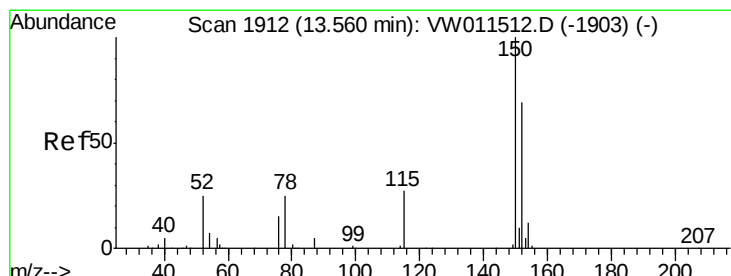
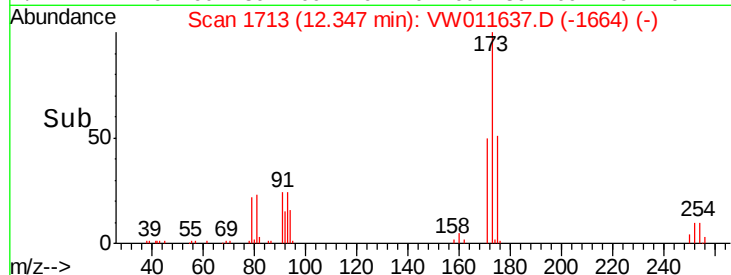
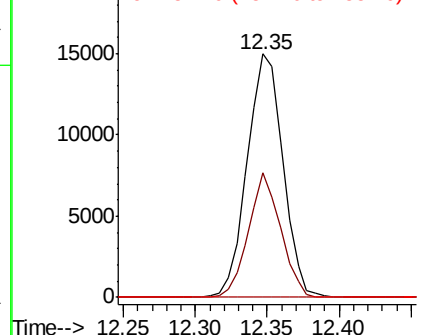


Abundance

Ion 172.70 (172.40 to 173.40): V

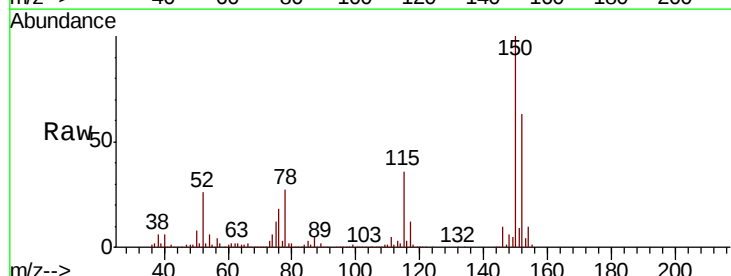
Ion 174.70 (174.40 to 175.40): V

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: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.5	91.5
150	165.6	0.0	352.6

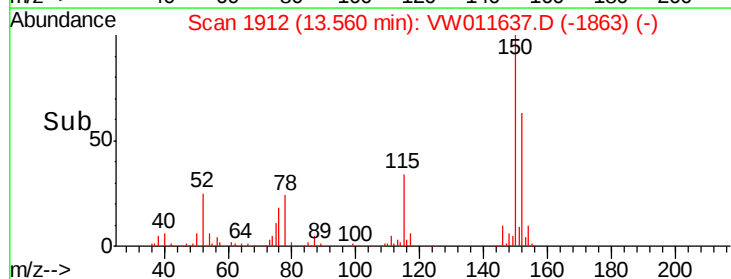
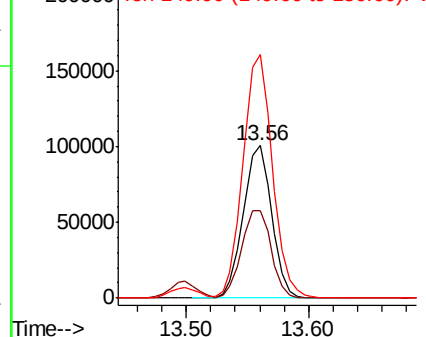


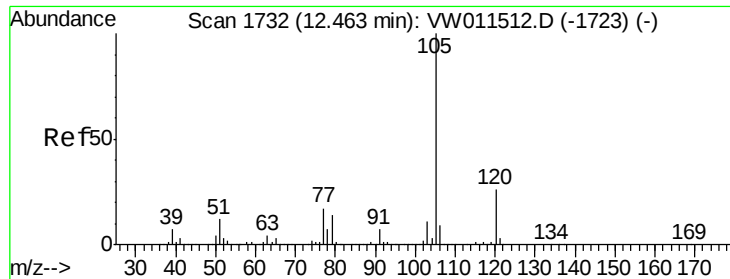
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.996 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

ClientSampled :

VW0803SBS01

Tot Ion: 105 Resp: 241546

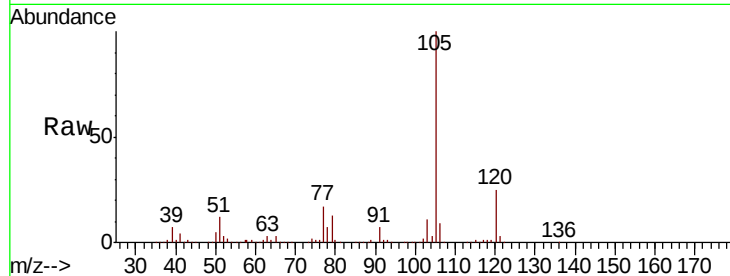
Ion Ratio Lower Upper

105 100

120 25.6 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

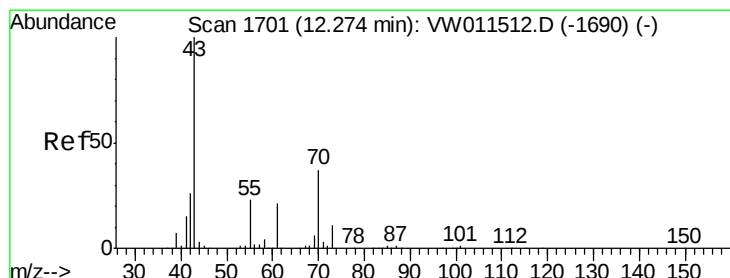
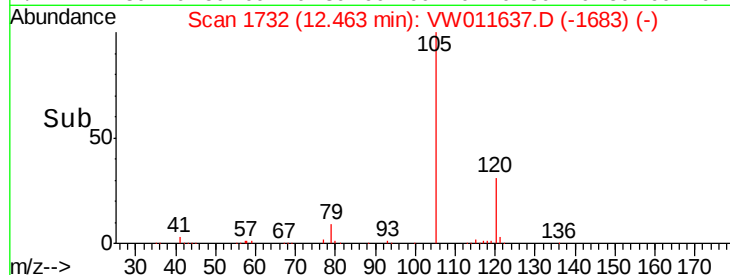
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.003 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Tgt Ion: 43 Resp: 79431

Ion Ratio Lower Upper

43 100

70 34.6 28.6 43.0

55 22.8 17.8 26.8

61 21.4 17.0 25.6

Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

12.27

80000

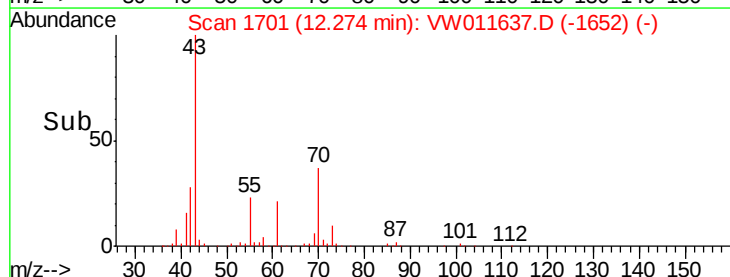
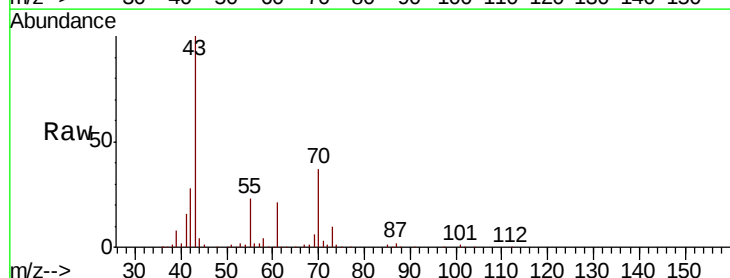
60000

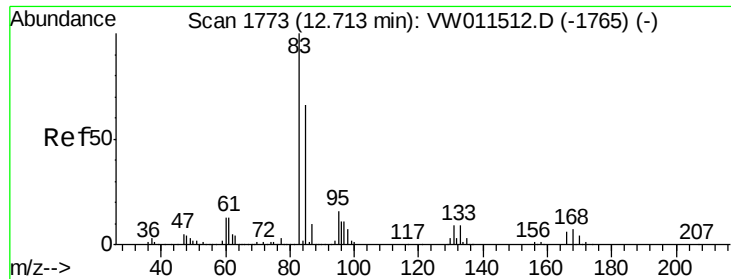
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.469 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

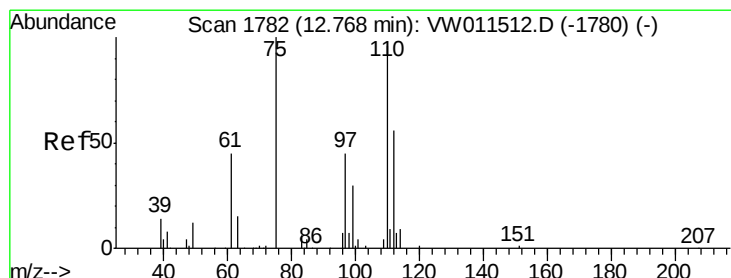
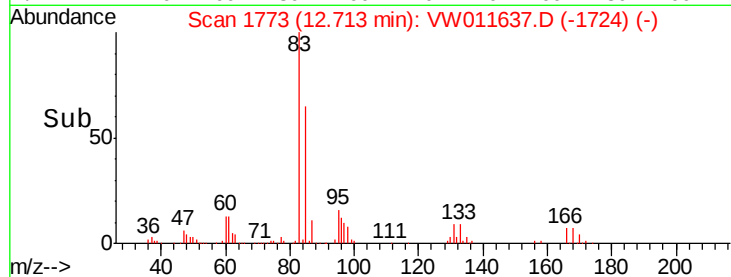
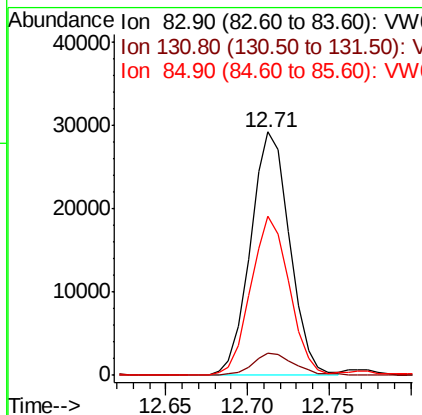
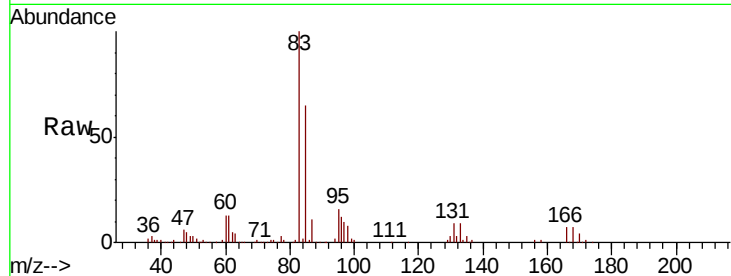
ClientSampleId :

VW0803SBS01

Tot Ion:	83	Resp:	48782
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	64.6	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 24.618 ug/l m

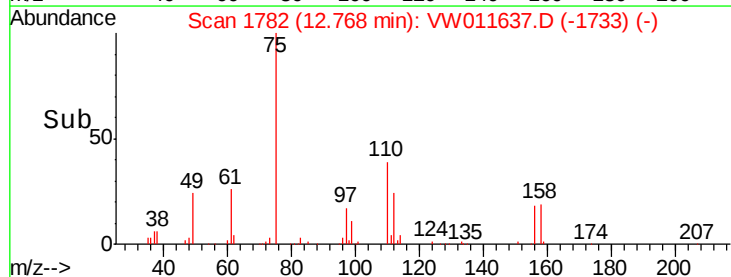
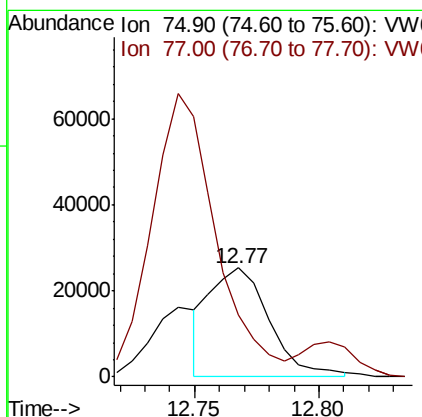
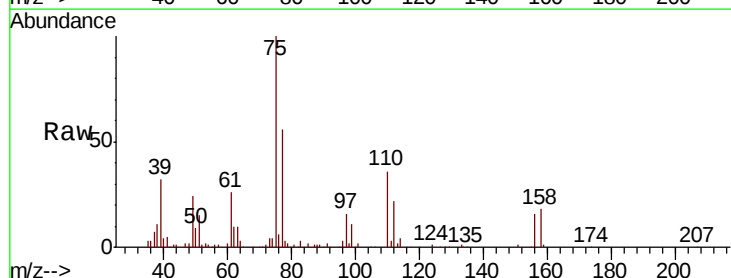
RT: 12.77 min Scan# 1782

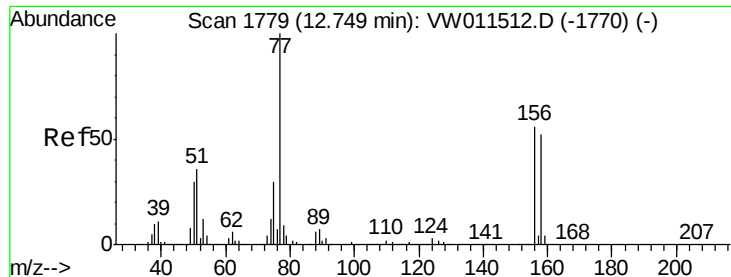
Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Tgt Ion:	75	Resp:	42177
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.167 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

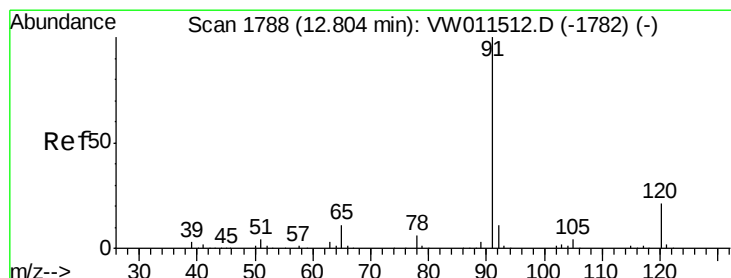
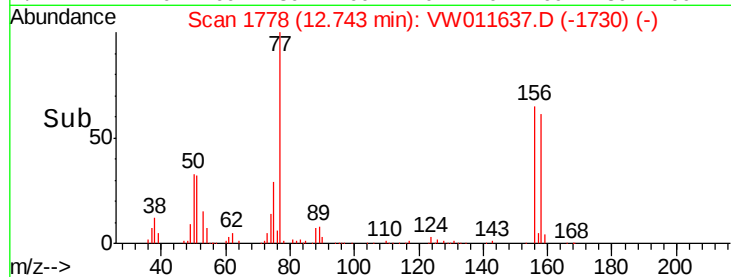
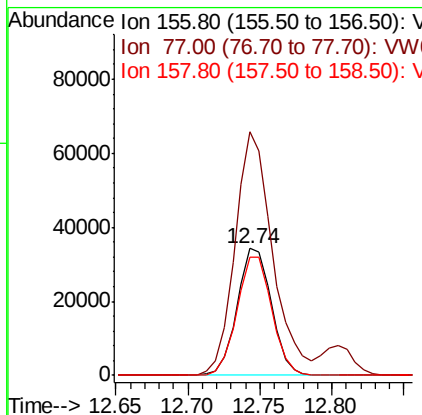
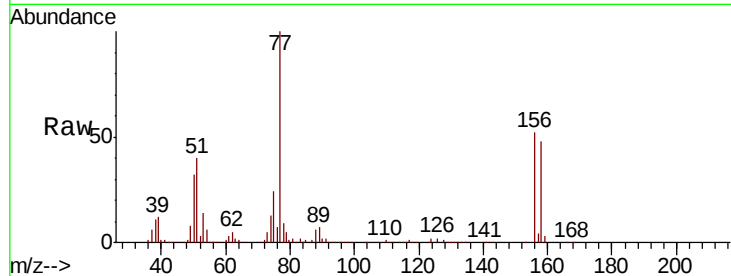
ClientSampleId :

VW0803SBSD01

Tot Ion:	156	Resp:	56515
Ion	Ratio	Lower	Upper
156	100		
77	210.9	106.5	319.4
158	95.1	48.0	144.2

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#78

n-propylbenzene

Concen: 19.823 ug/l

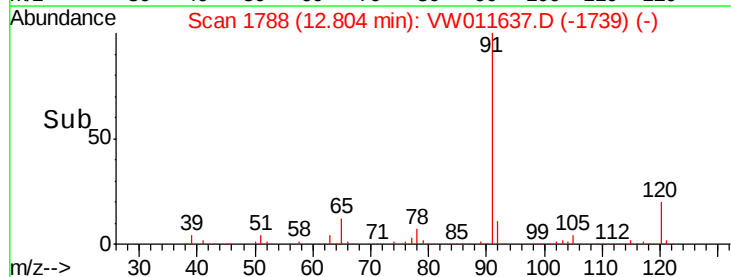
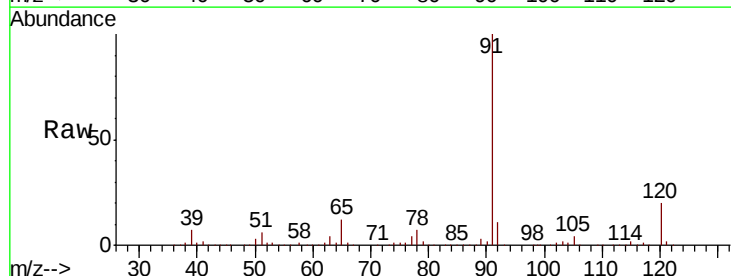
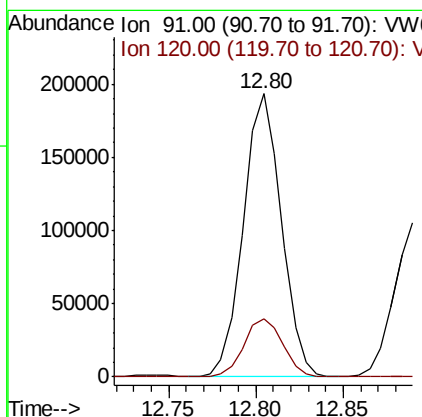
RT: 12.80 min Scan# 1788

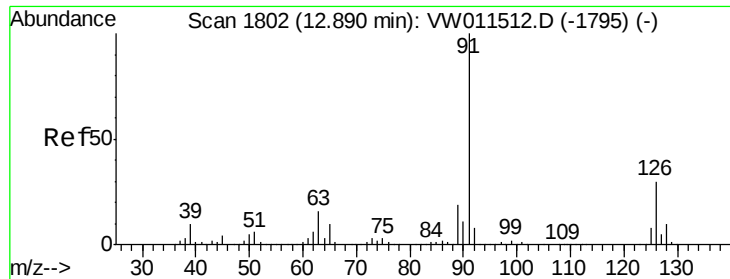
Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Tgt Ion:	91	Resp:	291415
Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.9	32.7





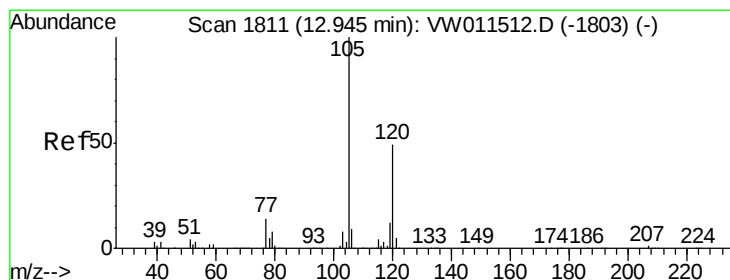
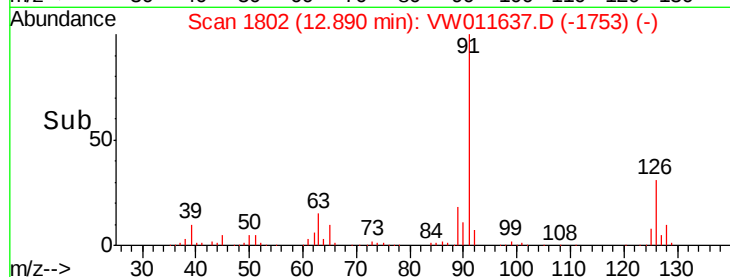
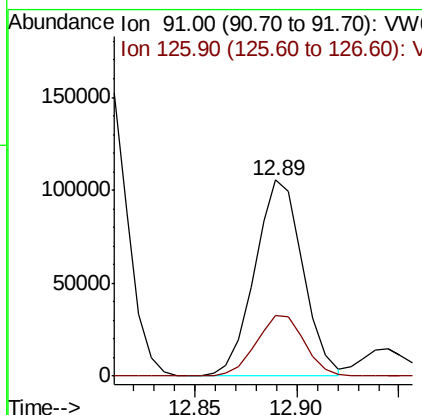
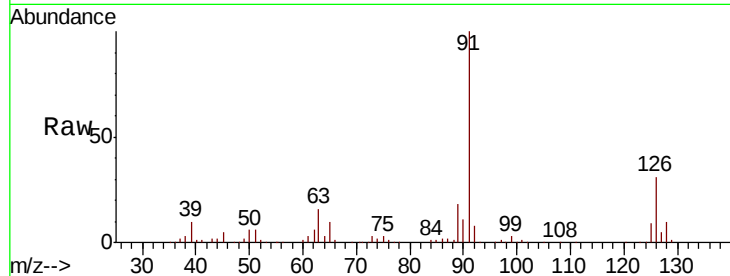
#79
 2-Chlorotoluene
 Concen: 20.374 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Instrument :
 MSVOA_W
 ClientSampled :
 VW0803SBS01

Tot Ion: 91 Resp: 172550
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.7 47.1

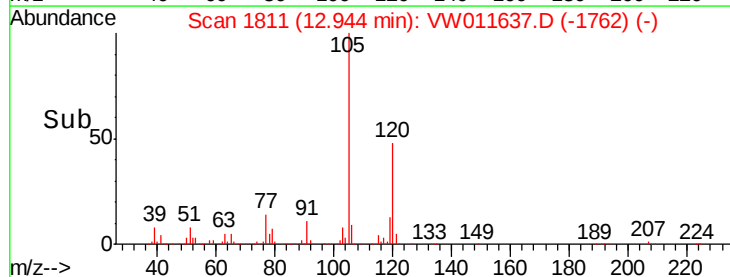
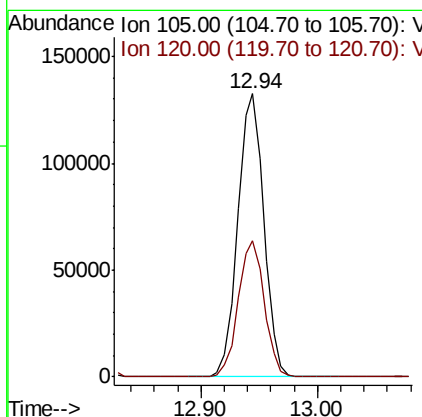
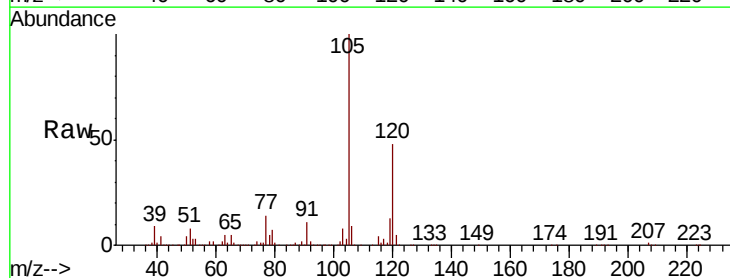
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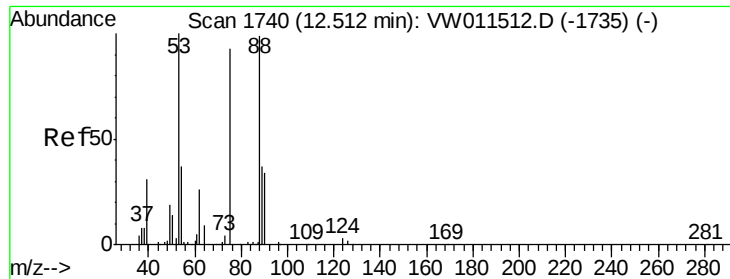
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.402 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Tgt Ion:105 Resp: 206583
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.3





#81

trans-1,4-Dichloro-2-butene

Concen: 18.978 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0803SBS01

Tot Ion: 75 Resp: 14108

Ion Ratio Lower Upper

75 100

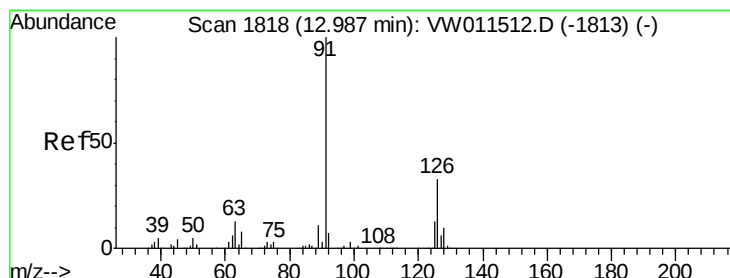
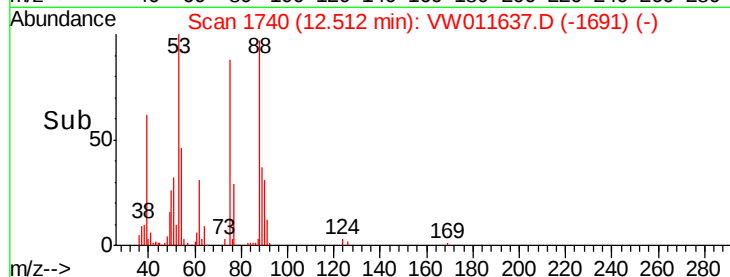
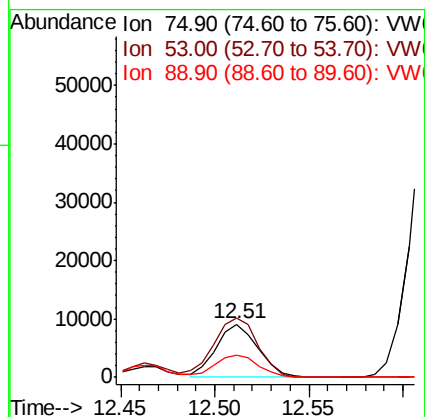
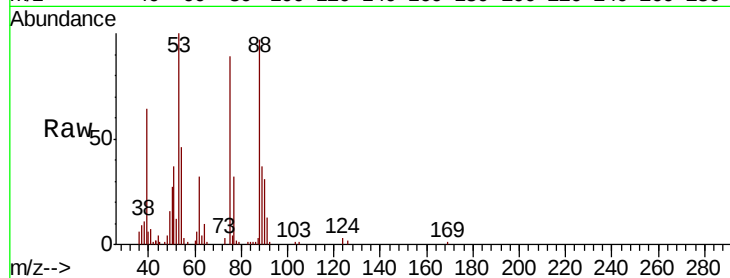
53 116.6 88.0 132.0

89 43.8 35.3 52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.451 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011637.D

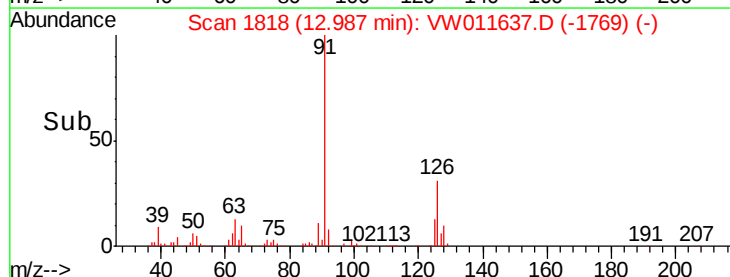
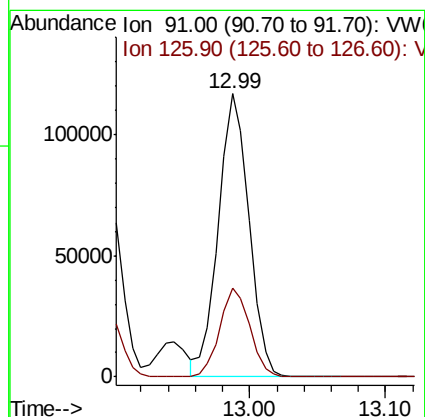
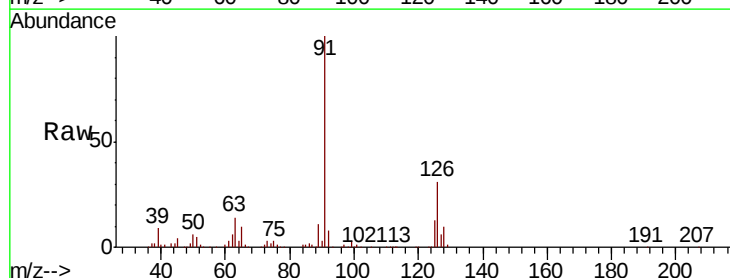
Acq: 02 Aug 2019 23:58

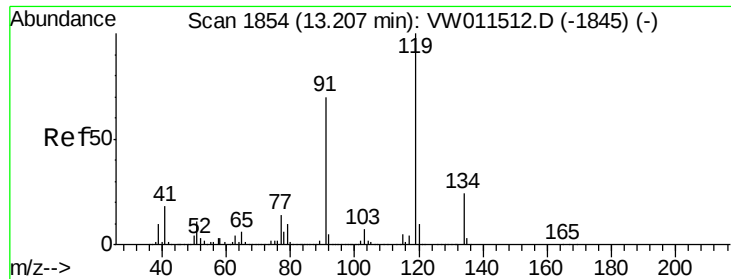
Tgt Ion: 91 Resp: 181722

Ion Ratio Lower Upper

91 100

126 30.8 15.6 46.8





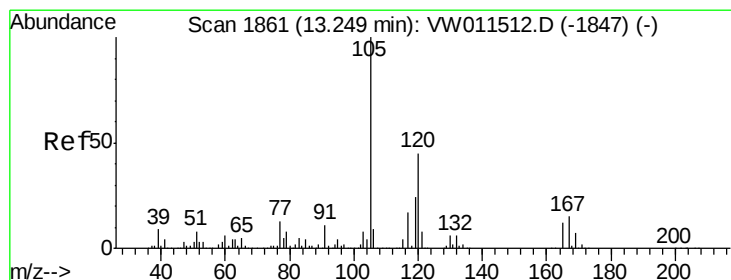
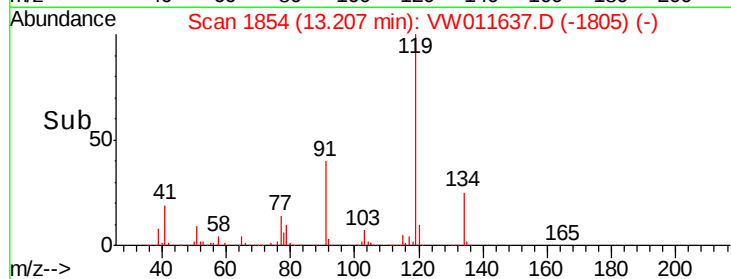
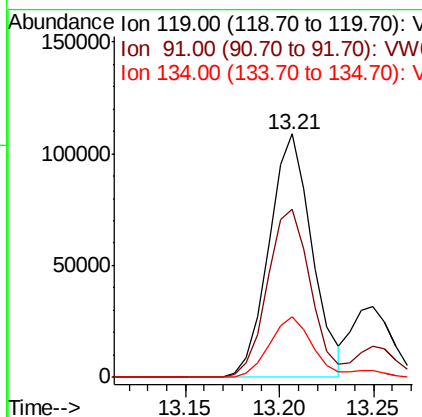
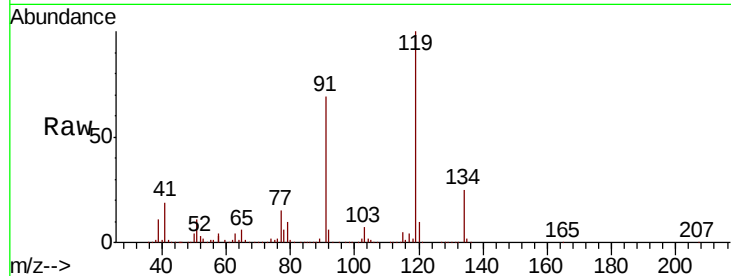
#83
tert-Butylbenzene
Concen: 20.359 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	172394		
91	69.1	34.5	103.6	
134	24.8	12.4	37.4	

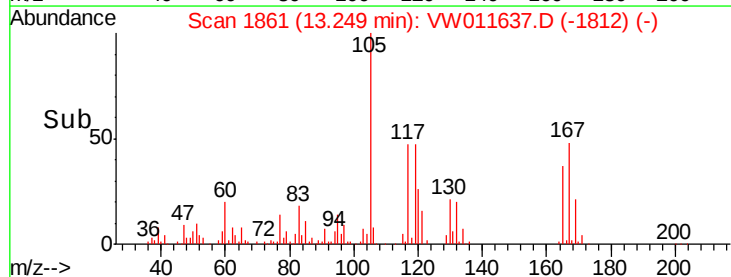
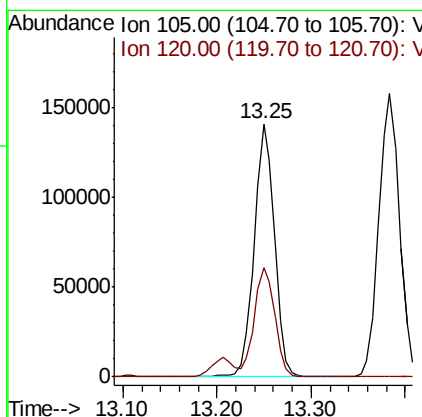
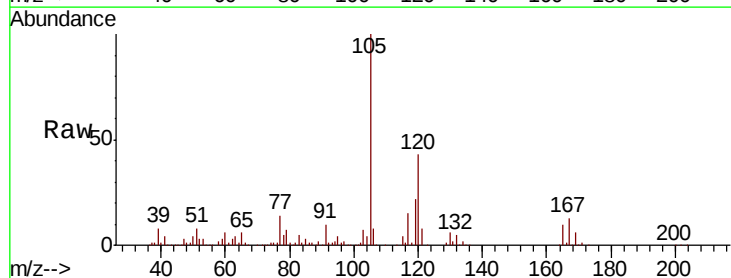
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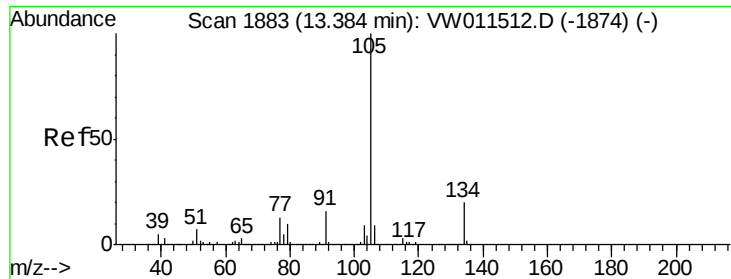
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#84
1,2,4-Trimethylbenzene
Concen: 20.657 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210701		
120	43.8	22.1	66.5	





#85

sec-Butylbenzene

Concen: 19.914 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

ClientSampleId :

VW0803SBS01

Tot Ion:105 Resp: 240608

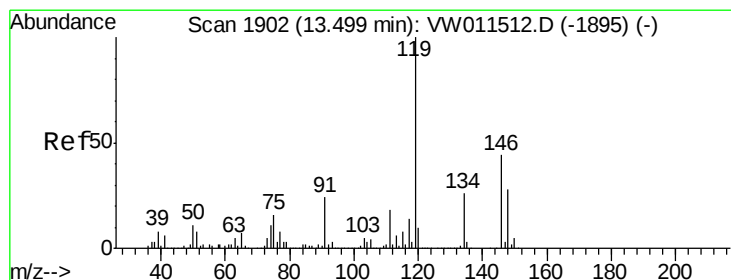
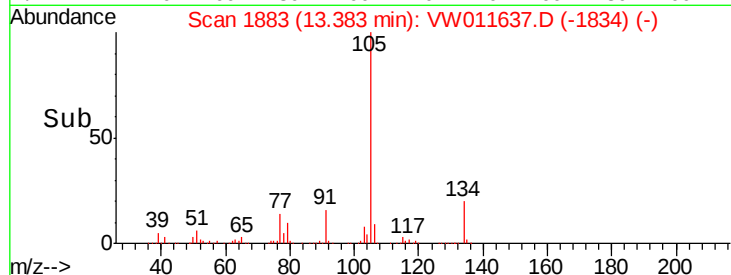
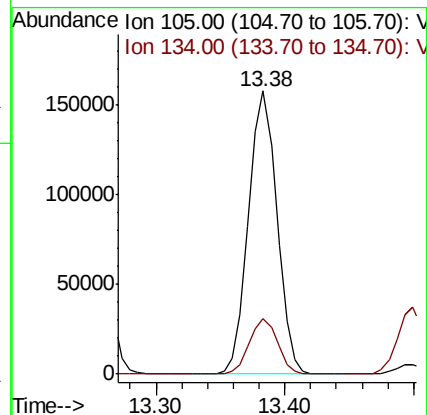
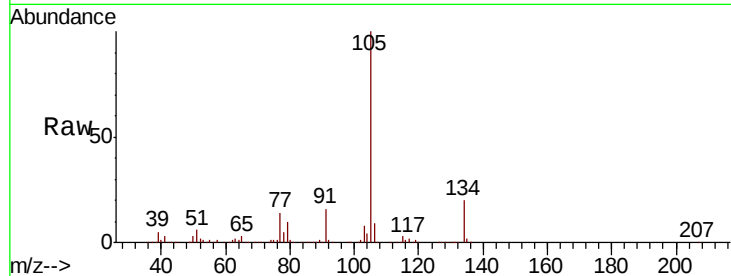
Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 19.872 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

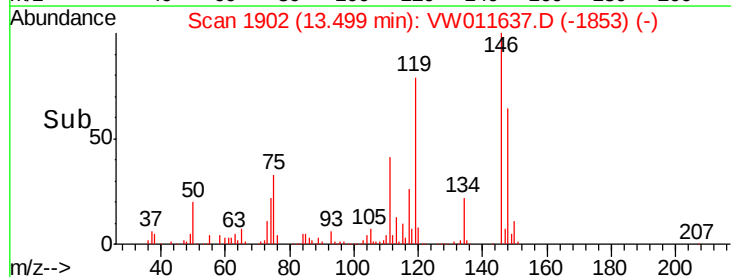
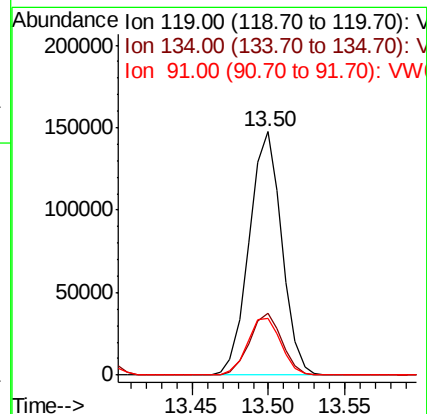
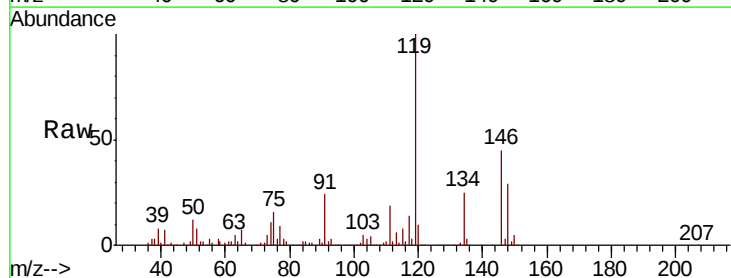
Tgt Ion:119 Resp: 217839

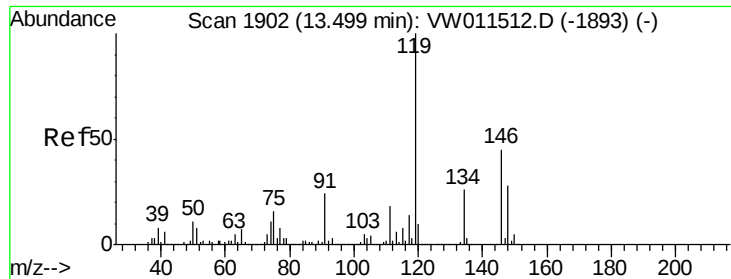
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.4

91 24.3 12.1 36.3





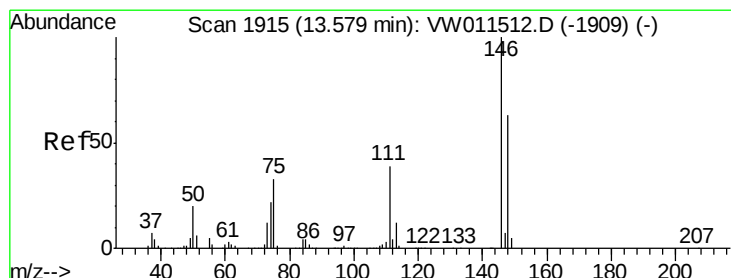
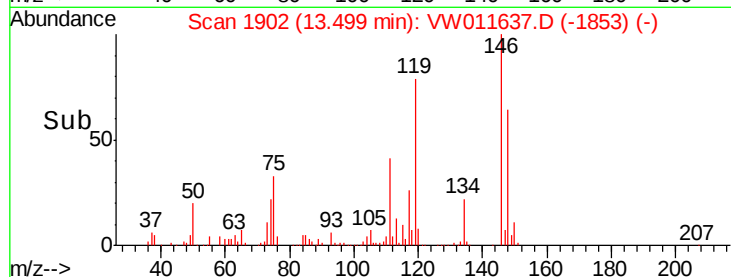
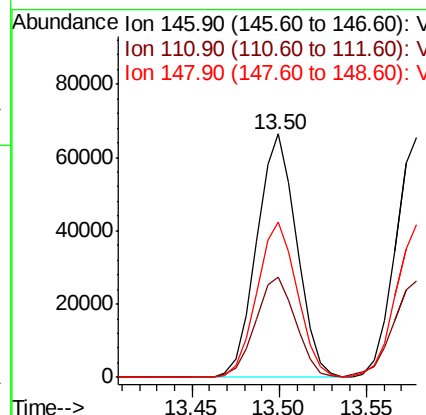
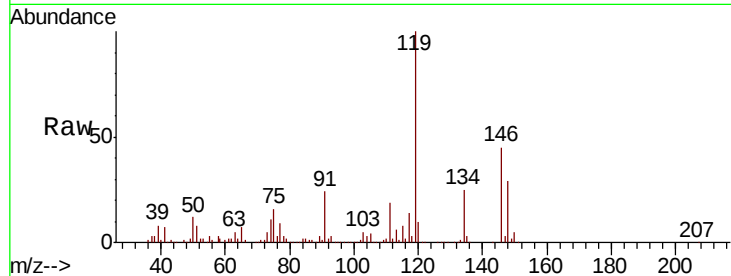
#87
 1,3-Dichlorobenzene
 Concen: 20.136 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	105417		
111	41.5	20.5	61.6	
148	64.1	31.8	95.3	

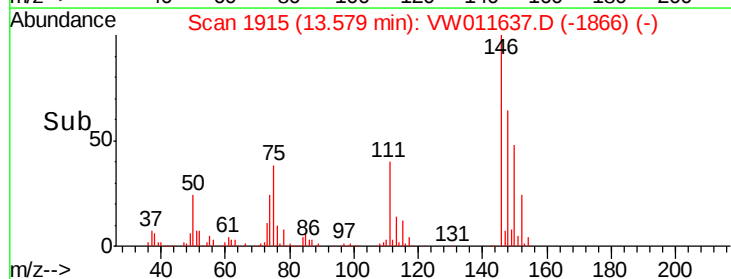
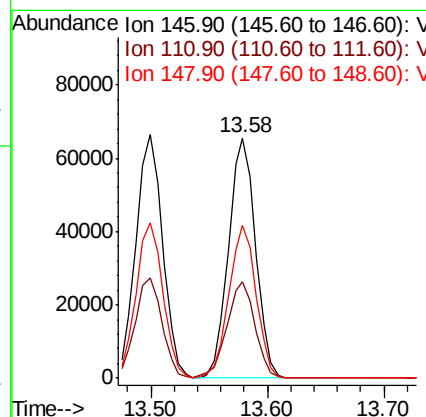
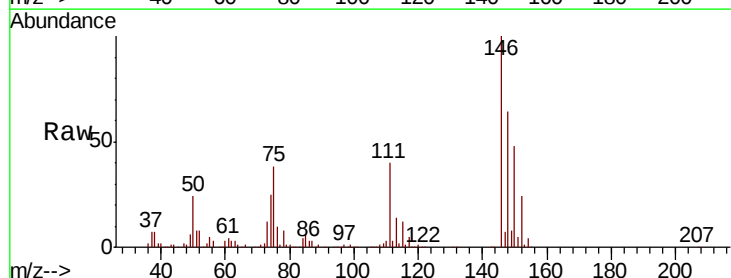
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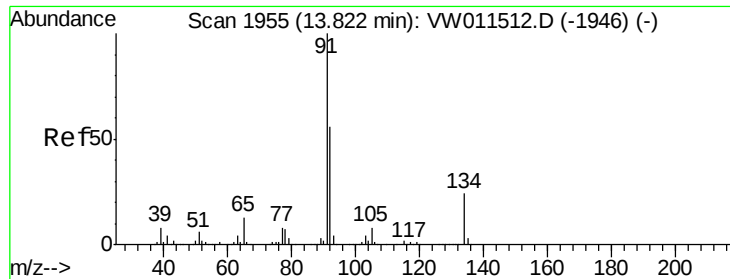
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#88
 1,4-Dichlorobenzene
 Concen: 20.181 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	105097		
111	41.9	20.1	60.2	
148	64.3	31.9	95.9	





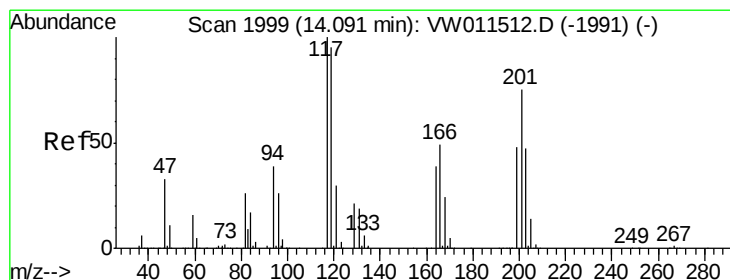
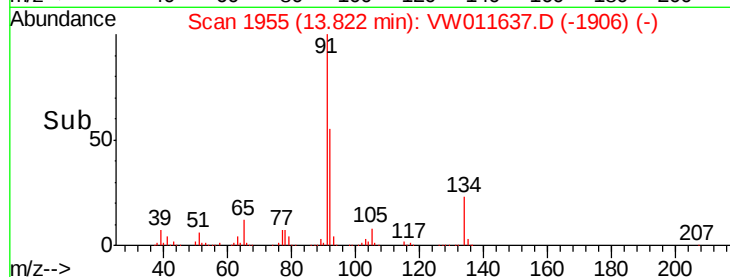
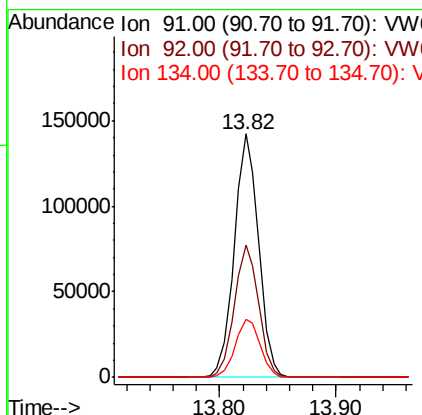
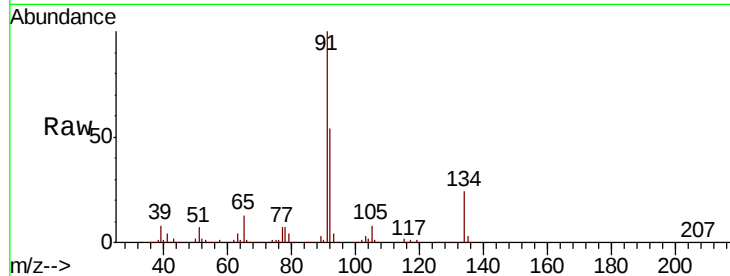
#89
n-Butylbenzene
Concen: 18.906 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	206831		
92	54.2		27.5	82.4
134	24.4		12.2	36.6

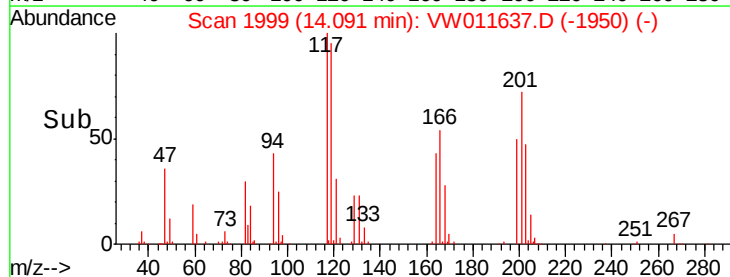
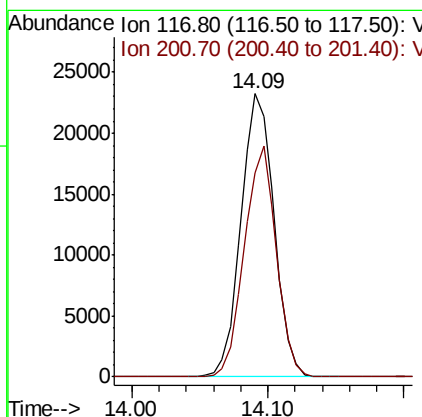
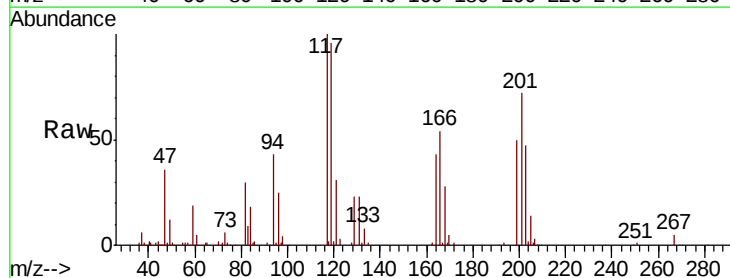
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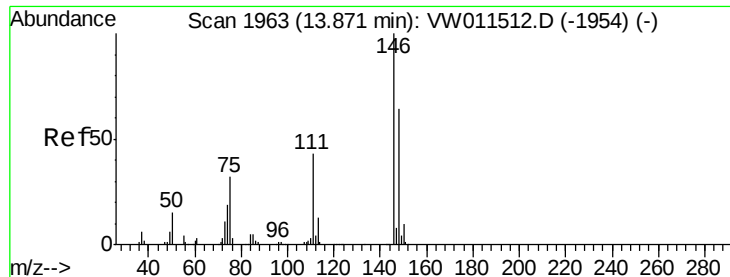
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#90
Hexachloroethane
Concen: 20.317 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39384		
201	78.8		39.4	118.2





#91

1,2-Dichlorobenzene

Concen: 20.899 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011637.D

Acq: 02 Aug 2019 23:58

Instrument :

MSVOA_W

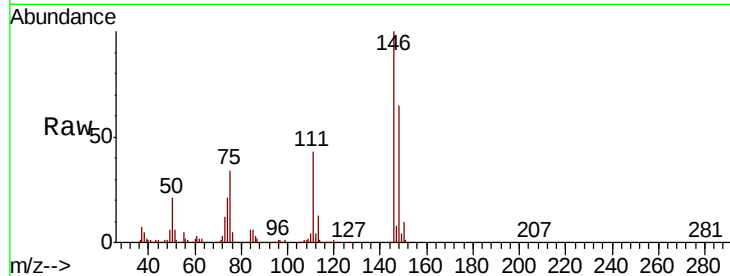
ClientSampleId :

VW0803SBSD01

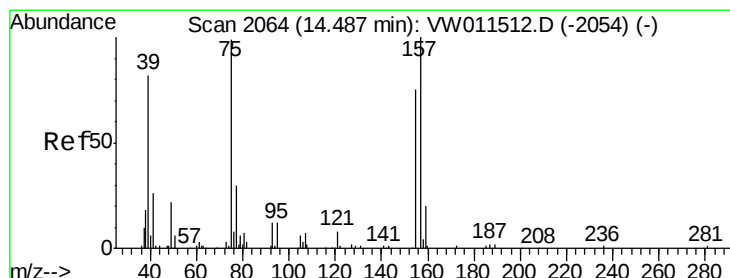
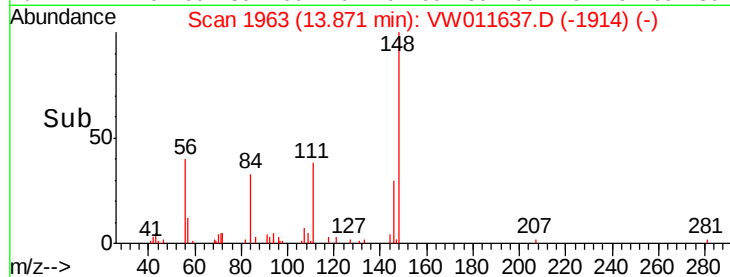
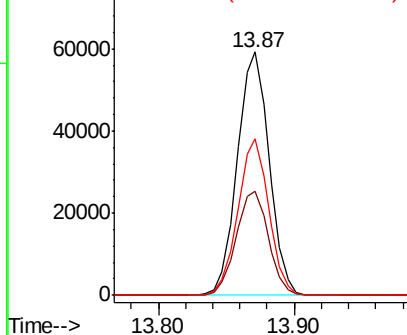
Tot Ion:	146	Resp:	96770
Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	62.6	32.0	96.2

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.967 ug/l

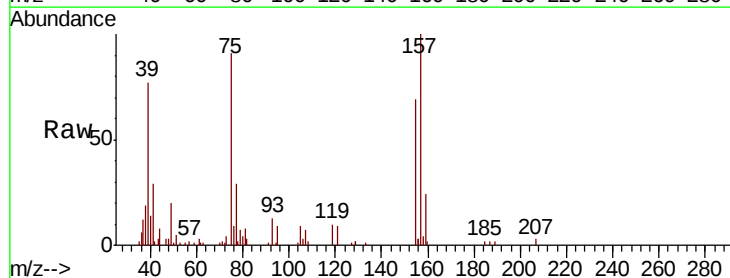
RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

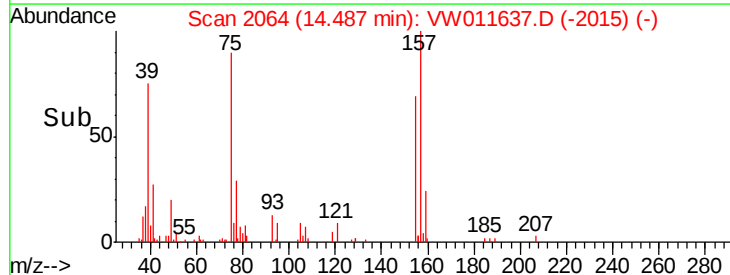
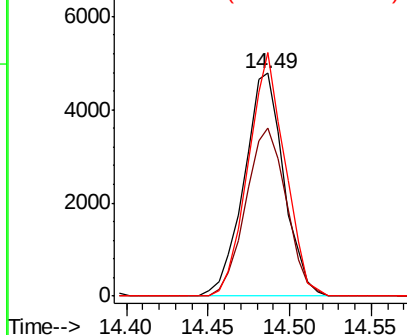
Lab File: VW011637.D

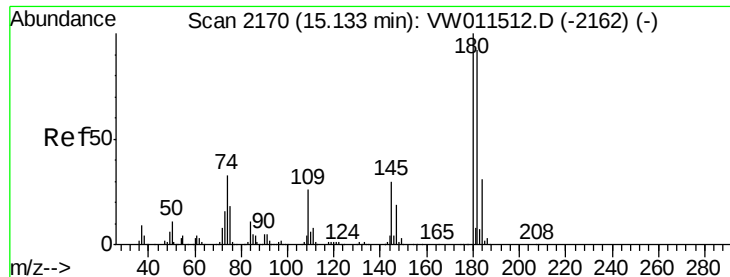
Acq: 02 Aug 2019 23:58

Tgt Ion:	75	Resp:	8124
Ion	Ratio	Lower	Upper
75	100		
155	76.9	38.2	114.6
157	100.8	48.9	146.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





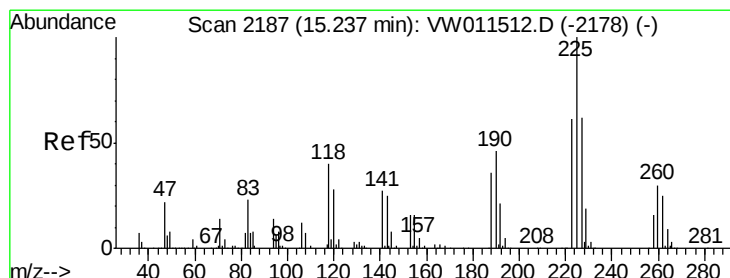
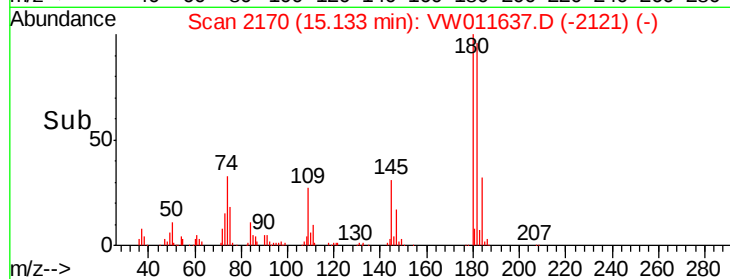
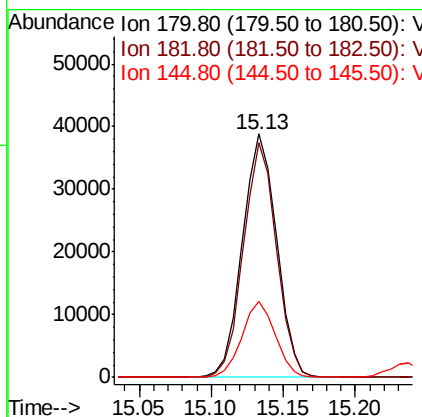
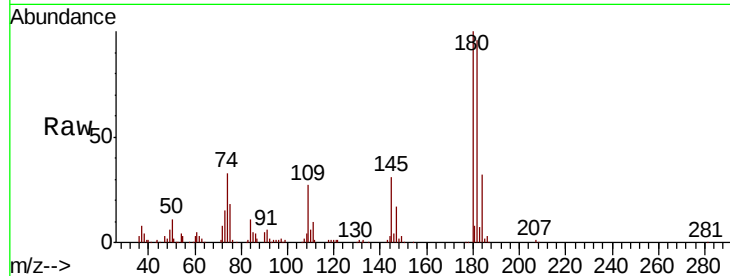
#93
 1,2,4-Trichlorobenzene
 Concen: 19.563 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0803SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	63838		
182	93.1		47.4	142.2
145	30.3		15.4	46.1

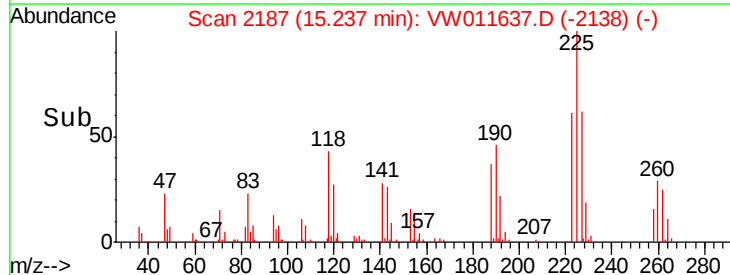
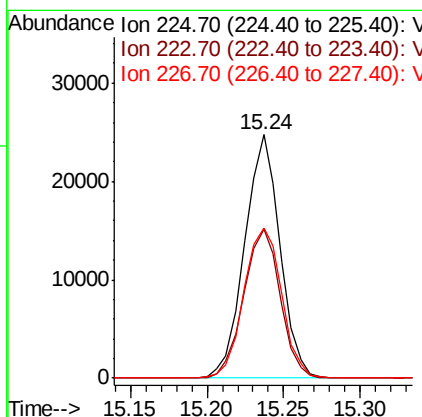
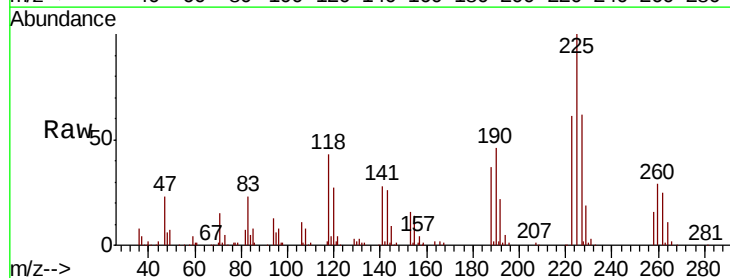
Manual Integrations
 APPROVED

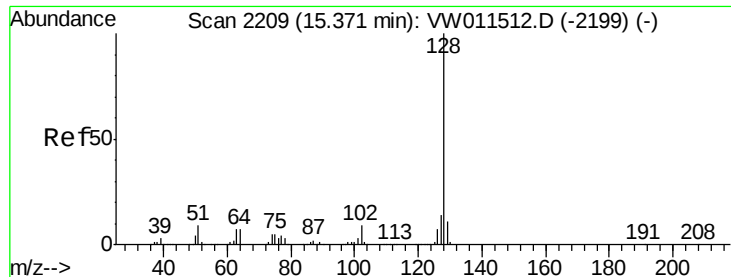
MMDadoda
 8/6/2019 9:20:04 AM



#94
 Hexachlorobutadiene
 Concen: 19.479 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011637.D
 Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39640		
223	63.4		30.8	92.3
227	66.2		31.6	94.7





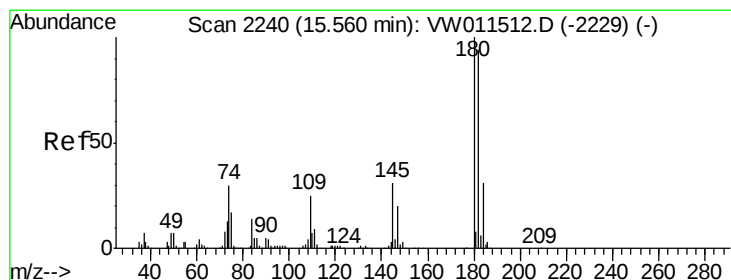
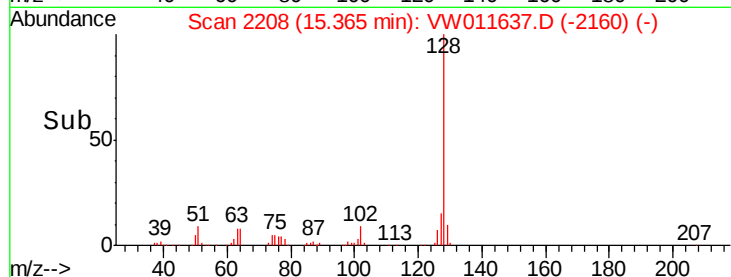
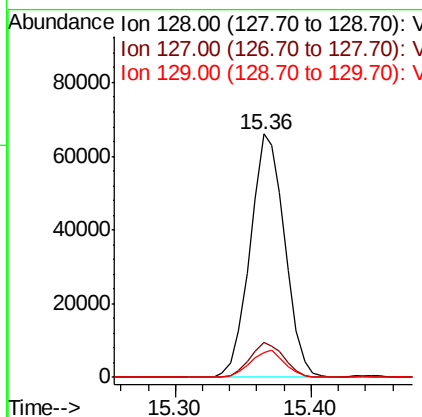
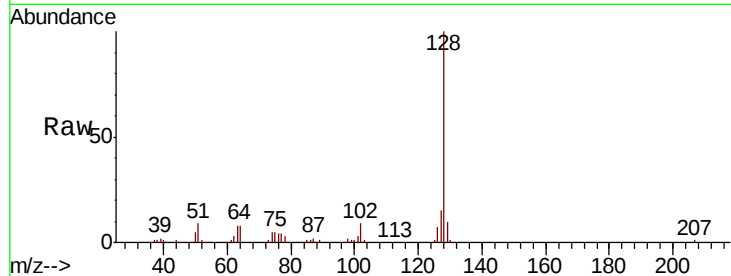
#95
Naphthalene
Concen: 19.700 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Instrument :
MSVOA_W
ClientSampleId :
VW0803SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/6/2019 9:20:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.944 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011637.D
Acq: 02 Aug 2019 23:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.2
145	32.1	15.9	47.7

