

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012788.D
 Acq On : 08 Sep 2019 23:56
 Operator : SY/VA
 Sample : VW0908SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 11:24:44 AM

Quant Time: Sep 09 07:23:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	299487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	125689	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	105734	44.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.90%	
35) Dibromofluoromethane	7.88	113	83063	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
50) Toluene-d8	10.32	98	334856	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
62) 4-Bromofluorobenzene	12.62	95	112366	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	25229	22.105	ug/l	97
3) Chloromethane	2.21	50	29440	21.225	ug/l	89
4) Vinyl Chloride	2.36	62	38695	22.753	ug/l	99
5) Bromomethane	2.77	94	20409	22.100	ug/l	96
6) Chloroethane	2.90	64	22031	21.708	ug/l	99
7) Trichlorofluoromethane	3.24	101	21095	17.975	ug/l	100
8) Diethyl Ether	3.68	74	17641	17.885	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39139	21.251	ug/l	96
10) Methyl Iodide	4.26	142	44847	19.343	ug/l	97
11) Tert butyl alcohol	5.21	59	14660m	81.457	ug/l	
12) 1,1-Dichloroethene	4.03	96	34671	19.942	ug/l	96
13) Acrolein	3.89	56	12119	63.455	ug/l	99
14) Allyl chloride	4.66	41	62790	17.459	ug/l	96
15) Acrylonitrile	5.37	53	49854	86.535	ug/l	99
16) Acetone	4.14	43	44221	68.958	ug/l	99
17) Carbon Disulfide	4.37	76	71469	19.366	ug/l #	95
18) Methyl Acetate	4.67	43	26240	17.441	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	63362	18.377	ug/l	91
20) Methylene Chloride	4.91	84	36198	18.043	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	37242	20.994	ug/l	94
22) Diisopropyl ether	6.31	45	129918	18.213	ug/l #	92
23) Vinyl Acetate	6.25	43	385771	85.337	ug/l	100
24) 1,1-Dichloroethane	6.20	63	74634	19.432	ug/l	100
25) 2-Butanone	7.17	43	69072	87.074	ug/l	98
26) 2,2-Dichloropropane	7.17	77	42631	17.574	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	40776	19.824	ug/l	97
28) Bromochloromethane	7.51	49	29182	16.547	ug/l #	92
29) Tetrahydrofuran	7.53	42	44181	85.316	ug/l	96
30) Chloroform	7.67	83	74847	19.663	ug/l	99
31) Cyclohexane	7.95	56	70067	20.264	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	64556	20.923	ug/l	99
36) 1,1-Dichloropropene	8.08	75	58659	22.044	ug/l	99
37) Ethyl Acetate	7.26	43	31515	18.578	ug/l	99
38) Carbon Tetrachloride	8.07	117	59631	22.733	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	67125	22.460	ug/l	98
40) Benzene	8.32	78	154854	20.974	ug/l	98
41) Methacrylonitrile	7.48	41	20065	19.903	ug/l	94
42) 1,2-Dichloroethane	8.40	62	53568	20.616	ug/l	99
43) Isopropyl Acetate	8.42	43	58550	18.218	ug/l	96
44) Trichloroethene	9.09	130	41823	21.976	ug/l	88
45) 1,2-Dichloropropane	9.37	63	39857	19.464	ug/l	96
46) Dibromomethane	9.46	93	19299	19.903	ug/l	98
47) Bromodichloromethane	9.64	83	51999	19.492	ug/l	99
48) Methyl methacrylate	9.43	41	27508	17.911	ug/l	97
49) 1,4-Dioxane	9.47	88	6560	342.492	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	153644	91.109	ug/l	98
52) Toluene	10.38	92	96219	20.881	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	50065	18.251	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	58140	18.683	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	27927	19.237	ug/l	97
56) Ethyl methacrylate	10.65	69	39331	18.509	ug/l	99
57) 1,3-Dichloropropane	10.93	76	52410	19.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	104500	92.631	ug/l	96
59) 2-Hexanone	10.97	43	104432	84.764	ug/l	100
60) Dibromochloromethane	11.13	129	32613	19.102	ug/l	99
61) 1,2-Dibromoethane	11.23	107	25840	19.415	ug/l	96
64) Tetrachloroethene	10.86	164	39302	25.302	ug/l	93
65) Chlorobenzene	11.65	112	99872	20.642	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	36767	20.406	ug/l	97
67) Ethyl Benzene	11.73	91	189699	20.897	ug/l	98
68) m/p-Xylenes	11.84	106	137565	41.983	ug/l	100
69) o-Xylene	12.16	106	64030	20.713	ug/l	100
70) Styrene	12.18	104	109363	20.020	ug/l	98
71) Bromoform	12.35	173	19889	19.868	ug/l #	94
73) Isopropylbenzene	12.46	105	188129	20.869	ug/l	100
74) N-amyl acetate	12.27	43	51375	17.954	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	34287	18.939	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27379m	21.303	ug/l	
77) Bromobenzene	12.74	156	42700	20.907	ug/l	94
78) n-propylbenzene	12.80	91	223295	20.711	ug/l	100
79) 2-Chlorotoluene	12.89	91	126527	20.442	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	156500	20.602	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10194	16.776	ug/l	96
82) 4-Chlorotoluene	12.99	91	132788	20.282	ug/l	99
83) tert-Butylbenzene	13.21	119	141353	21.045	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	155836	20.360	ug/l	99
85) sec-Butylbenzene	13.38	105	193589	20.771	ug/l	99
86) p-Isopropyltoluene	13.49	119	173466	20.376	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	81304	20.253	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	79702	19.953	ug/l	99
89) n-Butylbenzene	13.82	91	161916	19.591	ug/l	99
90) Hexachloroethane	14.09	117	30437	20.480	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	73035	20.213	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5734	17.307	ug/l	95

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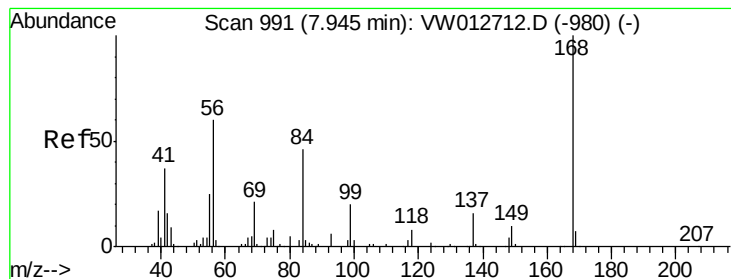
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	48459	19.263	ug/l	98
94) Hexachlorobutadiene	15.24	225	35960	20.652	ug/l	99
95) Naphthalene	15.36	128	84630	19.063	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	43378	19.535	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion:168 Resp: 210525

Ion Ratio Lower Upper

168 100

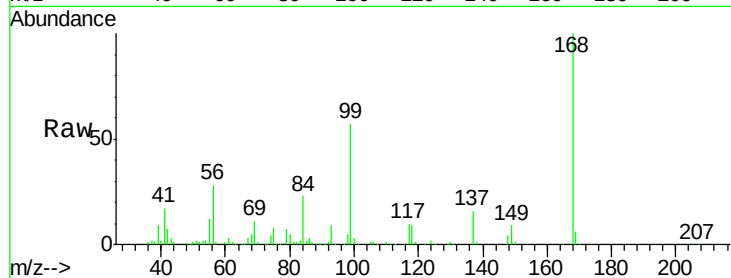
99 56.9 47.8 71.6

Manual Integrations

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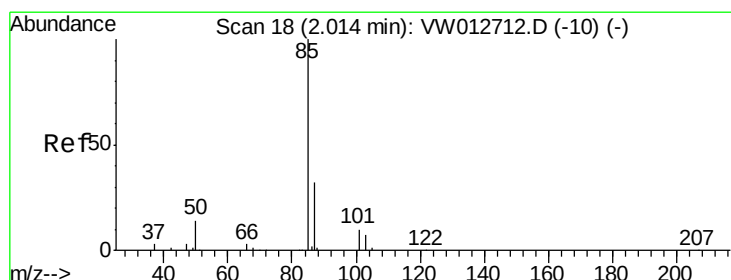
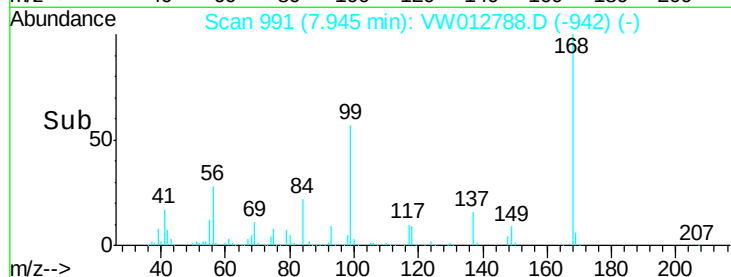
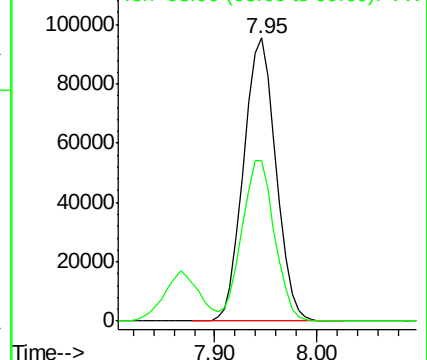
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.105 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW012788.D

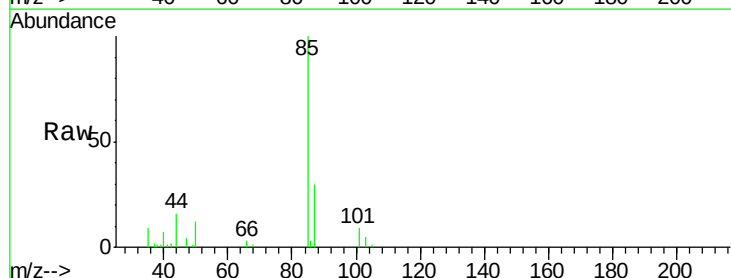
Acq: 08 Sep 2019 23:56

Tgt Ion: 85 Resp: 25229

Ion Ratio Lower Upper

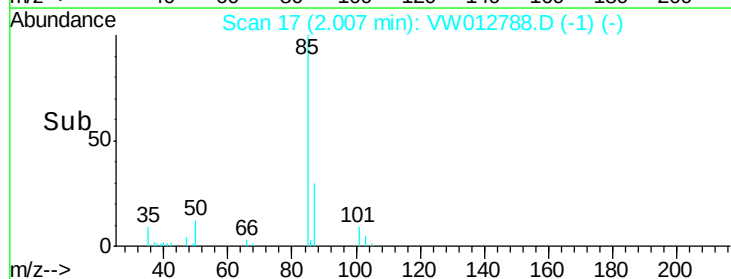
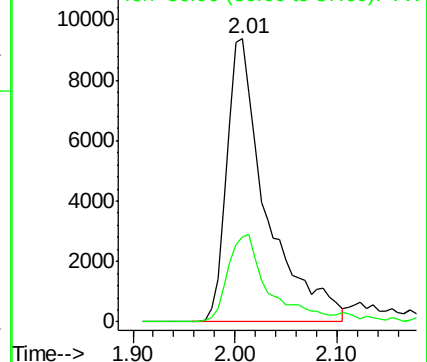
85 100

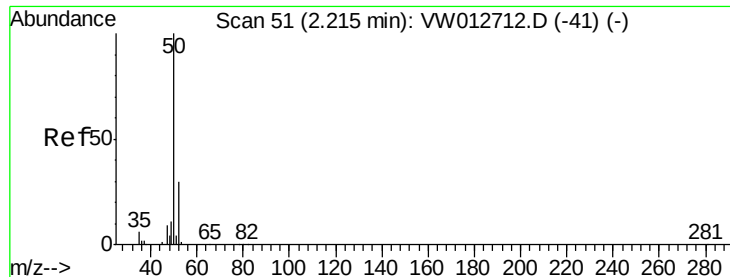
87 30.0 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.225 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 50 Resp: 29440

Ion Ratio Lower Upper

50 100

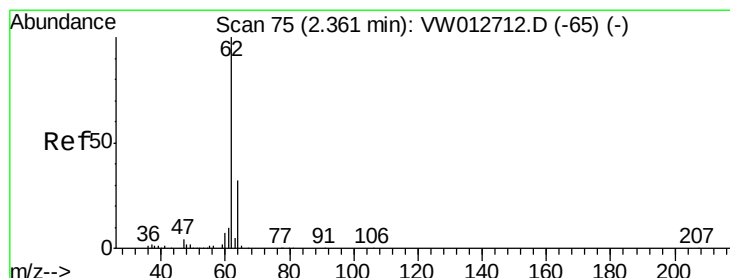
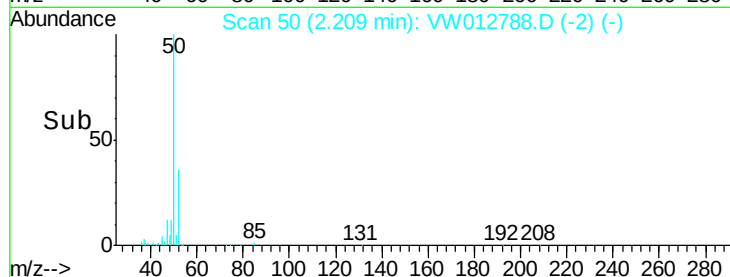
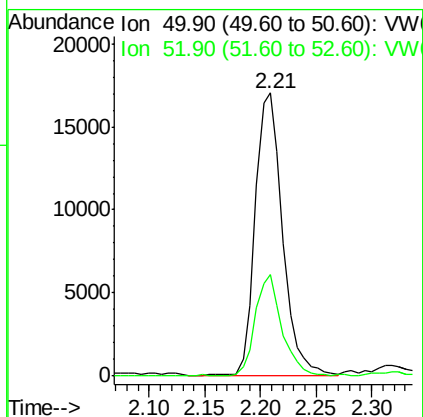
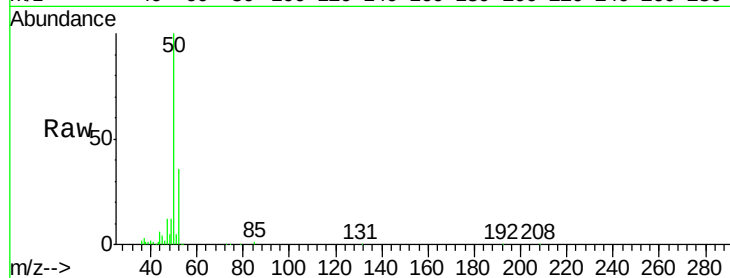
52 36.0 24.2 36.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.753 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012788.D

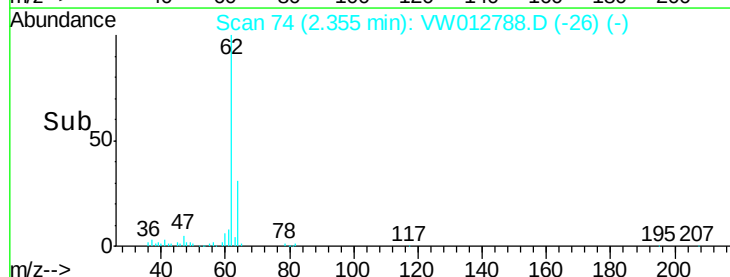
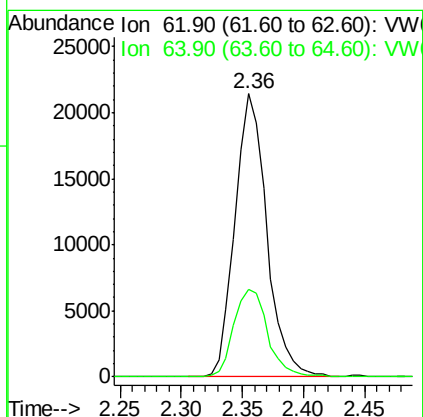
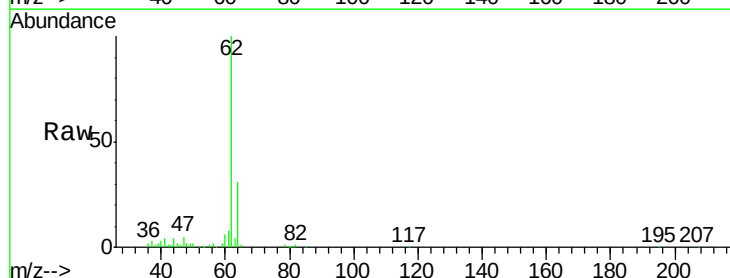
Acq: 08 Sep 2019 23:56

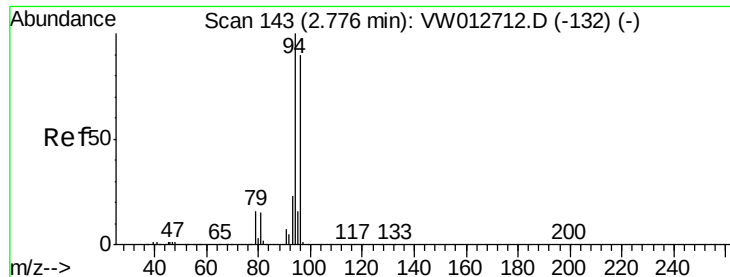
Tgt Ion: 62 Resp: 38695

Ion Ratio Lower Upper

62 100

64 31.0 25.3 37.9





#5

Bromomethane

Concen: 22.100 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 94 Resp: 20409

Ion Ratio Lower Upper

94 100

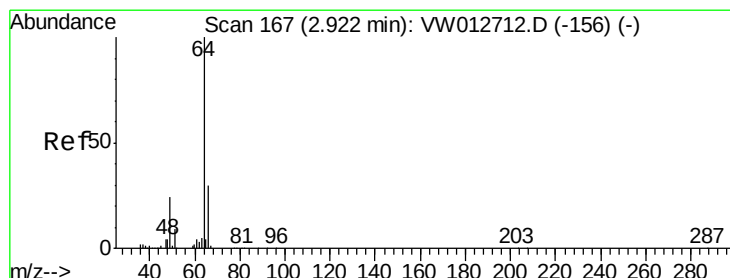
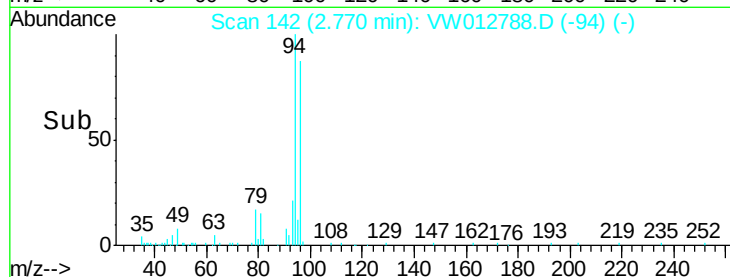
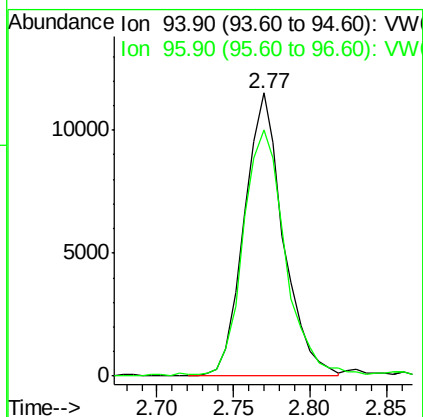
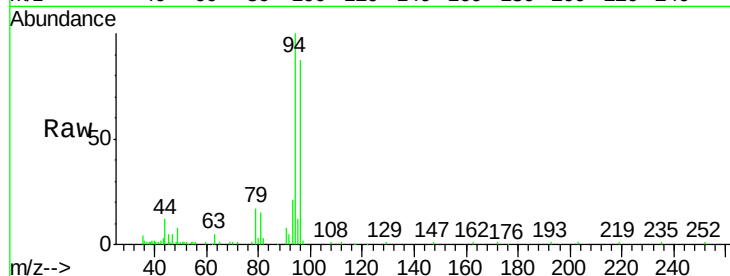
96 86.0 72.1 108.1

Manual Integrations

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9/9/2019 11:24:44 AM



#6

Chloroethane

Concen: 21.708 ug/l

RT: 2.90 min Scan# 163

Delta R.T. -0.02 min

Lab File: VW012788.D

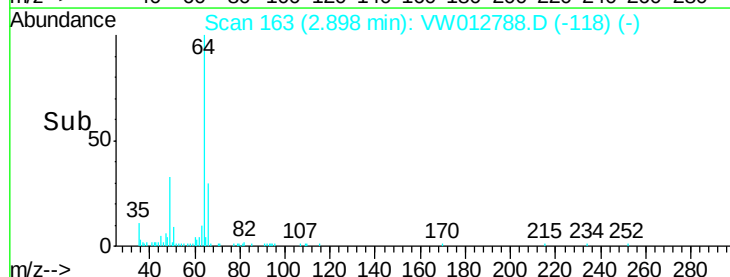
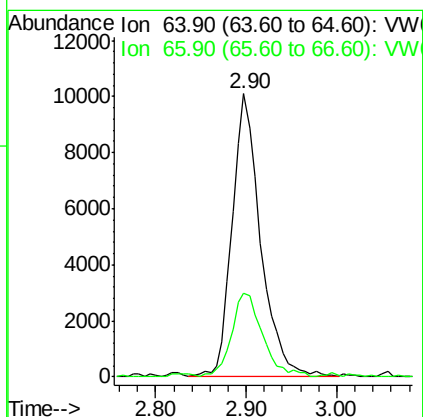
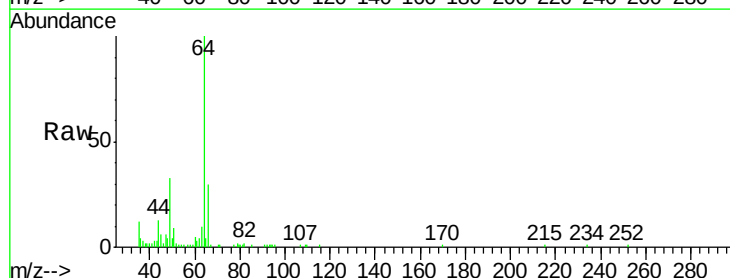
Acq: 08 Sep 2019 23:56

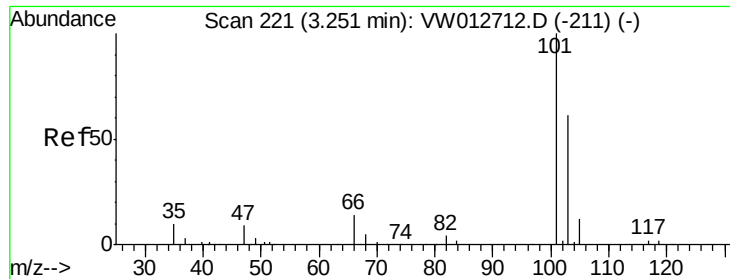
Tgt Ion: 64 Resp: 22031

Ion Ratio Lower Upper

64 100

66 29.1 23.8 35.6





#7

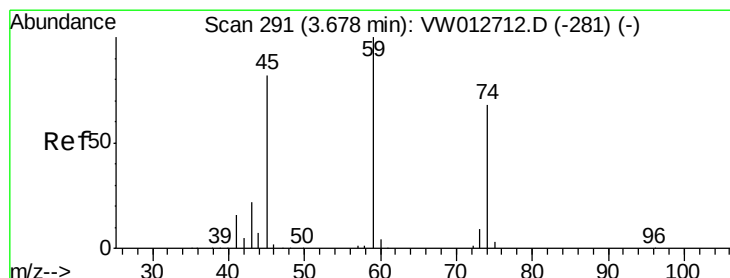
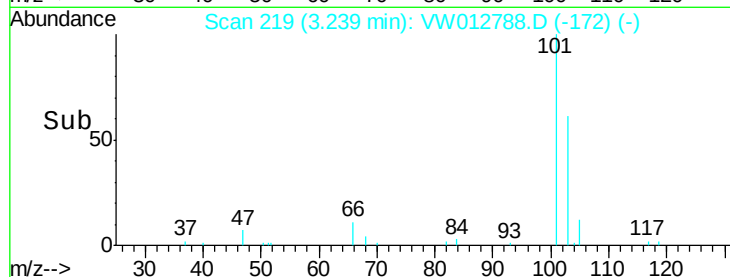
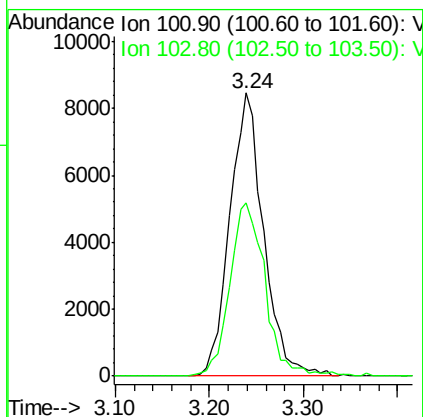
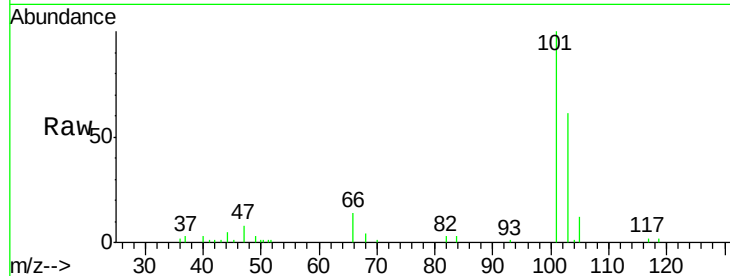
Trichlorofluoromethane
 Concen: 17.975 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	49.0	73.4

Manual Integrations
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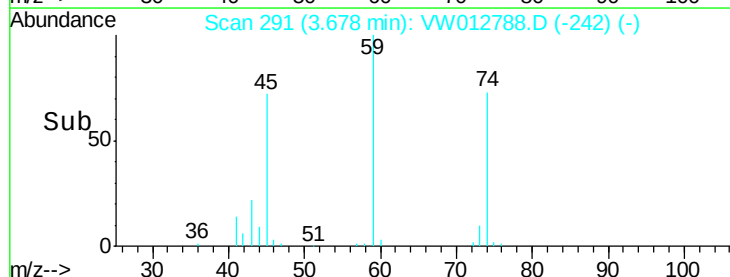
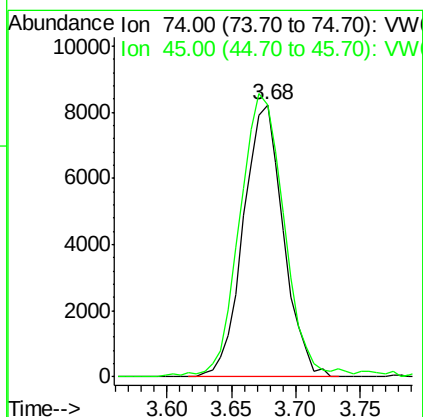
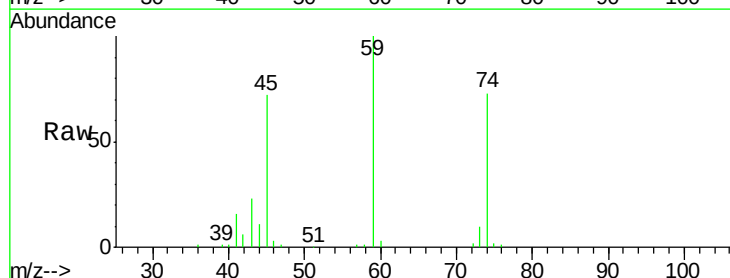
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 9/9/2019 11:24:44 AM

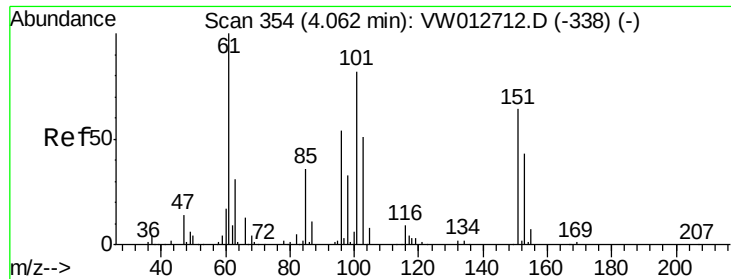


#8

Diethyl Ether
 Concen: 17.885 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.8	58.8	176.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.251 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

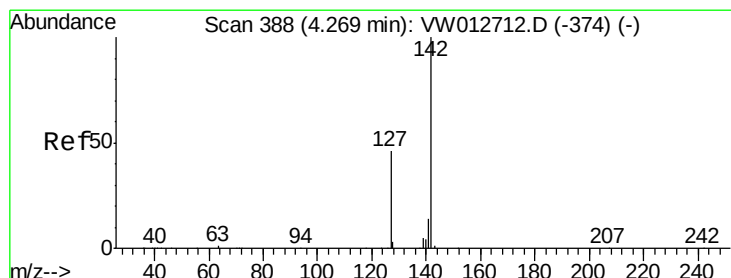
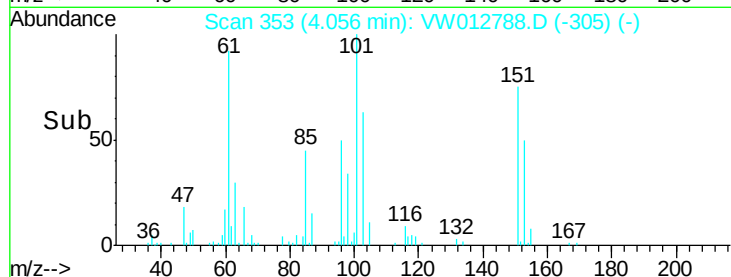
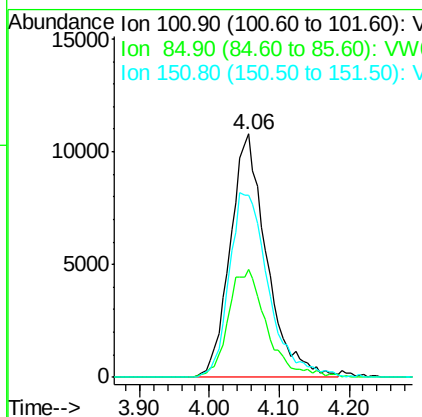
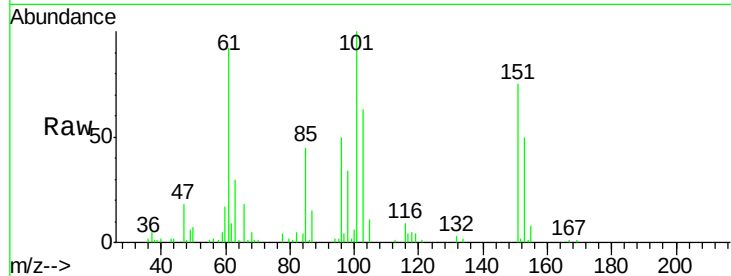
ClientSampleId :

VW0908SBS02

Tot Ion:	101	Resp:	39139
Ion Ratio	Lower	Upper	
101	100		
85	46.6	36.2	54.2
151	81.5	61.9	92.9

Manual Integrations
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#10

Methyl Iodide

Concen: 19.343 ug/l

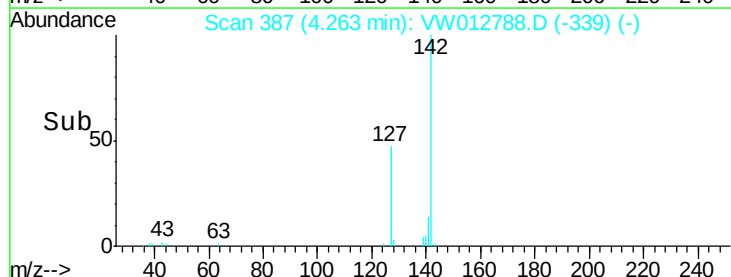
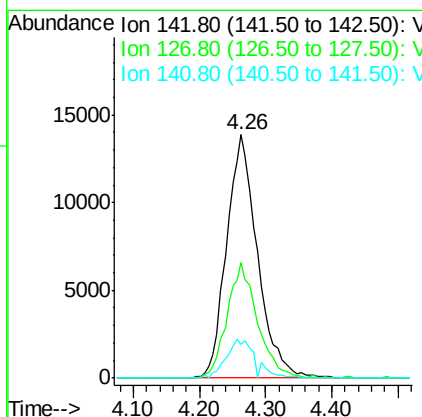
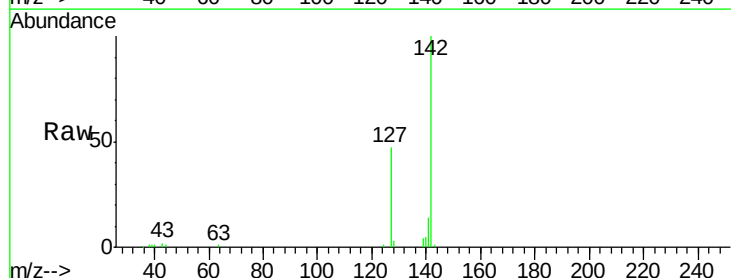
RT: 4.26 min Scan# 387

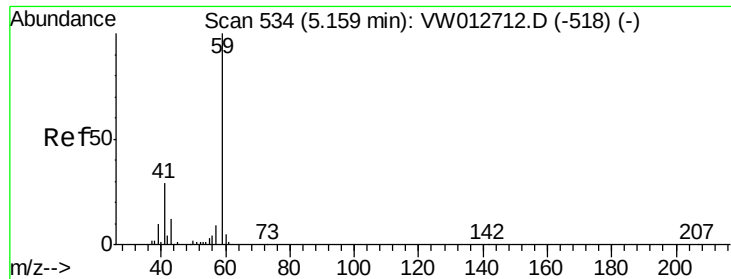
Delta R.T. -0.01 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Tgt Ion:	142	Resp:	44847
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.0	54.0
141	12.6	12.2	18.4





#11

Tert butyl alcohol

Concen: 81.457 ug/l m

RT: 5.21 min Scan# 542

Delta R.T. 0.05 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 59 Resp: 14660

Ion Ratio Lower Upper

59 100

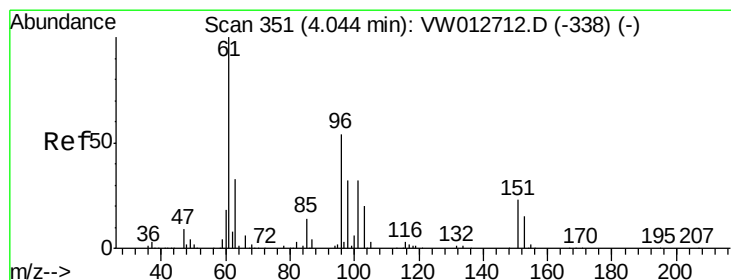
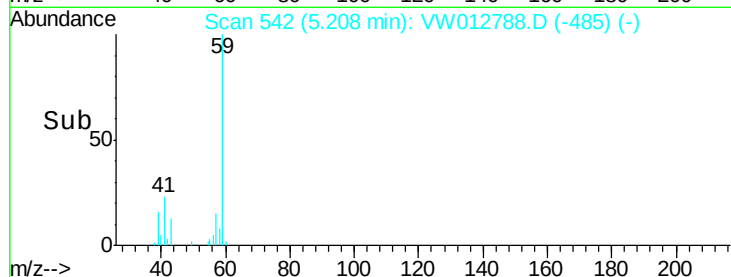
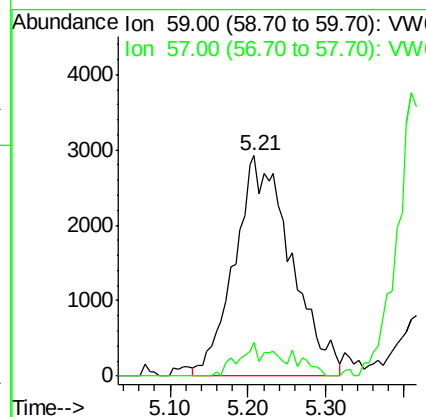
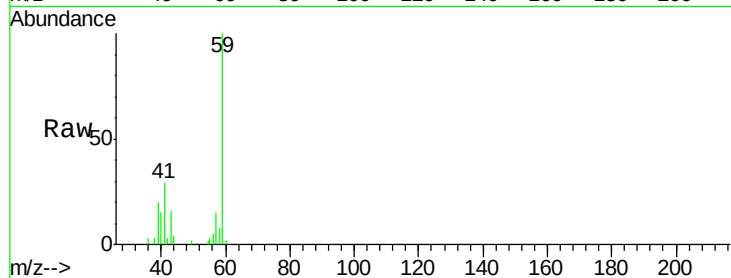
57 0.0 8.2 12.4#

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#12

1,1-Dichloroethene

Concen: 19.942 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

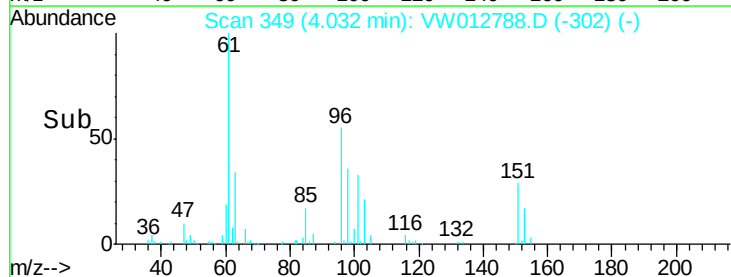
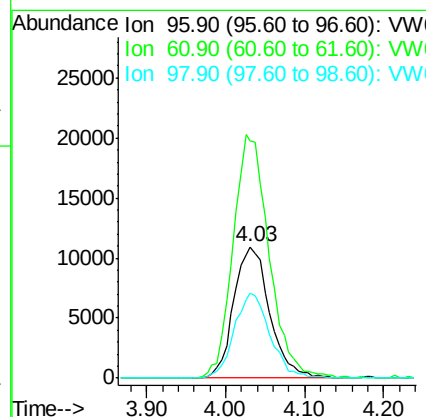
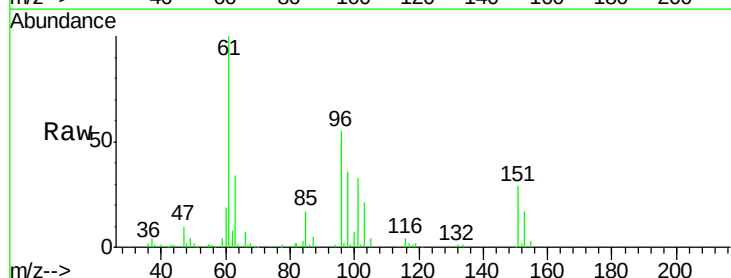
Tgt Ion: 96 Resp: 34671

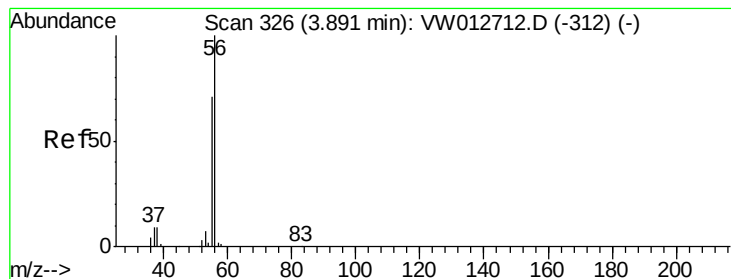
Ion Ratio Lower Upper

96 100

61 180.7 147.8 221.6

98 64.9 47.9 71.9





#13

Acrolein

Concen: 63.455 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 56 Resp: 12119

Ion Ratio Lower Upper

56 100

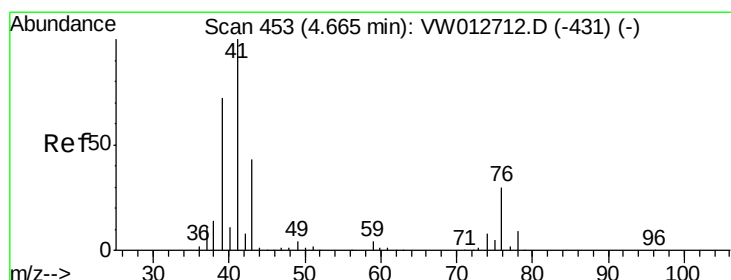
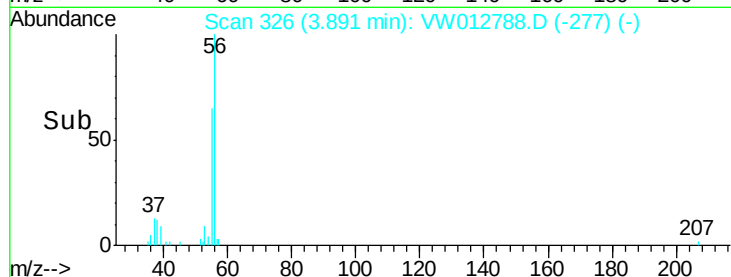
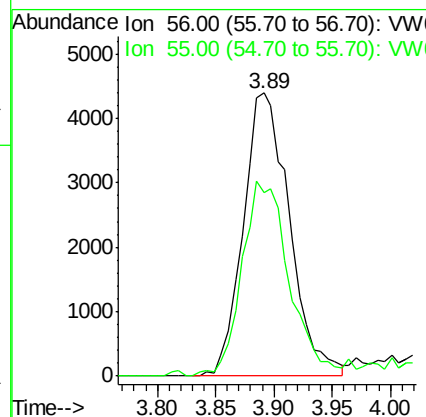
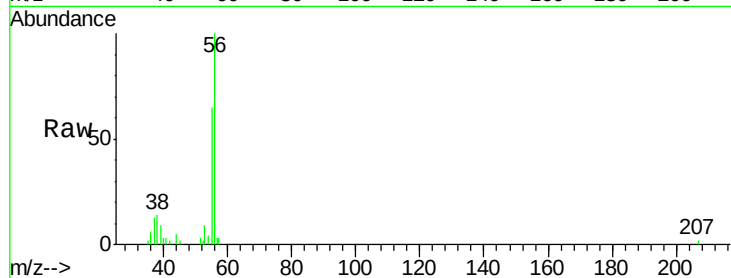
55 70.2 56.9 85.3

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#14

Allyl chloride

Concen: 17.459 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

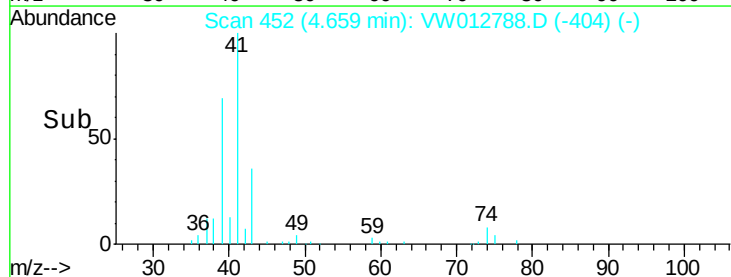
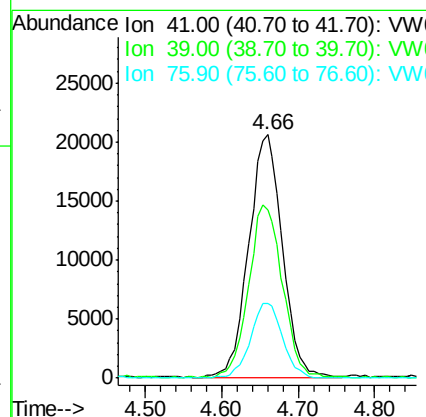
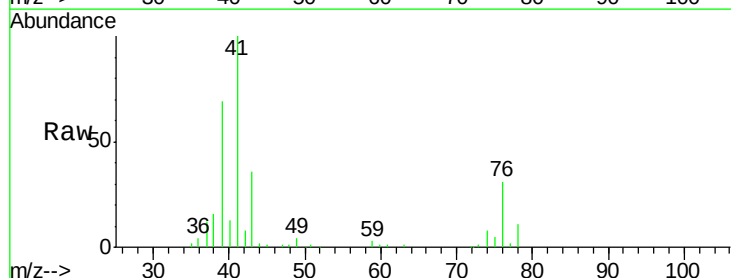
Tgt Ion: 41 Resp: 62790

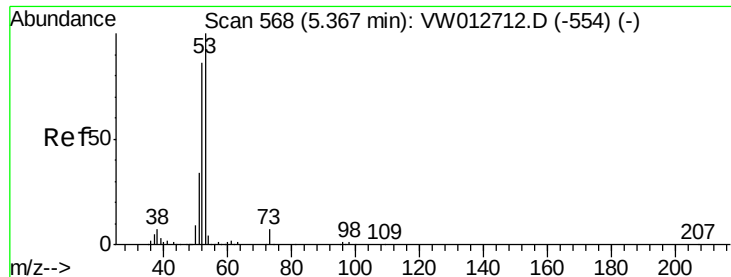
Ion Ratio Lower Upper

41 100

39 72.4 55.0 82.6

76 29.5 23.0 34.4





#15

Acrylonitrile

Concen: 86.535 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

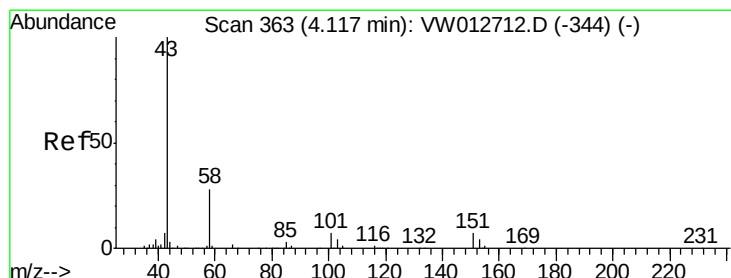
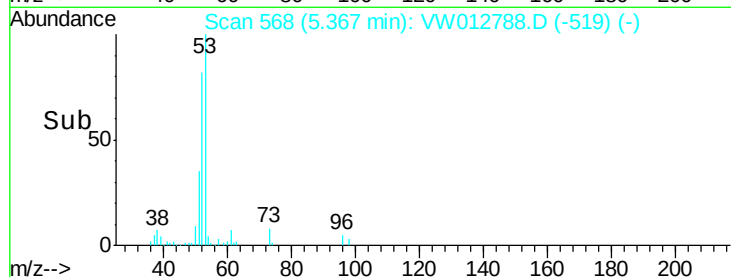
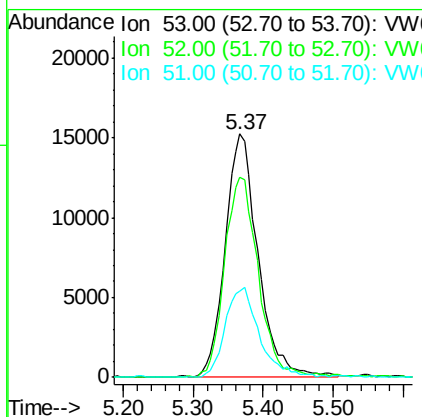
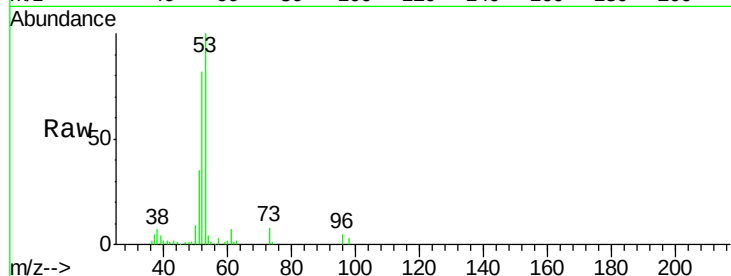
ClientSampleId :

VW0908SBS02

Tot Ion:	53	Resp:	49854
Ion	Ratio	Lower	Upper
53	100		
52	83.6	67.0	100.4
51	38.1	29.8	44.8

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#16

Acetone

Concen: 68.958 ug/l

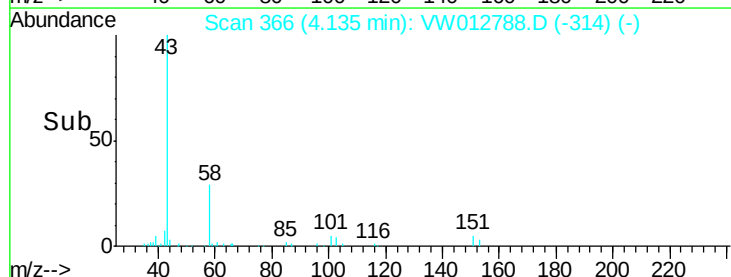
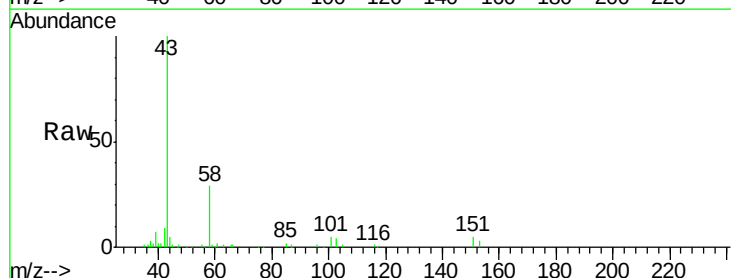
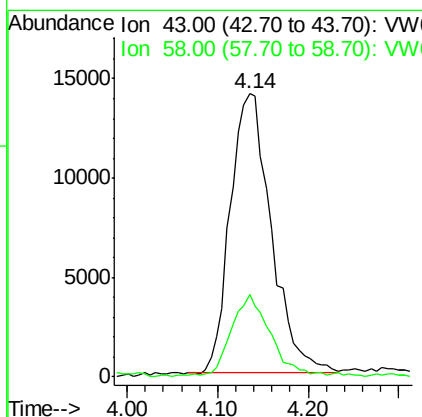
RT: 4.14 min Scan# 366

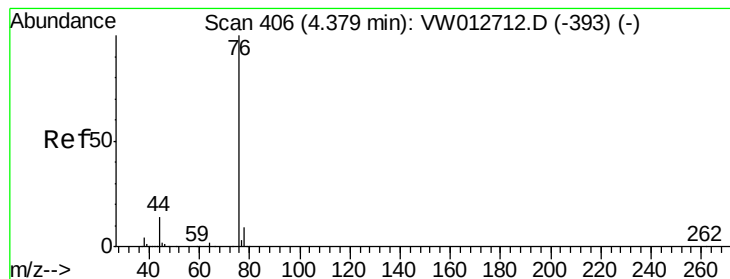
Delta R.T. 0.02 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Tgt Ion:	43	Resp:	44221
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.6	33.8





#17

Carbon Disulfide

Concen: 19.366 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 76 Resp: 71469

Ion Ratio Lower Upper

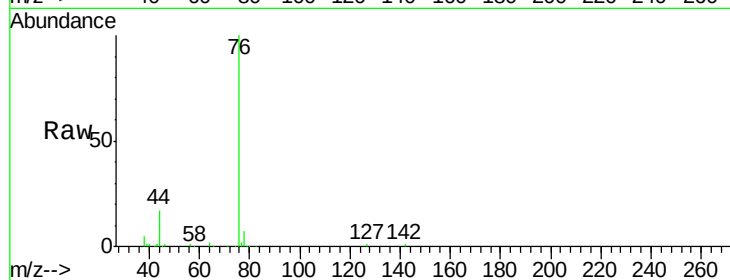
76 100

78 7.1 7.2 10.8#

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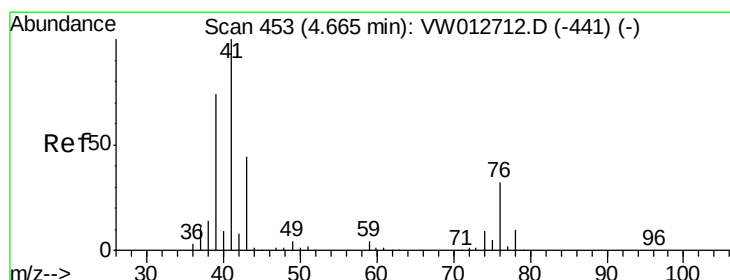
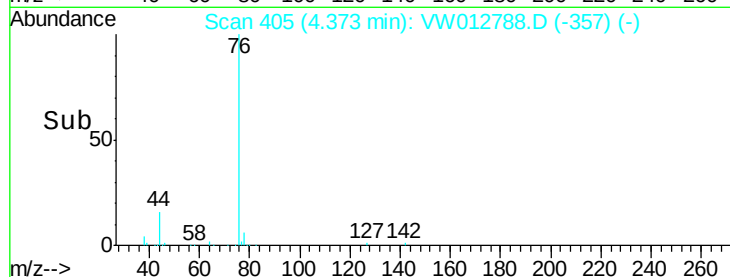
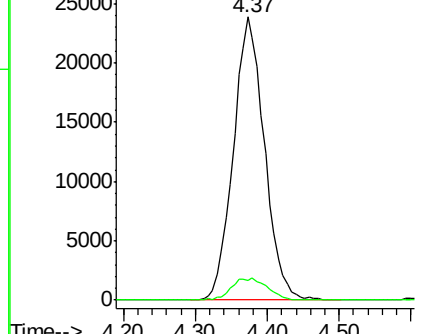
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 17.441 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012788.D

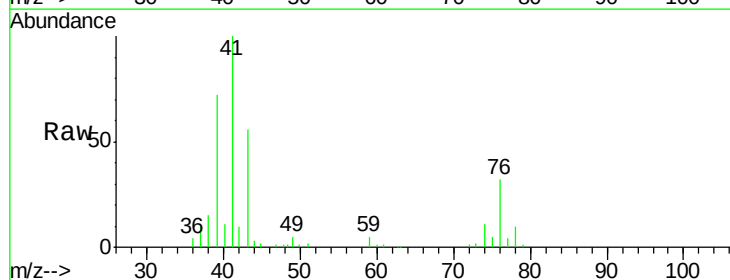
Acq: 08 Sep 2019 23:56

Tgt Ion: 43 Resp: 26240

Ion Ratio Lower Upper

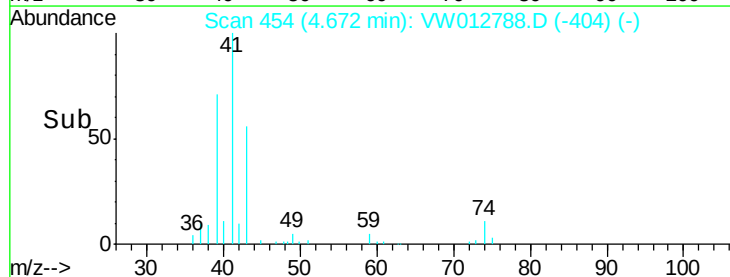
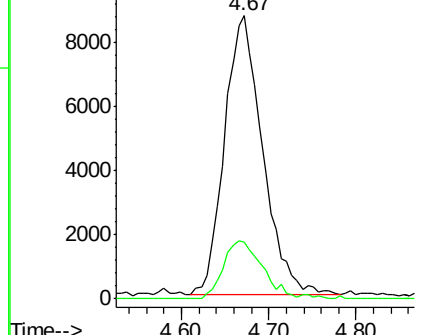
43 100

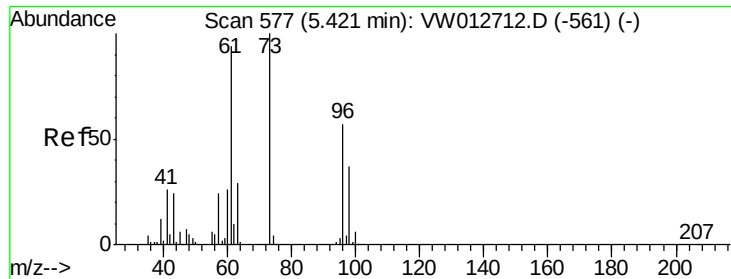
74 21.3 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





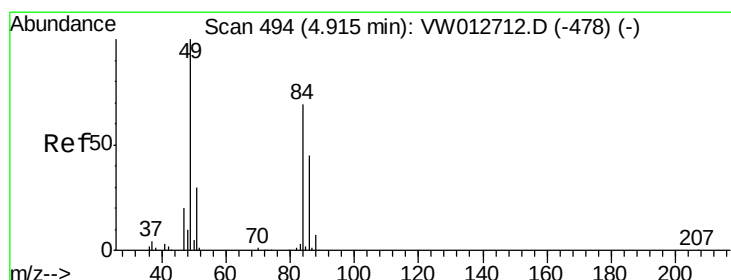
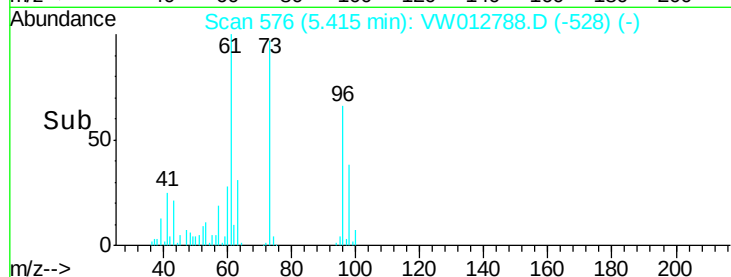
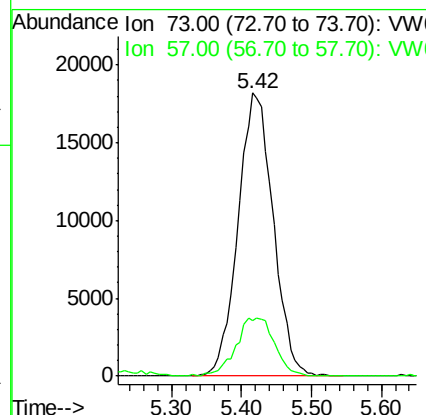
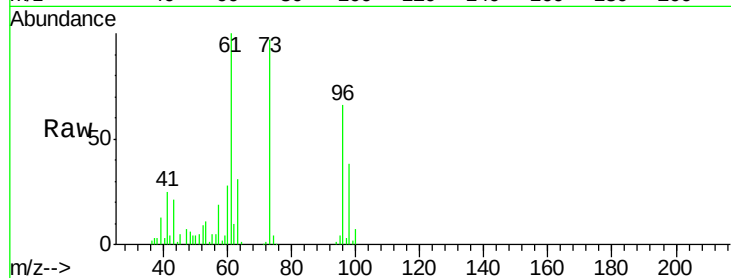
#19
Methyl tert-butyl Ether
Concen: 18.377 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion: 73 Resp: 63362
Ion Ratio Lower Upper
73 100
57 19.6 19.2 28.8

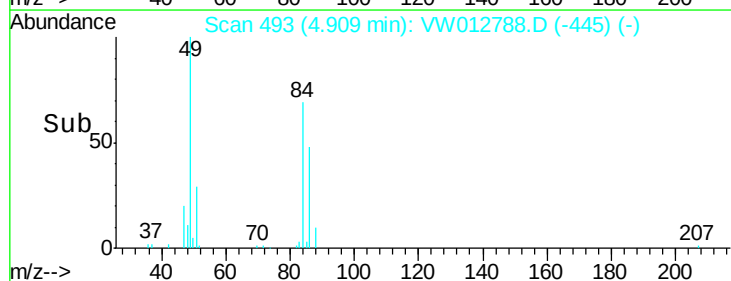
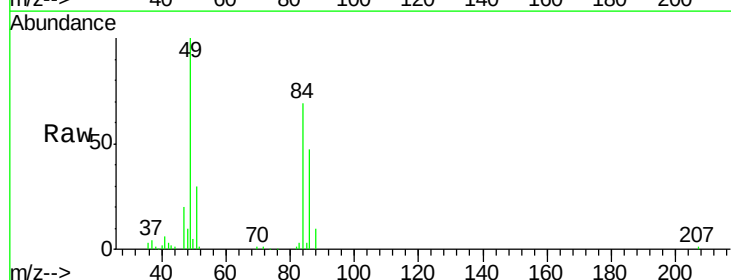
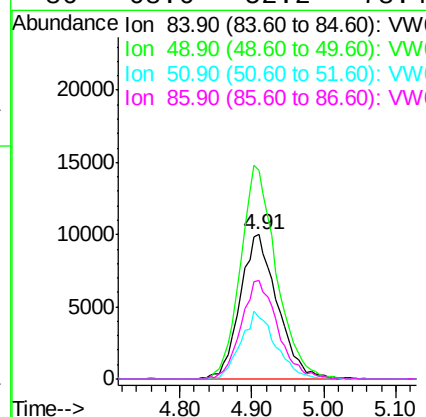
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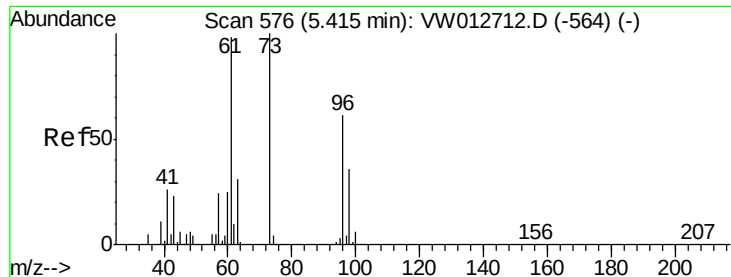
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#20
Methylene Chloride
Concen: 18.043 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion: 84 Resp: 36198
Ion Ratio Lower Upper
84 100
49 144.9 115.4 173.0
51 42.9 34.9 52.3
86 68.6 52.2 78.4





#21

trans-1,2-Dichloroethene

Concen: 20.994 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

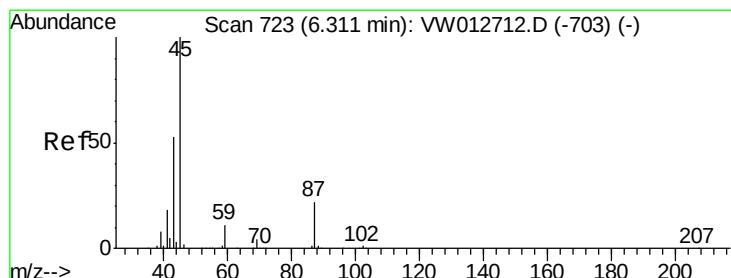
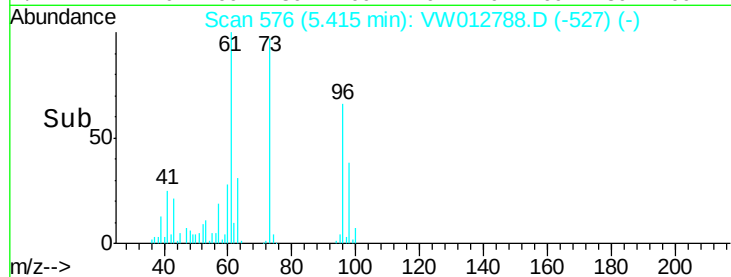
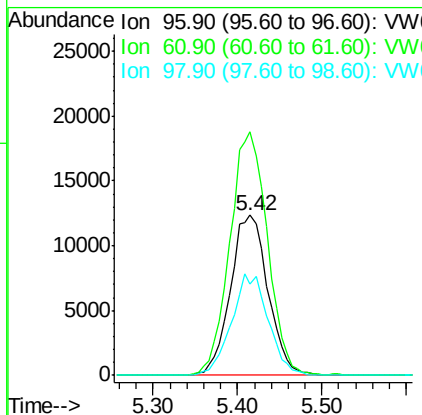
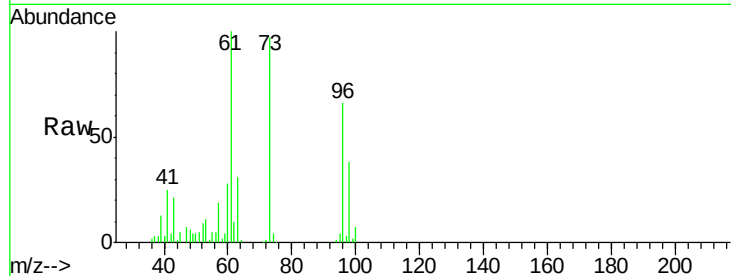
ClientSampleId :

VW0908SBS02

Tot Ion:	96	Resp:	37242
Ion	Ratio	Lower	Upper
96	100		
61	151.8	129.2	193.8
98	57.3	48.0	72.0

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#22

Diisopropyl ether

Concen: 18.213 ug/l

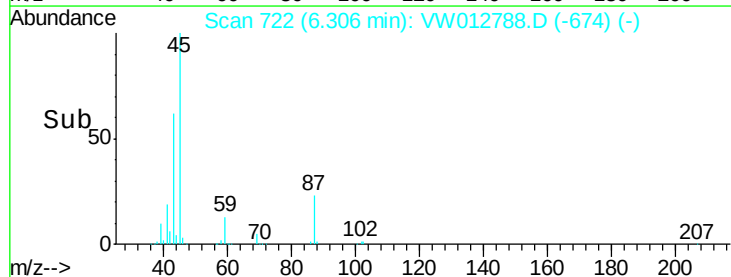
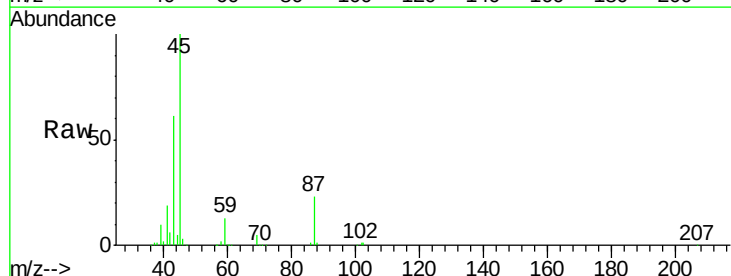
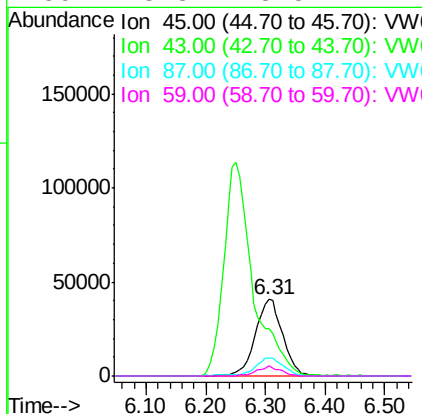
RT: 6.31 min Scan# 722

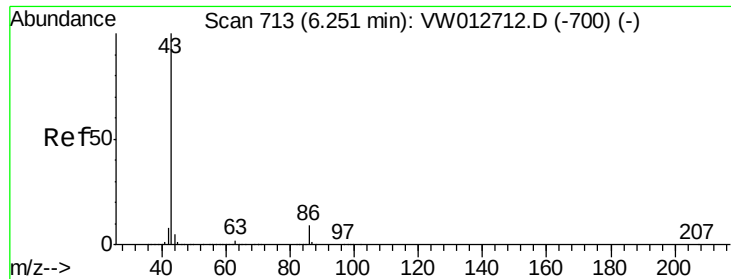
Delta R.T. -0.01 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Tgt Ion:	45	Resp:	129918
Ion	Ratio	Lower	Upper
45	100		
43	61.3	42.3	63.5
87	23.4	18.2	27.2
59	13.3	8.5	12.7#





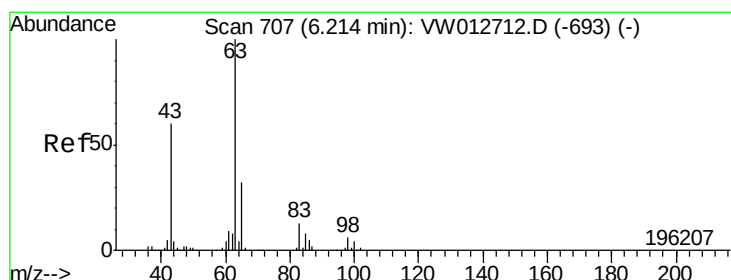
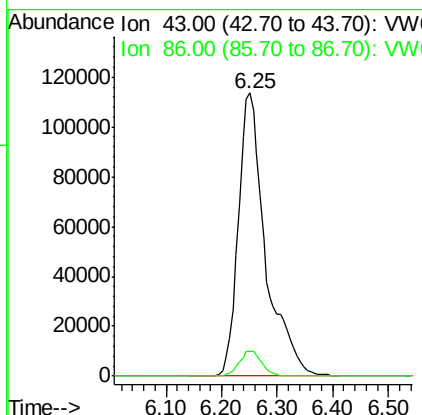
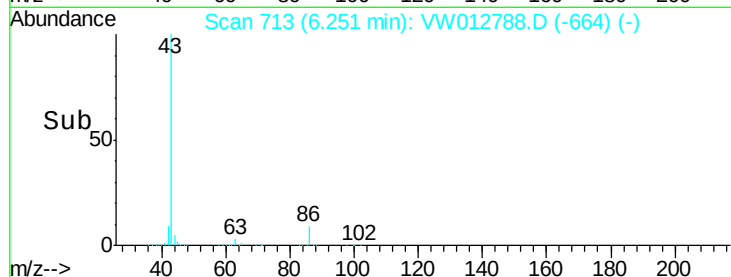
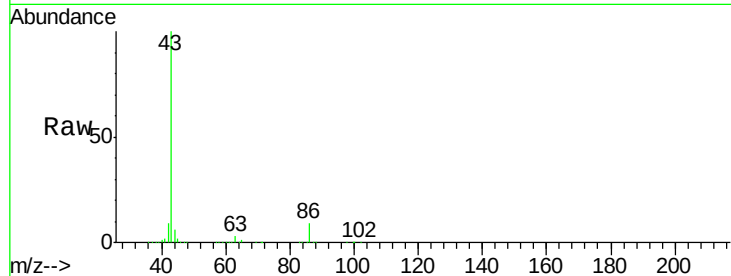
#23
 Vinyl Acetate
 Concen: 85.337 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	385771		
86	8.7		7.0	10.6

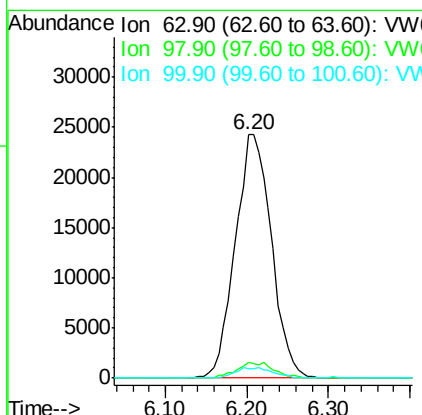
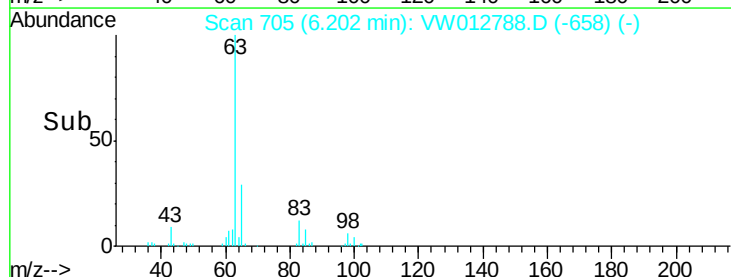
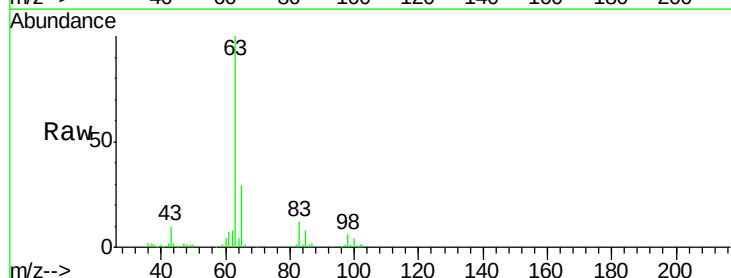
Manual Integrations
 APPROVED

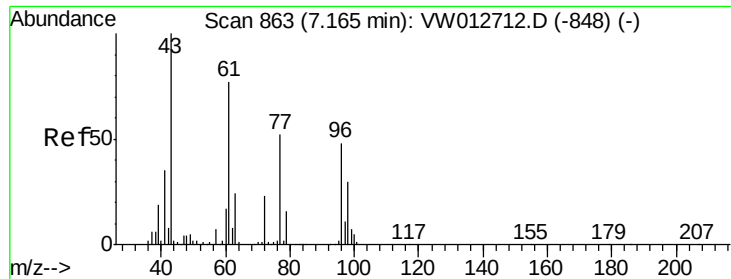
MMDadoda
 9/9/2019 11:24:44 AM



#24
 1,1-Dichloroethane
 Concen: 19.432 ug/l
 RT: 6.20 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	74634		
98	6.3		3.1	9.3
100	4.0		1.8	5.5





#25

2-Butanone

Concen: 87.074 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampled :

VW0908SBS02

Tot Ion: 43 Resp: 69072

Ion Ratio Lower Upper

43 100

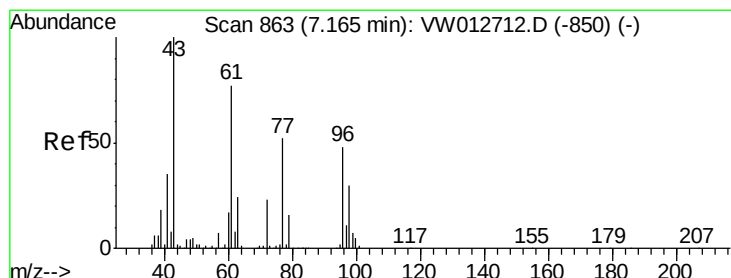
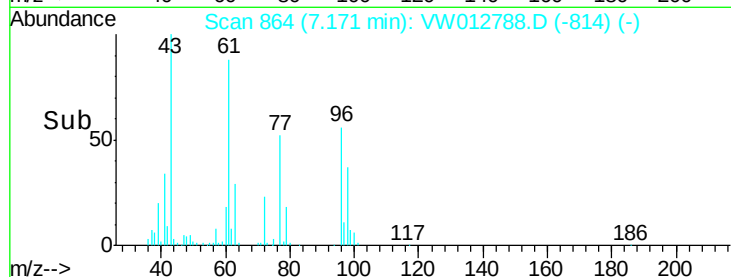
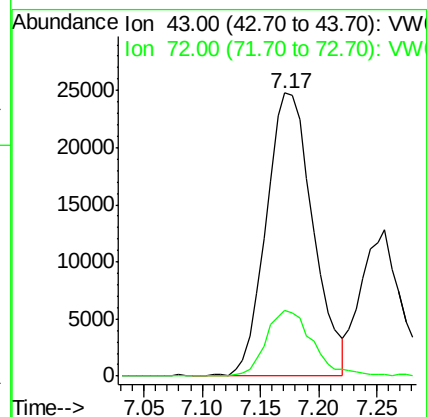
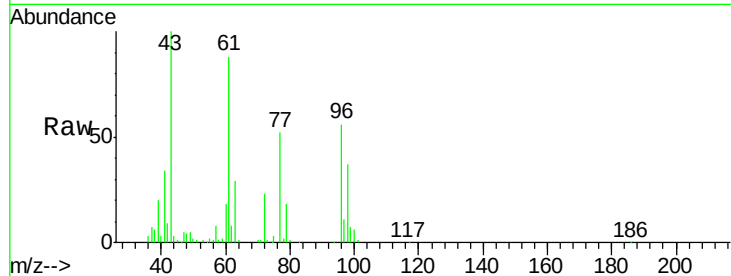
72 23.3 18.0 27.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.574 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW012788.D

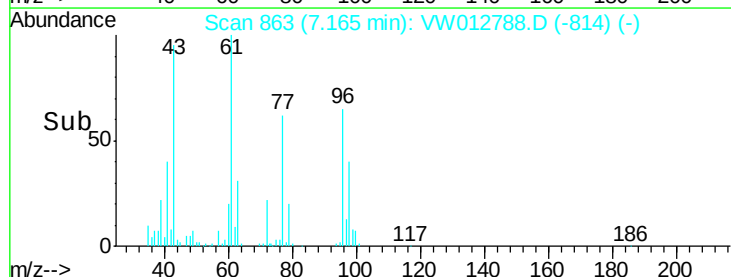
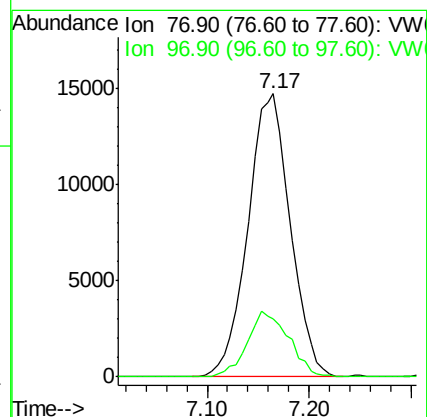
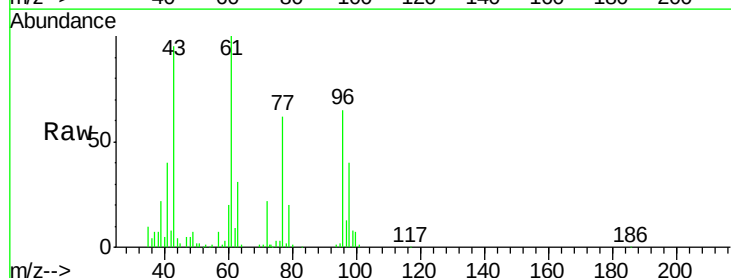
Acq: 08 Sep 2019 23:56

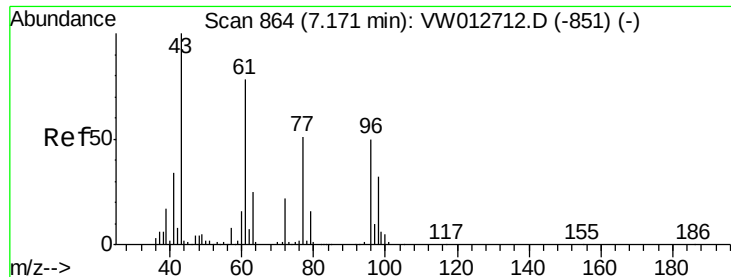
Tgt Ion: 77 Resp: 42631

Ion Ratio Lower Upper

77 100

97 22.6 10.7 32.1





#27

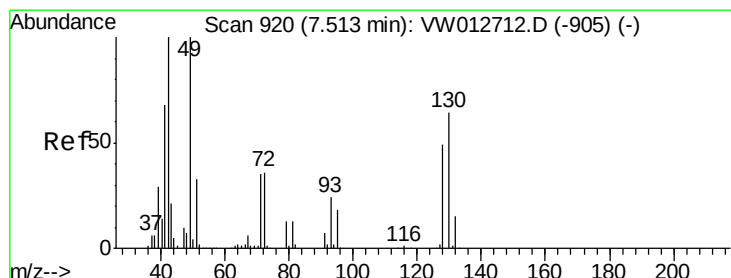
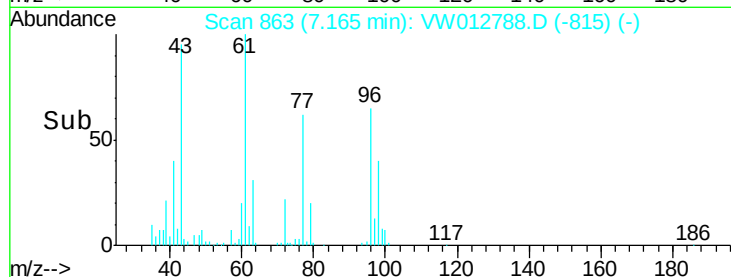
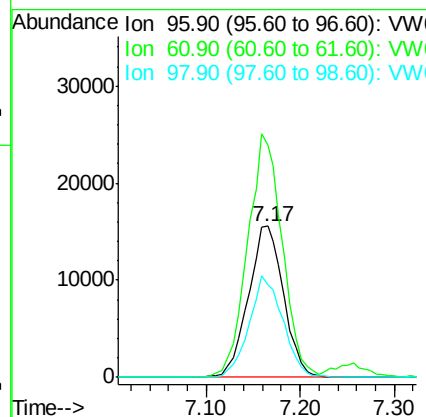
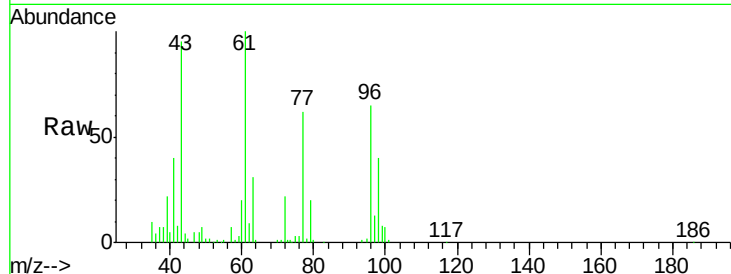
cis-1,2-Dichloroethene
Concen: 19.824 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.9	0.0	325.8
98	64.8	0.0	127.0

Manual Integrations
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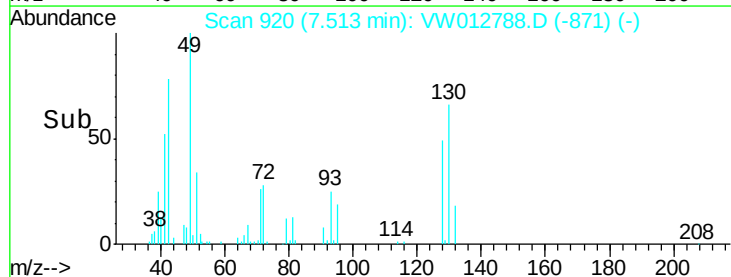
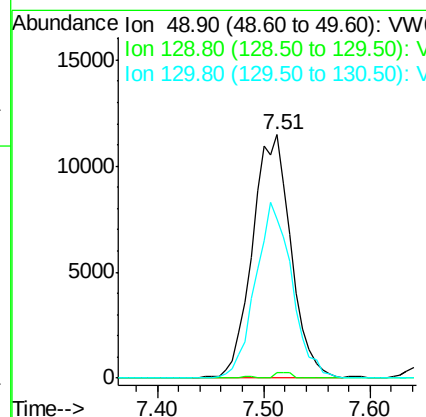
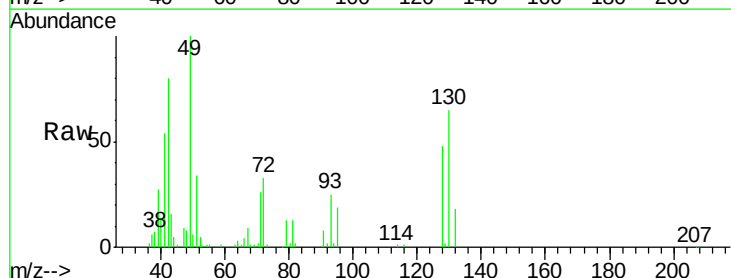
MMDadoda
9/9/2019 11:24:44 AM

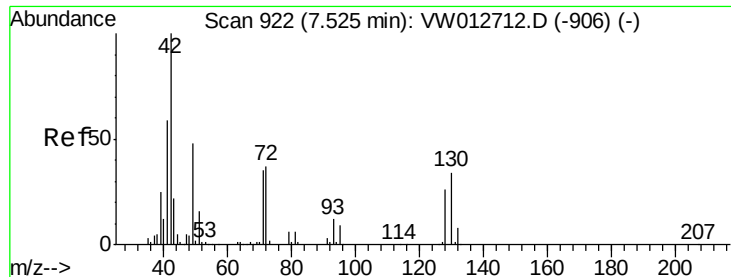


#28

Bromochloromethane
Concen: 16.547 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	0.8#
130	68.2	49.8	74.8





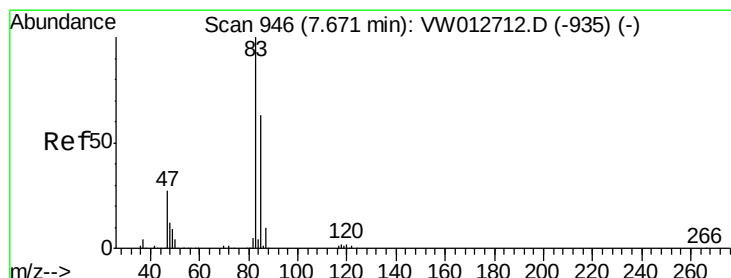
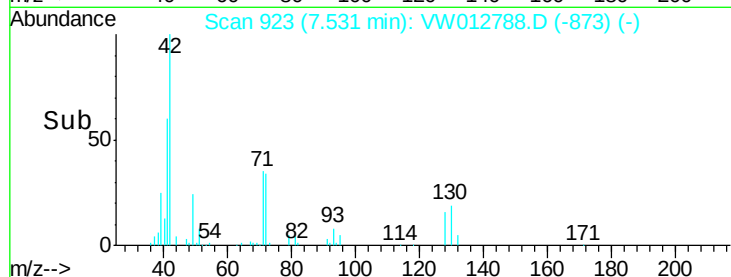
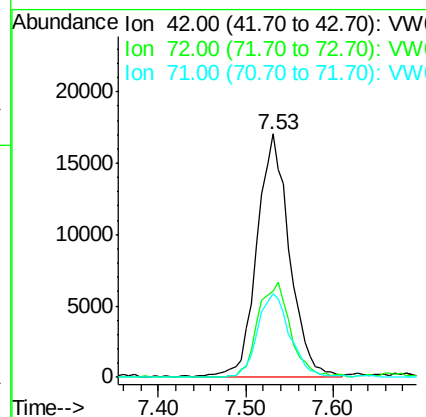
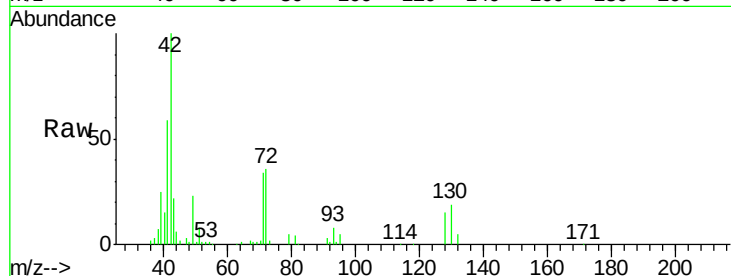
#29
Tetrahydrofuran
Concen: 85.316 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	28.4	42.6
71	34.5	27.1	40.7

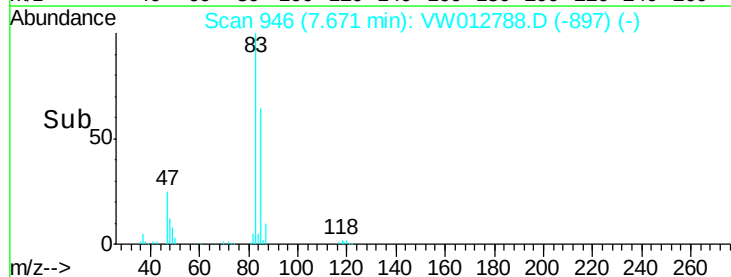
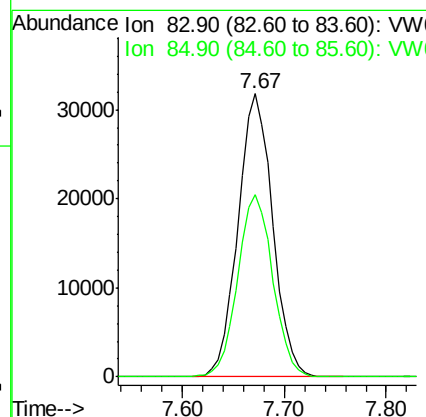
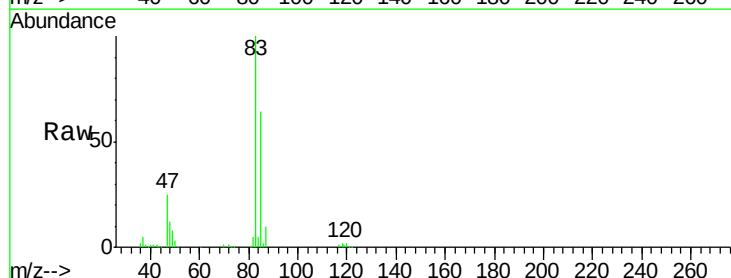
Manual Integrations
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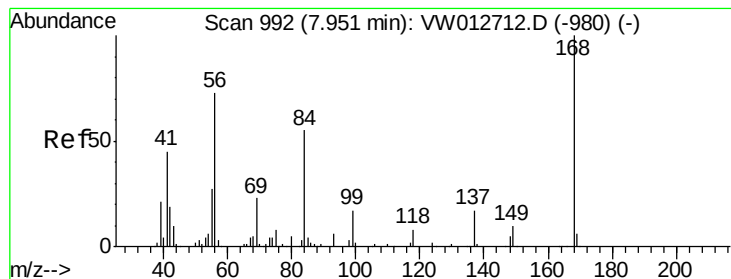
MMDadoda
9/9/2019 11:24:44 AM



#30
Chloroform
Concen: 19.663 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.6	76.0





#31

Cyclohexane

Concen: 20.264 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 56 Resp: 70067

Ion Ratio Lower Upper

56 100

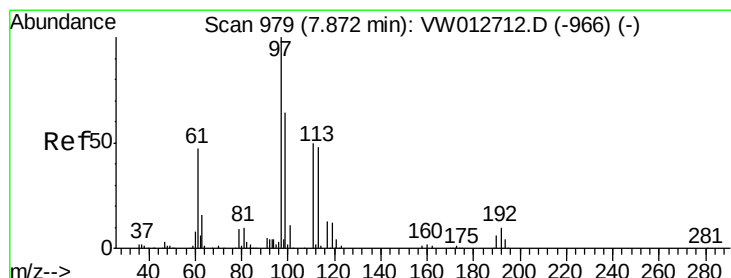
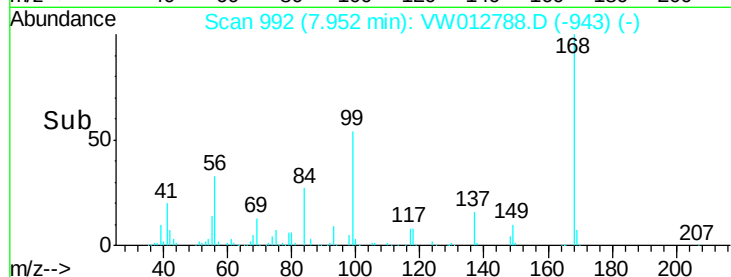
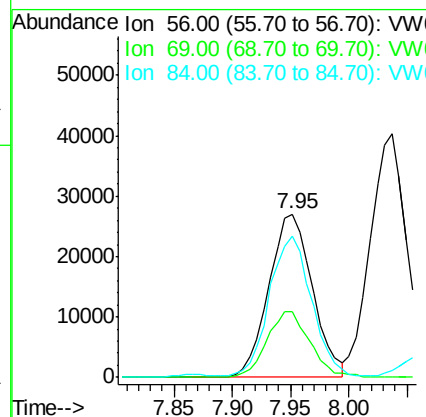
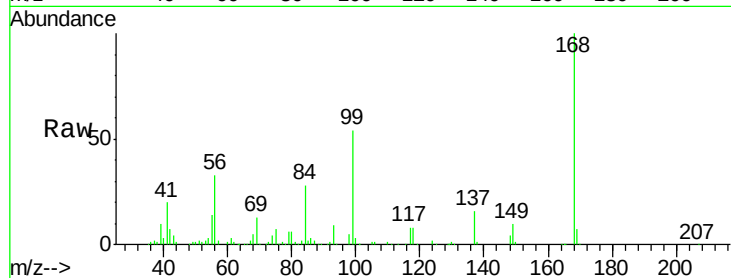
69 40.3 25.7 38.5#

84 84.7 60.4 90.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.923 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

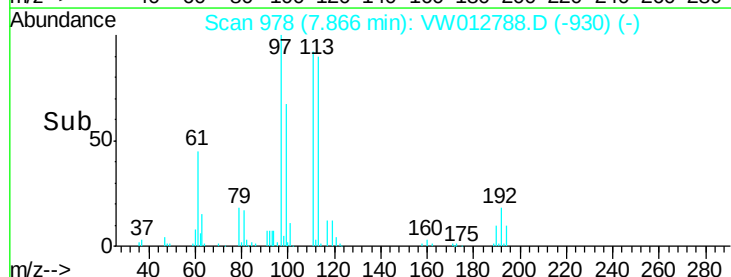
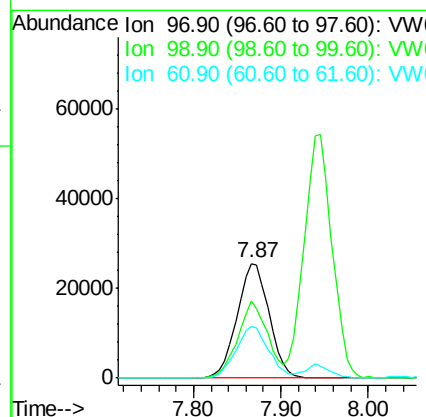
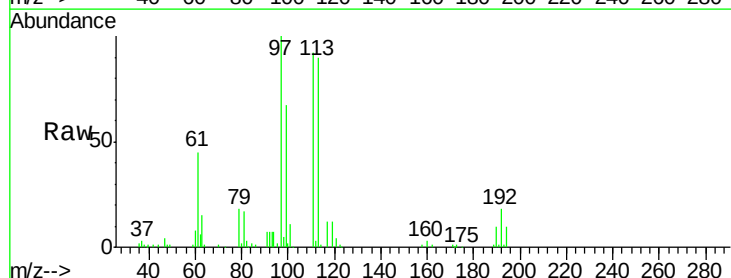
Tgt Ion: 97 Resp: 64556

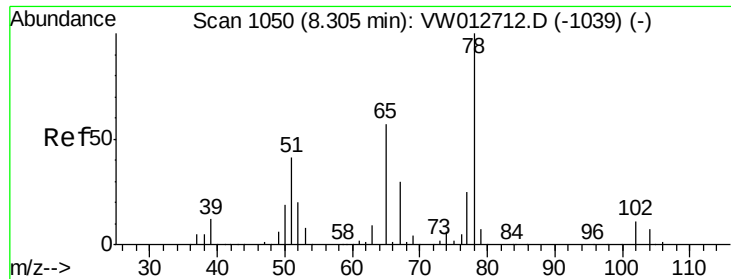
Ion Ratio Lower Upper

97 100

99 63.5 51.5 77.3

61 46.6 37.9 56.9





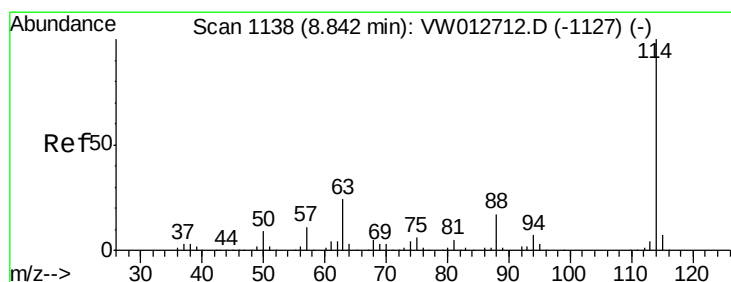
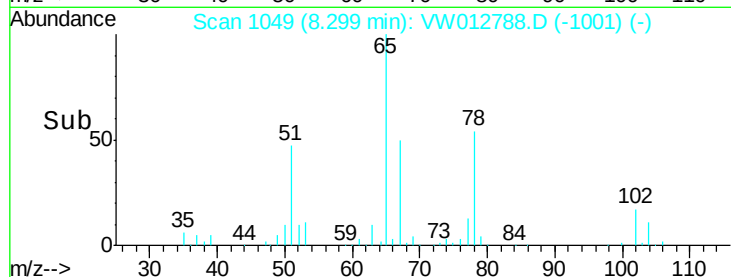
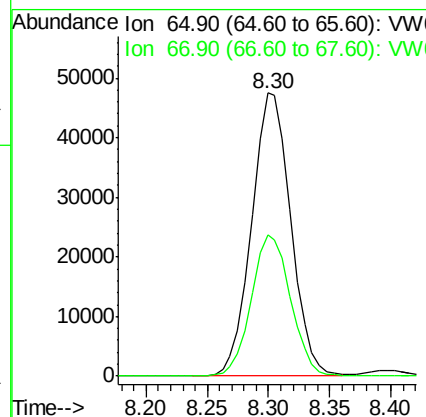
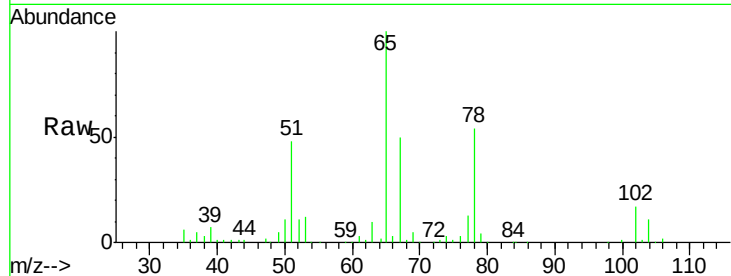
#33
 1,2-Dichloroethane-d4
 Concen: 44.950 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampled :
 VW0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	105734		
67	50.1	0.0	101.8	

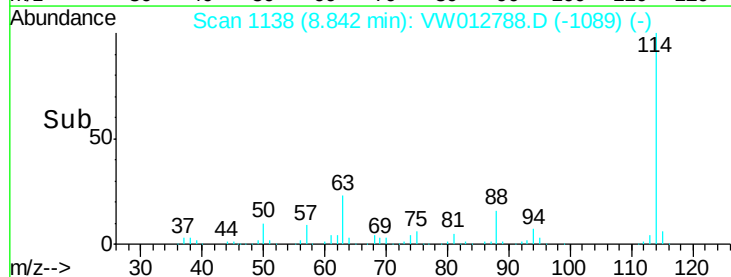
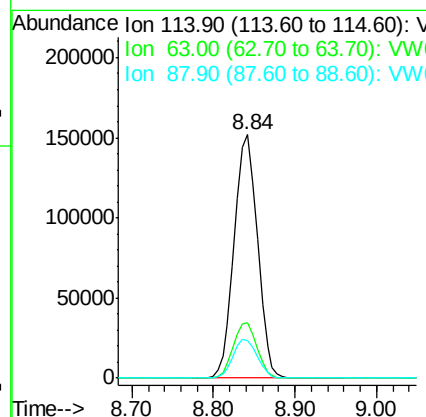
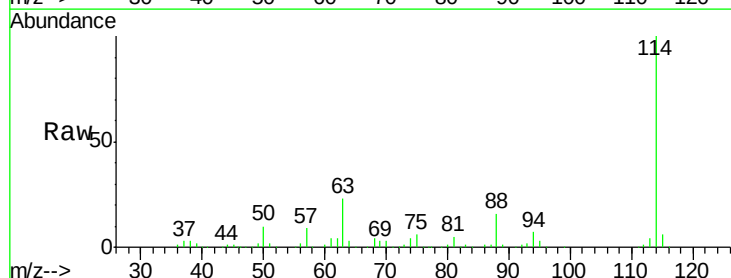
Manual Integrations
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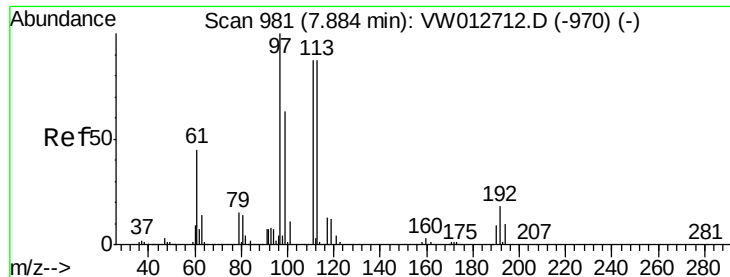
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	299487		
63	22.6	0.0	47.2	
88	15.5	0.0	34.0	





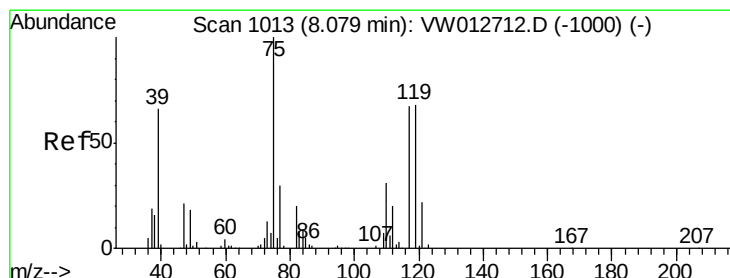
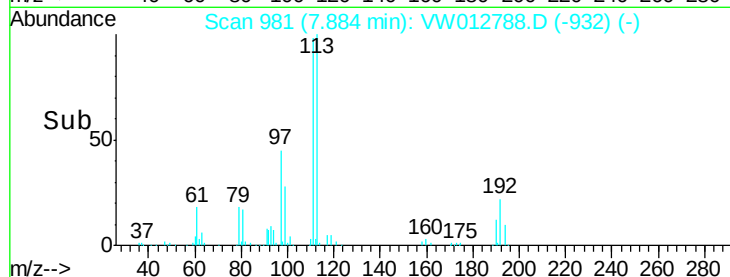
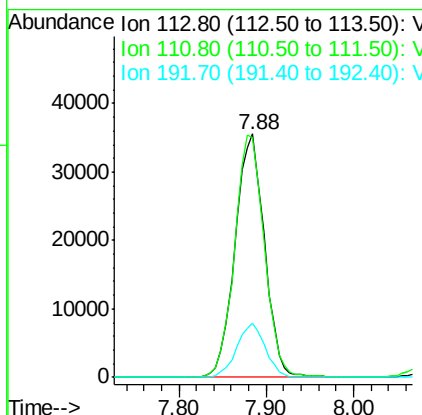
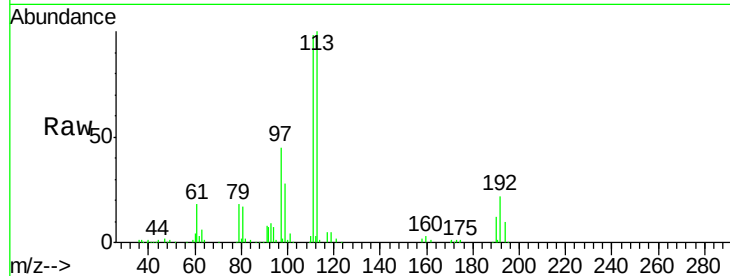
#35
 Dibromofluoromethane
 Concen: 46.651 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.6	80.2	120.4
192	21.5	17.3	25.9

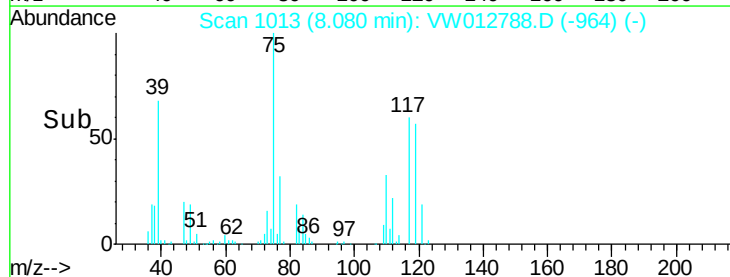
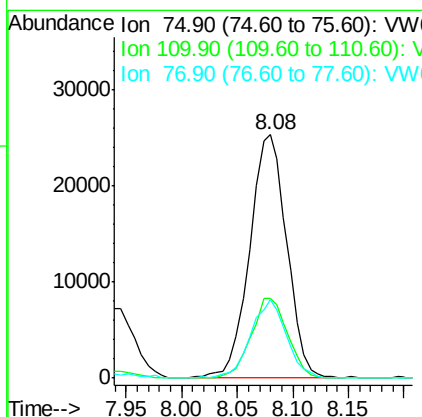
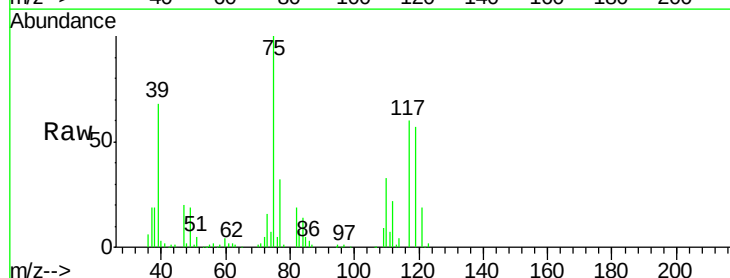
Manual Integrations
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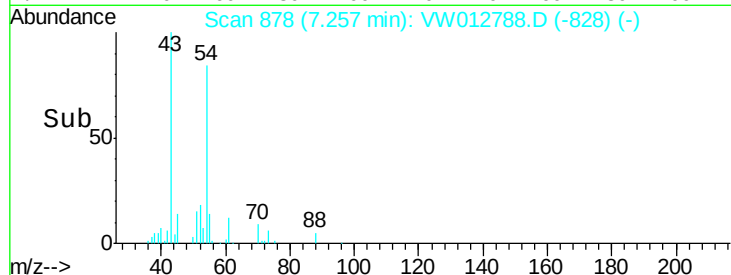
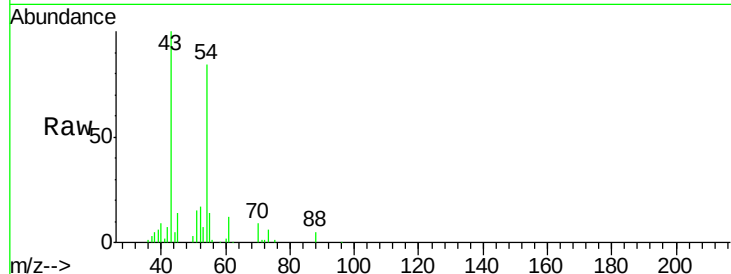
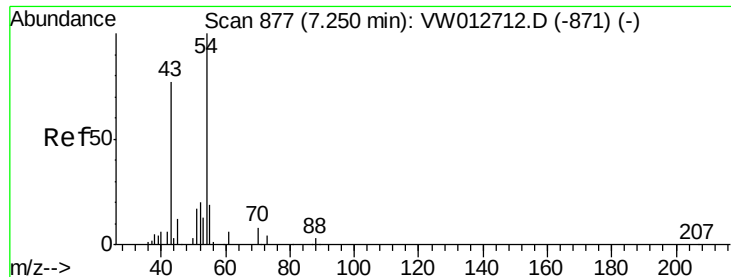
MMDadoda
 9/9/2019 11:24:44 AM



#36
 1,1-Dichloropropene
 Concen: 22.044 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.4	15.9	47.7
77	31.3	25.0	37.4





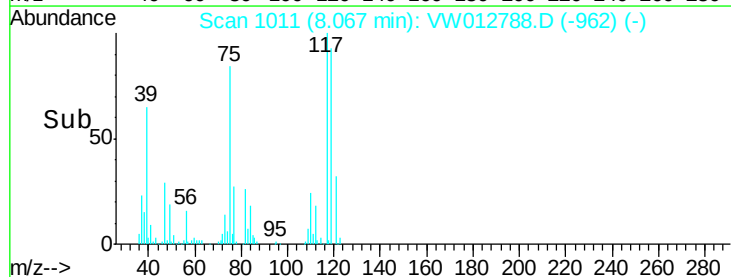
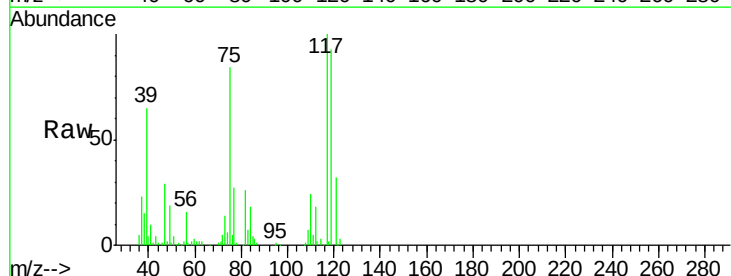
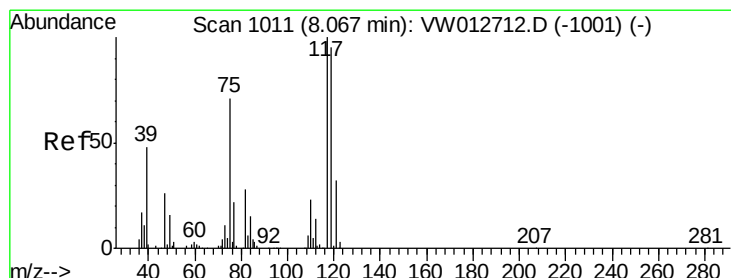
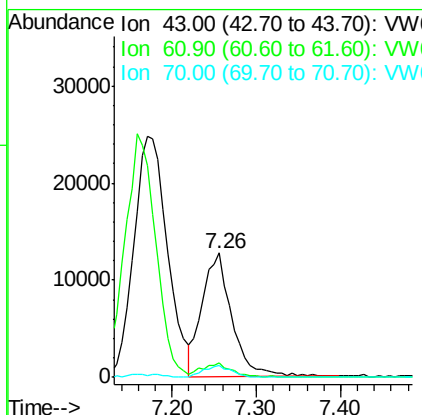
#37
Ethyl Acetate
Concen: 18.578 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tot Ion:	43	Resp:	31515
Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.5	14.3
70	8.6	7.0	10.6

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

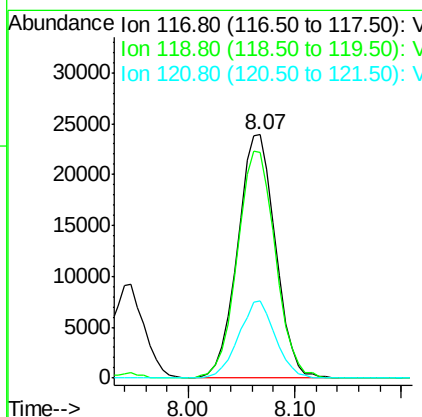
Manual Integrations
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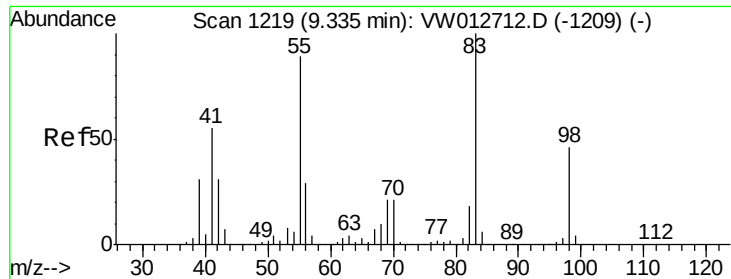
MMDadoda
9/9/2019 11:24:44 AM



#38
Carbon Tetrachloride
Concen: 22.733 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion:	117	Resp:	59631
Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.2	114.2
121	31.5	25.4	38.2





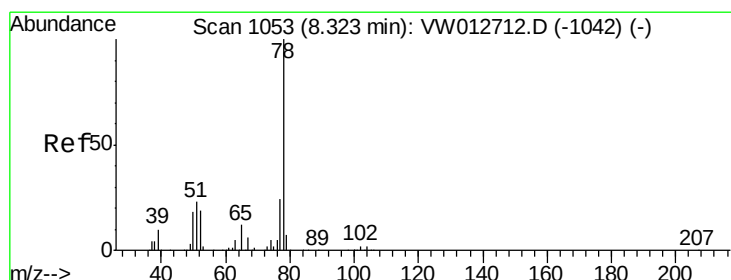
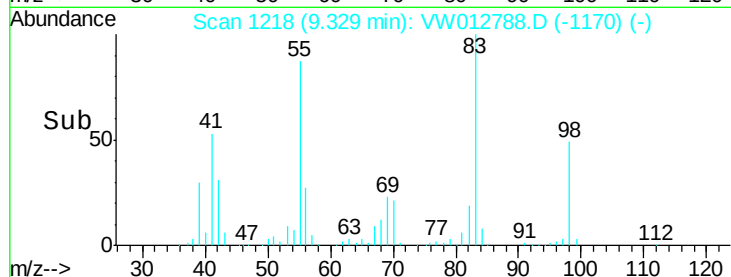
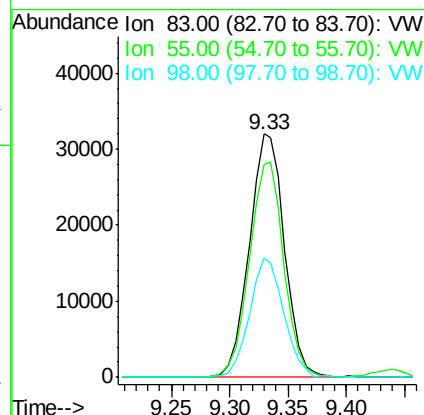
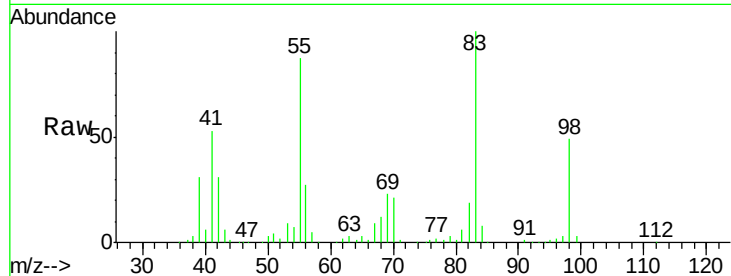
#39
Methylvlcyclohexane
Concen: 22.460 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	83	Resp	67125
Ion Ratio	100	Lower	Upper
83	100		
55	87.5	71.0	106.4
98	48.8	36.9	55.3

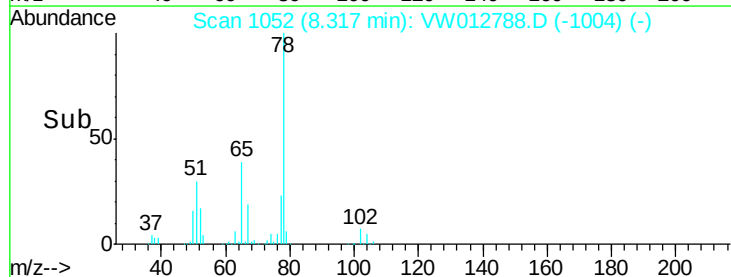
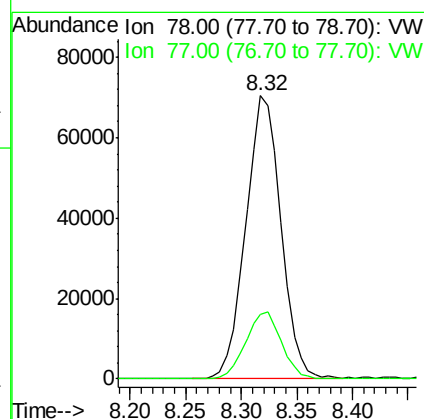
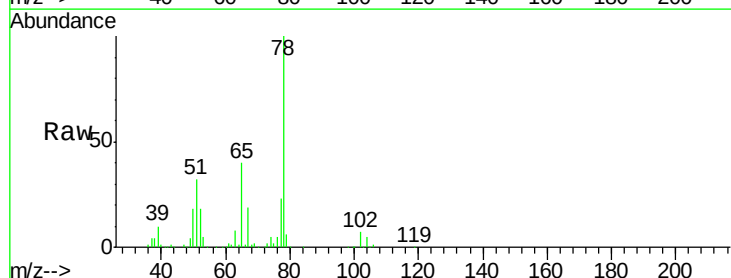
Manual Integrations
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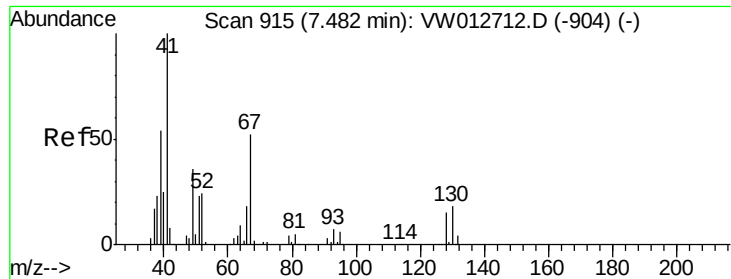
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#40
Benzene
Concen: 20.974 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion	78	Resp	154854
Ion Ratio	100	Lower	Upper
78	100		
77	22.9	19.3	28.9





#41

Methacrylonitrile

Concen: 19.903 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

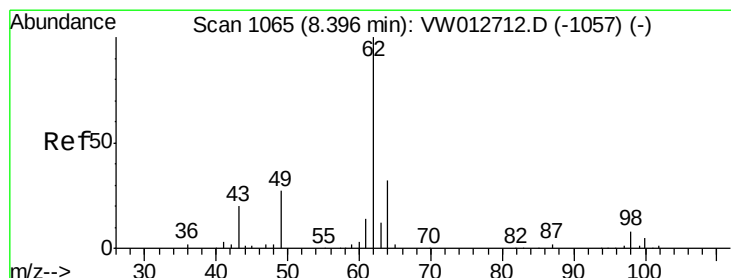
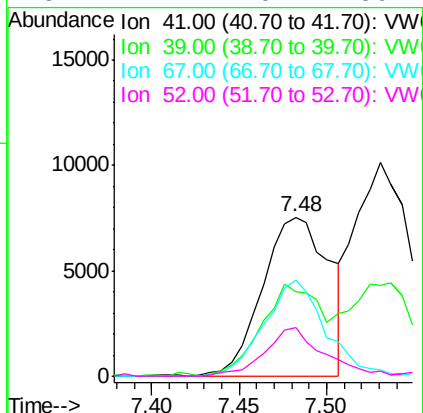
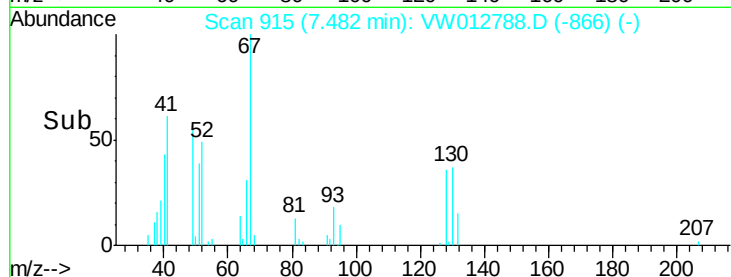
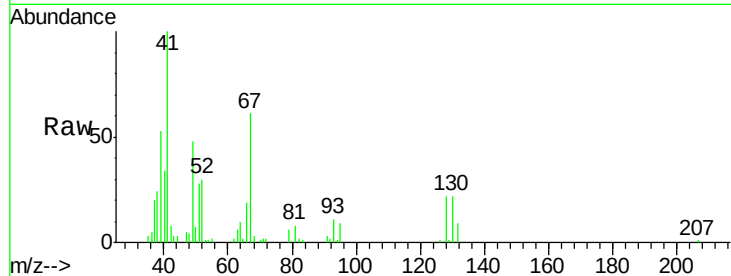
ClientSampleId :

VW0908SBS02

Tot Ion	41	Resp	20065
Ion	Ratio	Lower	Upper
41	100		
39	50.8	47.5	71.3
67	56.2	45.1	67.7
52	27.4	20.2	30.2

Manual Integrations
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9/9/2019 11:24:44 AM



#42

1,2-Dichloroethane

Concen: 20.616 ug/l

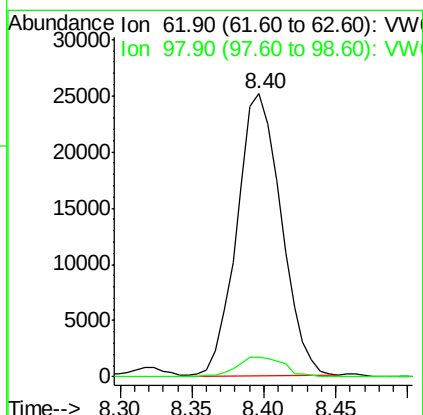
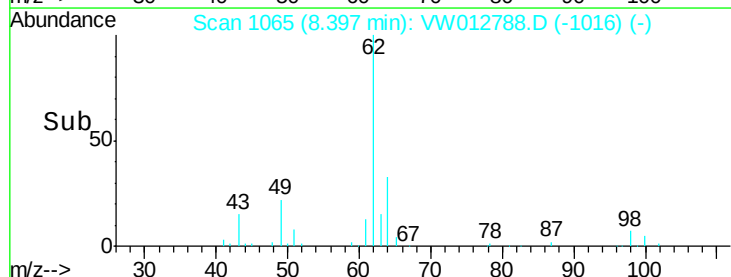
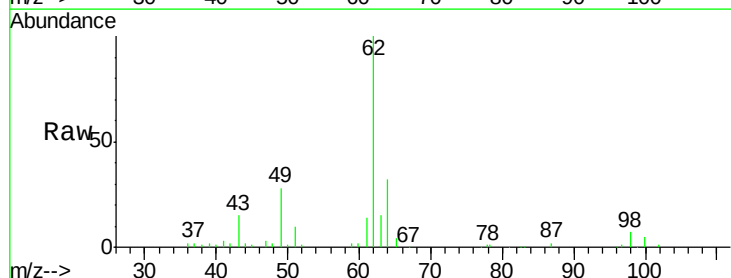
RT: 8.40 min Scan# 1065

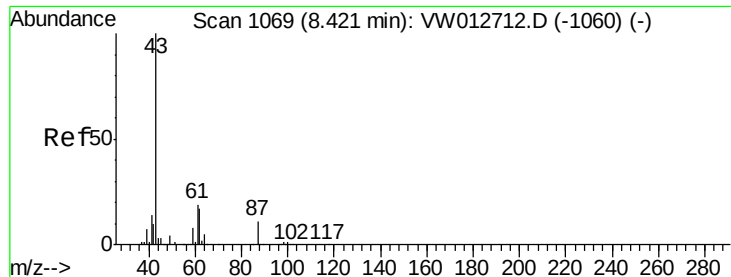
Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Tgt Ion	62	Resp	53568
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.2





#43

Isopropyl Acetate

Concen: 18.218 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

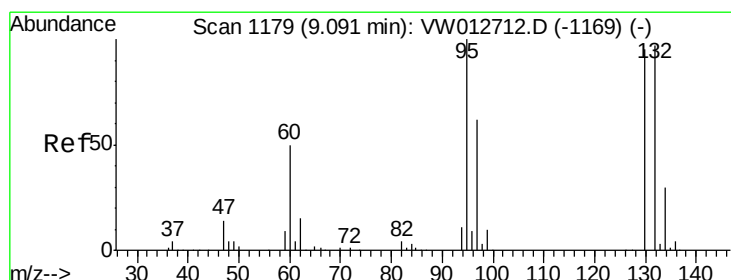
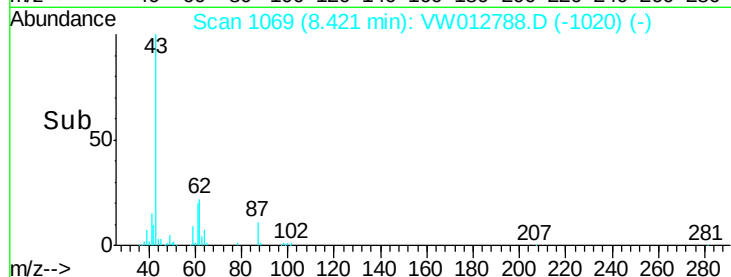
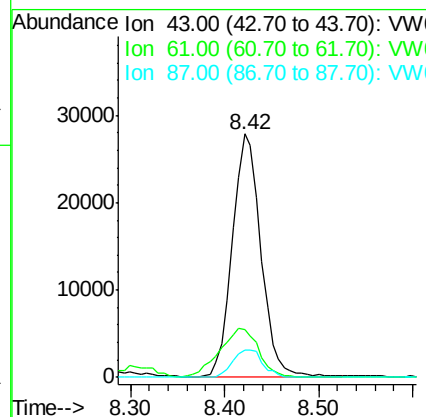
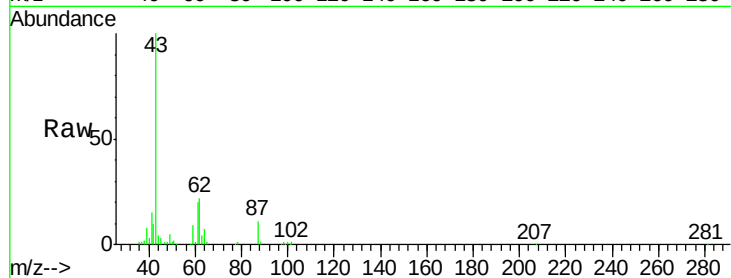
ClientSampleId :

VW0908SBS02

Tot Ion:	43	Resp:	58550
Ion	Ratio	Lower	Upper
43	100		
61	27.7	20.6	30.8
87	11.8	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 21.976 ug/l

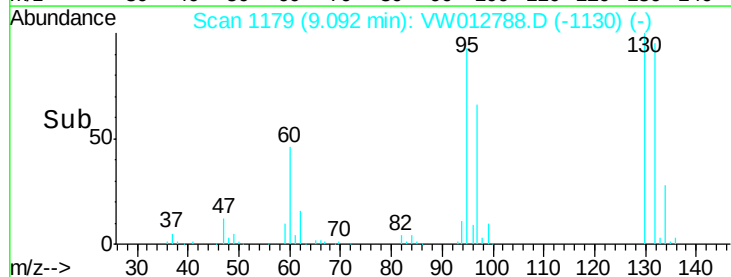
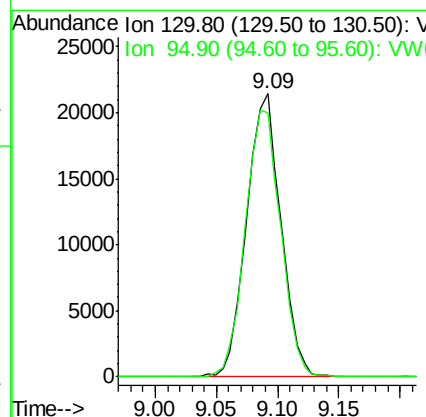
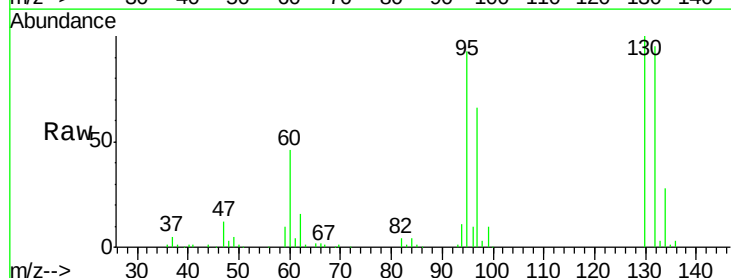
RT: 9.09 min Scan# 1179

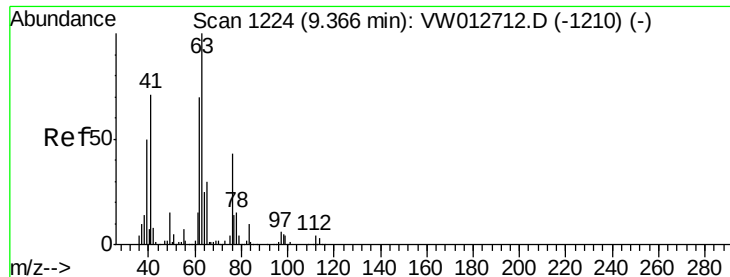
Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Tgt Ion:	130	Resp:	41823
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	210.6





#45

1,2-Dichloropropane

Concen: 19.464 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 63 Resp: 39857

Ion Ratio Lower Upper

63 100

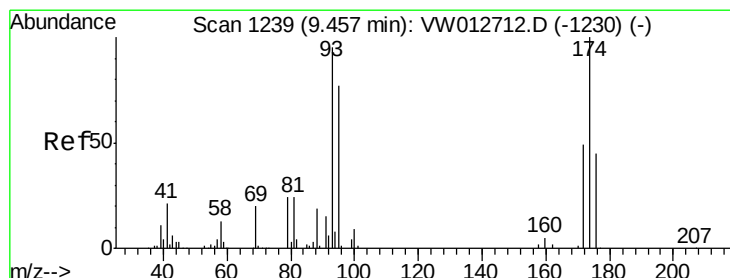
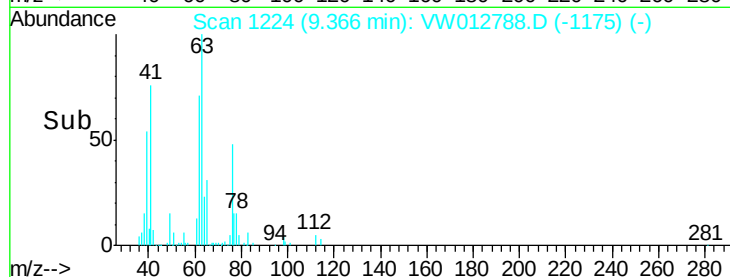
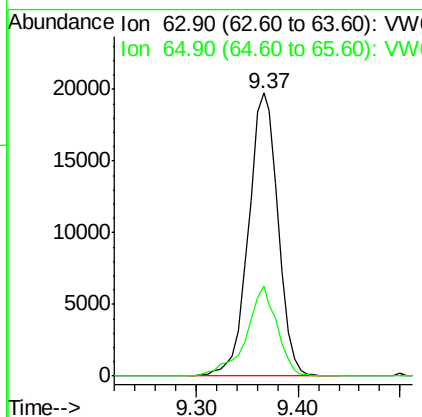
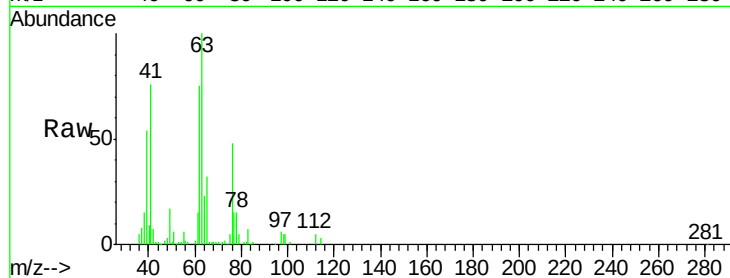
65 32.0 23.8 35.8

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#46

Dibromomethane

Concen: 19.903 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

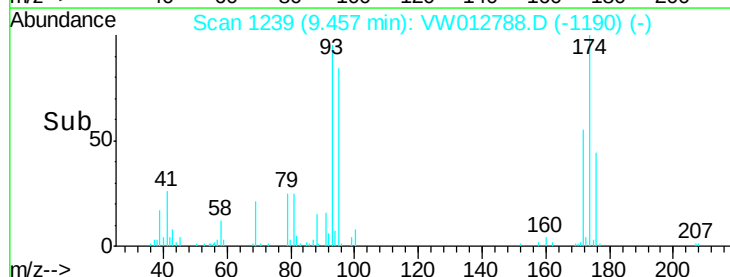
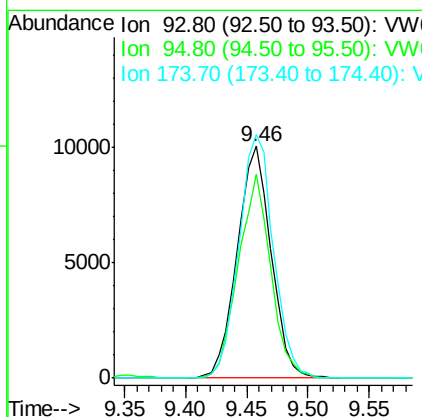
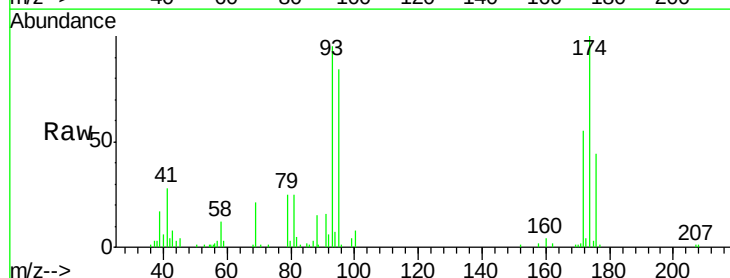
Tgt Ion: 93 Resp: 19299

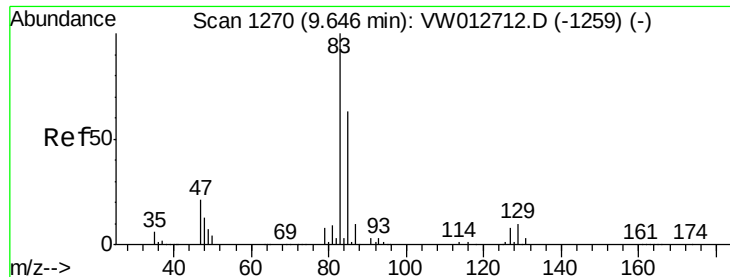
Ion Ratio Lower Upper

93 100

95 84.4 65.2 97.8

174 106.8 84.2 126.4





#47

Bromodichloromethane

Concen: 19.492 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

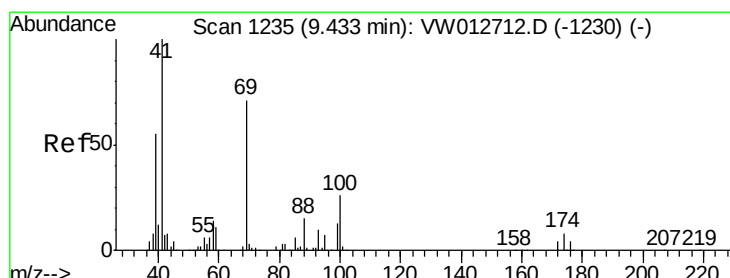
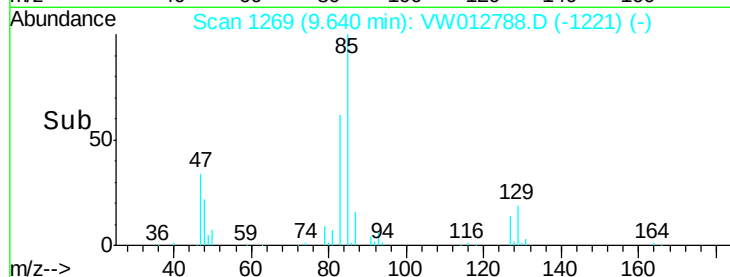
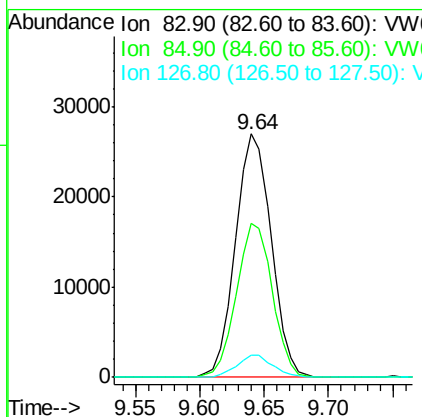
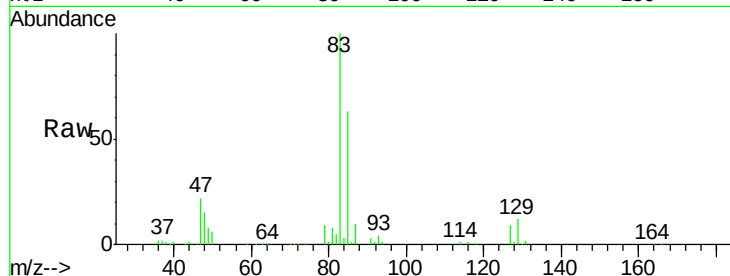
ClientSampleId :

VW0908SBS02

Tot Ion:	83	Resp:	51999
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.2	75.2
127	9.1	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.911 ug/l

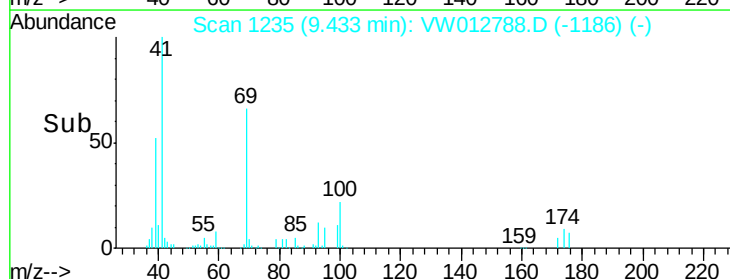
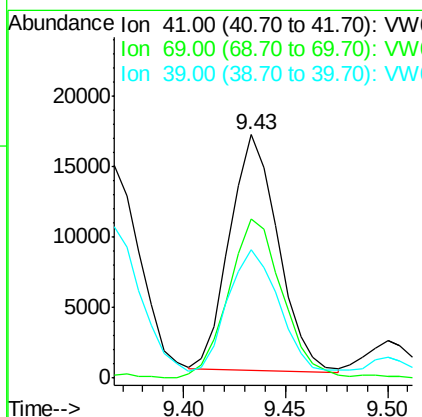
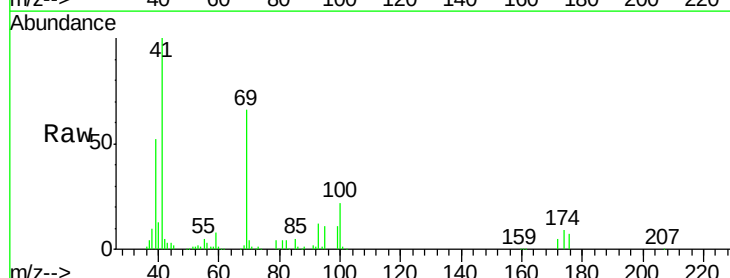
RT: 9.43 min Scan# 1235

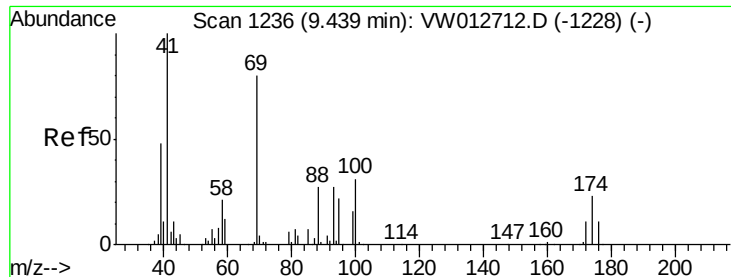
Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Tgt Ion:	41	Resp:	27508
Ion	Ratio	Lower	Upper
41	100		
69	75.7	59.8	89.8
39	55.4	47.0	70.6





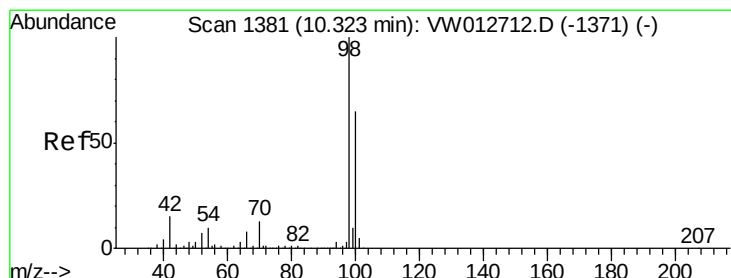
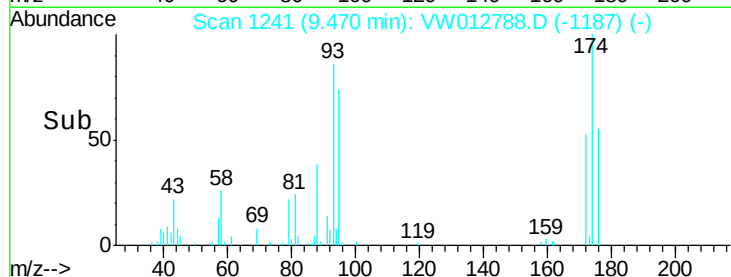
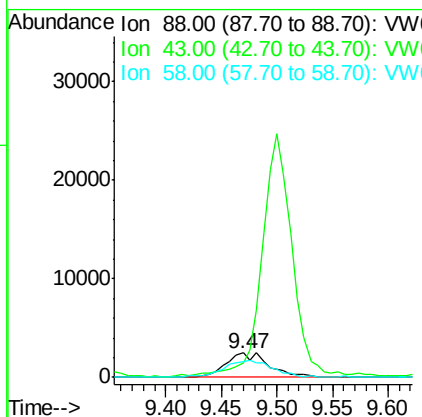
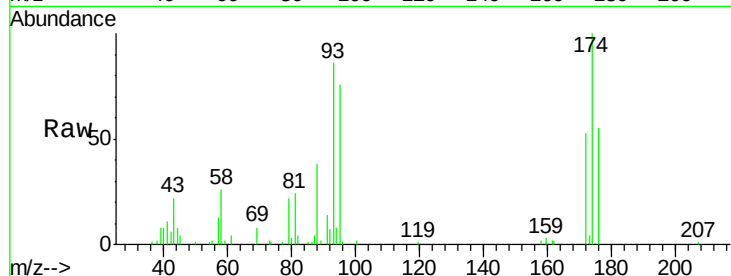
#49
1,4-Dioxane
Concen: 342.492 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
88	100	6560		
43	0.0	34.8	52.2#	
58	80.8	64.1	96.1	

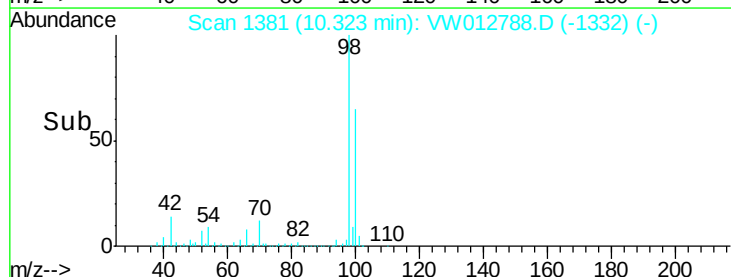
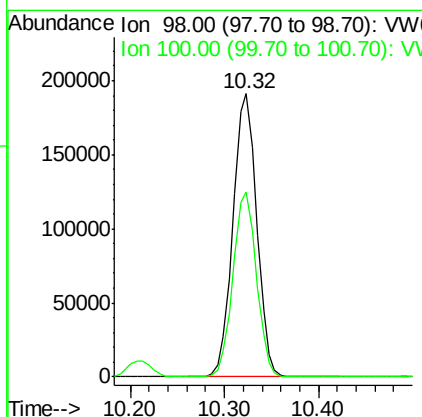
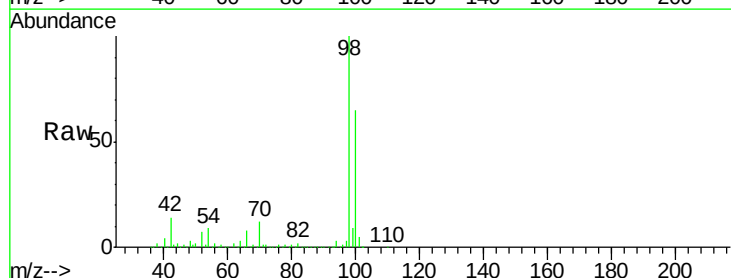
Manual Integrations
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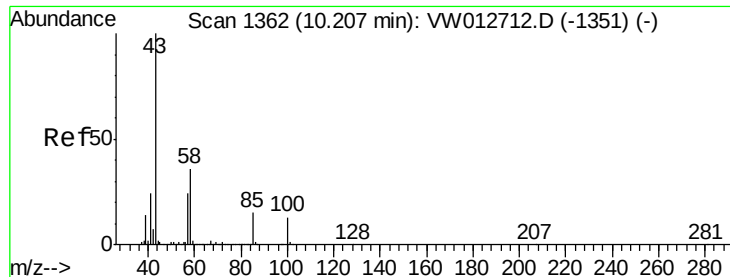
MMDadoda
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#50
Toluene-d8
Concen: 48.003 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	334856		
100	64.6	52.2	78.4	





#51

4-Methyl-2-Pentanone

Concen: 91.109 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampled :

VW0908SBS02

Tot Ion: 43 Resp: 153644

Ion Ratio Lower Upper

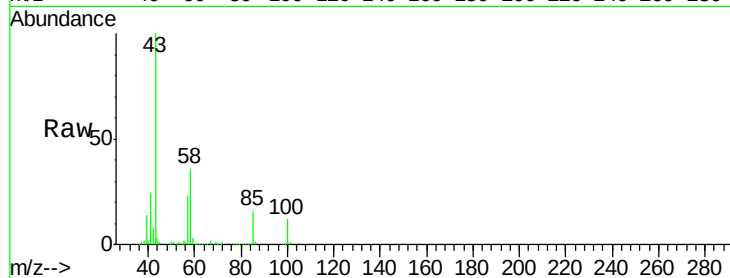
43 100

58 34.6 28.4 42.6

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

80000

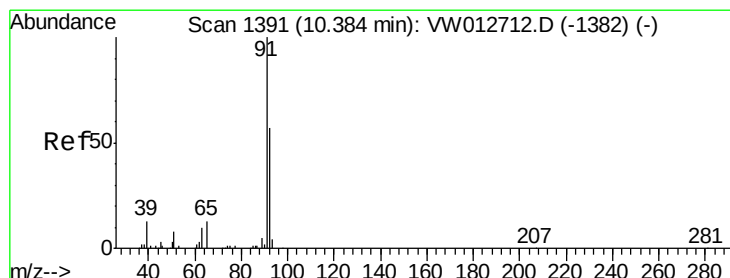
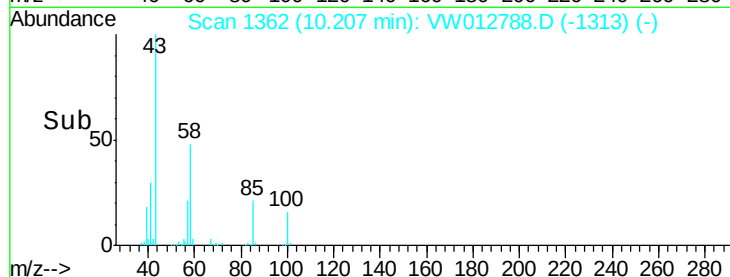
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.881 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW012788.D

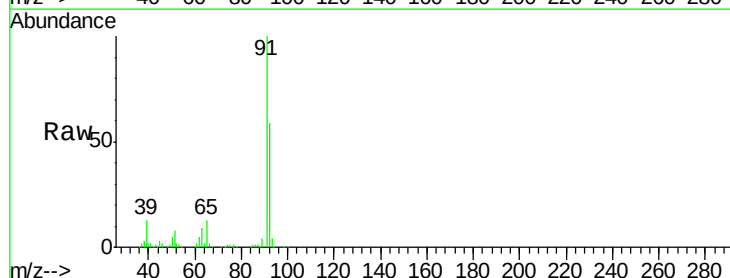
Acq: 08 Sep 2019 23:56

Tgt Ion: 92 Resp: 96219

Ion Ratio Lower Upper

92 100

91 170.3 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

80000

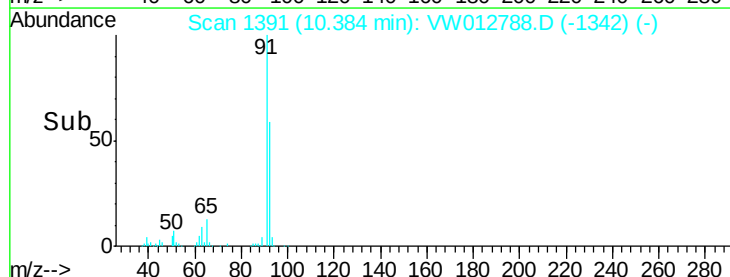
60000

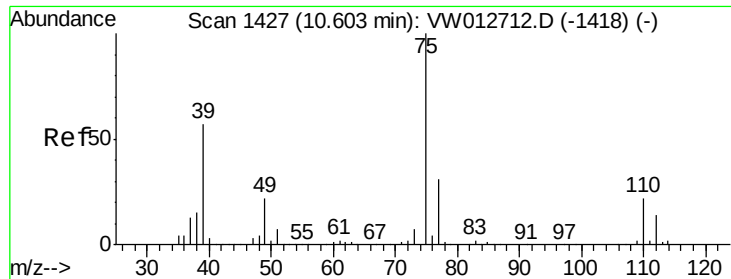
40000

20000

0

Time-->





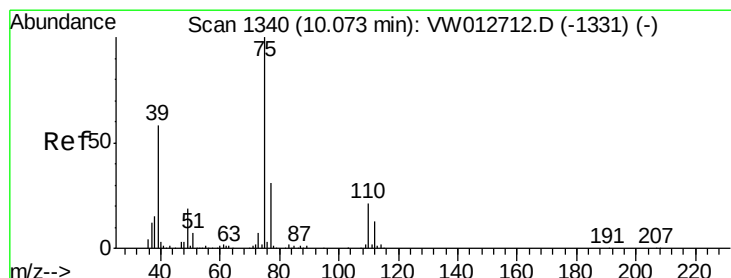
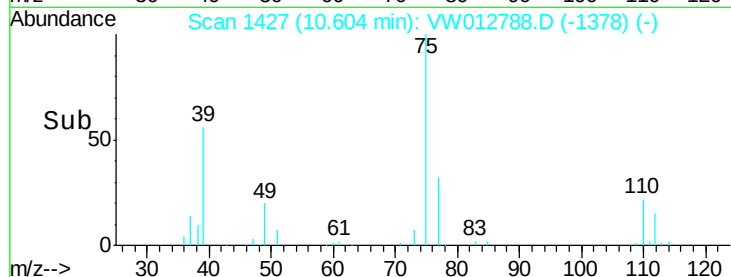
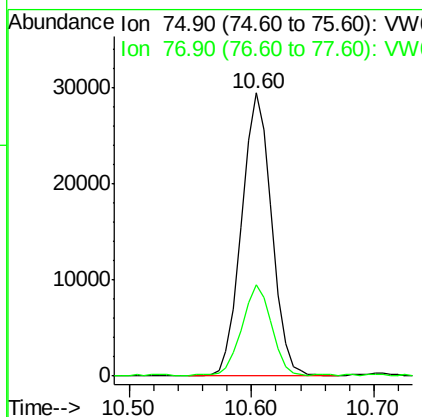
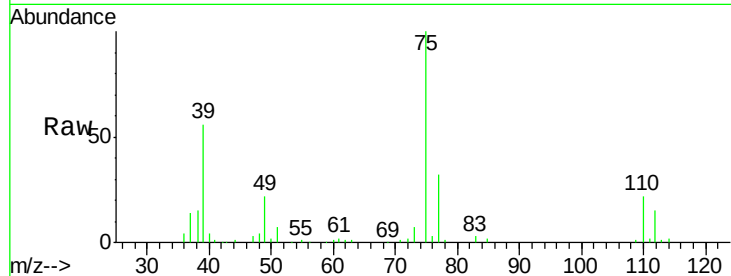
#53
t-1,3-Dichloropropene
Concen: 18.251 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.7	37.1

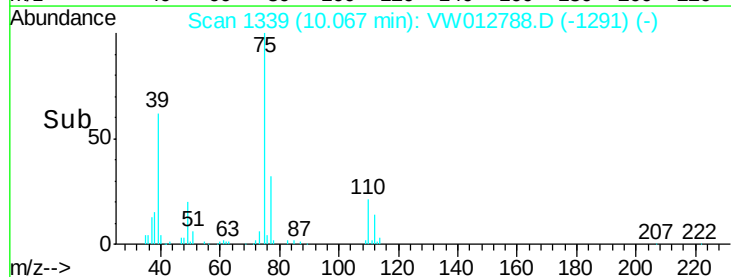
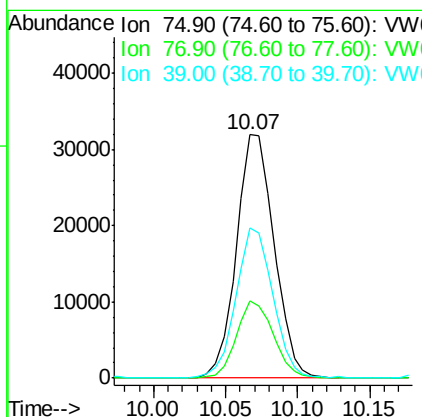
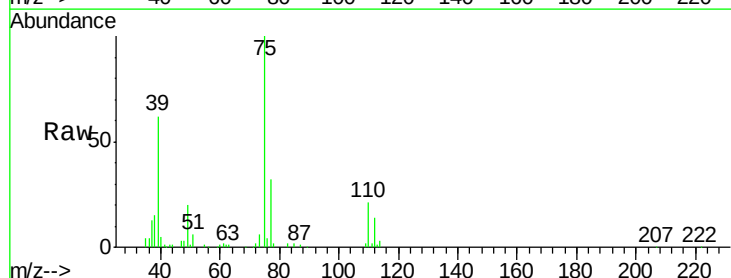
Manual Integrations
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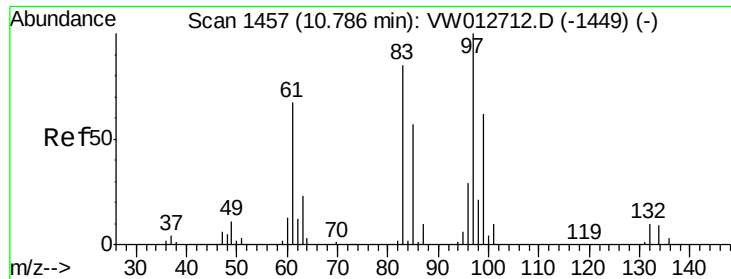
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.683 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	36.8
39	61.6	46.3	69.5





#55

1,1,2-Trichloroethane

Concen: 19.237 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampled :

VW0908SBS02

Tot Ion: 97 Resp: 27927

Ion Ratio Lower Upper

97 100

83 87.2 68.1 102.1

85 54.5 45.3 67.9

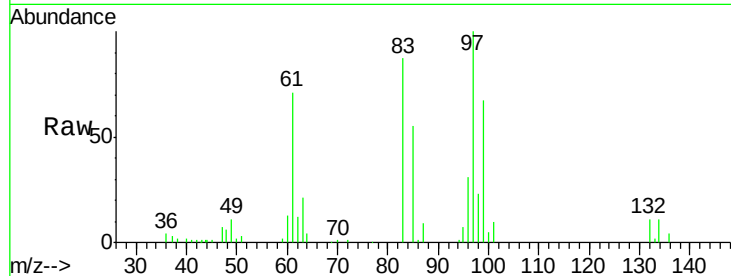
99 66.7 50.0 75.0

Manual Integrations

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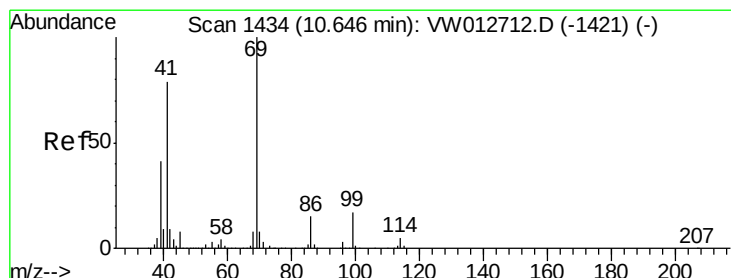
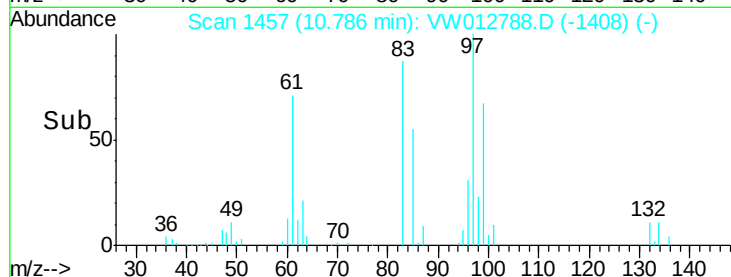
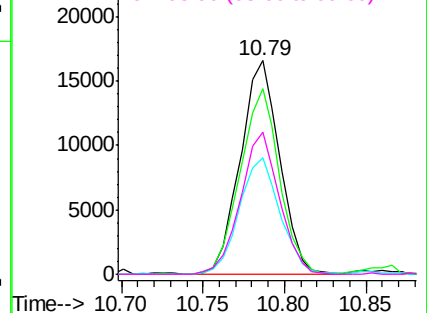
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 18.509 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

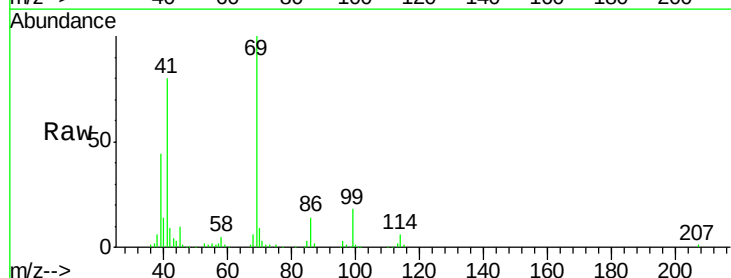
Tgt Ion: 69 Resp: 39331

Ion Ratio Lower Upper

69 100

41 81.5 64.4 96.6

39 38.6 31.1 46.7

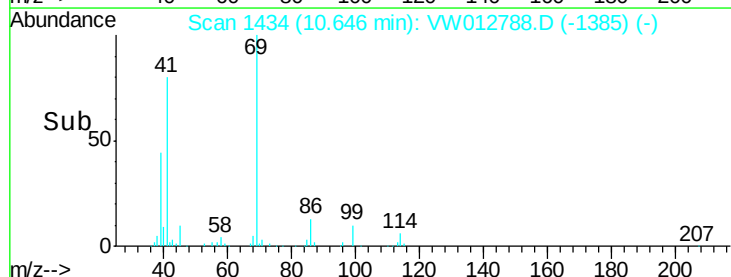
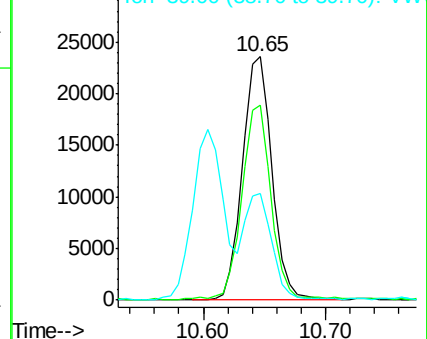


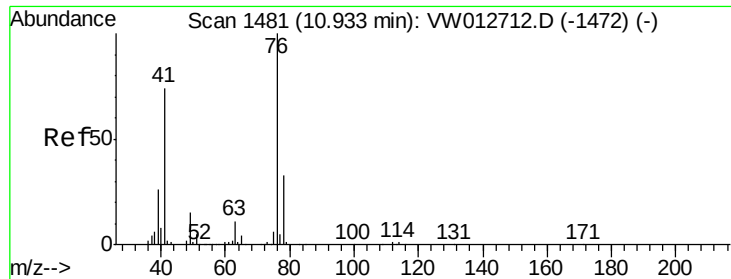
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





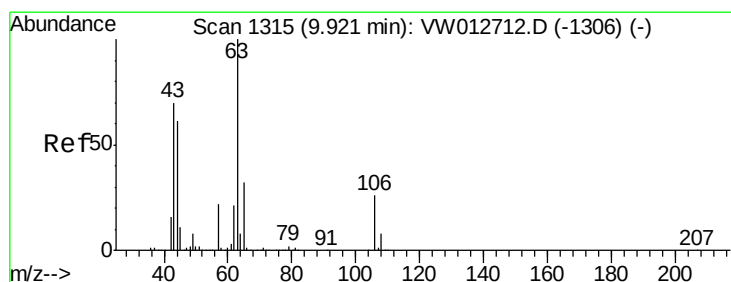
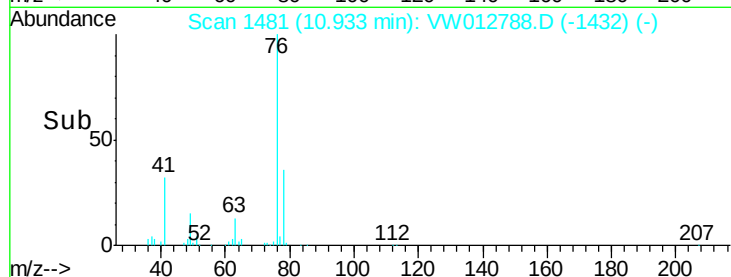
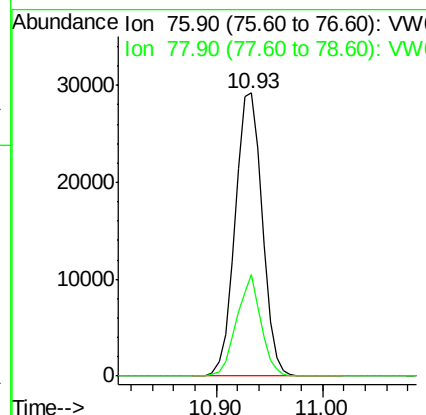
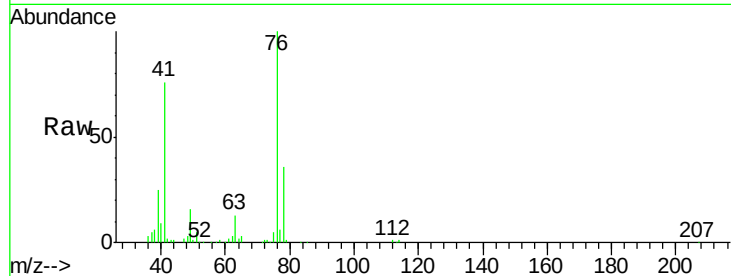
#57
 1,3-Dichloropropane
 Concen: 19.515 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion: 76 Resp: 52410
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.9 38.9

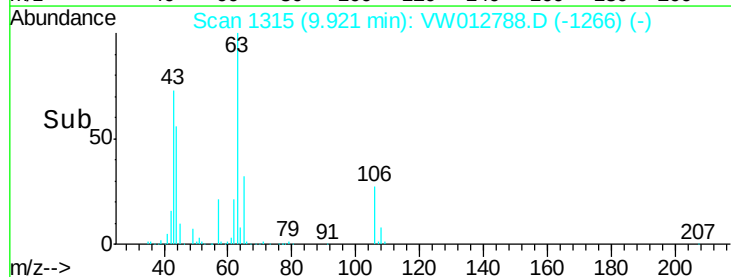
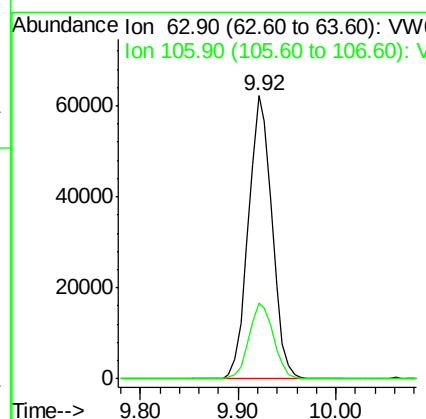
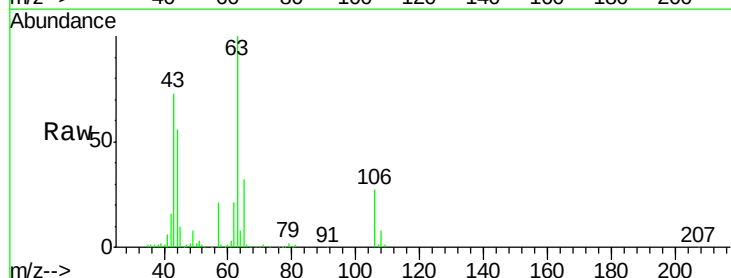
Manual Integrations
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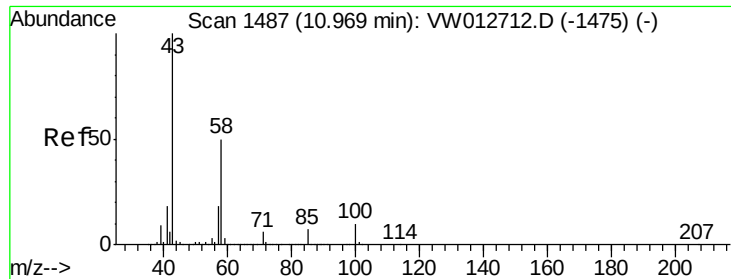
MMDadoda
 9/9/2019 11:24:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.631 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Tgt Ion: 63 Resp: 104500
 Ion Ratio Lower Upper
 63 100
 106 27.5 20.5 30.7





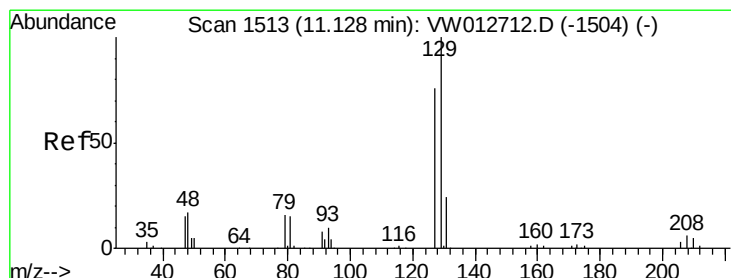
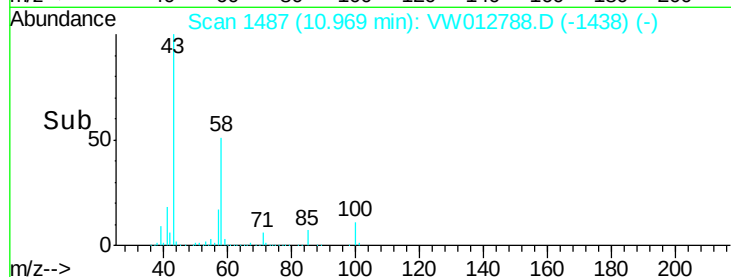
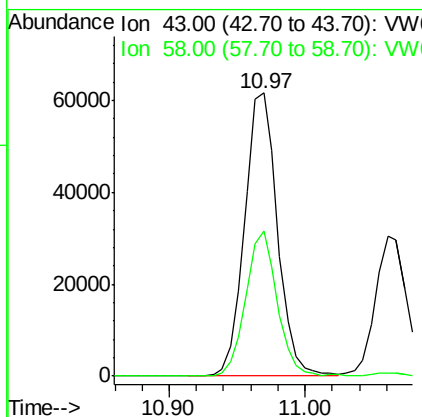
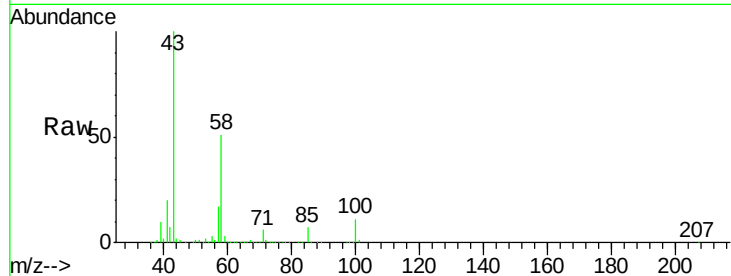
#59
2-Hexanone
Concen: 84.764 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion: 43 Resp: 104432
Ion Ratio Lower Upper
43 100
58 49.2 24.7 74.1

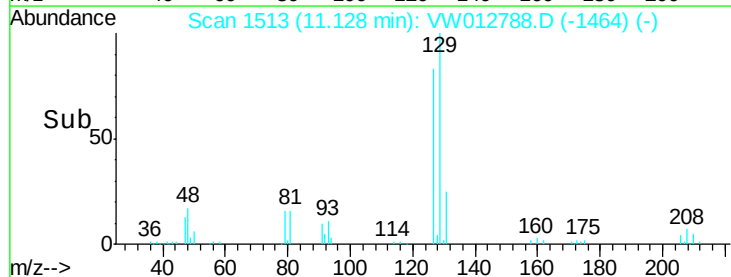
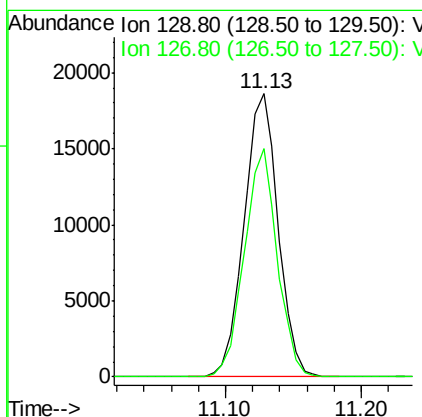
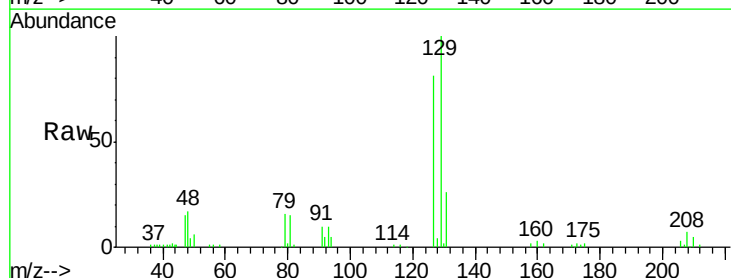
Manual Integrations
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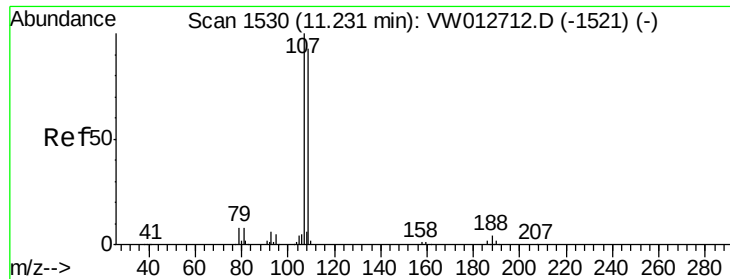
MMDadoda
9/9/2019 11:24:44 AM



#60
Dibromochloromethane
Concen: 19.102 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion: 129 Resp: 32613
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.415 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 107 Resp: 25840

Ion Ratio Lower Upper

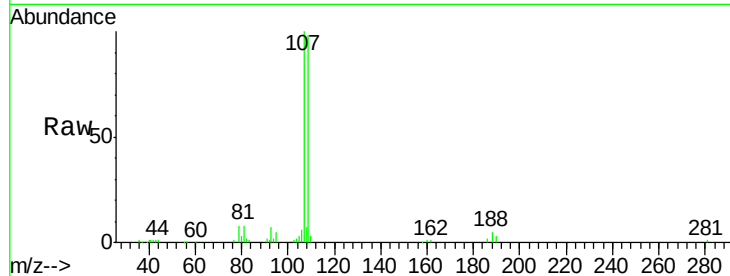
107 100

109 98.0 75.0 112.6

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APPROVED

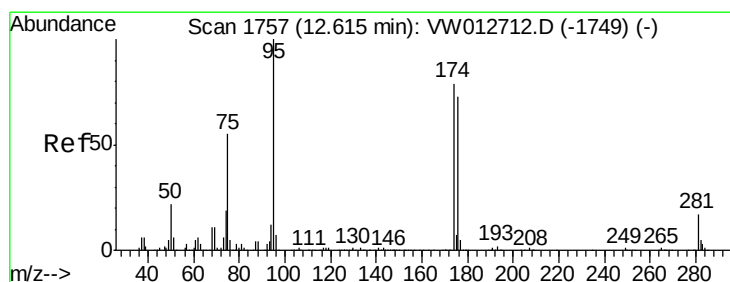
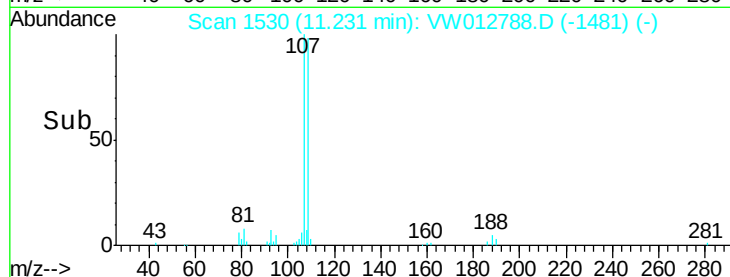
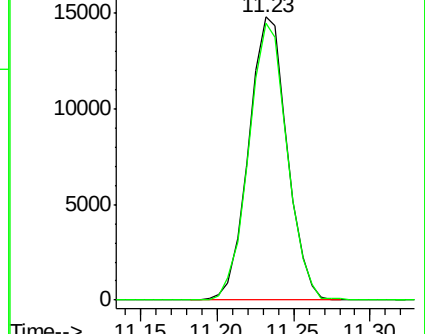
MMDadoda

9/9/2019 11:24:44 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.371 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

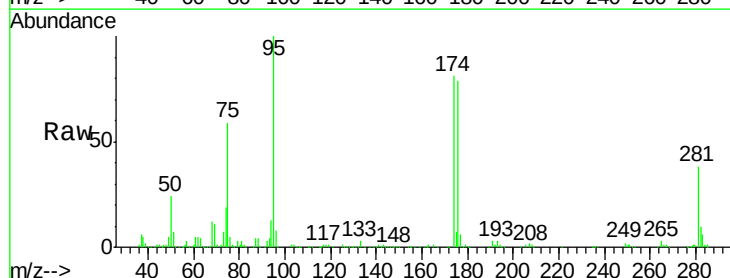
Tgt Ion: 95 Resp: 112366

Ion Ratio Lower Upper

95 100

174 83.1 0.0 161.0

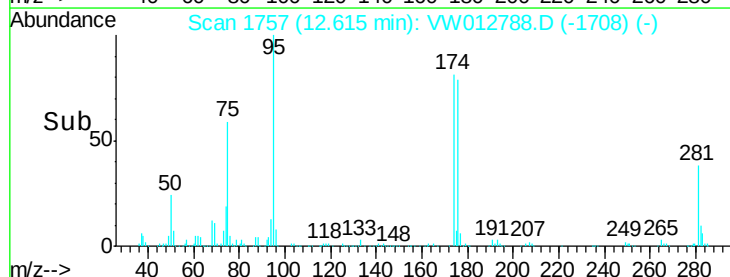
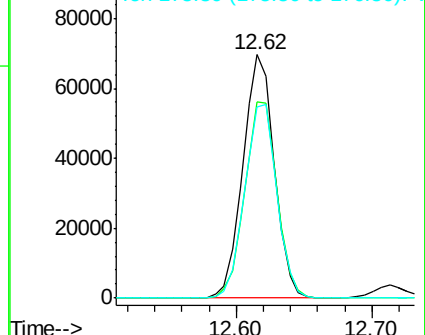
176 81.8 0.0 156.4

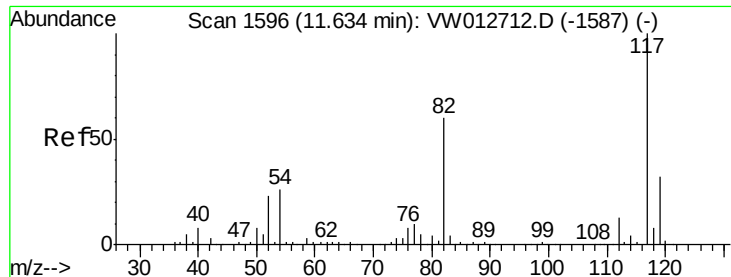


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





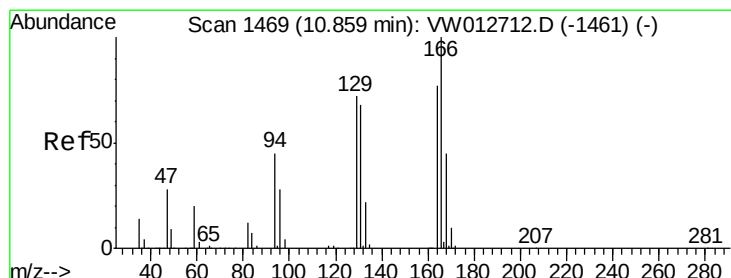
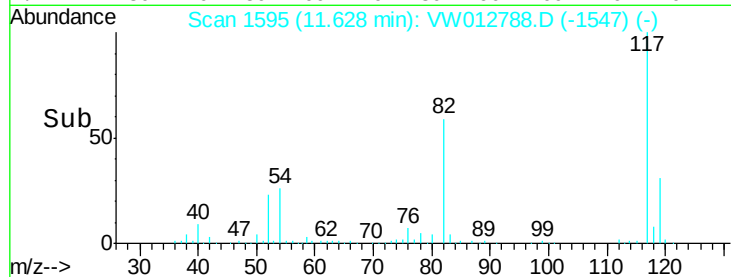
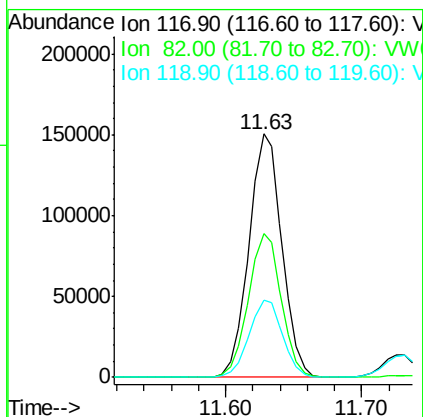
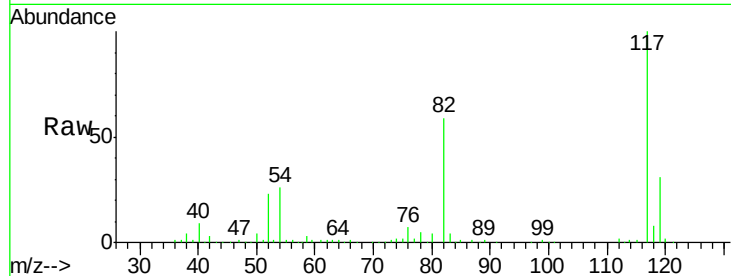
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	48.2	72.4
119	31.5	25.8	38.6

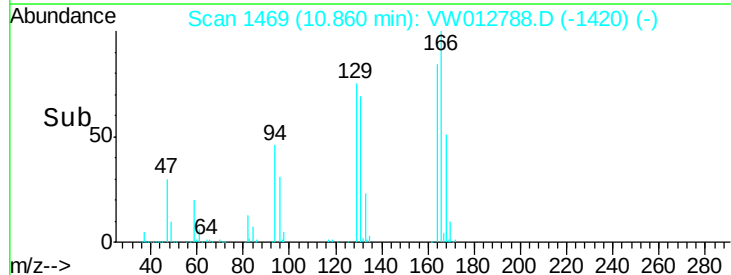
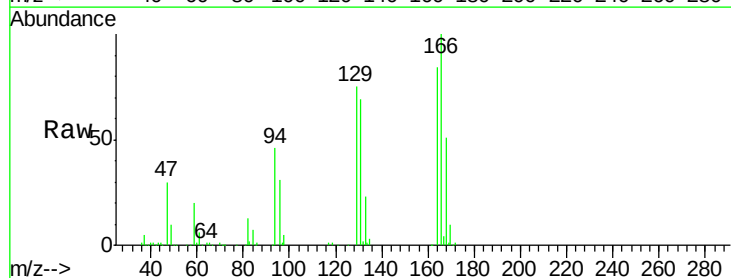
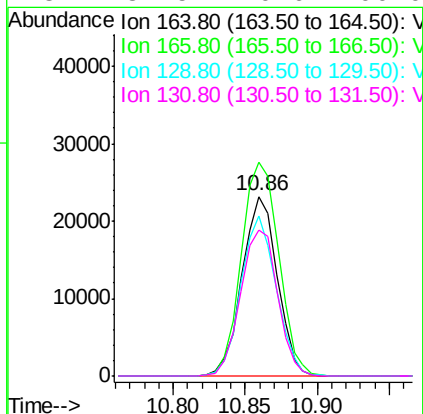
Manual Integrations
APPROVED

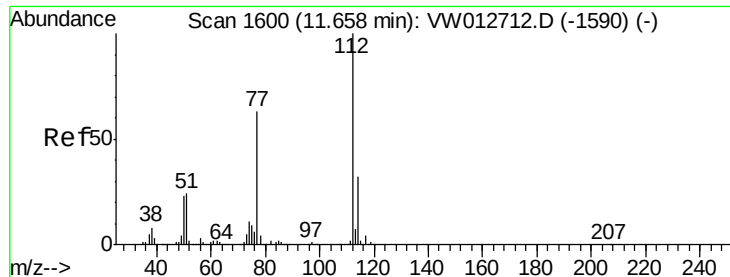
MMDadoda
9/9/2019 11:24:44 AM



#64
Tetrachloroethene
Concen: 25.302 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.8	103.6	155.4
129	89.3	74.6	112.0
131	81.5	70.6	106.0





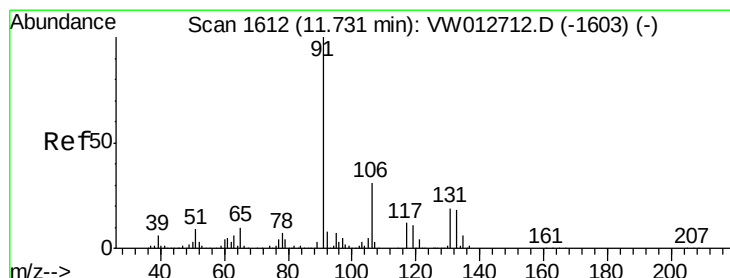
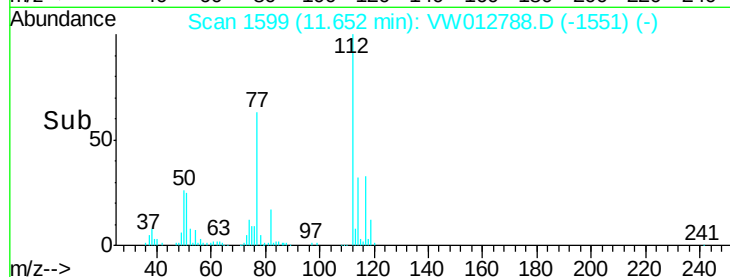
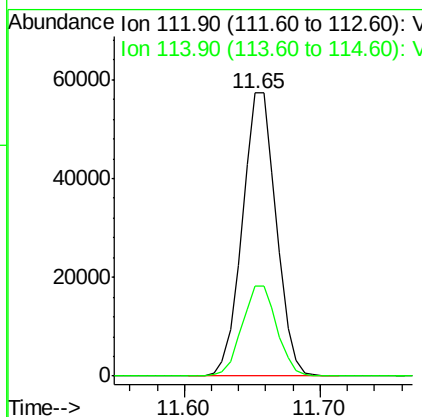
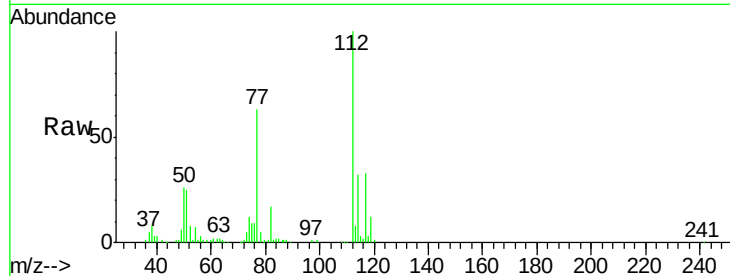
#65
Chlorobenzene
Concen: 20.642 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion:112 Resp: 99872
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9

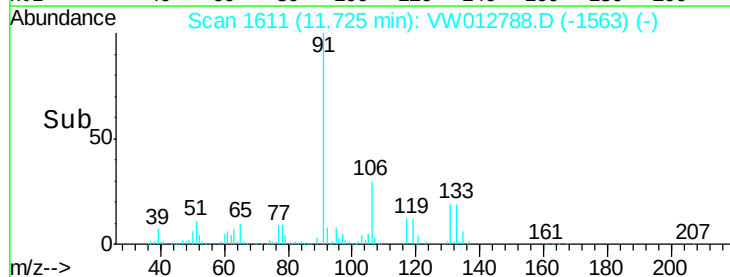
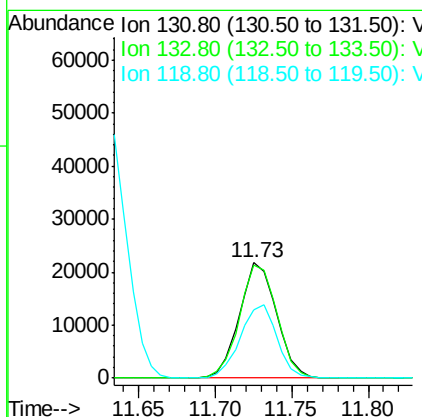
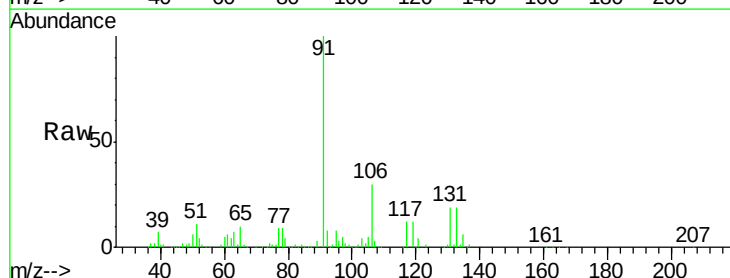
Manual Integrations
APPROVED

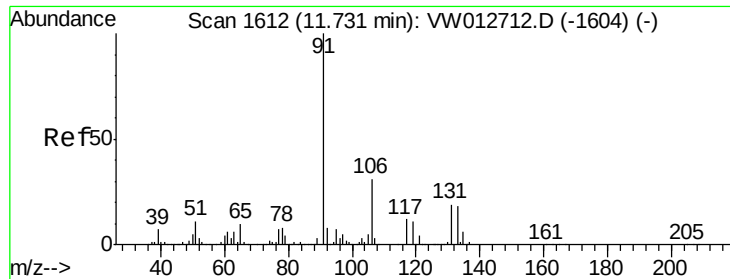
MMDadoda
9/9/2019 11:24:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.406 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion:131 Resp: 36767
Ion Ratio Lower Upper
131 100
133 98.7 47.6 142.8
119 63.0 30.6 92.0





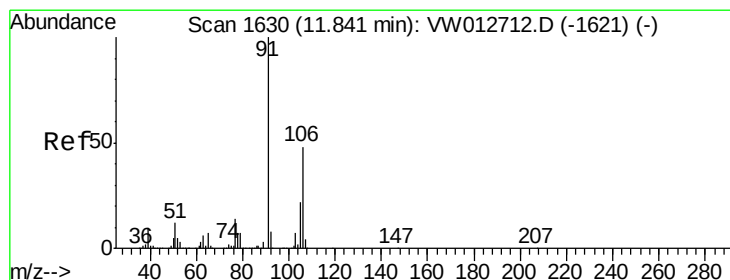
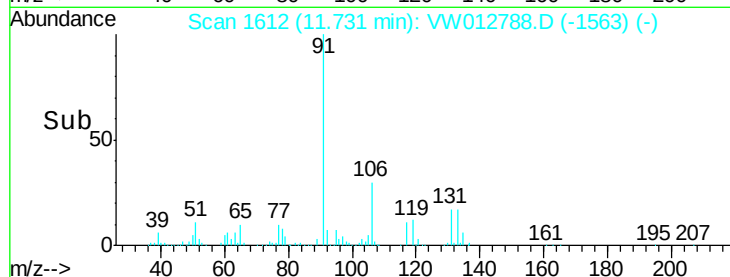
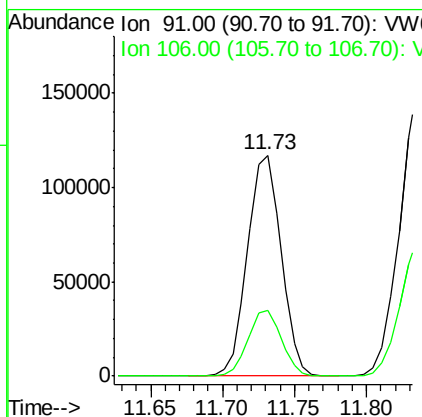
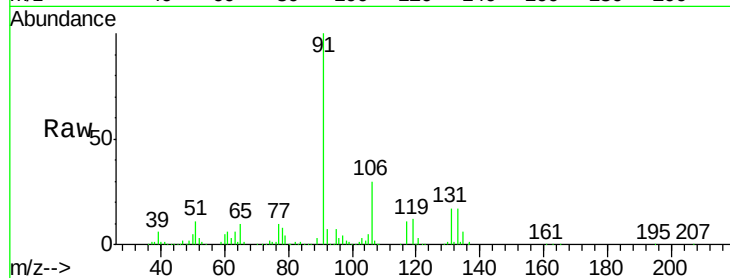
#67
Ethyl Benzene
Concen: 20.897 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.6	24.4	36.6

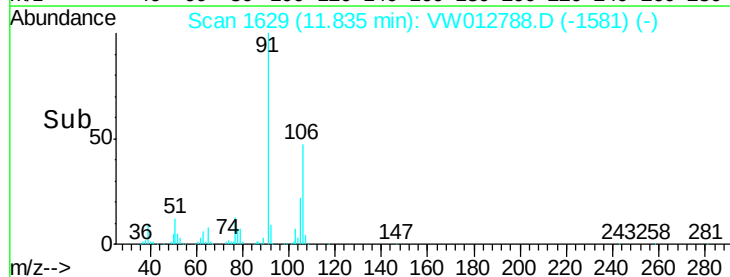
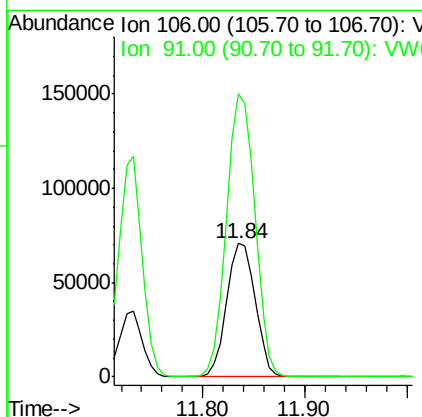
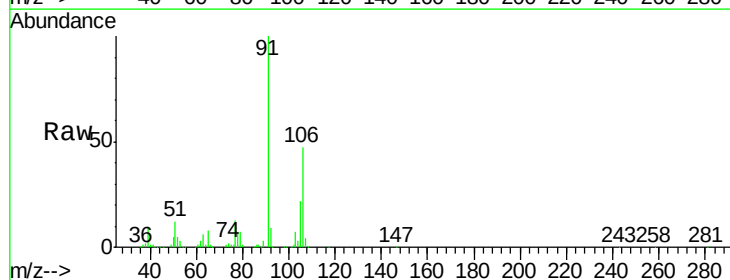
Manual Integrations
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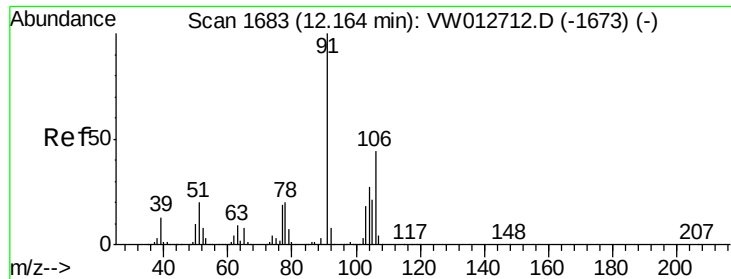
MMDadoda
9/9/2019 11:24:44 AM



#68
m/p-Xylenes
Concen: 41.983 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.3	168.2	252.4





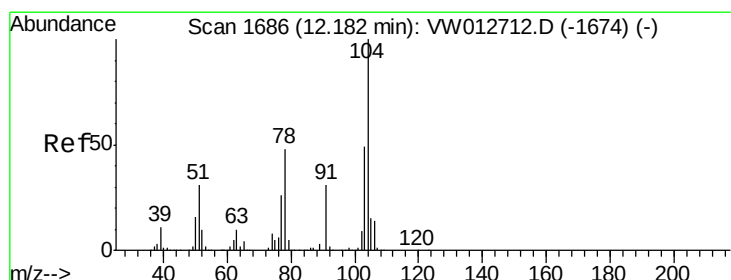
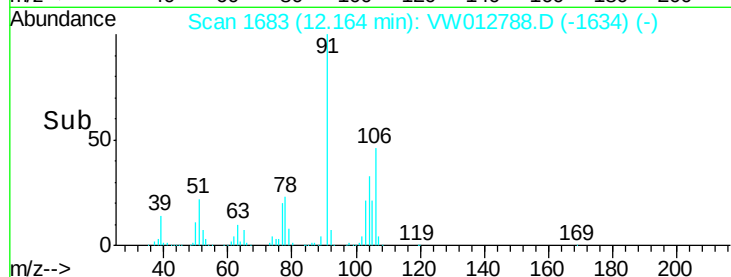
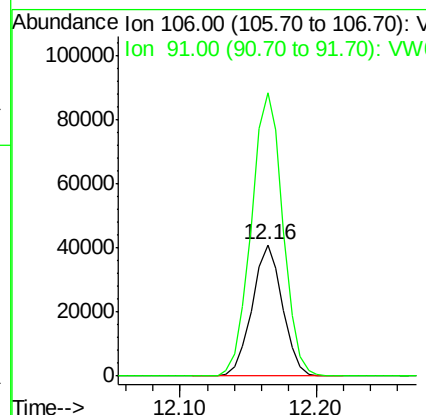
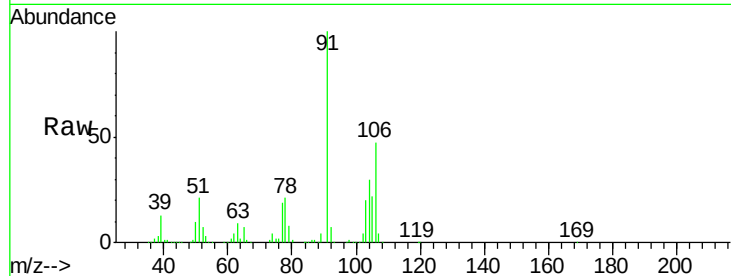
#69
o-Xylene
Concen: 20.713 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion:106 Resp: 64030
Ion Ratio Lower Upper
106 100
91 224.8 112.3 336.8

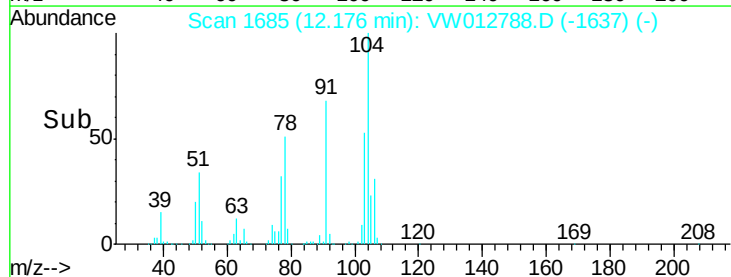
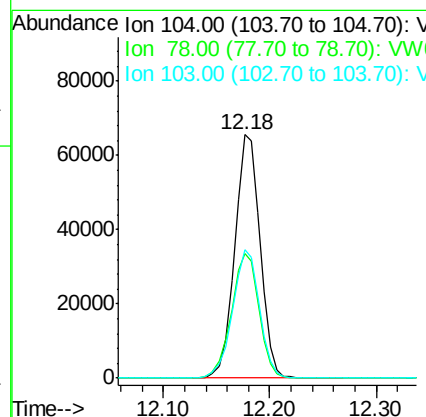
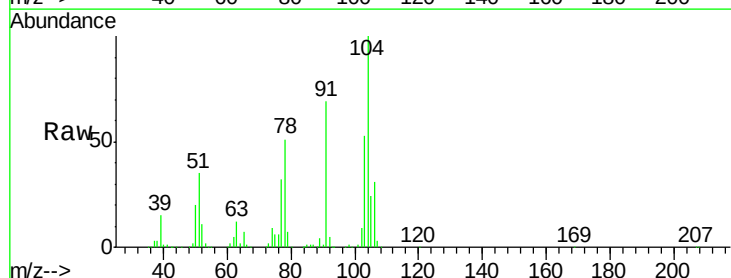
Manual Integrations
APPROVED

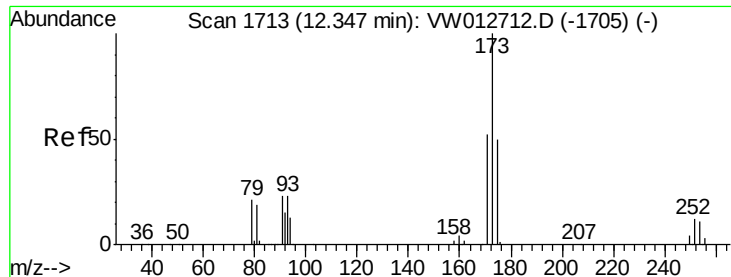
MMDadoda
9/9/2019 11:24:44 AM



#70
Styrene
Concen: 20.020 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion:104 Resp: 109363
Ion Ratio Lower Upper
104 100
78 55.9 43.3 64.9
103 55.9 44.0 66.0





#71

Bromoform

Concen: 19.868 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

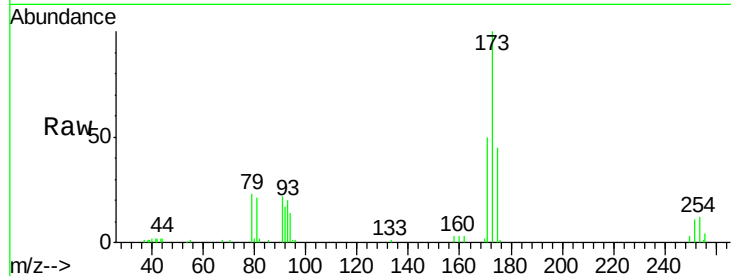
ClientSampled :

VW0908SBS02

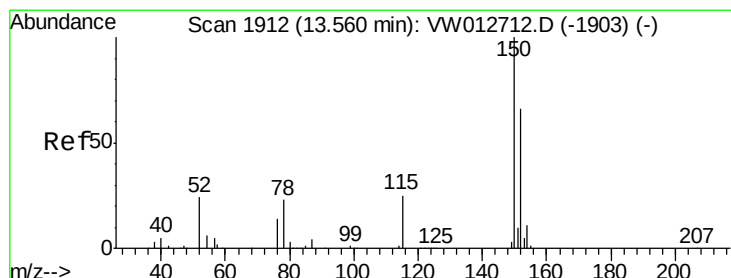
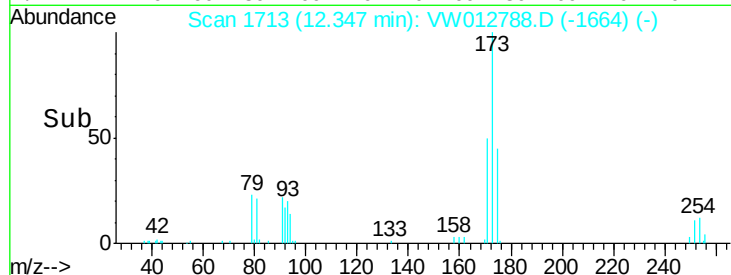
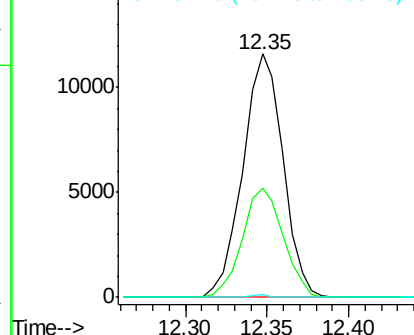
Tot Ion	Ratio	Lower	Upper
173	100		
175	45.7	24.8	74.3
254	0.3	0.1	0.1

Manual Integrations
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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

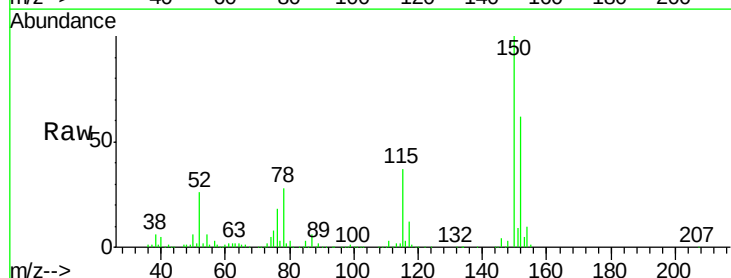
RT: 13.55 min Scan# 1911

Delta R.T. -0.01 min

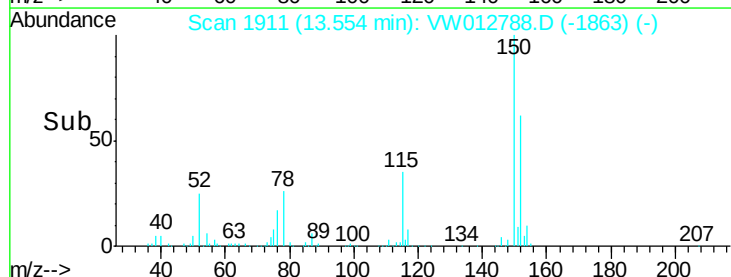
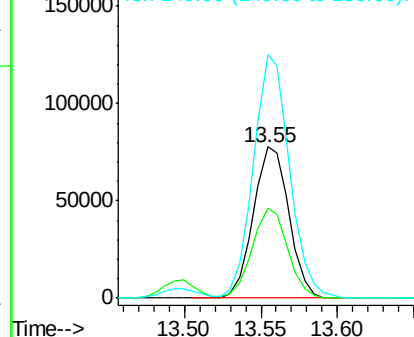
Lab File: VW012788.D

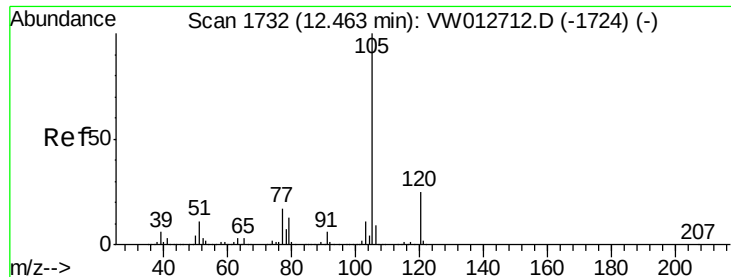
Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.0	90.1
150	164.0	0.0	349.0



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





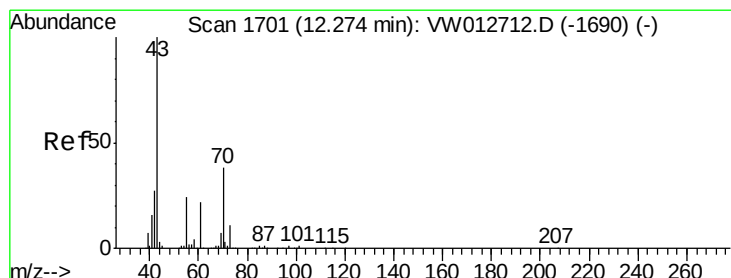
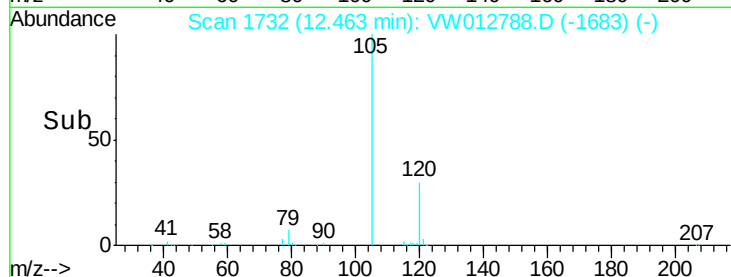
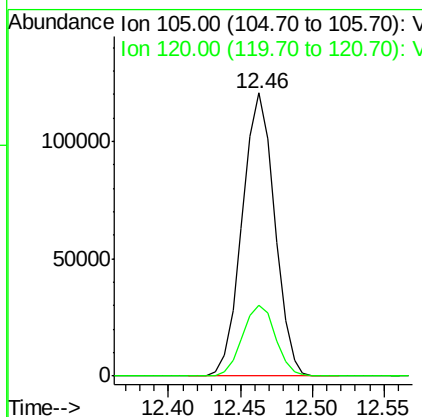
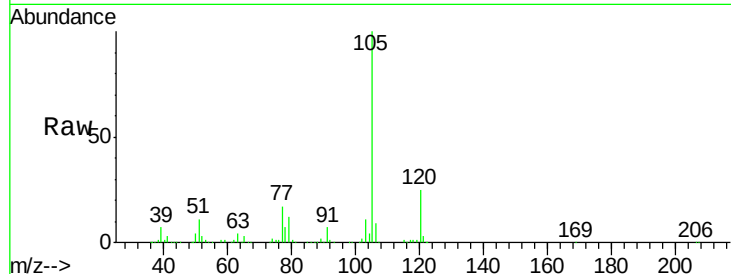
#73
Isopropylbenzene
Concen: 20.869 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	188129		
120	25.7	13.0	38.9	

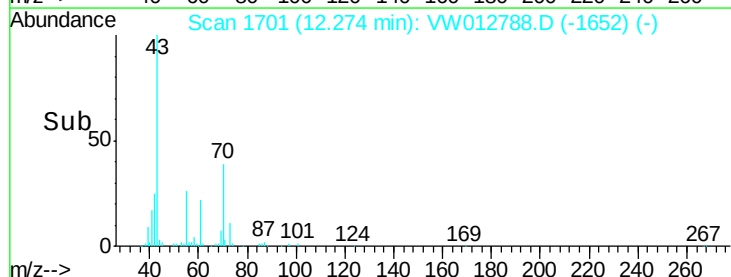
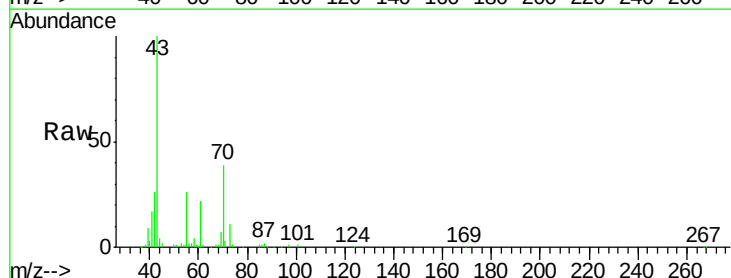
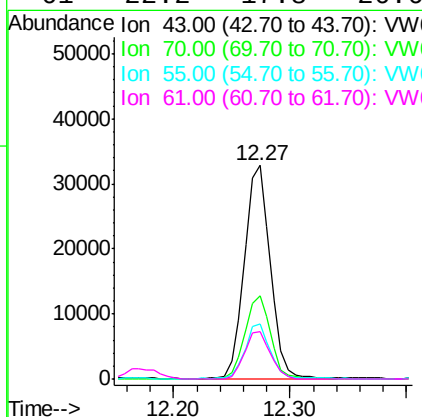
Manual Integrations
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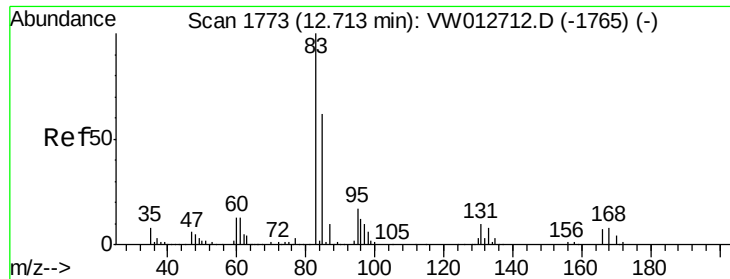
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9/9/2019 11:24:44 AM



#74
N-ethyl acetate
Concen: 17.954 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	51375		
70	38.8	29.4	44.0	
55	25.8	18.6	27.8	
61	22.2	17.8	26.6	





#75

1,1,2,2-Tetrachloroethane

Concen: 18.939 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

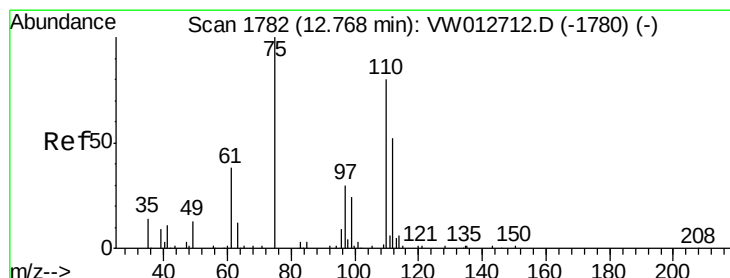
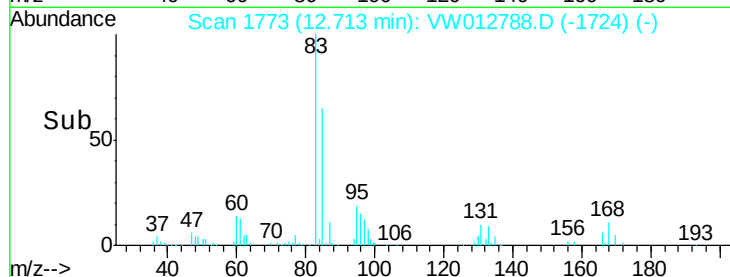
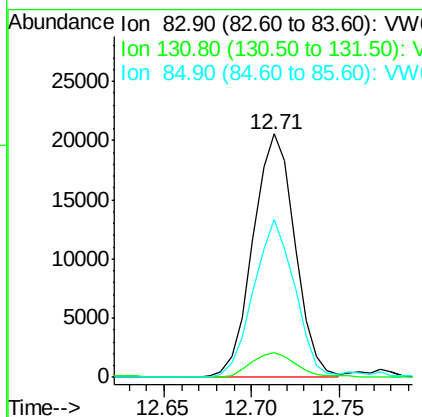
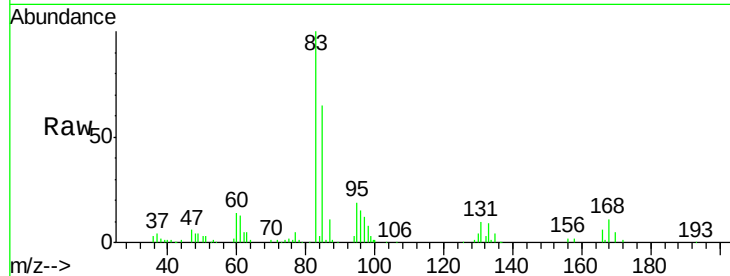
ClientSampleId :

VW0908SBS02

Tot Ion:	83	Resp:	34287
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.1	15.4
85	63.5	31.4	94.2

Manual Integrations
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9/9/2019 11:24:44 AM



#76

1,2,3-Trichloropropane

Concen: 21.303 ug/l m

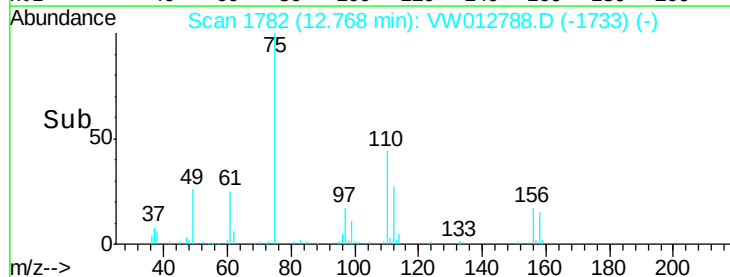
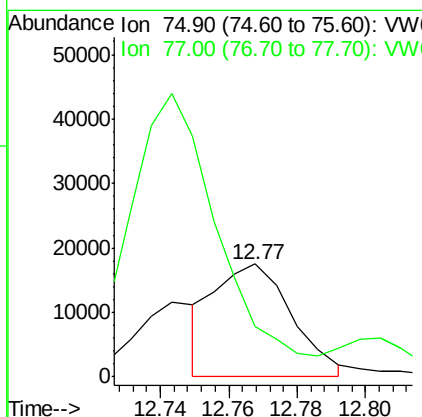
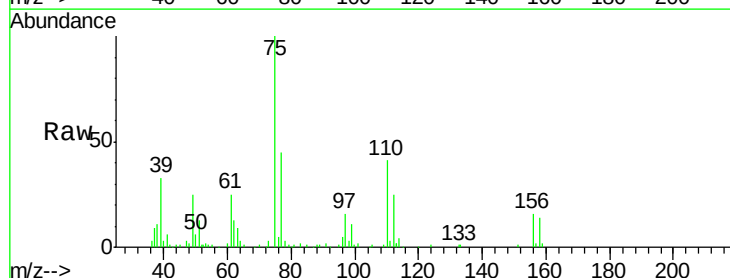
RT: 12.77 min Scan# 1782

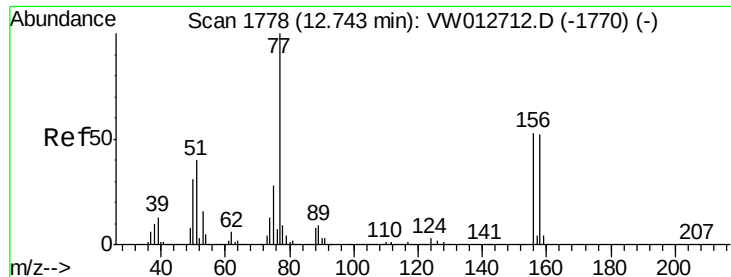
Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Tgt Ion:	75	Resp:	27379
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.907 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

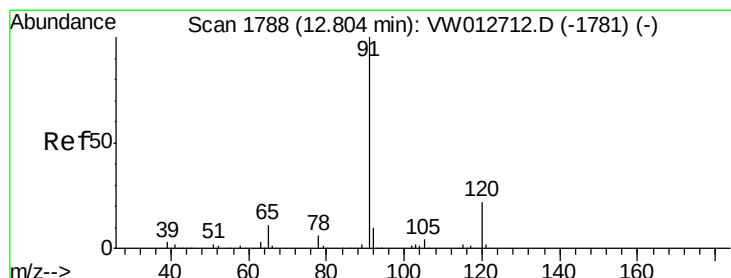
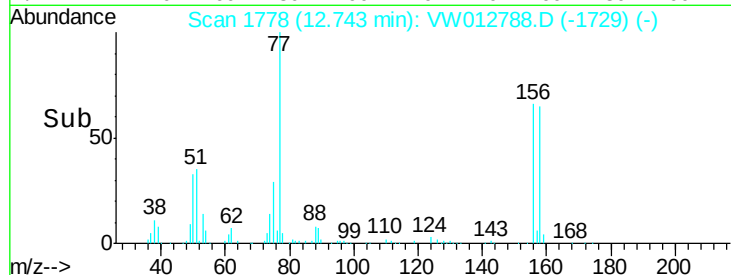
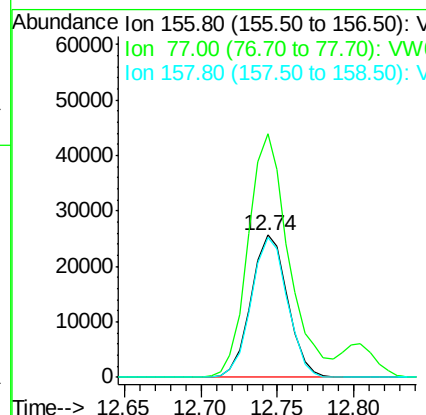
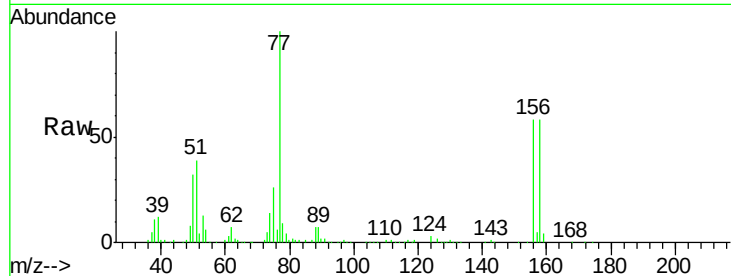
ClientSampleId :

VW0908SBS02

Tot Ion:	156	Resp:	42700
Ion	Ratio	Lower	Upper
156	100		
77	190.8	102.3	306.9
158	97.5	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.711 ug/l

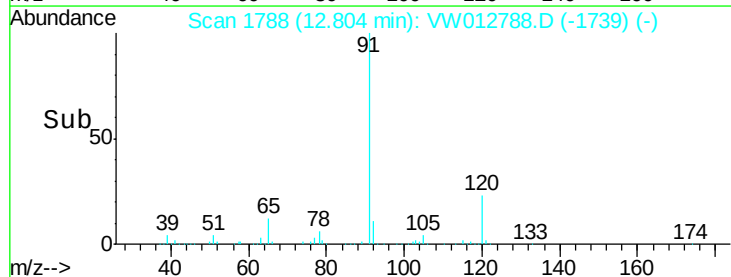
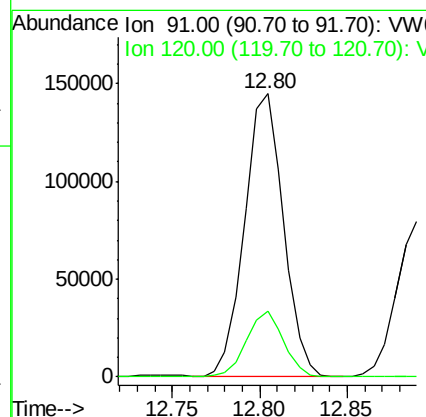
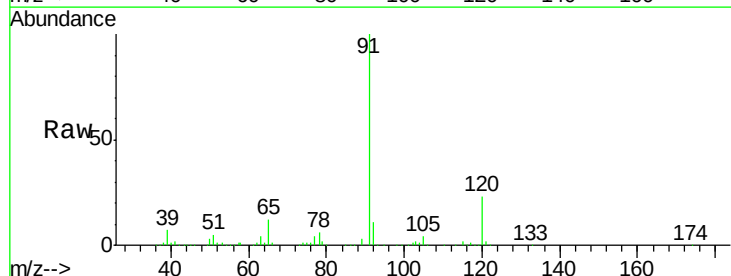
RT: 12.80 min Scan# 1788

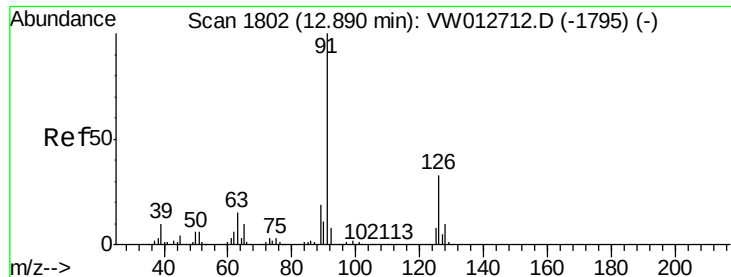
Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Tgt Ion:	91	Resp:	223295
Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0





#79

2-Chlorotoluene

Concen: 20.442 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampleId :

VW0908SBS02

Tot Ion: 91 Resp: 126527

Ion Ratio Lower Upper

91 100

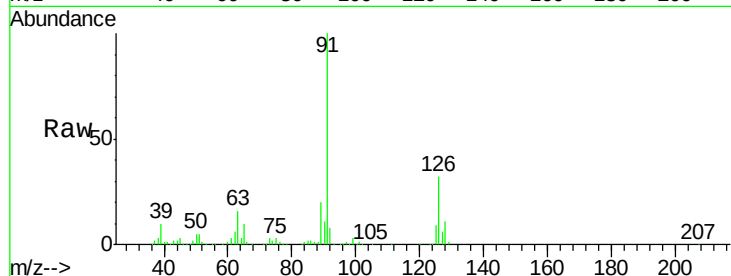
126 31.7 16.1 48.3

Manual Integrations

APPROVED

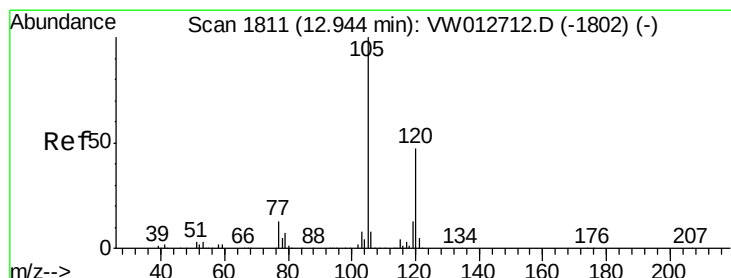
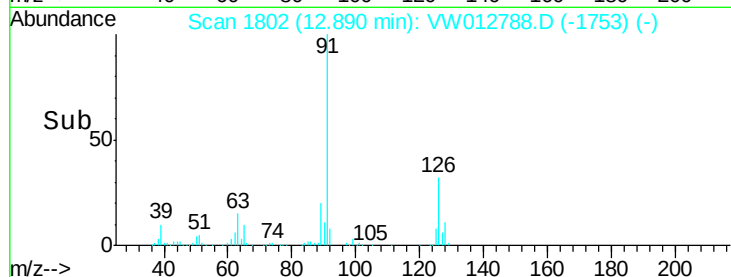
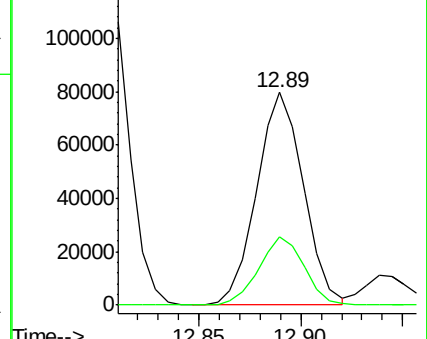
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.602 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW012788.D

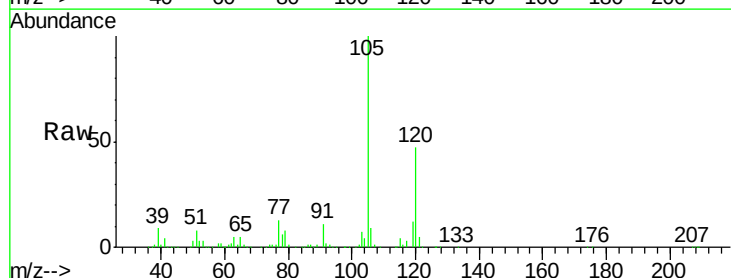
Acq: 08 Sep 2019 23:56

Tgt Ion:105 Resp: 156500

Ion Ratio Lower Upper

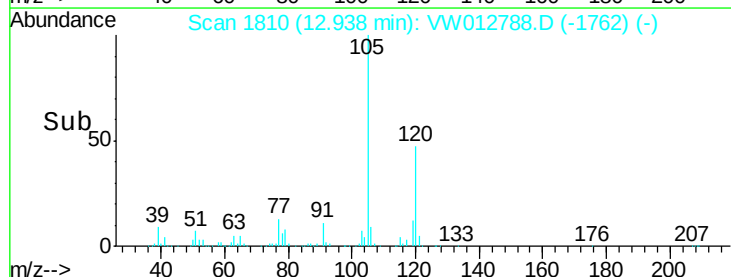
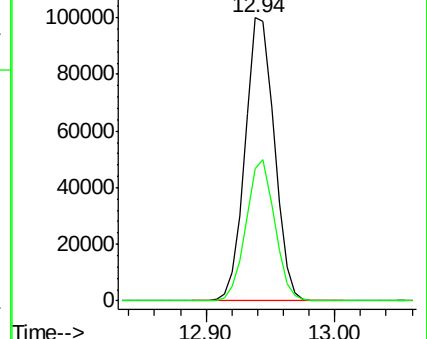
105 100

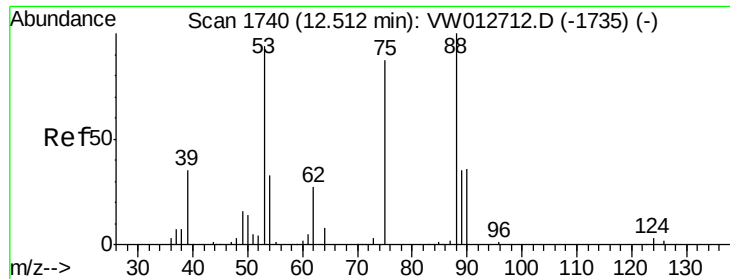
120 48.8 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





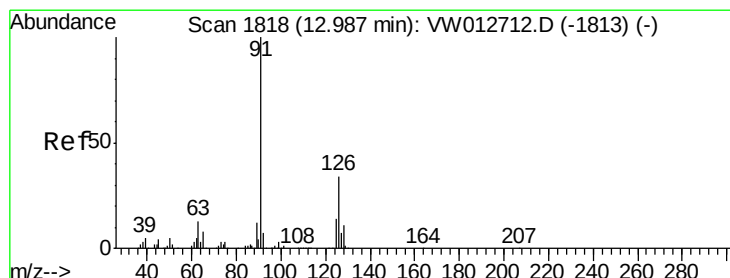
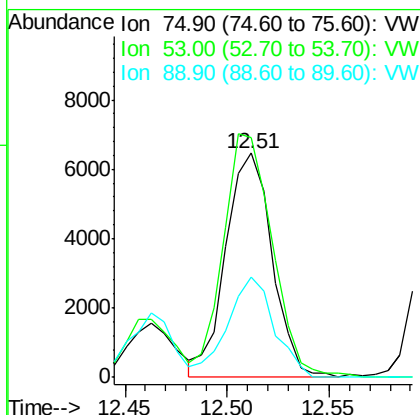
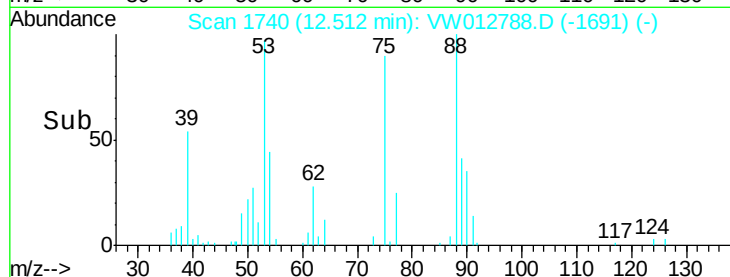
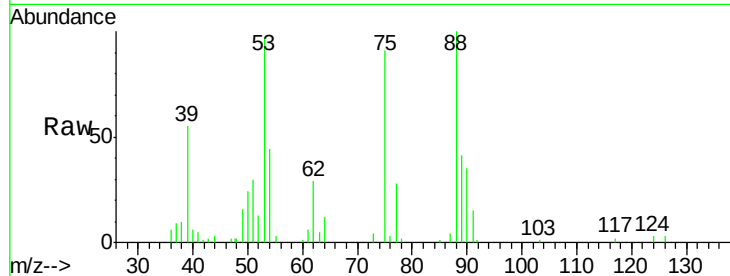
#81
trans-1,4-Dichloro-2-butene
Concen: 16.776 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.9	87.6	131.4
89	45.2	35.5	53.3

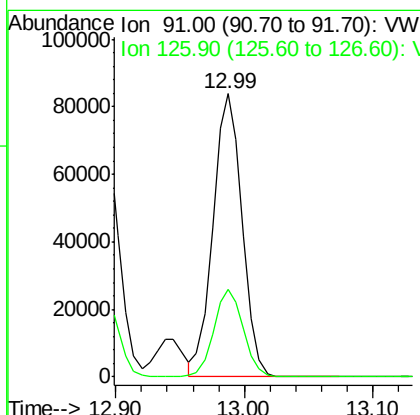
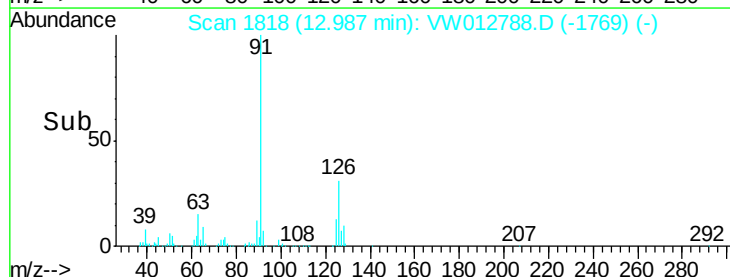
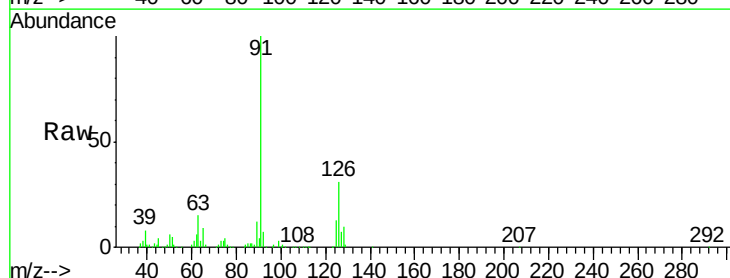
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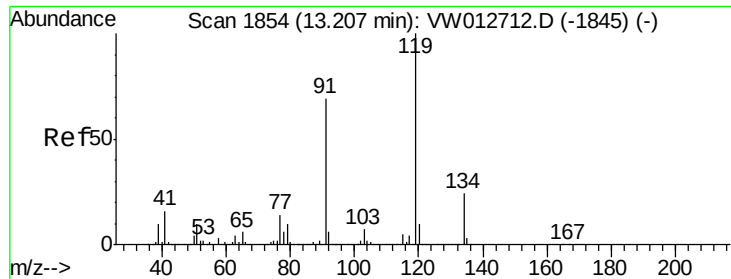
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#82
4-Chlorotoluene
Concen: 20.282 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.9	47.6





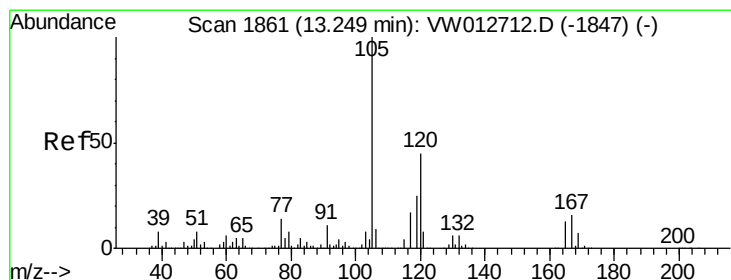
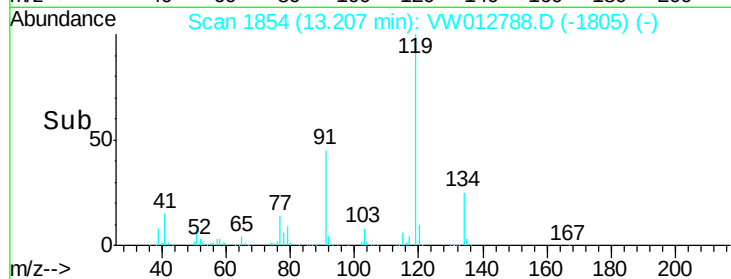
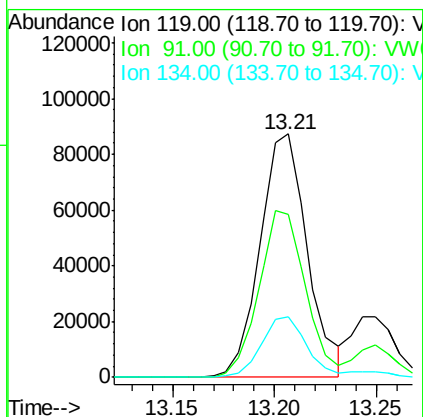
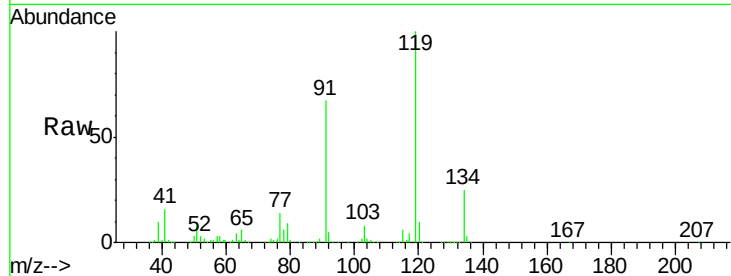
#83
 tert-Butylbenzene
 Concen: 21.045 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.2	102.5
134	24.5	12.3	36.9

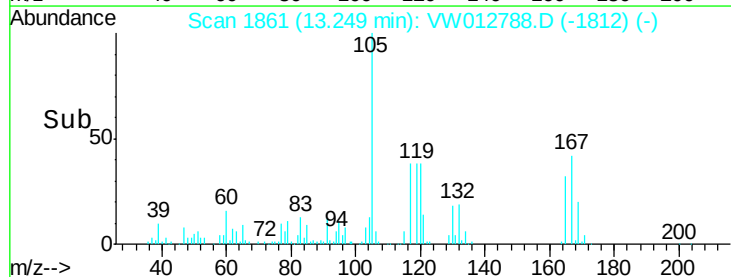
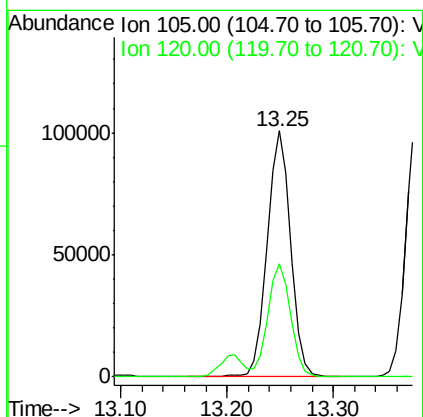
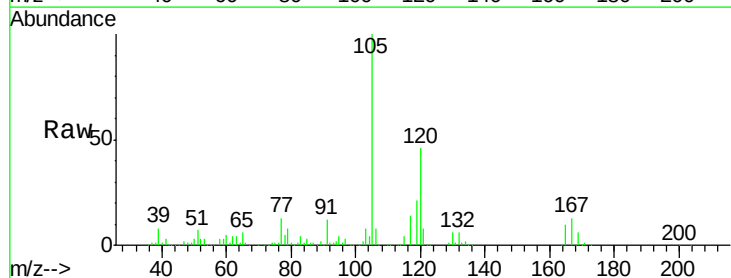
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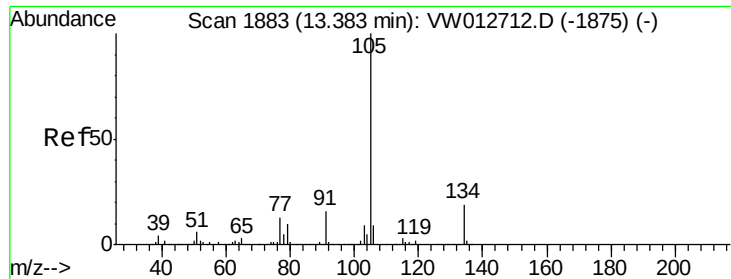
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.360 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.3





#85

sec-Butylbenzene

Concen: 20.771 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

Instrument :

MSVOA_W

ClientSampled :

VW0908SBS02

Tot Ion:105 Resp: 193589

Ion Ratio Lower Upper

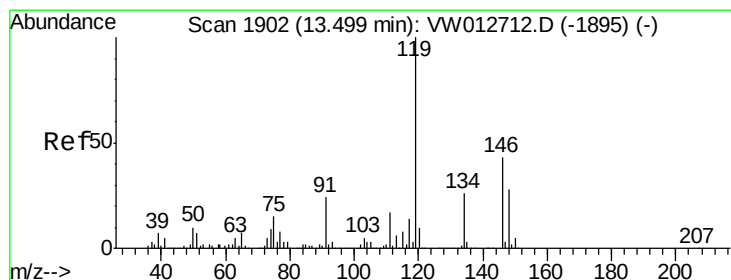
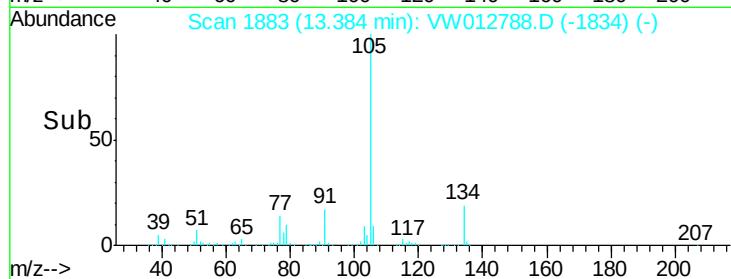
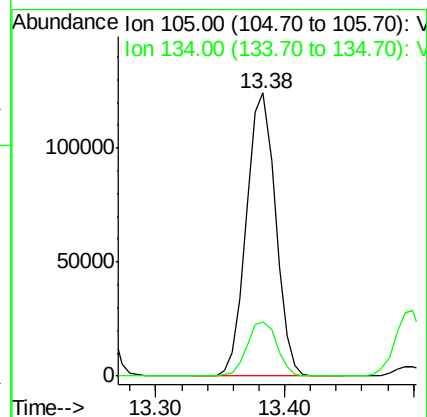
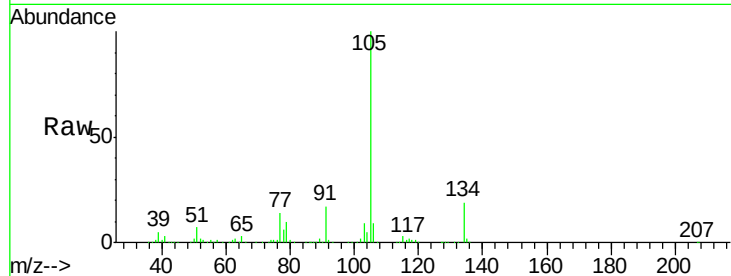
105 100

134 19.8 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.376 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW012788.D

Acq: 08 Sep 2019 23:56

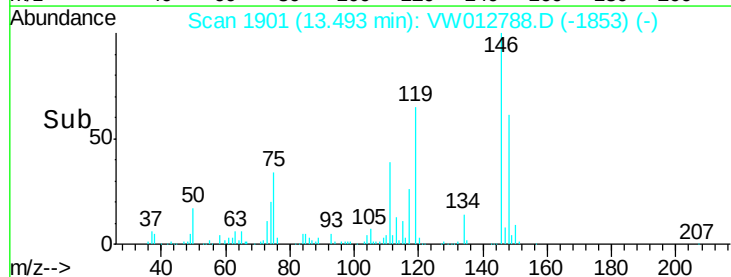
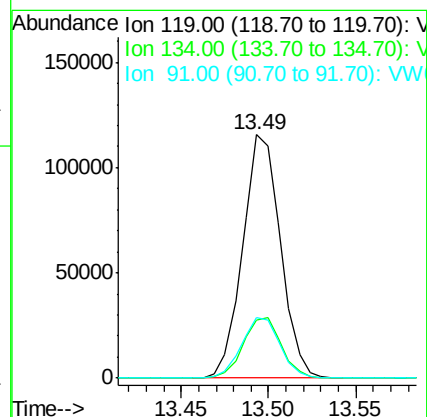
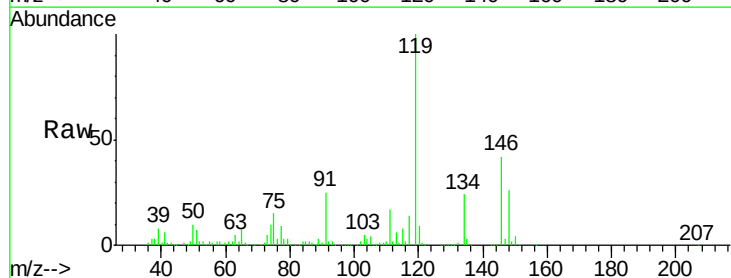
Tgt Ion:119 Resp: 173466

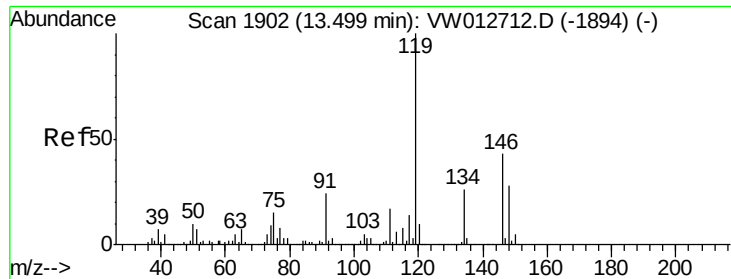
Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.1

91 25.3 12.2 36.6





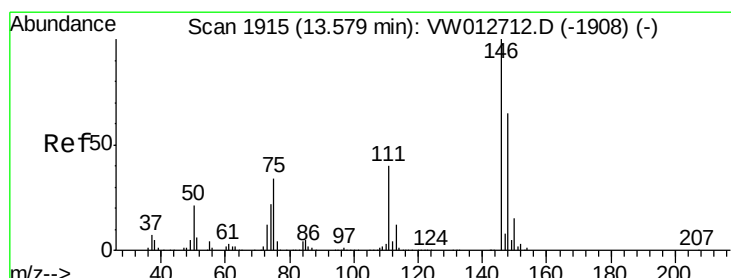
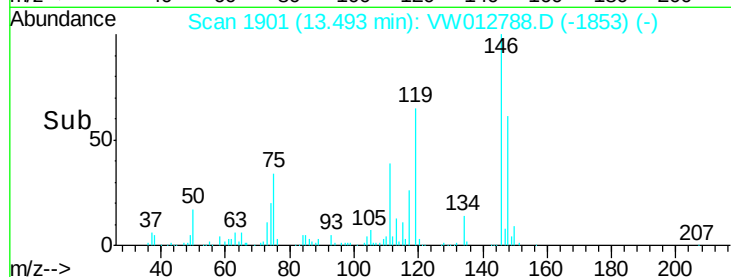
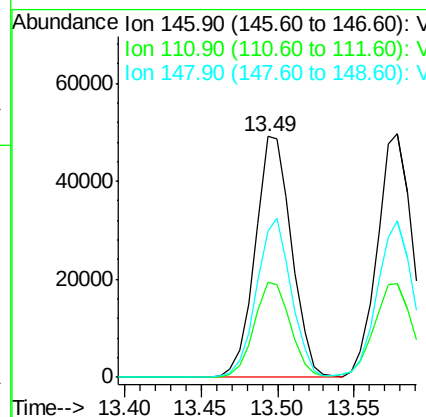
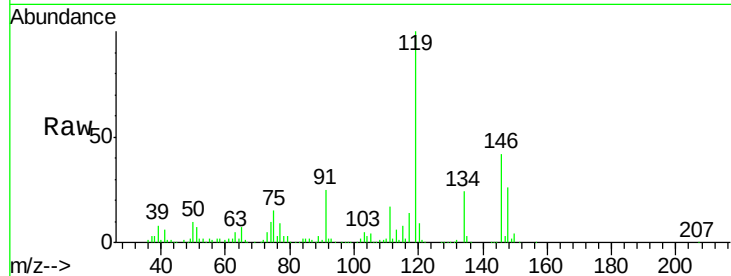
#87
 1,3-Dichlorobenzene
 Concen: 20.253 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.4	61.2
148	63.3	31.8	95.4

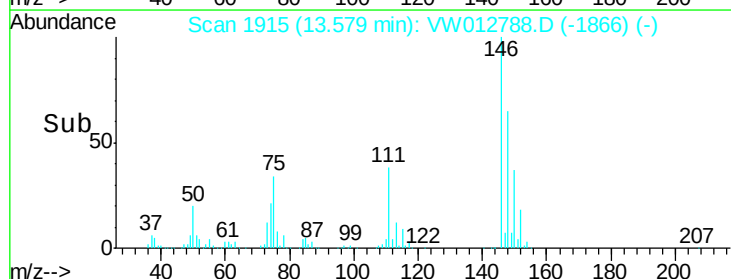
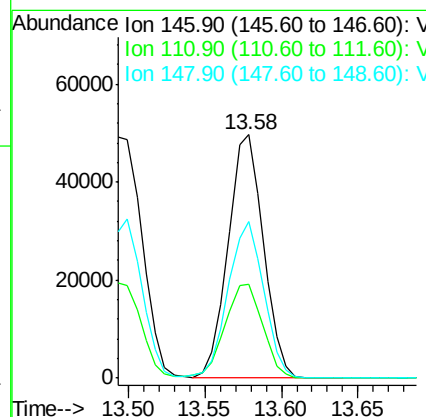
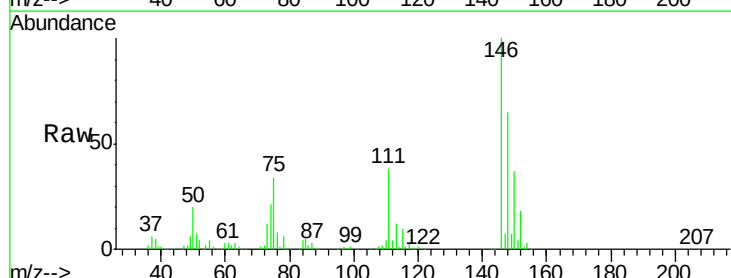
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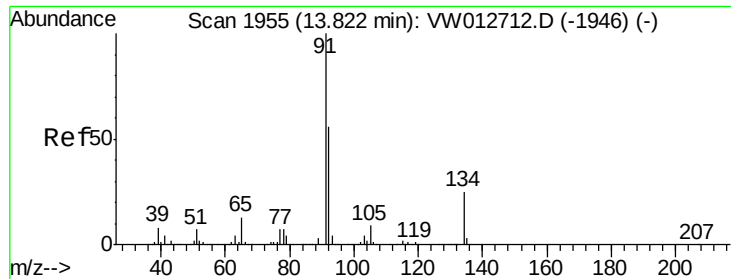
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#88
 1,4-Dichlorobenzene
 Concen: 19.953 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.0	60.0
148	65.1	32.2	96.6





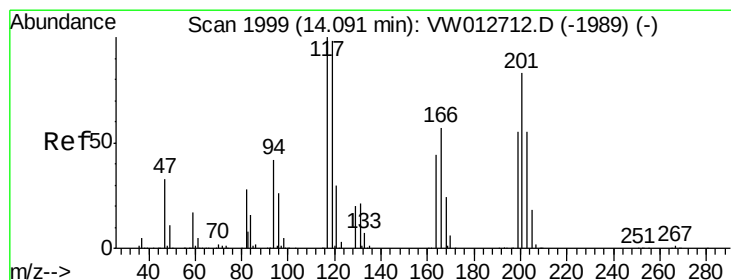
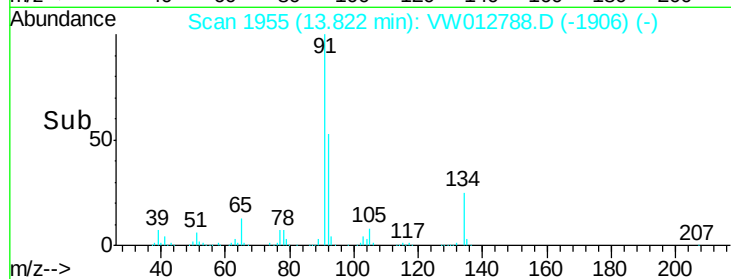
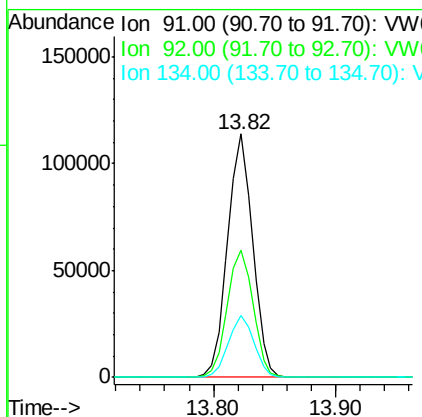
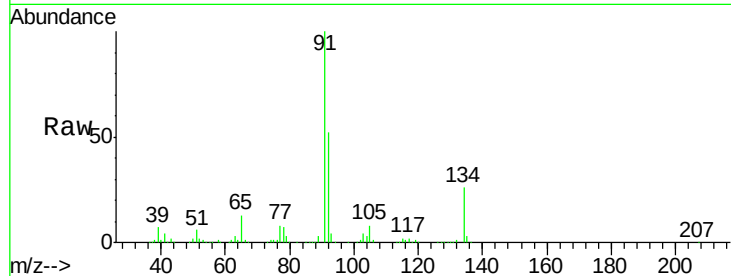
#89
n-Butylbenzene
Concen: 19.591 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	161916		
92	53.8	27.2	81.5	
134	26.1	12.7	38.1	

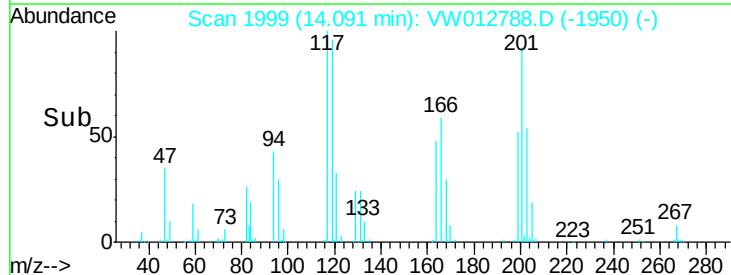
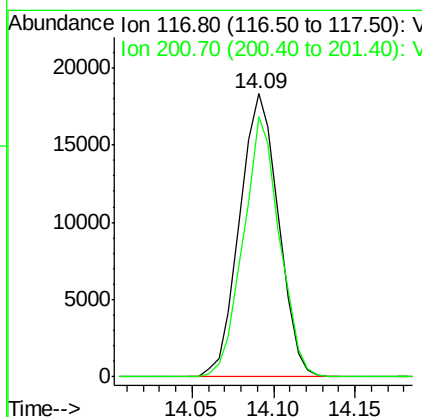
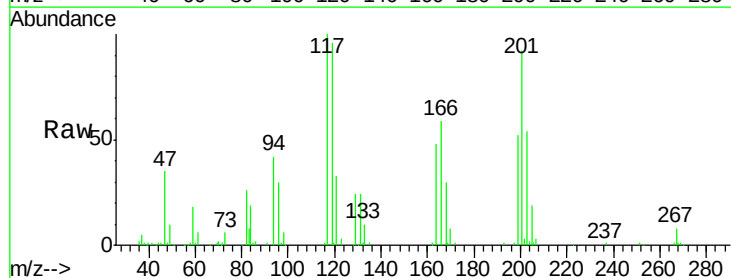
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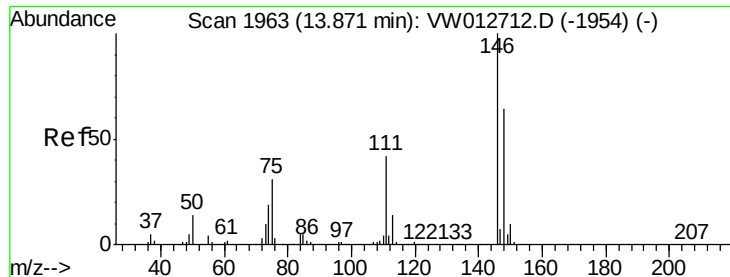
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#90
Hexachloroethane
Concen: 20.480 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30437		
201	85.7	42.8	128.4	





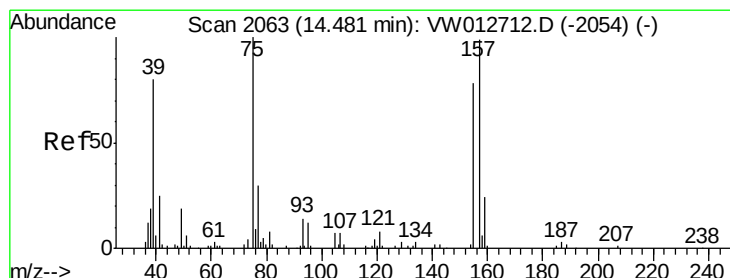
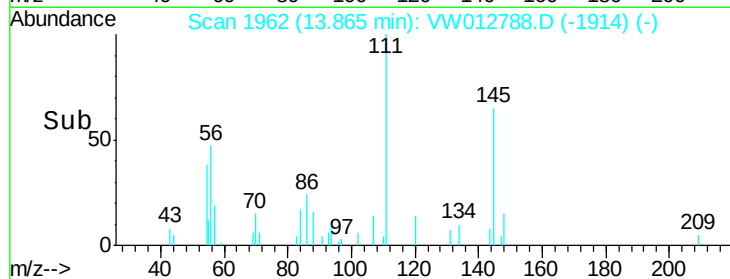
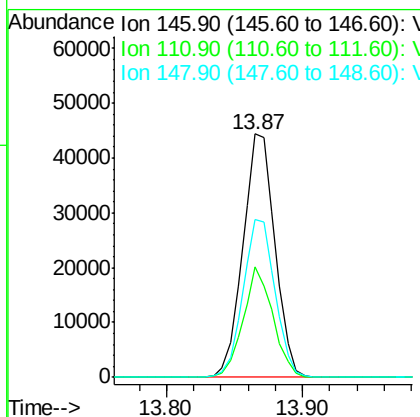
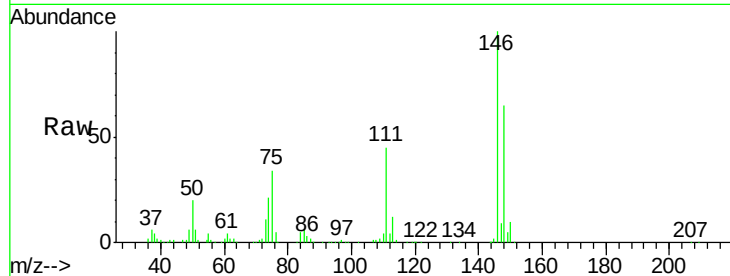
#91
 1,2-Dichlorobenzene
 Concen: 20.213 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.3	63.9
148	64.8	32.1	96.5

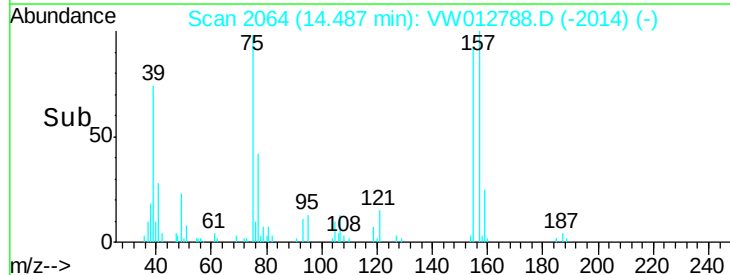
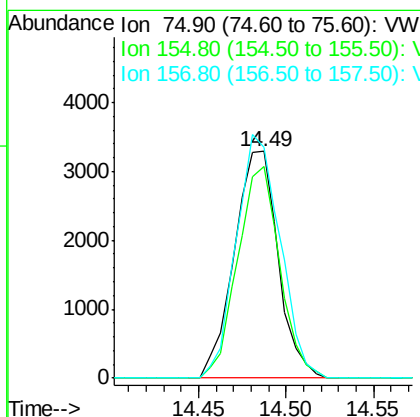
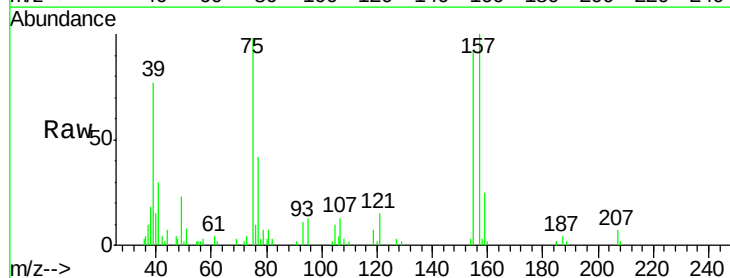
Manual Integrations
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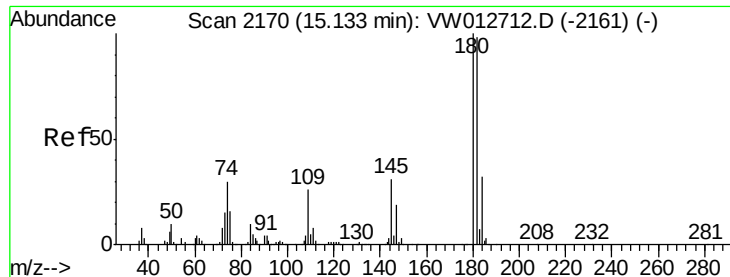
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.307 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	40.6	122.0
157	106.9	52.5	157.5





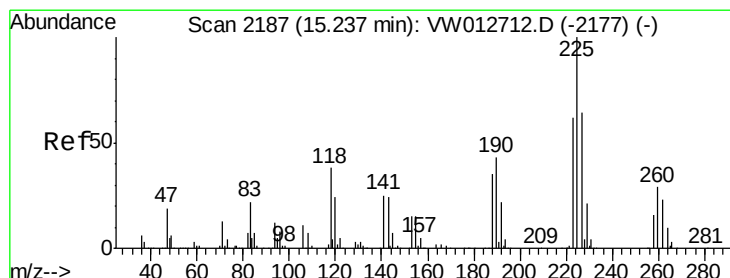
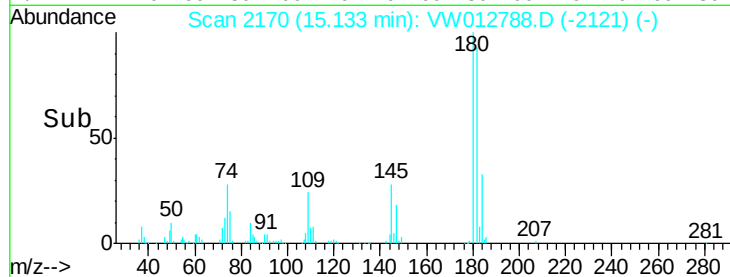
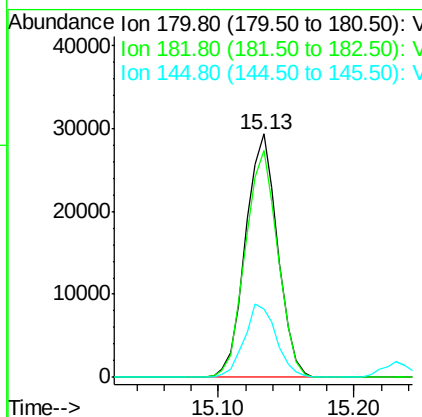
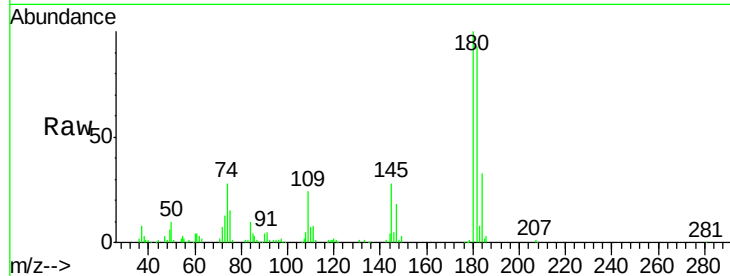
#93
 1,2,4-Trichlorobenzene
 Concen: 19.263 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	48.7	146.1	
145	29.9	15.0	45.1	

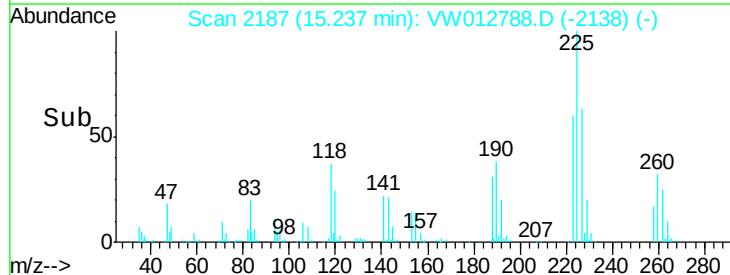
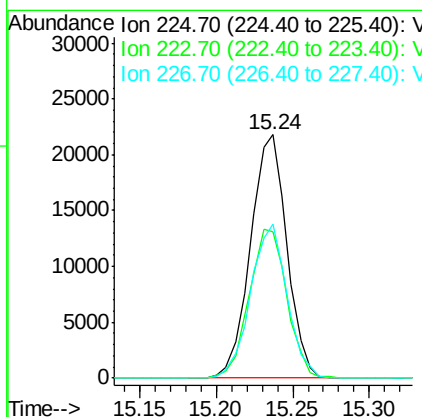
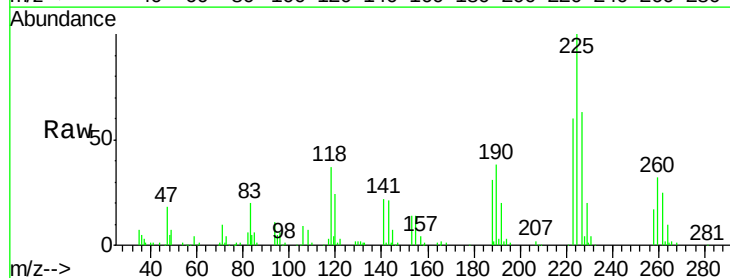
Manual Integrations
 APPROVED

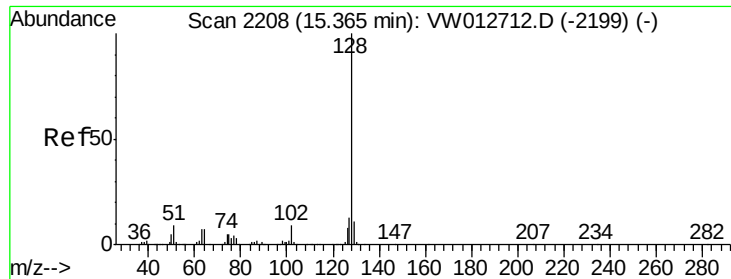
MMDadoda
 9/9/2019 11:24:44 AM



#94
 Hexachlorobutadiene
 Concen: 20.652 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW012788.D
 Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.1	93.3	
227	63.6	31.4	94.2	





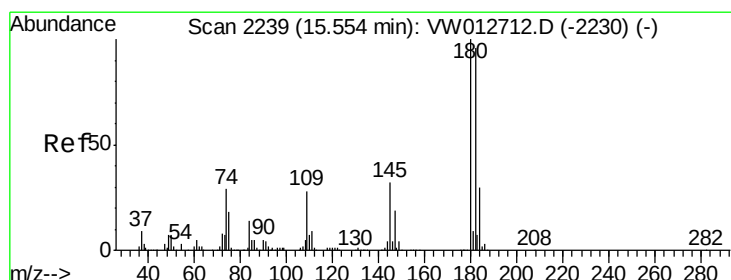
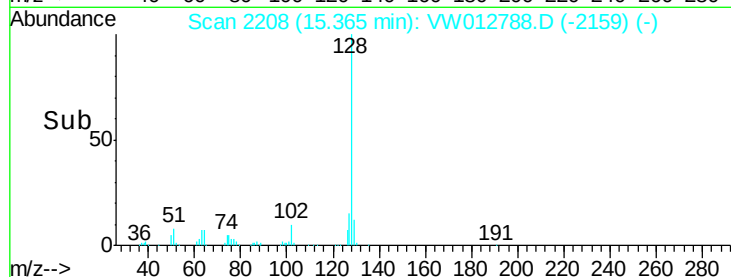
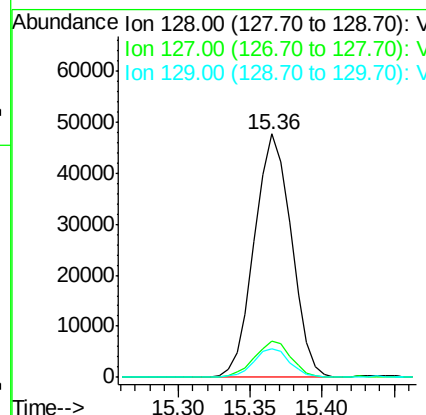
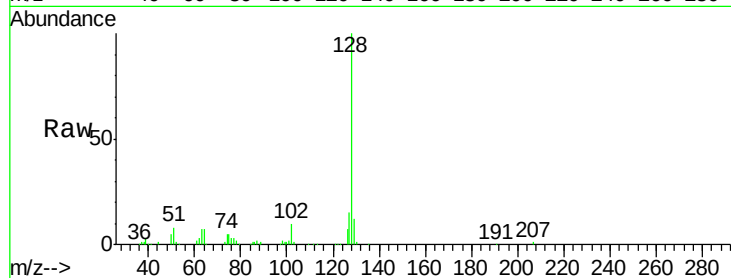
#95
Naphthalene
Concen: 19.063 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	84630		
127	14.7		10.7	16.1
129	11.4		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:24:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.535 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW012788.D
Acq: 08 Sep 2019 23:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	43378		
182	97.9		47.8	143.3
145	31.3		15.4	46.2

