

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081019\
 Data File : VW011782.D
 Acq On : 08 Aug 2019 21:37
 Operator : SY/VA
 Sample : VW0810SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/9/2019 10:55:16 AM

Quant Time: Aug 09 05:51:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	363907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140331	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
35) Dibromofluoromethane	7.88	113	109910	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
50) Toluene-d8	10.32	98	448776	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.62	95	159819	53.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31248	25.719	ug/l	96
3) Chloromethane	2.21	50	50056	23.759	ug/l	100
4) Vinyl Chloride	2.35	62	58950	23.241	ug/l	99
5) Bromomethane	2.73	94	29639	21.111	ug/l	99
6) Chloroethane	2.91	64	32927	22.726	ug/l	99
7) Trichlorofluoromethane	3.25	101	24523	21.633	ug/l	94
8) Diethyl Ether	3.68	74	30526	23.751	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49384	22.965	ug/l	99
10) Methyl Iodide	4.27	142	69512	22.874	ug/l	99
11) Tert butyl alcohol	5.17	59	21487	106.037	ug/l	98
12) 1,1-Dichloroethene	4.04	96	50743	22.349	ug/l	97
13) Acrolein	3.89	56	14481	80.619	ug/l	94
14) Allyl chloride	4.67	41	109688	22.714	ug/l	99
15) Acrylonitrile	5.36	53	76042	118.521	ug/l	98
16) Acetone	4.12	43	69848	87.715	ug/l	97
17) Carbon Disulfide	4.38	76	153640	21.621	ug/l	100
18) Methyl Acetate	4.67	43	45031	25.172	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	84992	23.589	ug/l	100
20) Methylene Chloride	4.92	84	64961	23.654	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	54562	22.290	ug/l	97
22) Diisopropyl ether	6.31	45	216578	23.788	ug/l	99
23) Vinyl Acetate	6.25	43	650438	113.695	ug/l	100
24) 1,1-Dichloroethane	6.21	63	112110	22.992	ug/l	99
25) 2-Butanone	7.17	43	106018	101.745	ug/l	97
26) 2,2-Dichloropropane	7.17	77	57562	19.195	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	62248	23.106	ug/l	98
28) Bromochloromethane	7.51	49	48008	22.181	ug/l #	100
29) Tetrahydrofuran	7.53	42	72062	120.988	ug/l	98
30) Chloroform	7.67	83	104037	23.127	ug/l	98
31) Cyclohexane	7.95	56	103440	22.100	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	79020	23.065	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83003	21.935	ug/l	99
37) Ethyl Acetate	7.25	43	49864	22.905	ug/l	99
38) Carbon Tetrachloride	8.07	117	70667	21.815	ug/l	99

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	92524	22.206	ug/l	99
40) Benzene	8.32	78	238571	22.509	ug/l	99
41) Methacrylonitrile	7.48	41	29471	22.646	ug/l	95
42) 1,2-Dichloroethane	8.40	62	76205	22.964	ug/l	100
43) Isopropyl Acetate	8.42	43	90612	22.632	ug/l	99
44) Trichloroethene	9.09	130	57190	22.450	ug/l	99
45) 1,2-Dichloropropane	9.37	63	63872	22.522	ug/l	100
46) Dibromomethane	9.46	93	29437	22.742	ug/l	99
47) Bromodichloromethane	9.65	83	76629	22.569	ug/l	100
48) Methyl methacrylate	9.43	41	43630	22.686	ug/l	100
49) 1,4-Dioxane	9.45	88	9266	494.399	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	239885	115.190	ug/l	100
52) Toluene	10.38	92	144349	22.552	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	77897	21.962	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	94590	22.430	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	41253	22.462	ug/l	98
56) Ethyl methacrylate	10.65	69	61681	22.952	ug/l	99
57) 1,3-Dichloropropane	10.93	76	80484	23.164	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	153098	125.468	ug/l	99
59) 2-Hexanone	10.97	43	163253	111.027	ug/l	99
60) Dibromochloromethane	11.13	129	45387	22.264	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38901	22.383	ug/l	99
64) Tetrachloroethene	10.86	164	46682	22.162	ug/l	99
65) Chlorobenzene	11.66	112	144140	22.161	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	49230	21.730	ug/l	98
67) Ethyl Benzene	11.73	91	273412	22.072	ug/l	98
68) m/p-Xylenes	11.84	106	198306	44.020	ug/l	99
69) o-Xylene	12.16	106	92881	22.187	ug/l	99
70) Styrene	12.18	104	161763	22.349	ug/l	100
71) Bromoform	12.35	173	25819	22.352	ug/l #	99
73) Isopropylbenzene	12.46	105	259579	22.168	ug/l	99
74) N-amyl acetate	12.27	43	84231	22.977	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	50287	22.831	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	34477m	20.759	ug/l	
77) Bromobenzene	12.74	156	58192	22.484	ug/l	99
78) n-propylbenzene	12.80	91	313412	21.993	ug/l	100
79) 2-Chlorotoluene	12.89	91	182803	22.267	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	220576	22.472	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15562	21.595	ug/l	98
82) 4-Chlorotoluene	12.99	91	192230	22.317	ug/l	100
83) tert-Butylbenzene	13.21	119	184044	22.422	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	223917	22.646	ug/l	99
85) sec-Butylbenzene	13.38	105	262049	22.375	ug/l	100
86) p-Isopropyltoluene	13.50	119	233810	22.003	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	111995	22.069	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	110340	21.857	ug/l	98
89) n-Butylbenzene	13.82	91	230567	21.742	ug/l	99
90) Hexachloroethane	14.09	117	40997	21.818	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	101719	22.663	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8458	22.519	ug/l	99

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Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

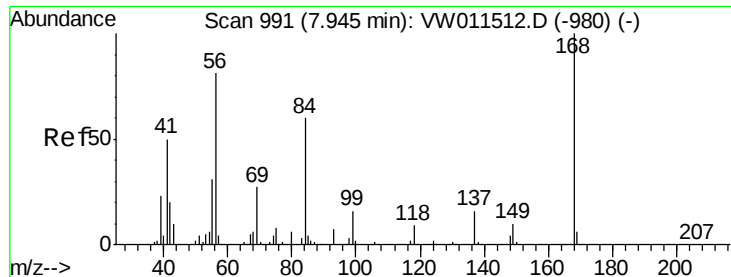
Manual Integrations
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8/9/2019 10:55:16 AM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69754	22.051	ug/l	99
94) Hexachlorobutadiene	15.24	225	44154	22.383	ug/l	97
95) Naphthalene	15.36	128	121189	20.816	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	60193	21.708	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampled :

VW0810SBS01

Tot Ion:168 Resp: 218009

Ion Ratio Lower Upper

168 100

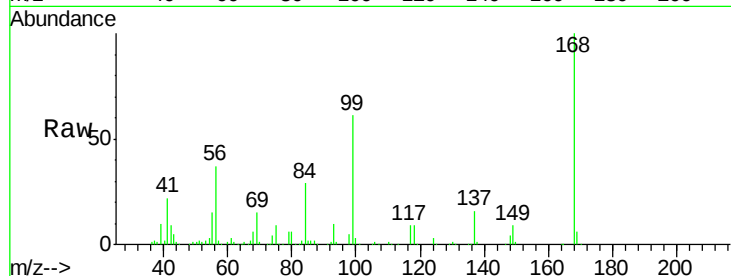
99 60.7 48.2 72.4

Manual Integrations

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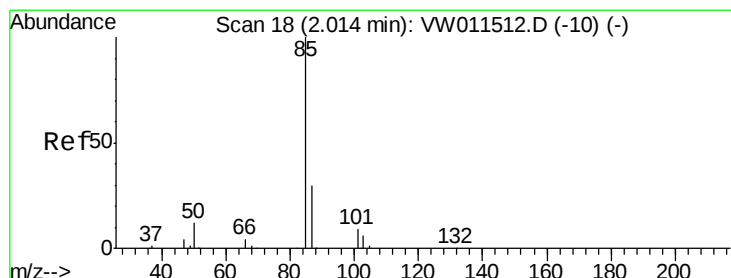
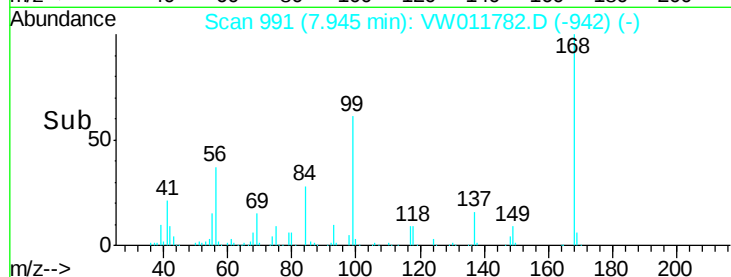
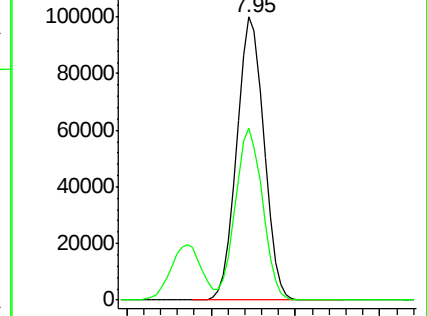
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 25.719 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011782.D

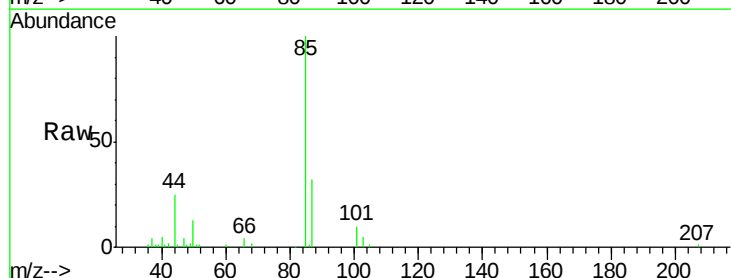
Acq: 08 Aug 2019 21:37

Tgt Ion: 85 Resp: 31248

Ion Ratio Lower Upper

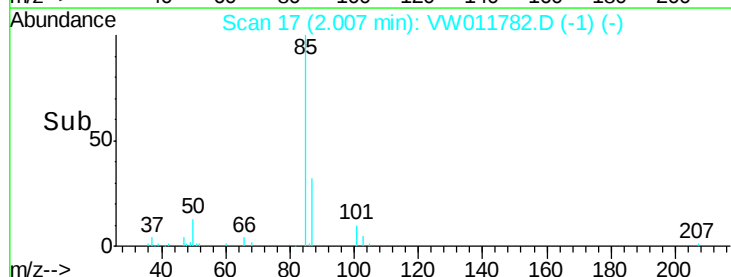
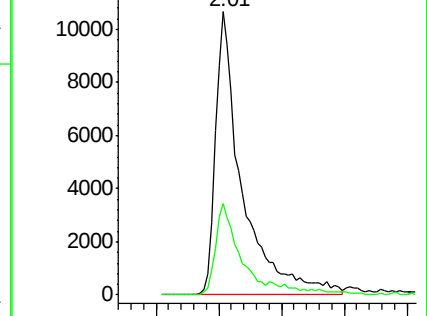
85 100

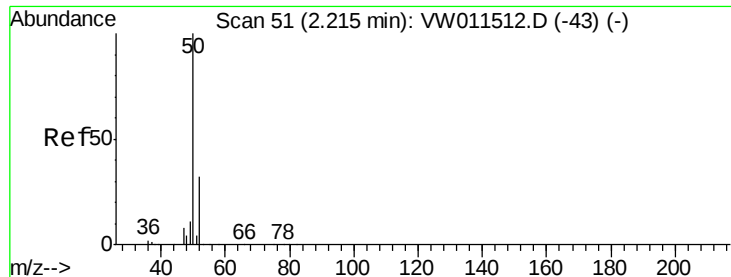
87 32.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 23.759 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

Tot Ion: 50 Resp: 50056

Ion Ratio Lower Upper

50 100

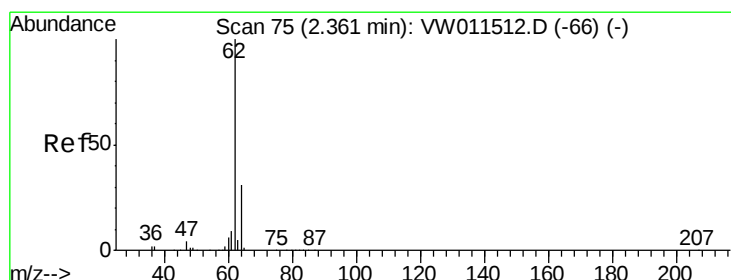
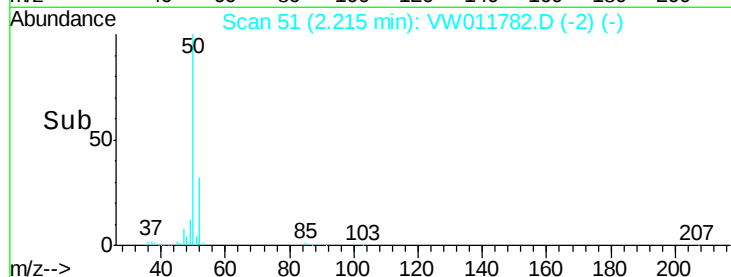
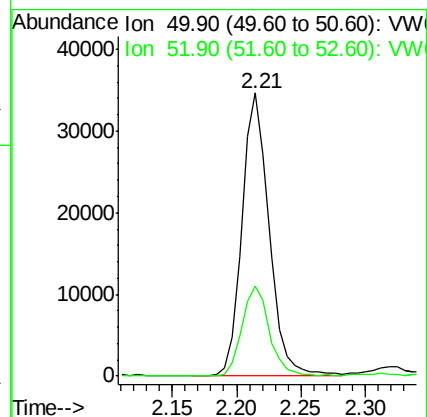
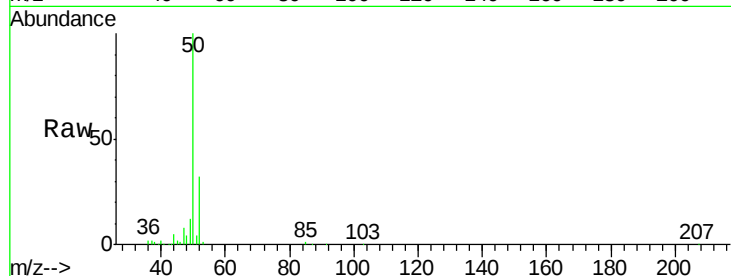
52 32.0 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.241 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011782.D

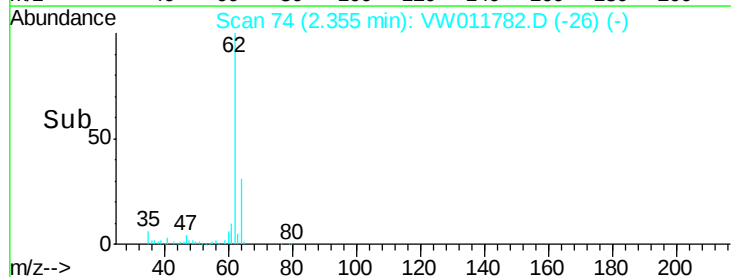
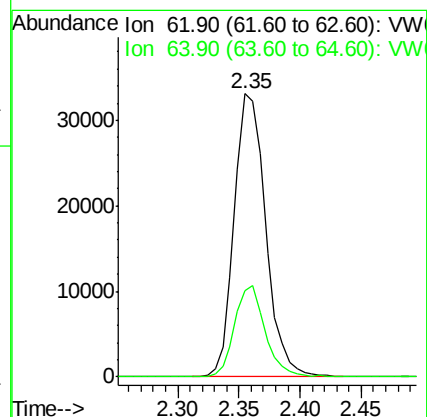
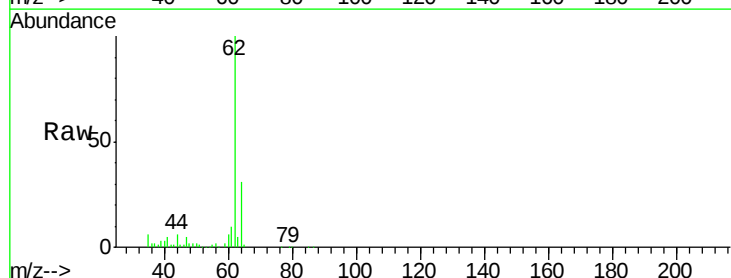
Acq: 08 Aug 2019 21:37

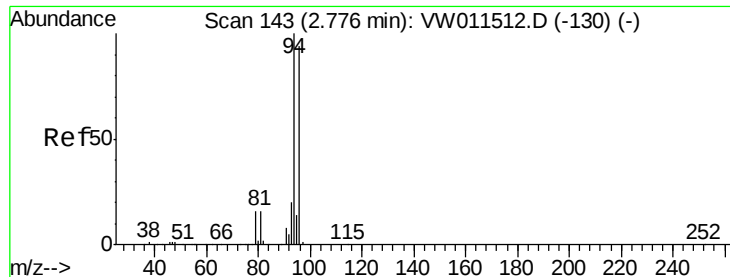
Tgt Ion: 62 Resp: 58950

Ion Ratio Lower Upper

62 100

64 30.5 25.0 37.4





#5

Bromomethane

Concen: 21.111 ug/l

RT: 2.73 min Scan# 136

Delta R.T. -0.04 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

Tot Ion: 94 Resp: 29639

Ion Ratio Lower Upper

94 100

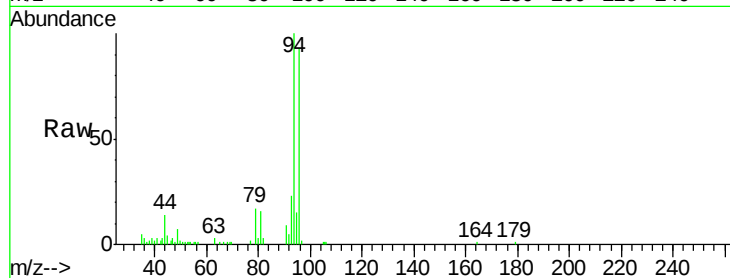
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Manual Integrations

APPROVED

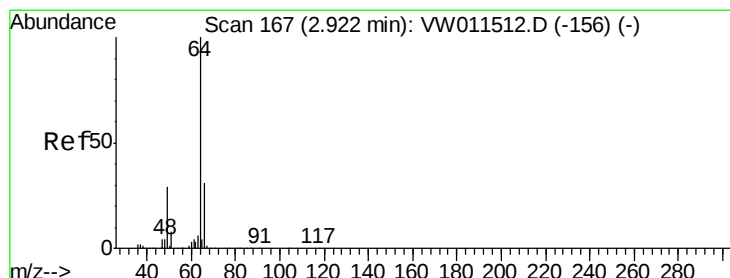
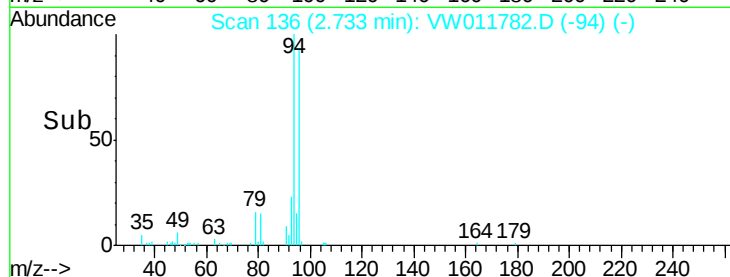
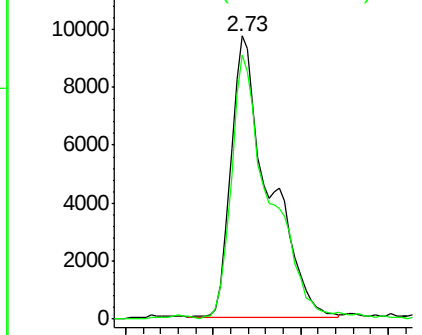
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 22.726 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011782.D

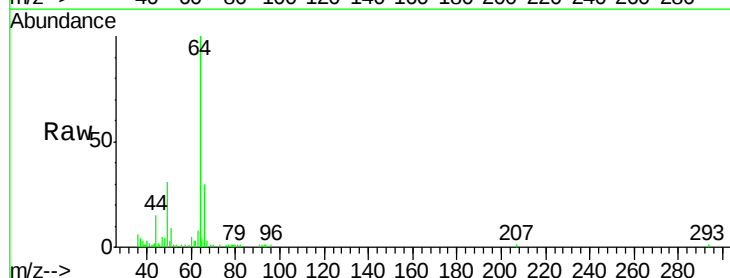
Acq: 08 Aug 2019 21:37

Tgt Ion: 64 Resp: 32927

Ion Ratio Lower Upper

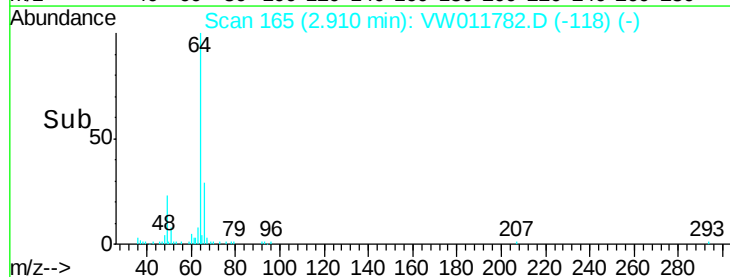
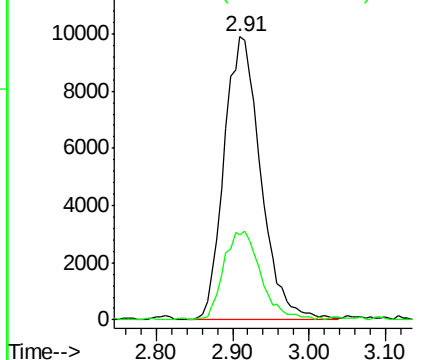
64 100

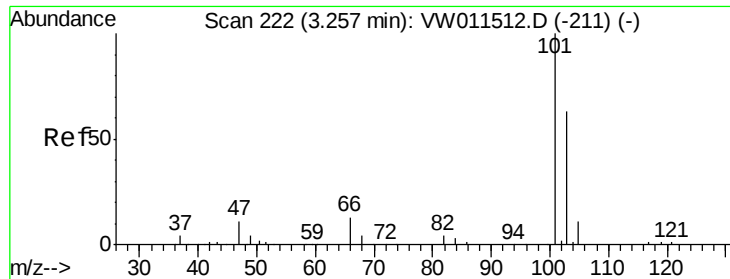
66 30.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

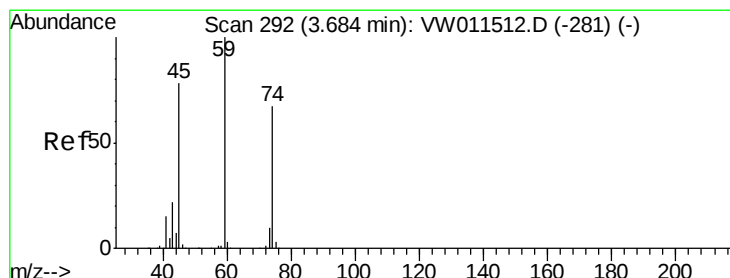
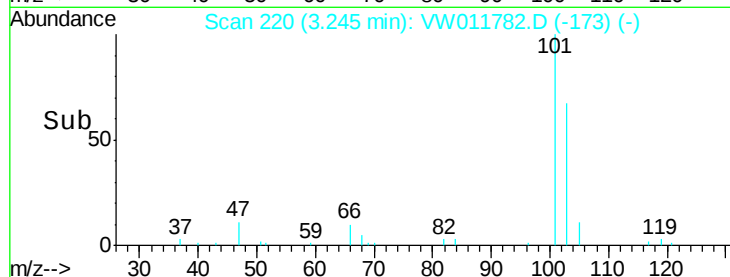
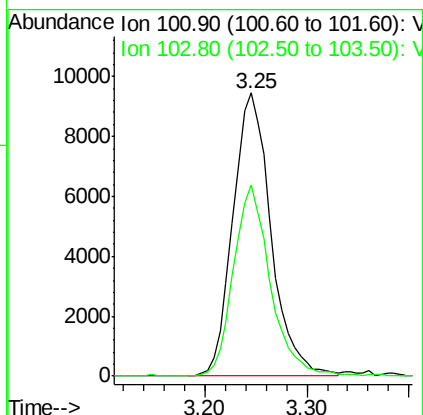
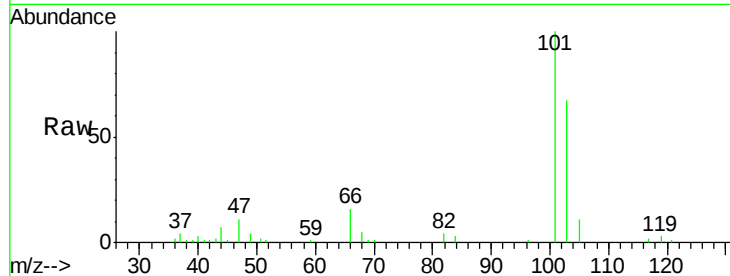
Trichlorofluoromethane
Concen: 21.633 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampled :
VW0810SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	50.2	75.4

Manual Integrations
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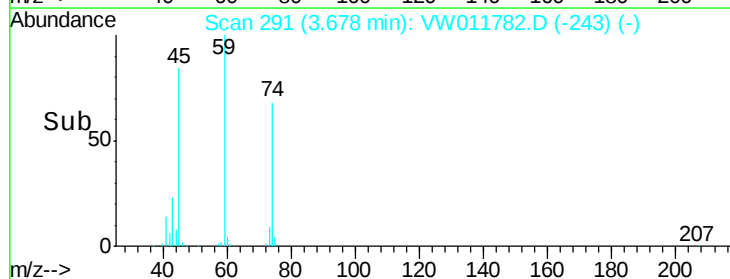
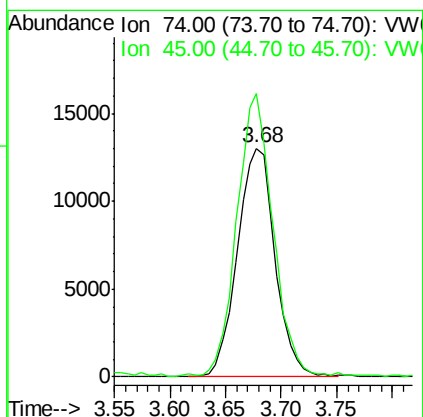
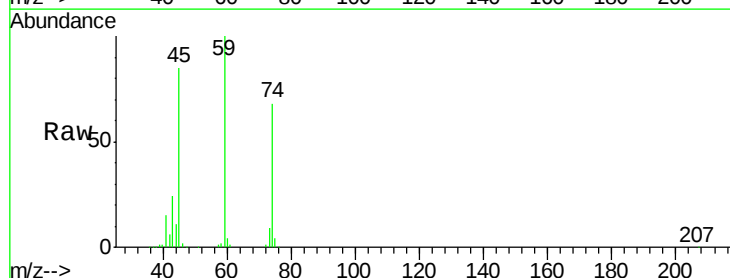
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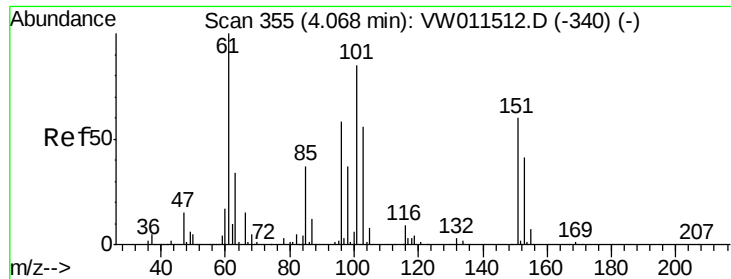


#8

Diethyl Ether
Concen: 23.751 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.5	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.965 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

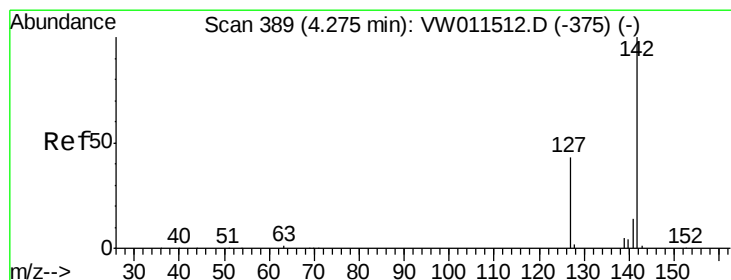
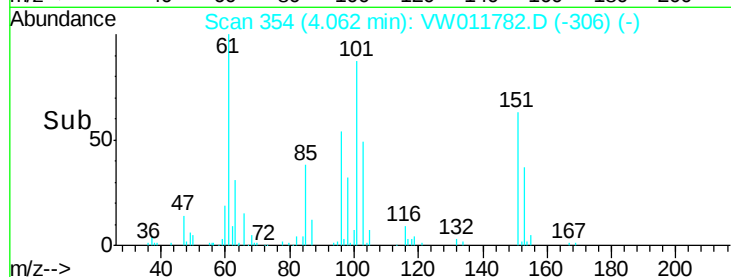
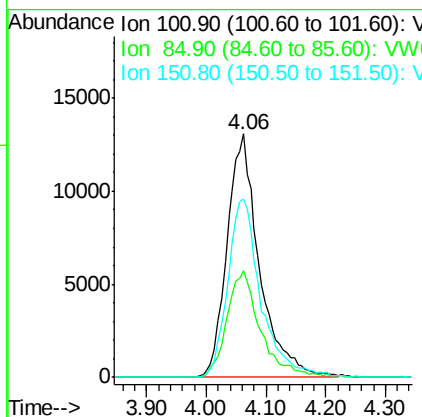
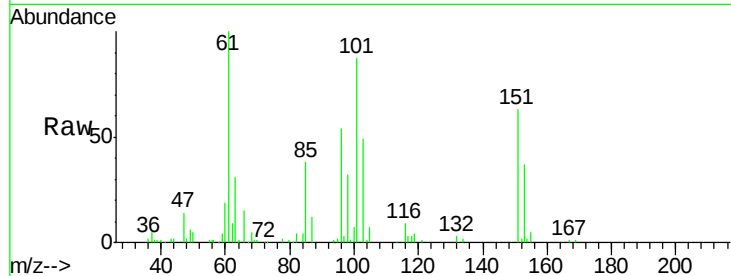
ClientSampled :

VW0810SBS01

Tot Ion:	101	Resp:	49384
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.6	54.8
151	75.0	60.2	90.2

Manual Integrations
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8/9/2019 10:55:16 AM



#10

Methyl Iodide

Concen: 22.874 ug/l

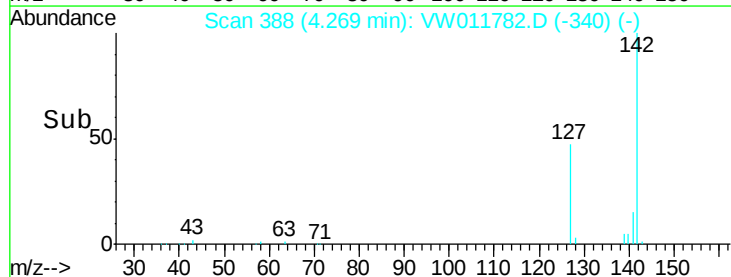
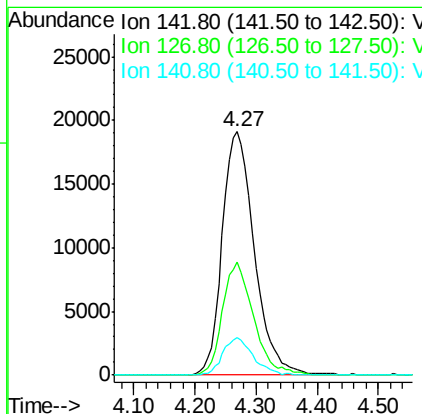
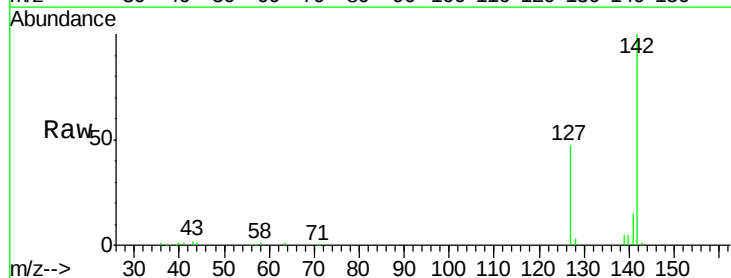
RT: 4.27 min Scan# 388

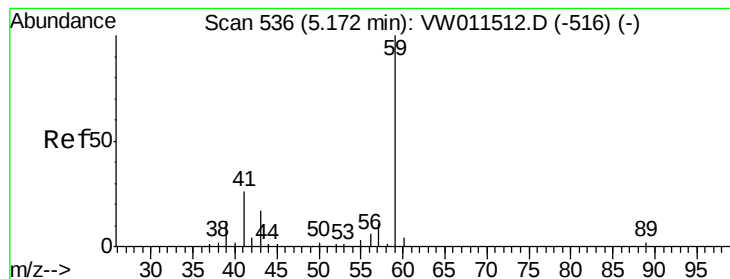
Delta R.T. -0.01 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Tgt Ion:	142	Resp:	69512
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.0	52.6
141	14.4	11.9	17.9





#11

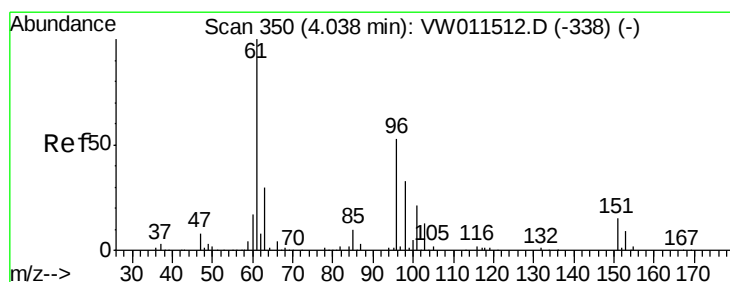
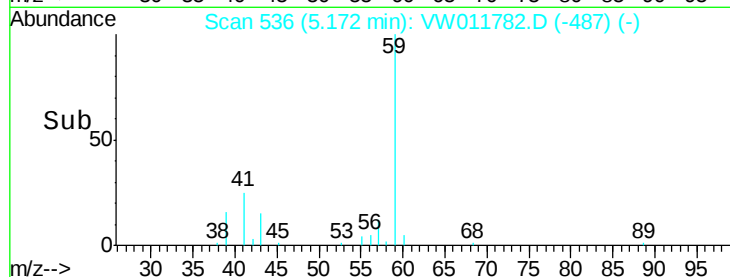
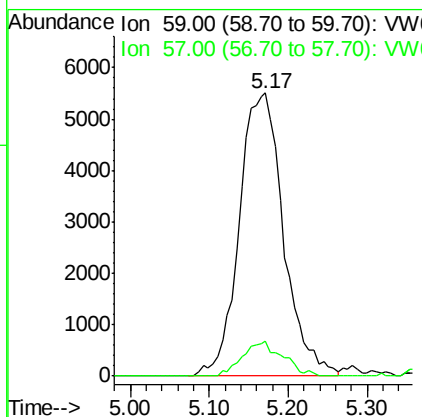
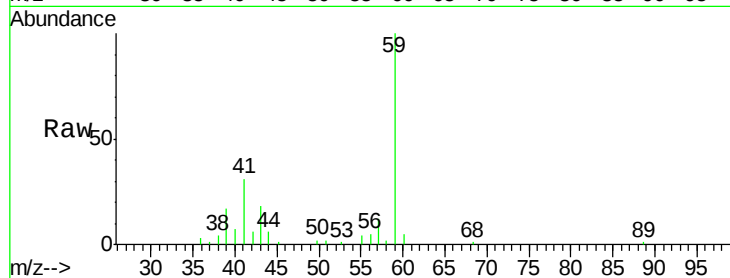
Tert butyl alcohol
 Concen: 106.037 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Instrument :
 MSVOA_W
 ClientSampled :
 VW0810SBS01

Tot Ion	59	57	Ratio	100	11.2	Resp	21487	Lower	8.5	Upper	12.7
Ion	59	57	Ratio	100	11.2	Resp	21487	Lower	8.5	Upper	12.7

Manual Integrations
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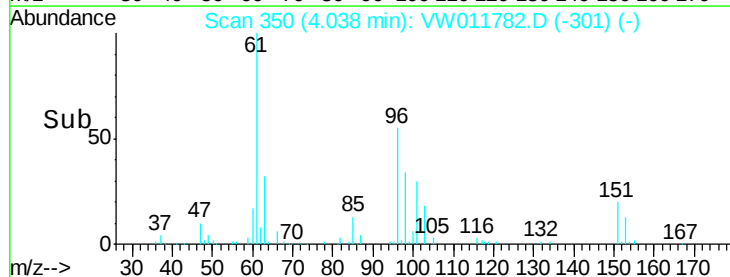
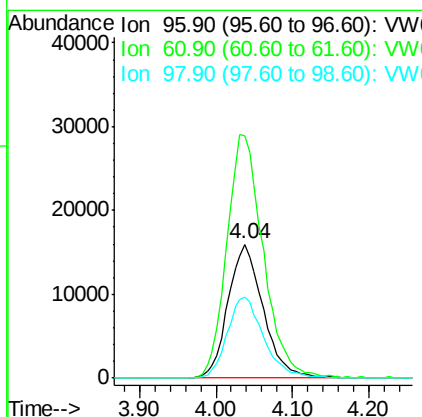
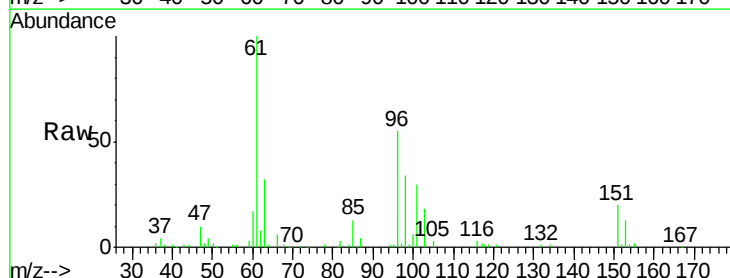
MMDadoda
 8/9/2019 10:55:16 AM

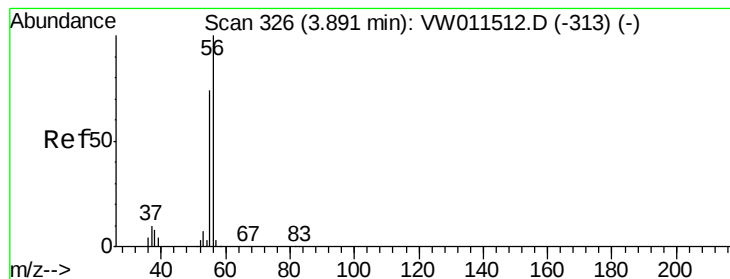


#12

1,1-Dichloroethene
 Concen: 22.349 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion	96	61	98	Ratio	100	181.1	61.0	Resp	50743	Lower	149.9	Upper	224.9	73.7
Ion	96	61	98	Ratio	100	181.1	61.0	Resp	50743	Lower	149.9	Upper	224.9	73.7





#13

Acrolein

Concen: 80.619 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

Tot Ion: 56 Resp: 14481

Ion Ratio Lower Upper

56 100

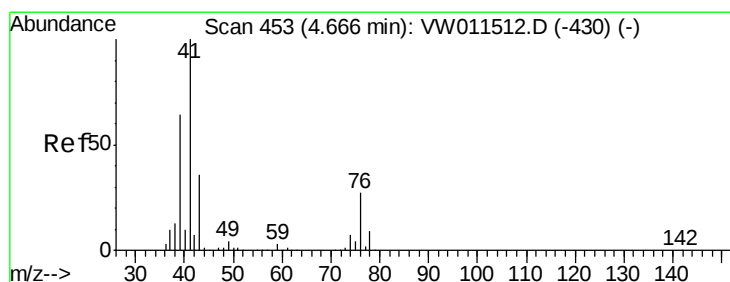
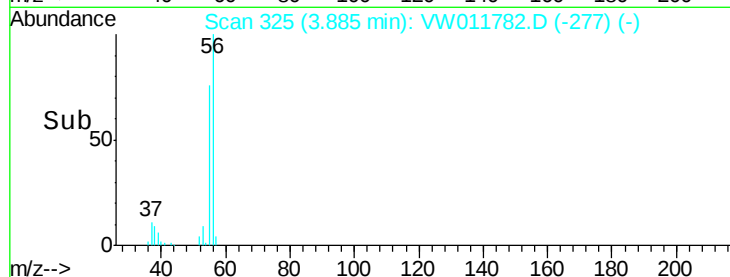
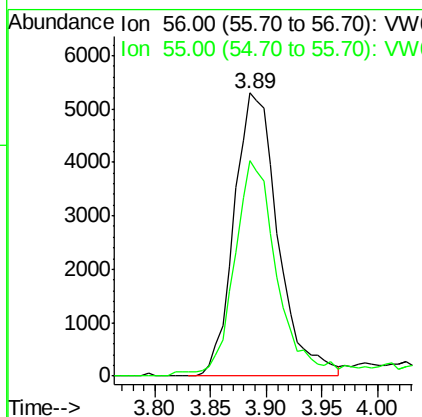
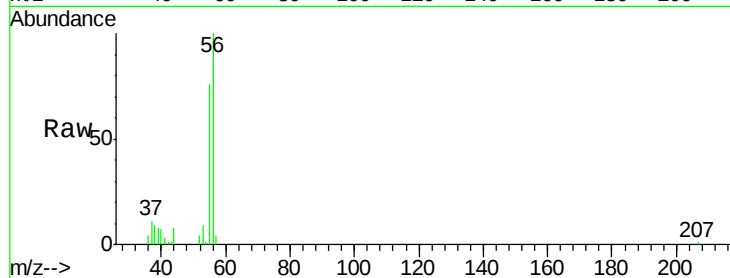
55 75.3 56.0 84.0

Manual Integrations

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MMDadoda

8/9/2019 10:55:16 AM



#14

Allyl chloride

Concen: 22.714 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

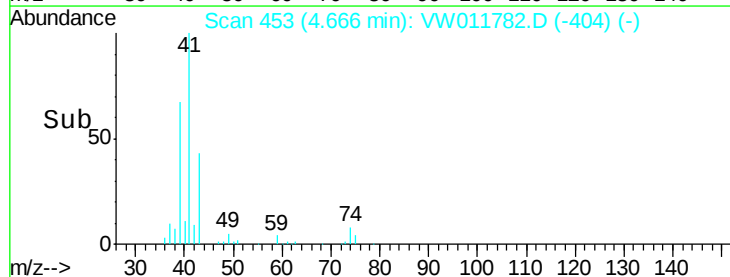
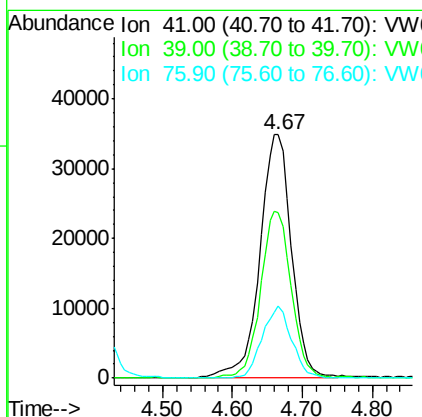
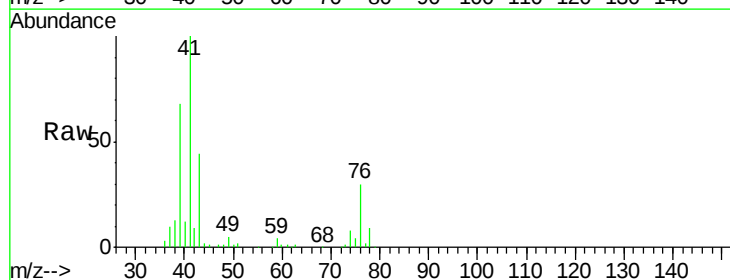
Tgt Ion: 41 Resp: 109688

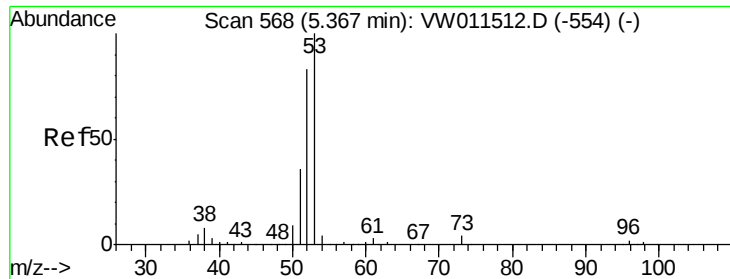
Ion Ratio Lower Upper

41 100

39 66.4 52.6 78.8

76 27.4 22.0 33.0





#15

Acrylonitrile

Concen: 118.521 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

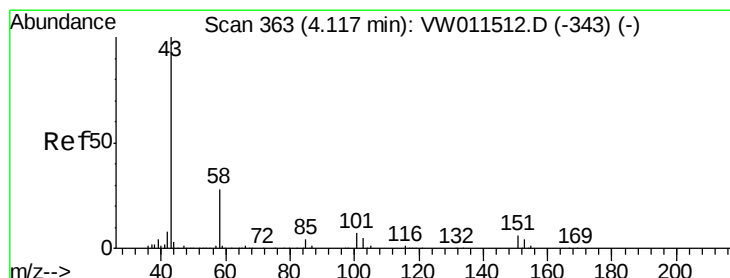
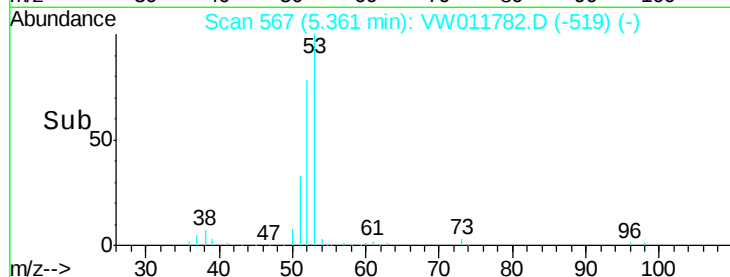
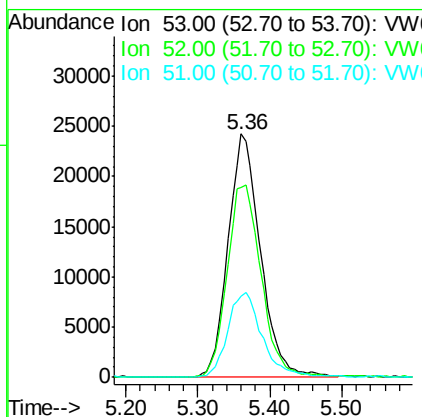
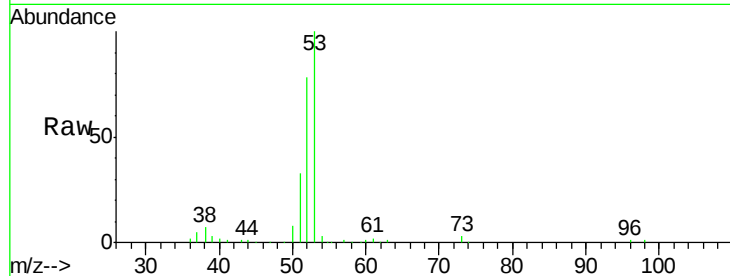
ClientSampleId :

VW0810SBS01

Tot Ion:	53	Resp:	76042
Ion	Ratio	Lower	Upper
53	100		
52	82.1	67.2	100.8
51	36.7	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 87.715 ug/l

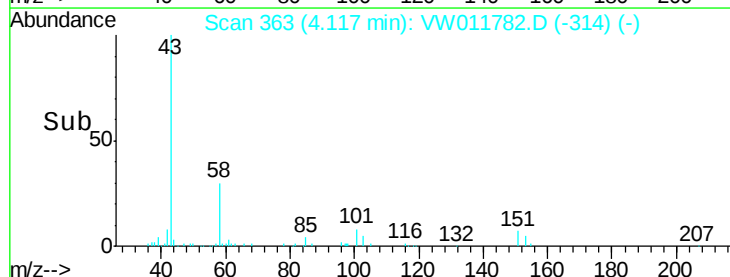
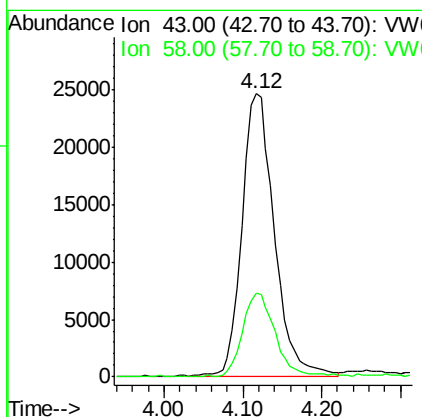
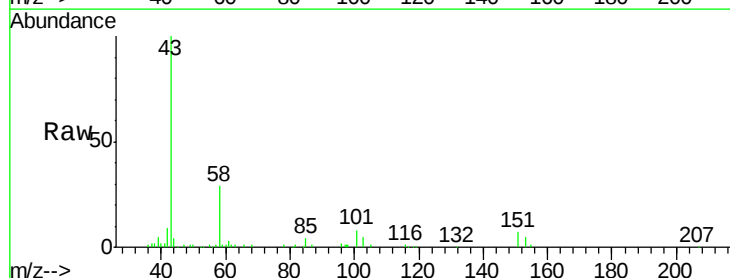
RT: 4.12 min Scan# 363

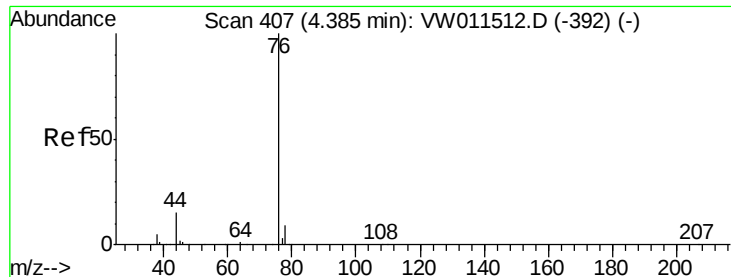
Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Tgt Ion:	43	Resp:	69848
Ion	Ratio	Lower	Upper
43	100		
58	29.5	22.3	33.5





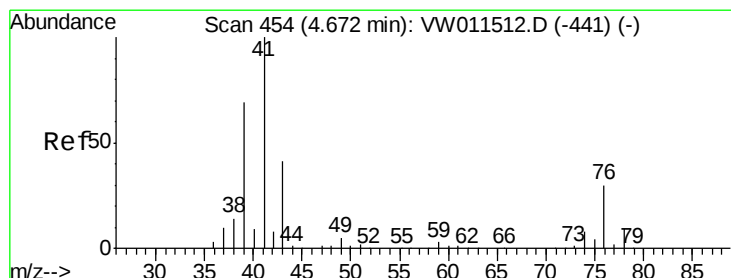
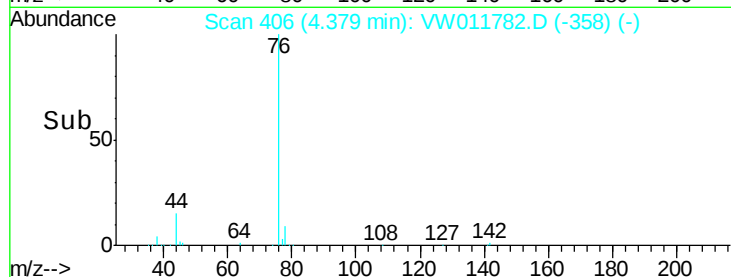
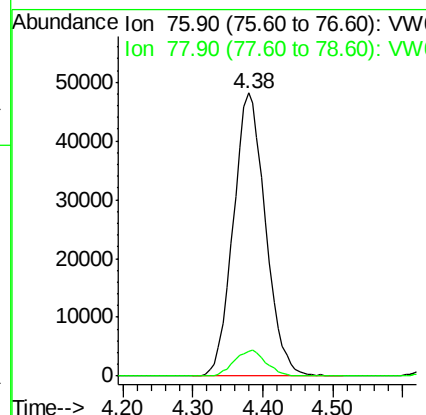
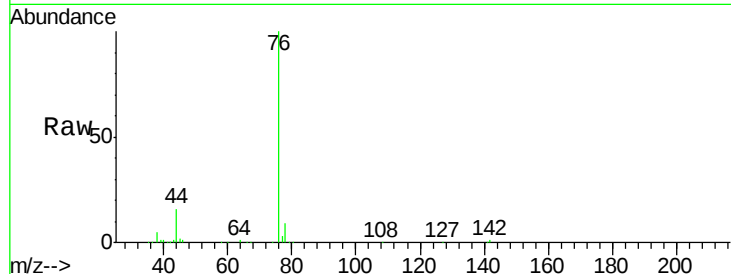
#17
Carbon Disulfide
Concen: 21.621 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

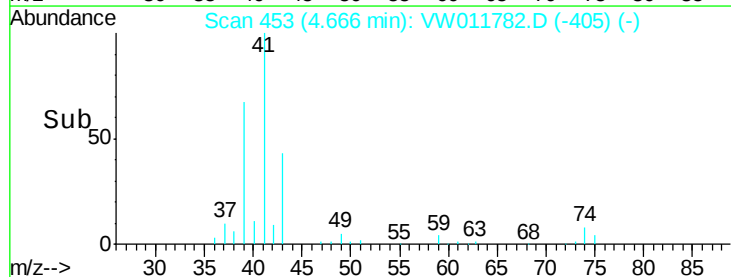
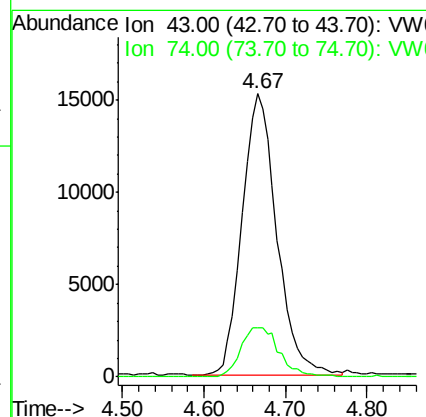
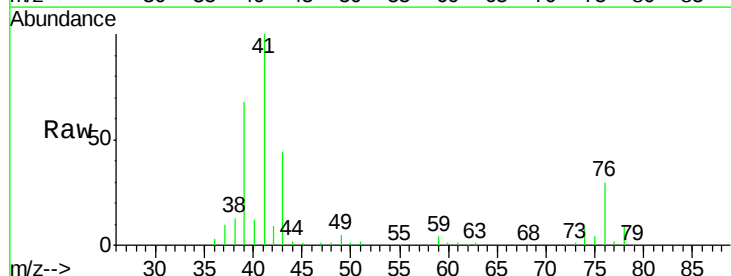
Manual Integrations
APPROVED

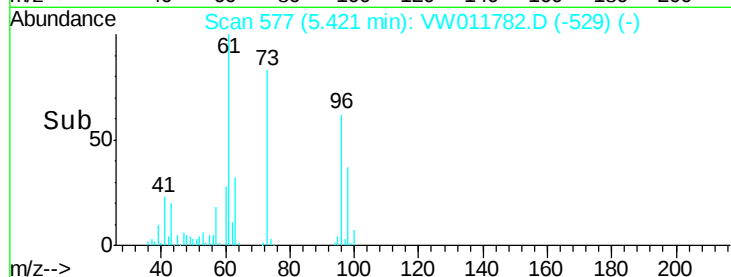
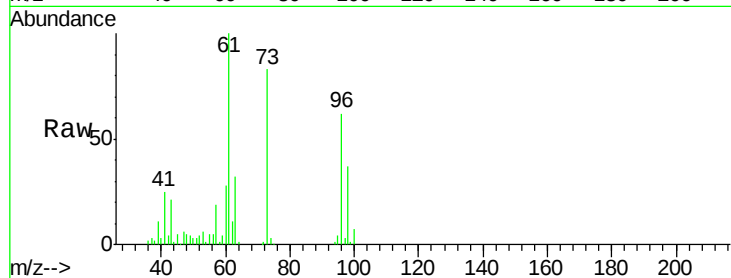
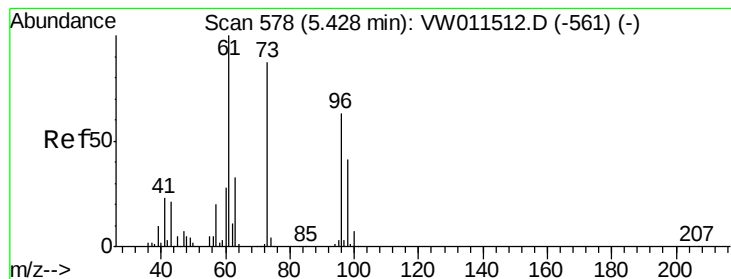
MMDadoda
8/9/2019 10:55:16 AM



#18
Methyl Acetate
Concen: 25.172 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.9	23.9





#19

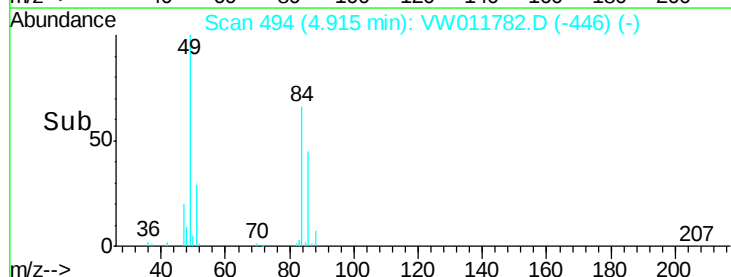
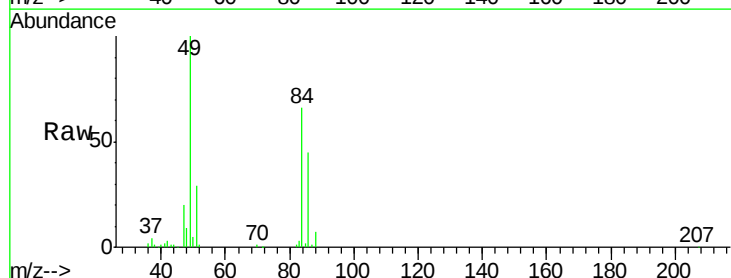
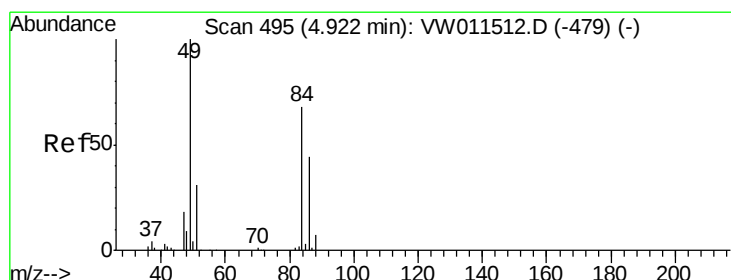
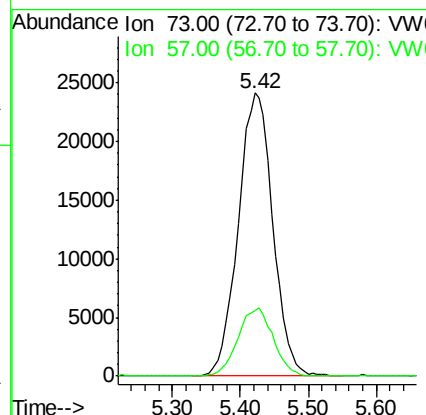
Methyl tert-butyl Ether
Concen: 23.589 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.4	27.6

Instrument :
MSVOA_W
ClientSampled :
VW0810SBS01

Manual Integrations
APPROVED

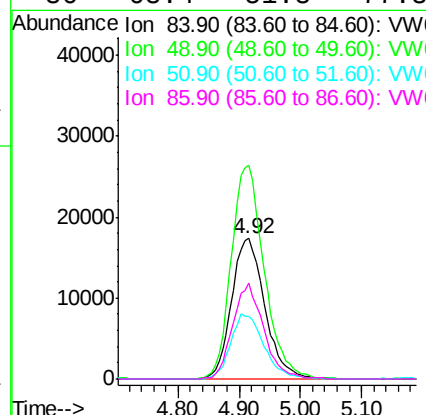
MMDadoda
8/9/2019 10:55:16 AM

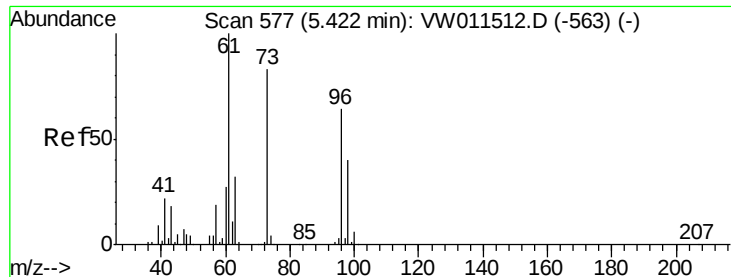


#20

Methylene Chloride
Concen: 23.654 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.0	117.8	176.6
51	44.6	37.0	55.4
86	68.4	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 22.290 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

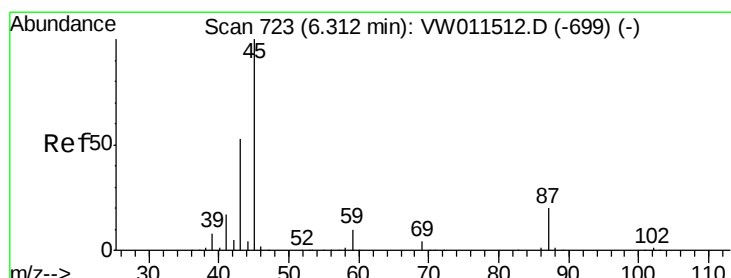
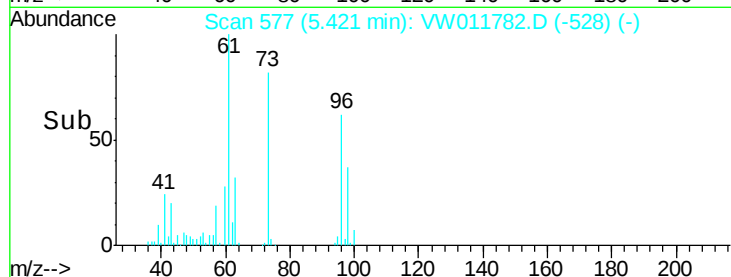
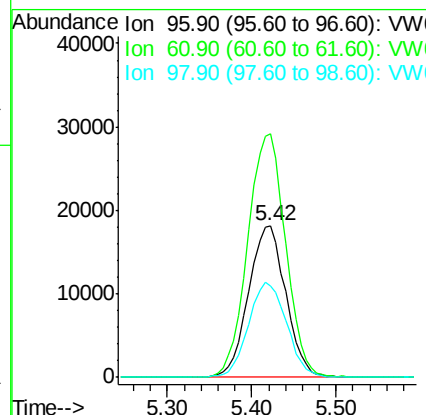
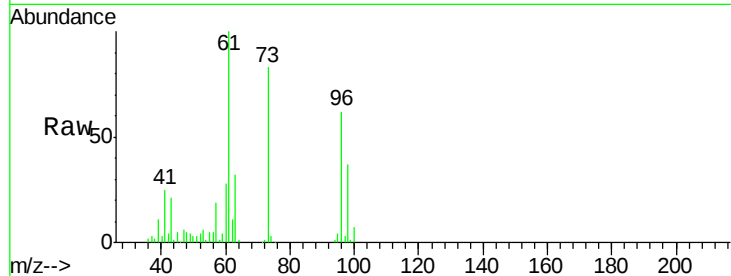
ClientSampleId :

VW0810SBS01

Tot Ion:	96	Resp:	54562
Ion	Ratio	Lower	Upper
96	100		
61	160.3	125.7	188.5
98	60.0	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.788 ug/l

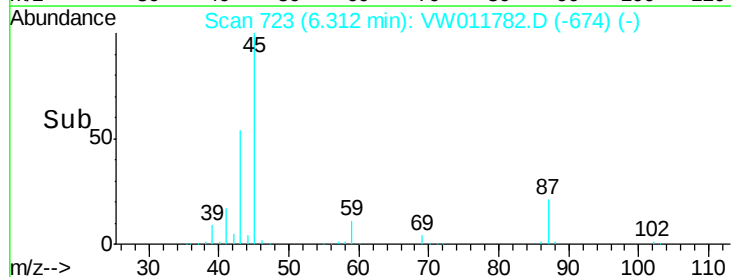
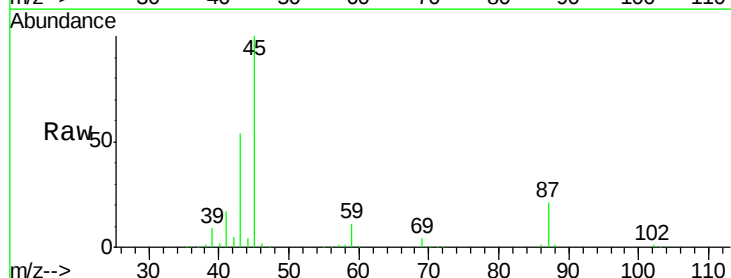
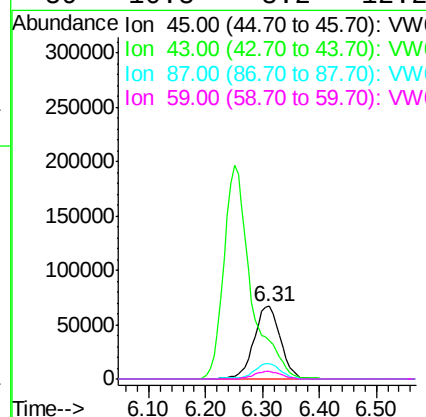
RT: 6.31 min Scan# 723

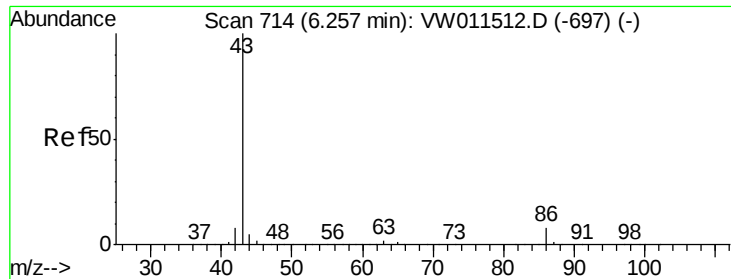
Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Tgt Ion:	45	Resp:	216578
Ion	Ratio	Lower	Upper
45	100		
43	53.9	42.6	63.8
87	21.0	16.4	24.6
59	10.8	8.2	12.2





#23

Vinyl Acetate

Concen: 113.695 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampled :

VW0810SBS01

Tot Ion: 43 Resp: 650438

Ion Ratio Lower Upper

43 100

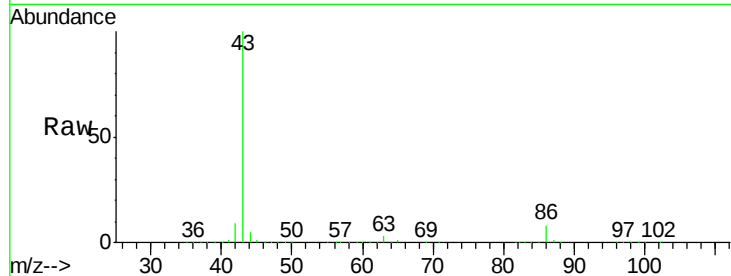
86 8.1 6.5 9.7

Manual Integrations

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MMDadoda

8/9/2019 10:55:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

200000

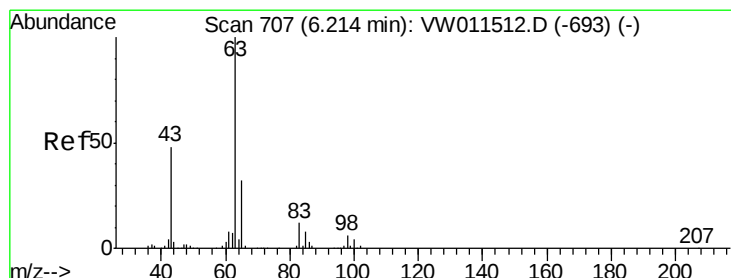
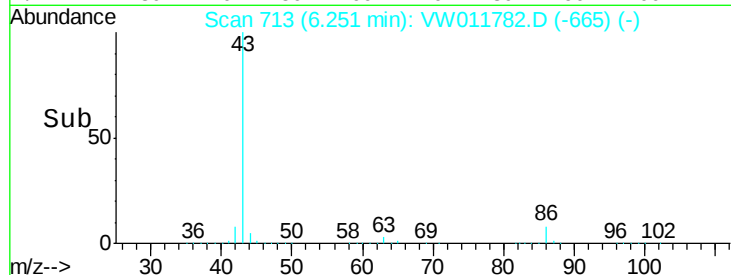
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 22.992 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

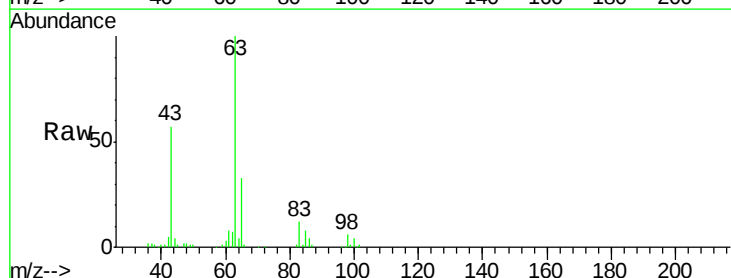
Tgt Ion: 63 Resp: 112110

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

50000

40000

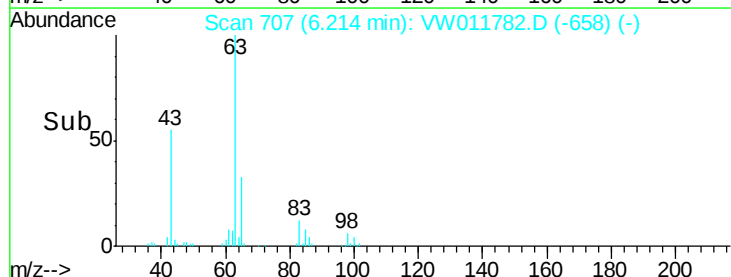
30000

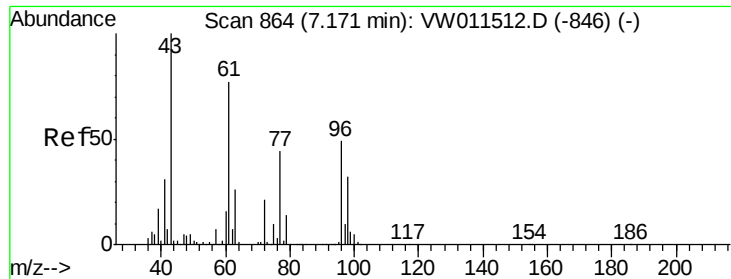
20000

10000

0

Time-->





#25

2-Butanone

Concen: 101.745 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampled :

VW0810SBS01

Tot Ion: 43 Resp: 106018

Ion Ratio Lower Upper

43 100

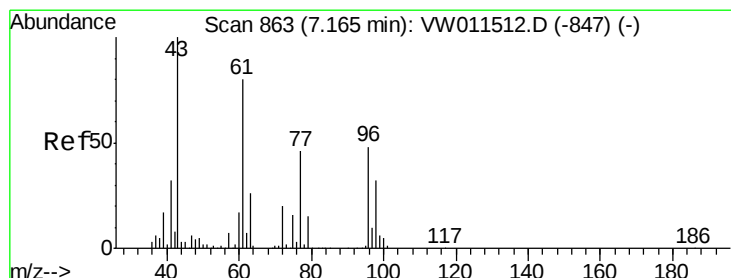
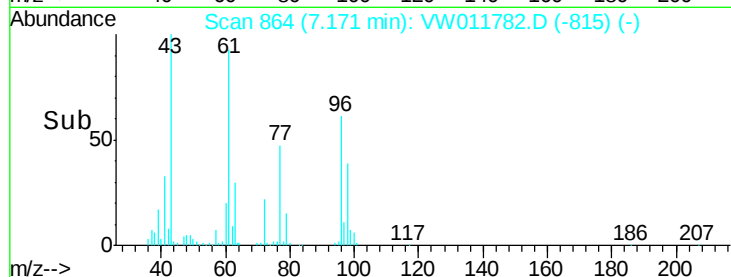
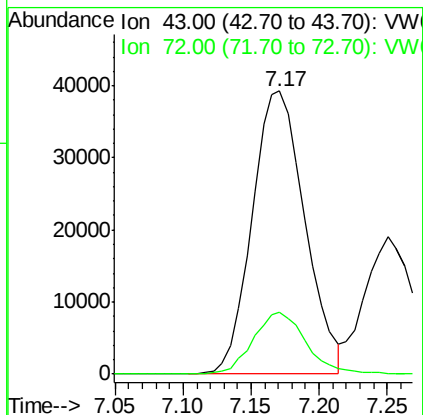
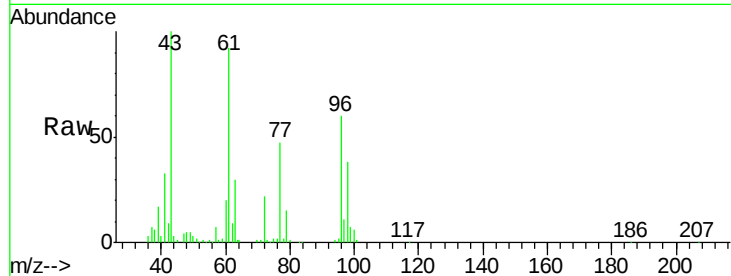
72 22.0 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.195 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011782.D

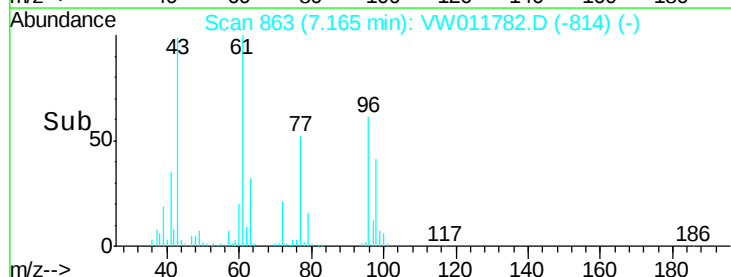
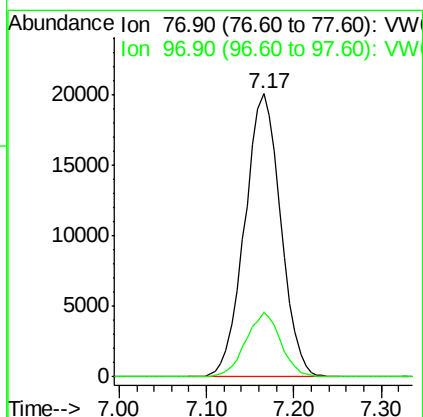
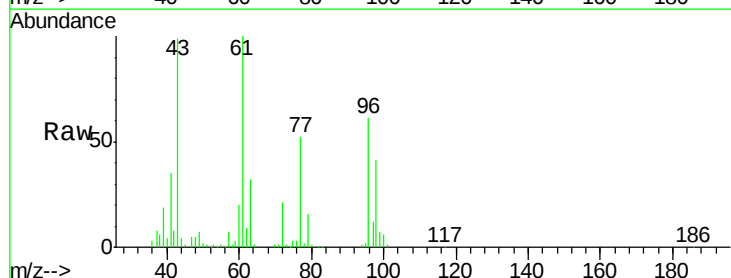
Acq: 08 Aug 2019 21:37

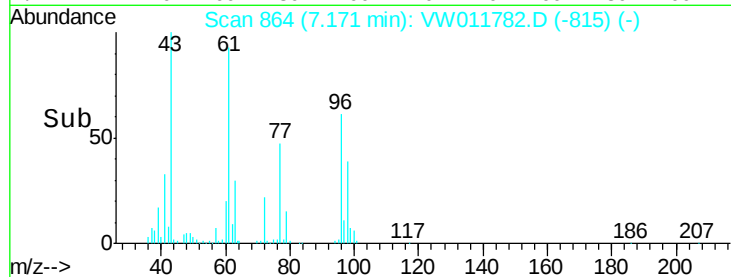
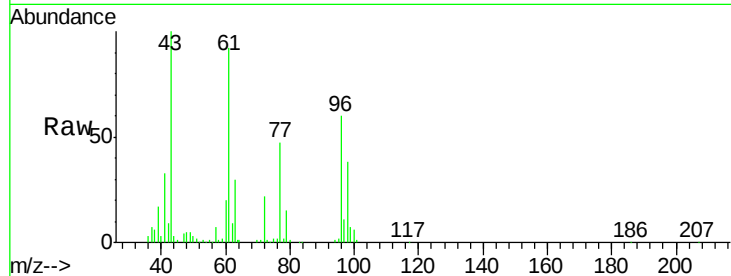
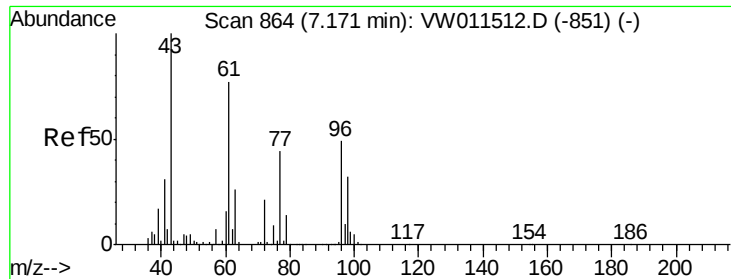
Tgt Ion: 77 Resp: 57562

Ion Ratio Lower Upper

77 100

97 21.9 10.8 32.4





#27

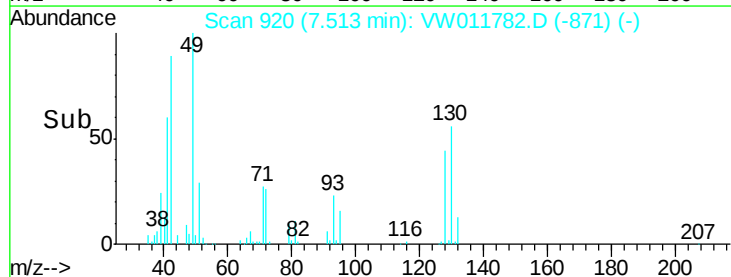
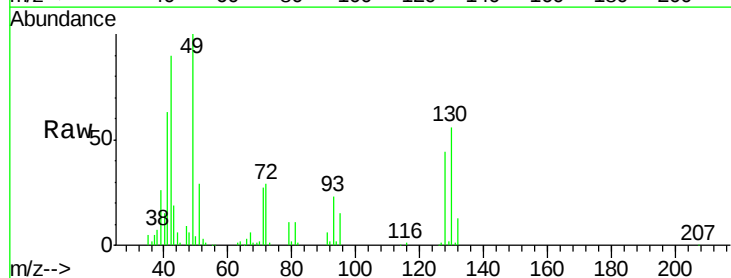
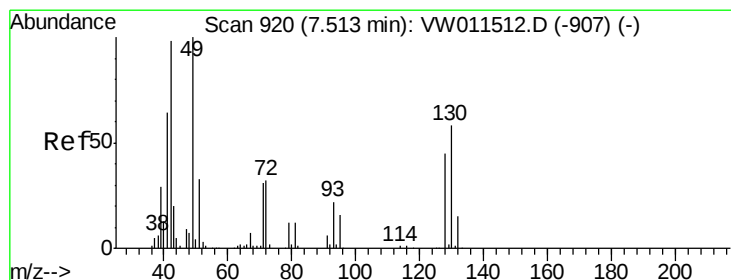
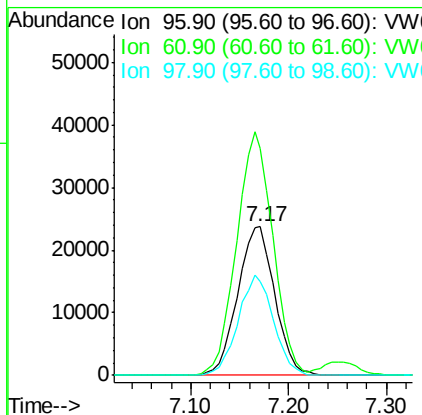
cis-1,2-Dichloroethene
Concen: 23.106 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tot Ion	Ratio	Resp	Lower	Upper
96	100	62248		
61	161.1		0.0	328.4
98	64.6		0.0	128.8

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

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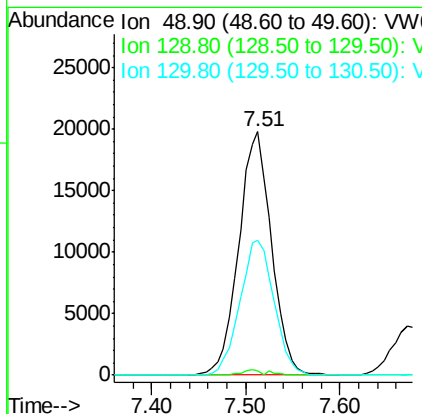
MMDadoda
8/9/2019 10:55:16 AM

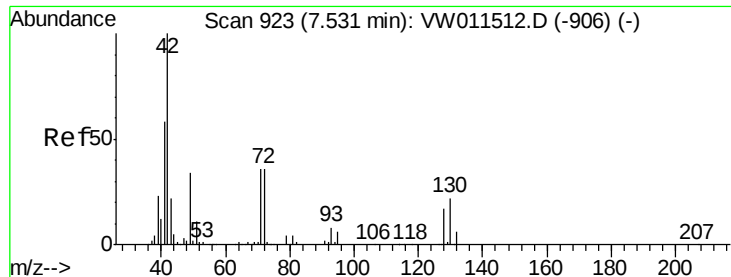


#28

Bromochloromethane
Concen: 22.181 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48008		
129	1.1		0.0	1.0#
130	57.7		46.3	69.5





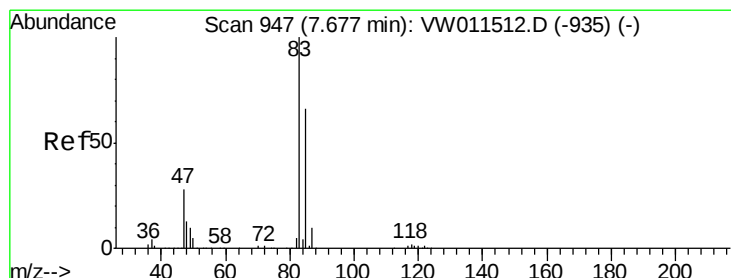
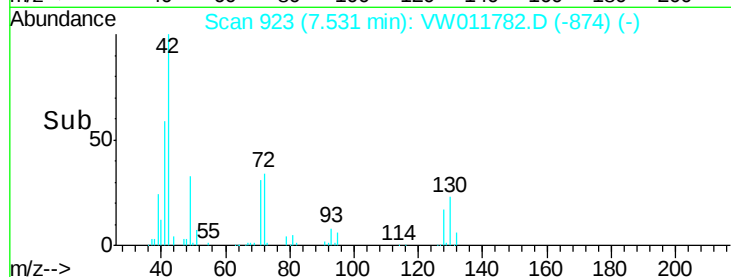
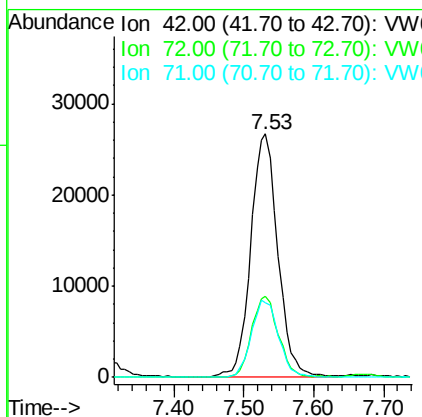
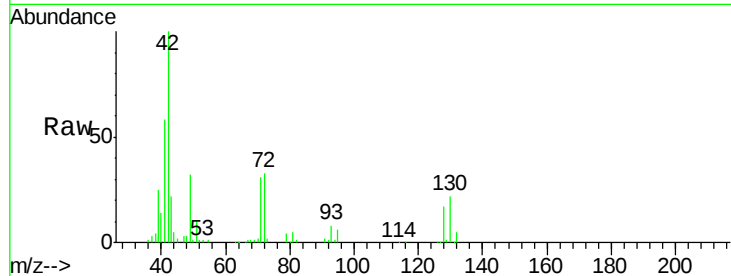
#29
Tetrahydrofuran
Concen: 120.988 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tot Ion:	42	Resp:	72062
Ion	Ratio	Lower	Upper
42	100		
72	32.9	27.1	40.7
71	31.7	26.2	39.4

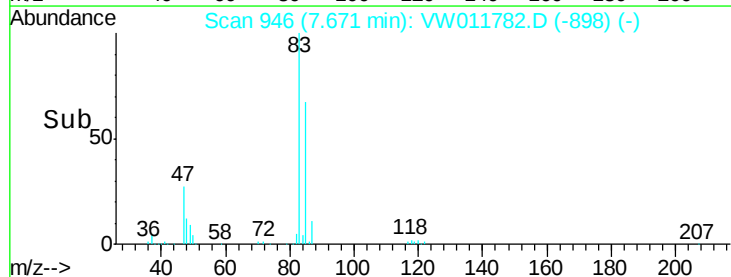
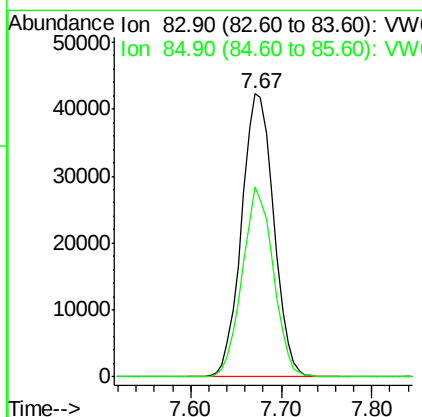
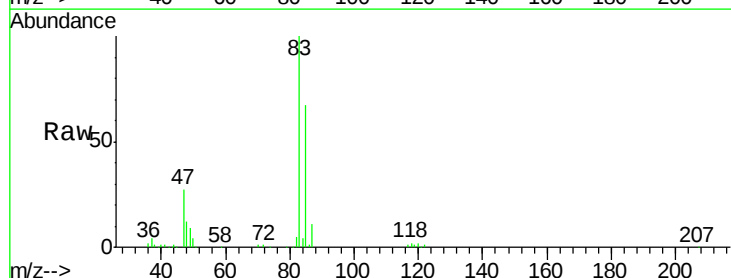
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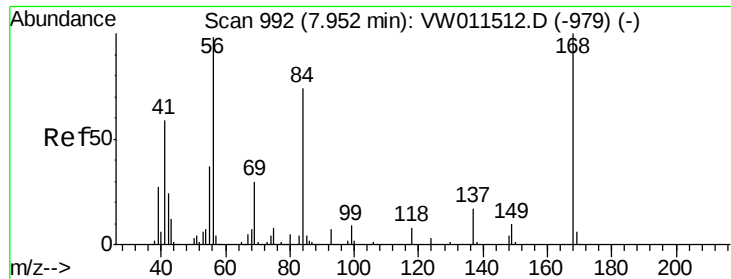
MMDadoda
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#30
Chloroform
Concen: 23.127 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion:	83	Resp:	104037
Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.5	78.7





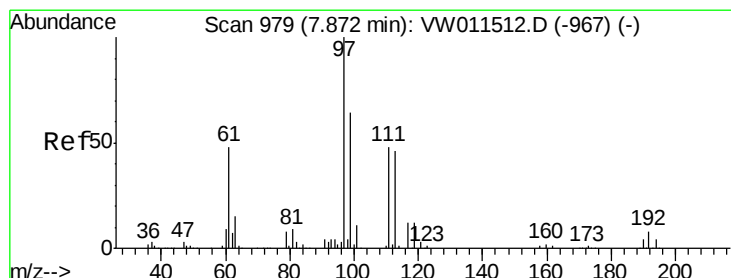
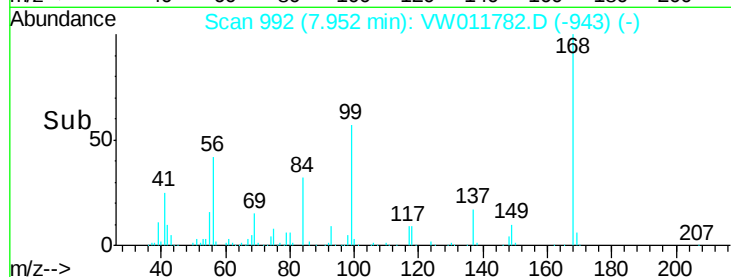
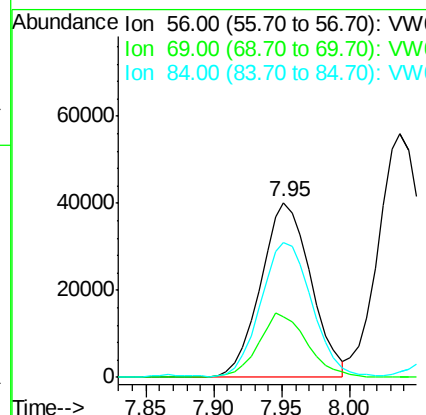
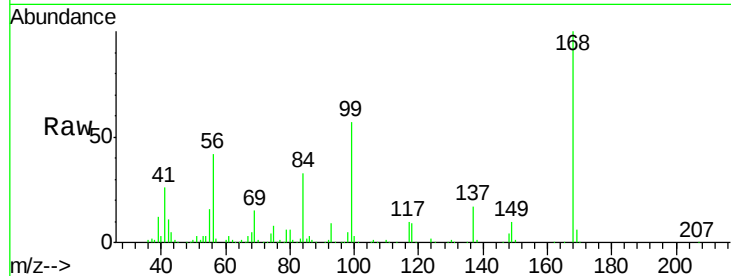
#31
Cyclohexane
Concen: 22.100 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	24.3	36.5
84	76.3	60.4	90.6

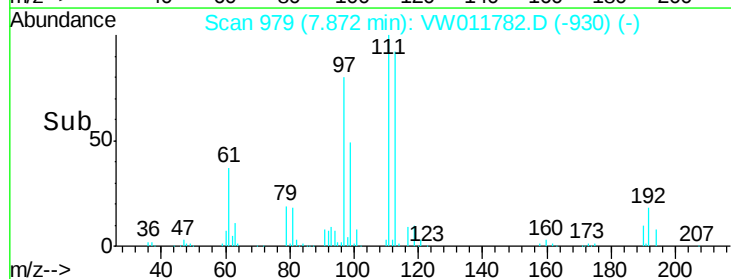
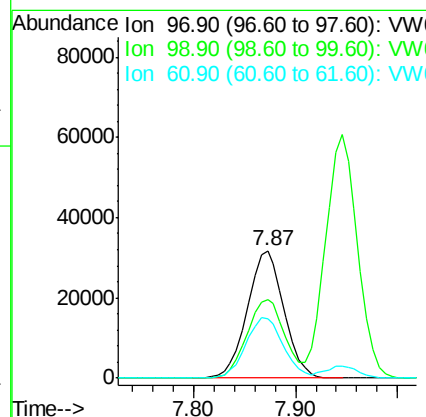
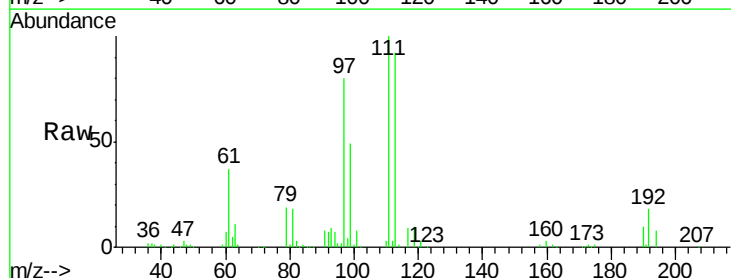
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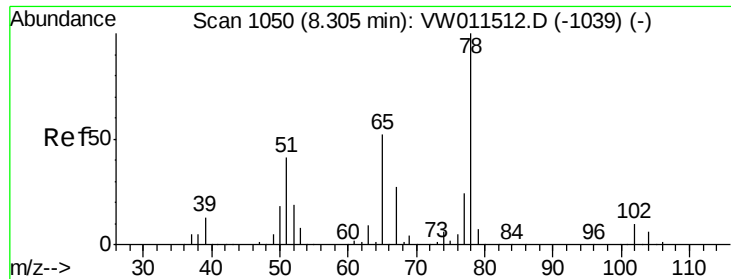
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#32
1,1,1-Trichloroethane
Concen: 23.065 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.0	76.6
61	48.9	39.8	59.6





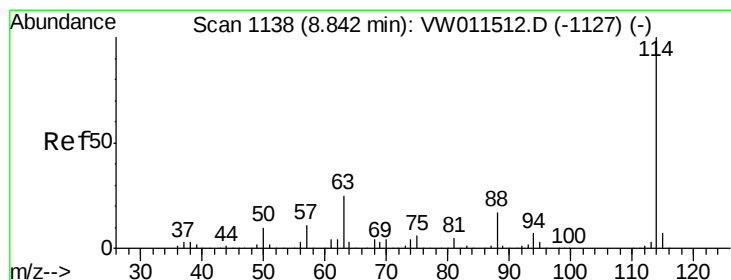
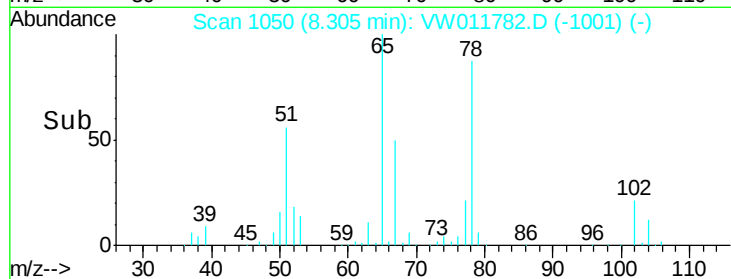
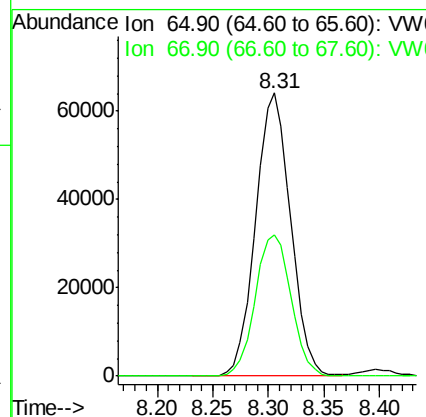
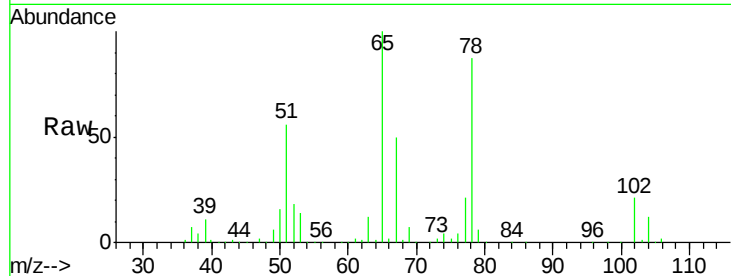
#33
 1,2-Dichloroethane-d4
 Concen: 56.057 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140331		
67	51.2	0.0	105.2	

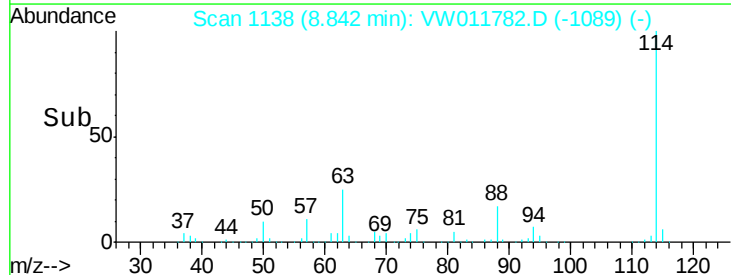
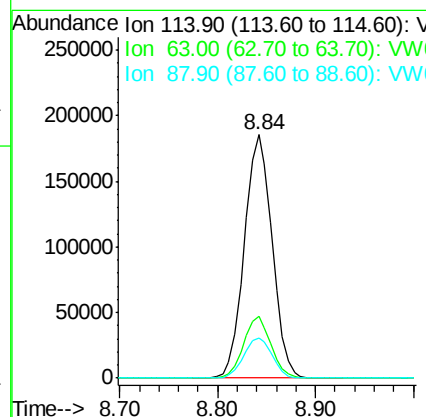
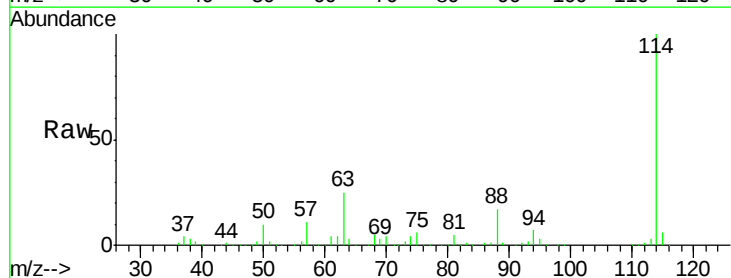
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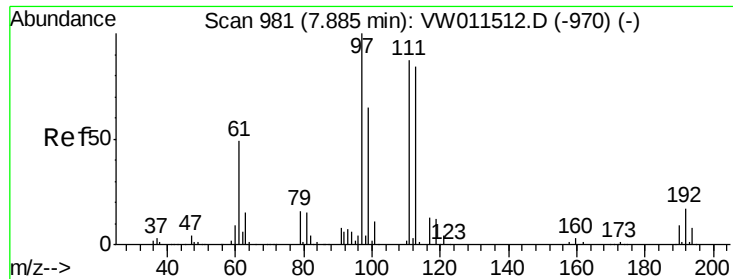
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 8/9/2019 10:55:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	363907		
63	25.4	0.0	49.2	
88	16.7	0.0	33.8	





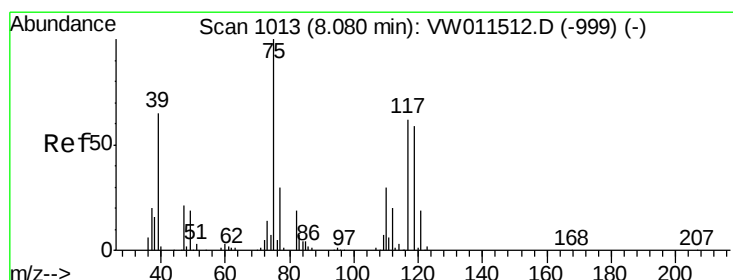
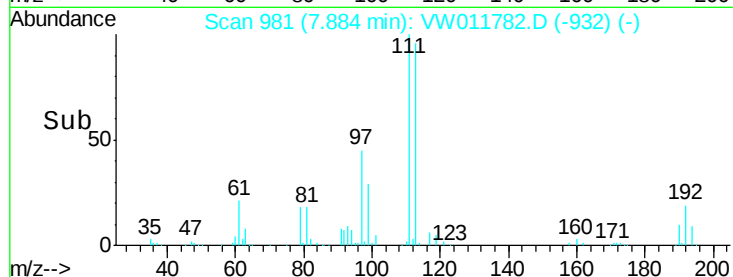
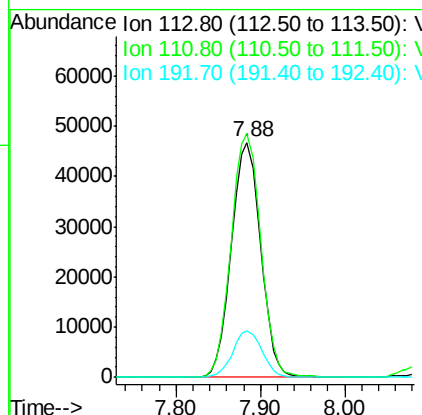
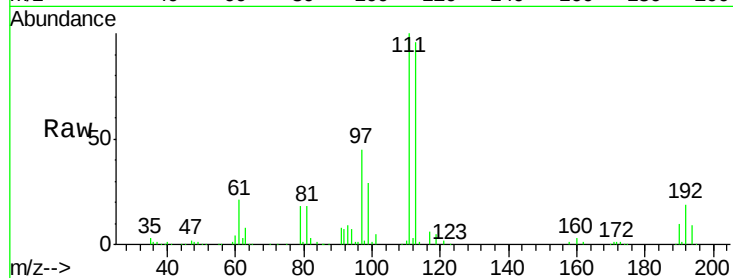
#35
 Dibromofluoromethane
 Concen: 53.836 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109910		
111	104.9	82.7	124.1	
192	19.8	16.1	24.1	

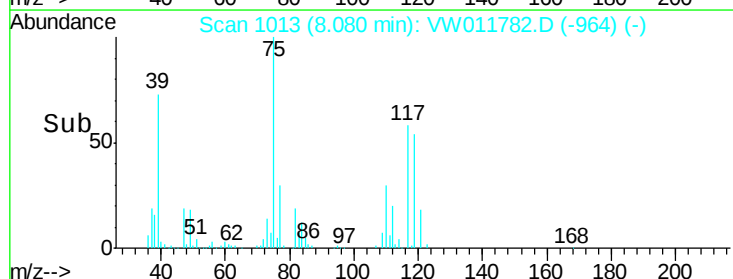
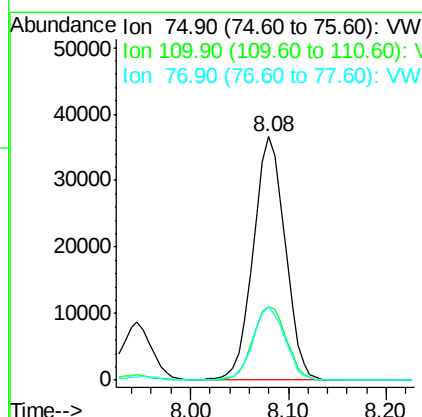
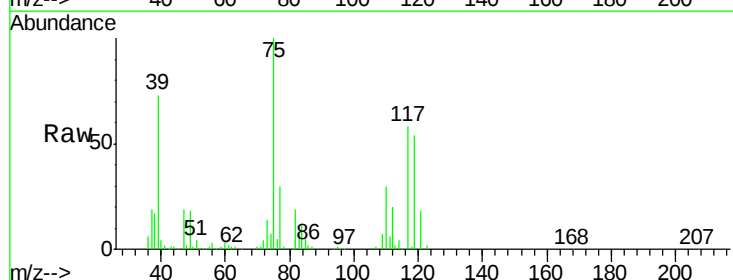
Manual Integrations
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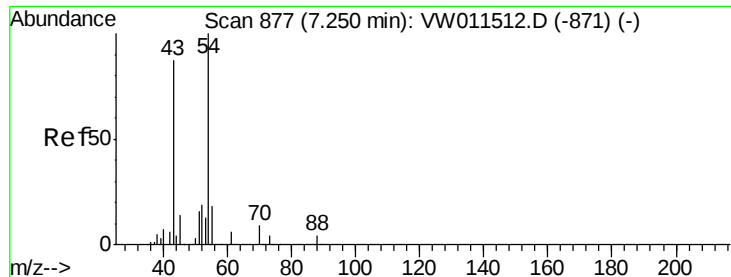
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#36
 1,1-Dichloropropene
 Concen: 21.935 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83003		
110	31.6	15.6	46.8	
77	30.6	24.3	36.5	





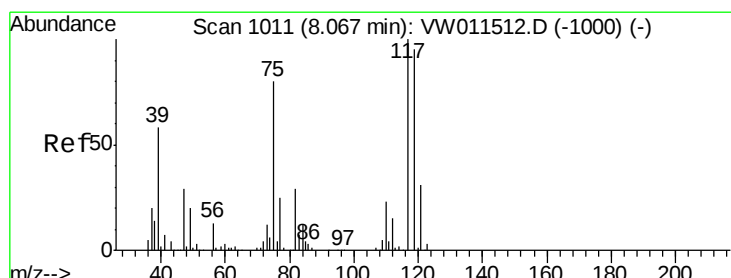
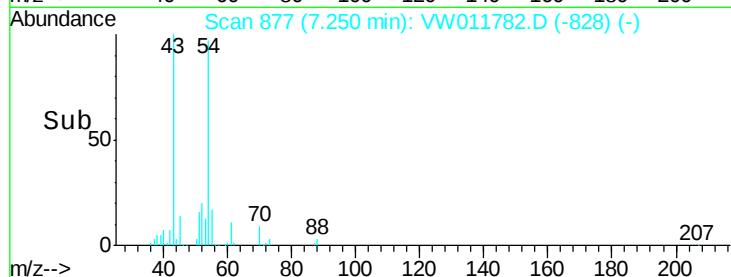
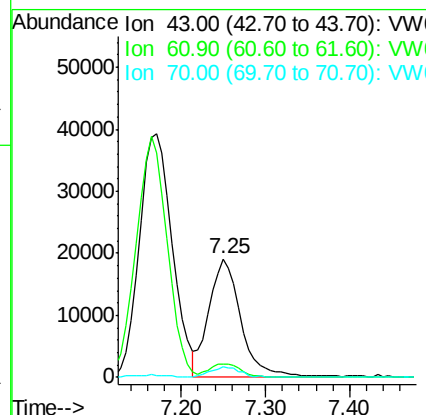
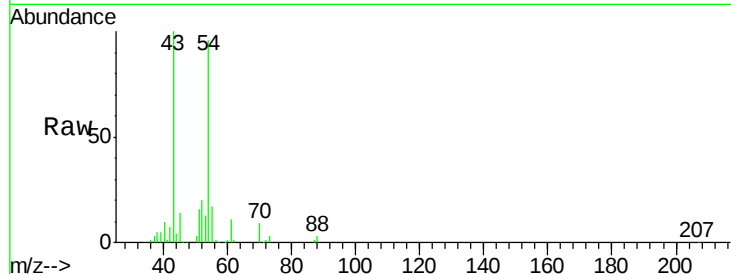
#37
Ethyl Acetate
Concen: 22.905 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	8.8	13.2
70	8.6	7.1	10.7

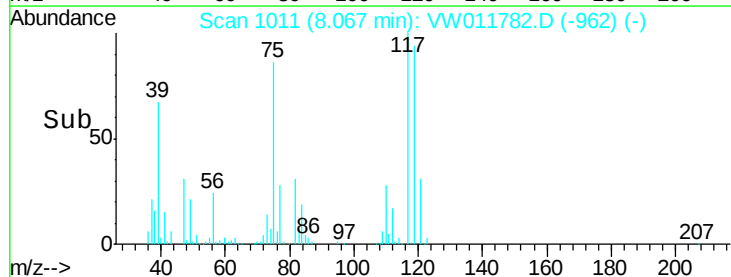
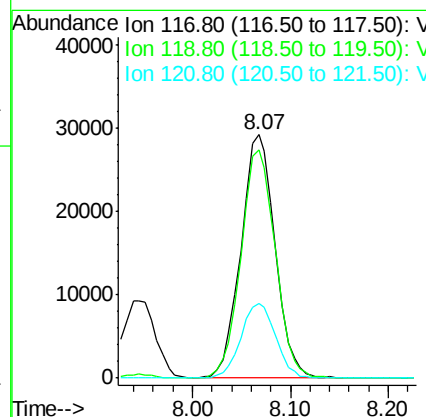
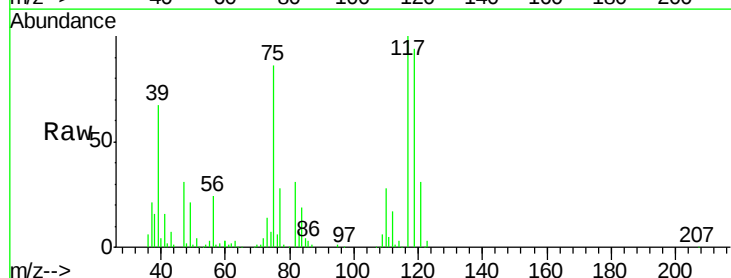
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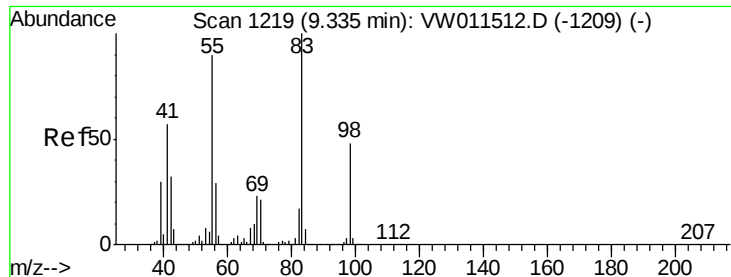
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.815 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.8	113.6
121	30.7	24.7	37.1





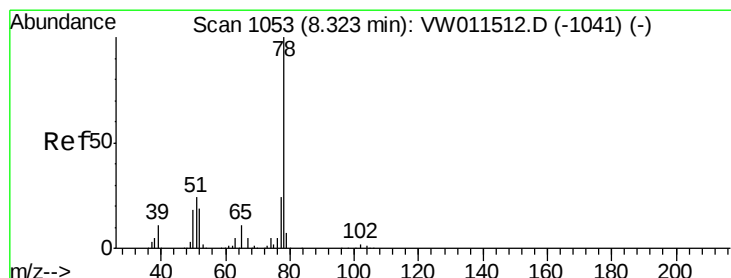
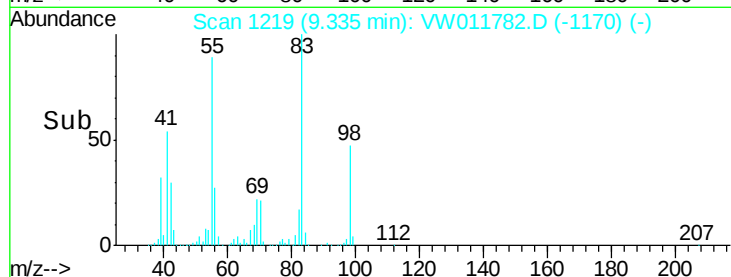
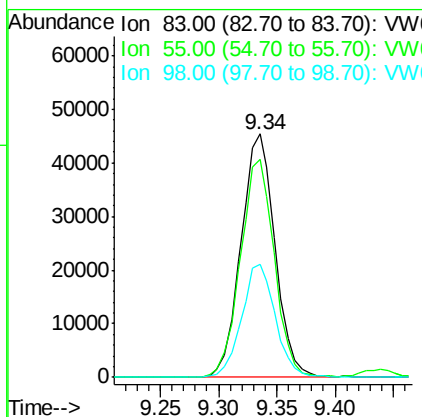
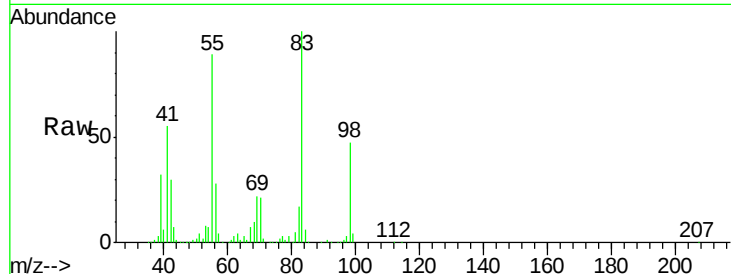
#39
Methvlcvclohexane
Concen: 22.206 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.5	72.1	108.1
98	46.6	38.6	57.8

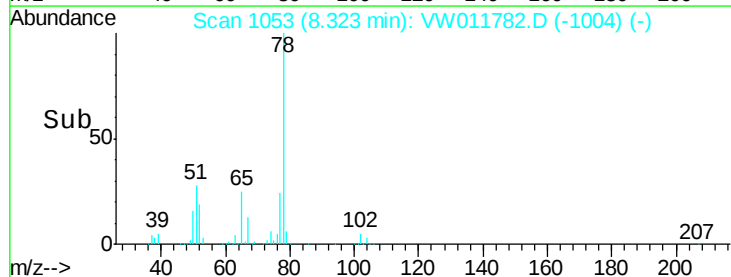
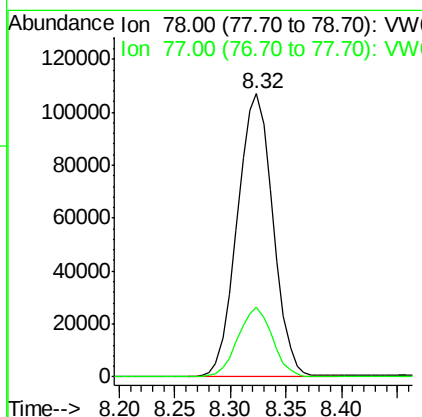
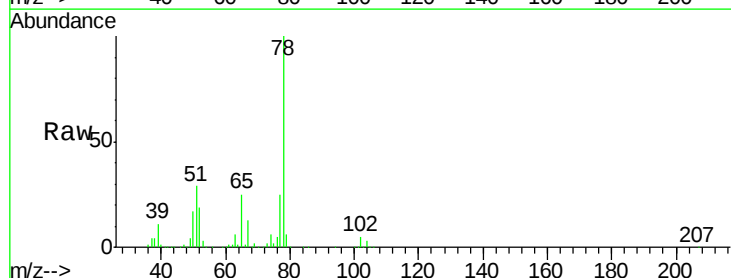
Manual Integrations
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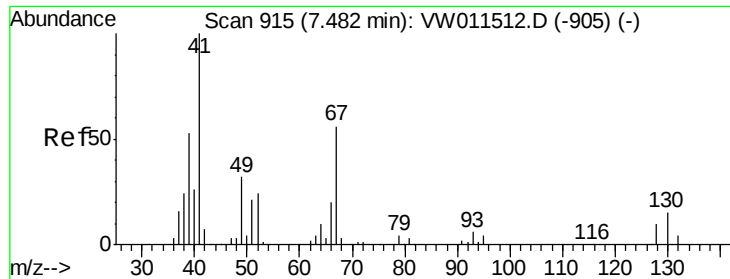
MMDadoda
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#40
Benzene
Concen: 22.509 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.4	29.0





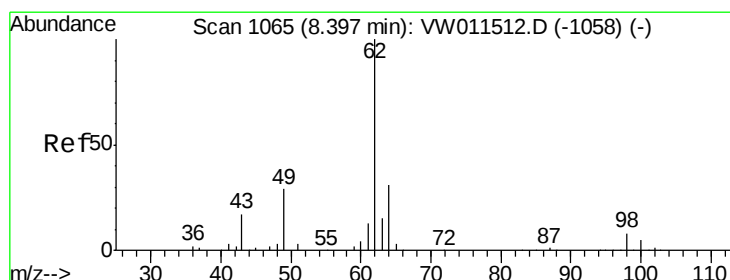
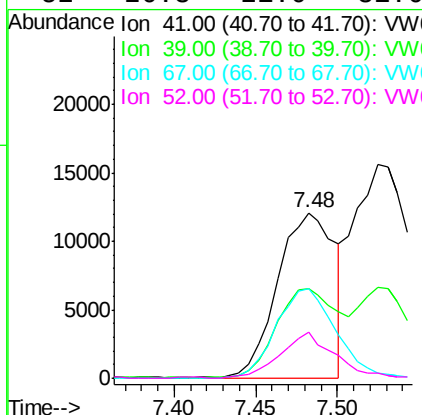
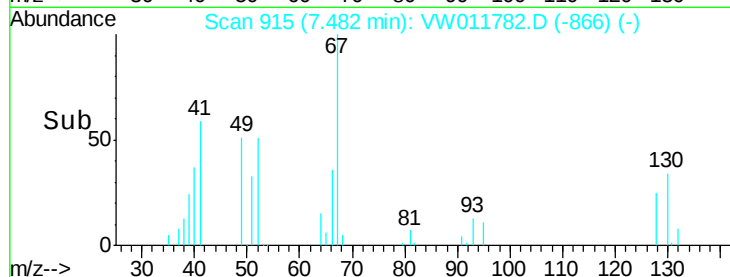
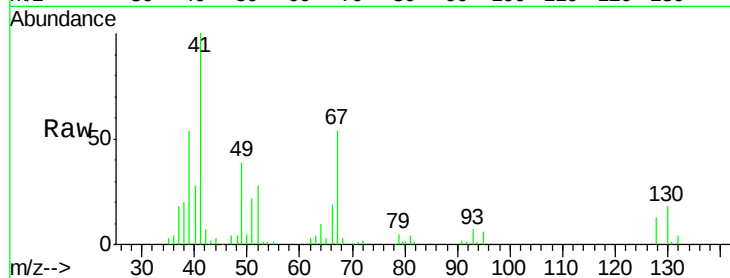
#41
Methacrylonitrile
Concen: 22.646 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.9	43.0	64.4
67	56.3	47.5	71.3
52	26.3	21.0	31.6

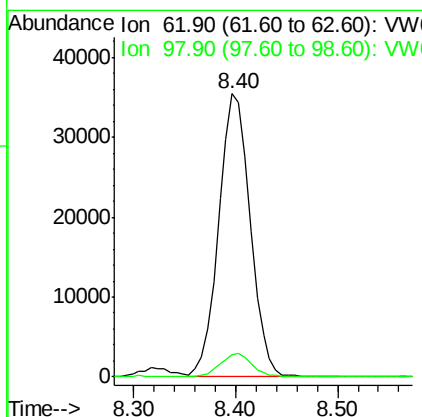
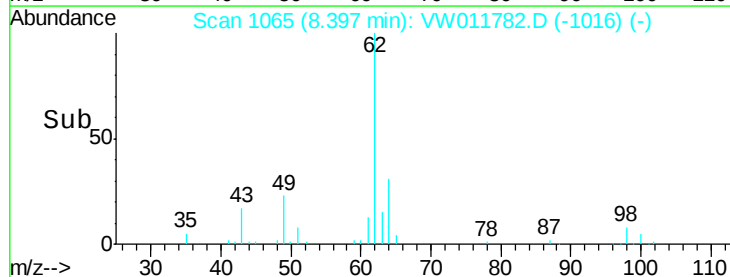
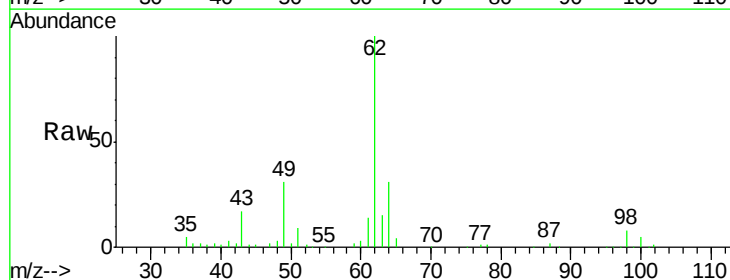
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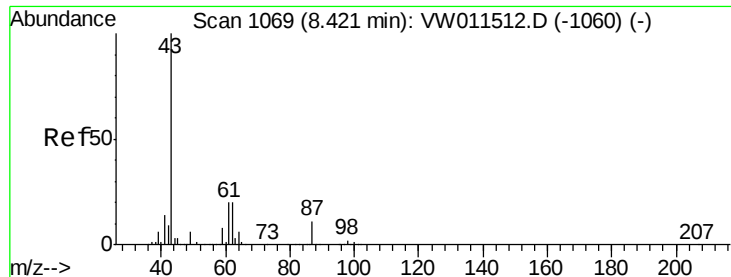
MMDadoda
8/9/2019 10:55:16 AM



#42
1,2-Dichloroethane
Concen: 22.964 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.8





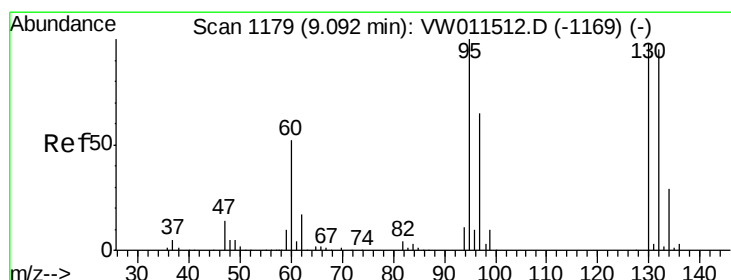
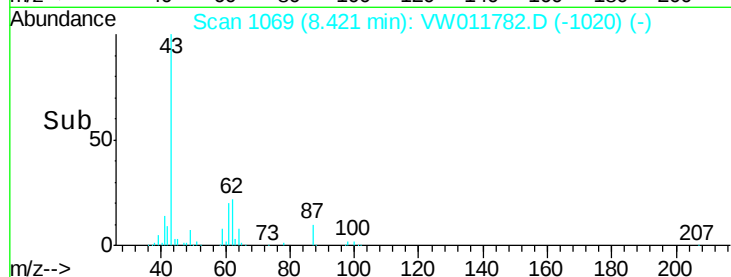
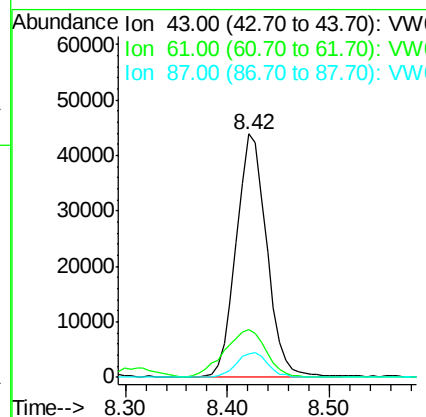
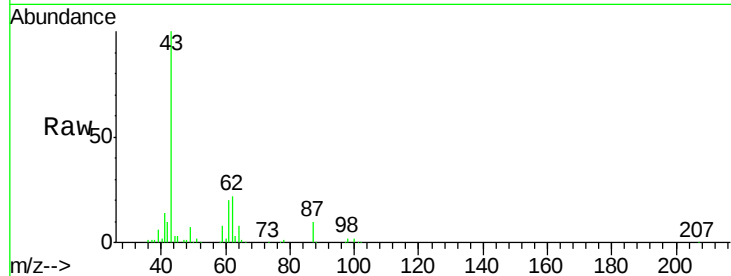
#43
Isopropyl Acetate
Concen: 22.632 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tot Ion	43	Resp	90612
Ion Ratio	Lower	Upper	
43	100		
61	27.3	21.5	32.3
87	10.9	8.4	12.6

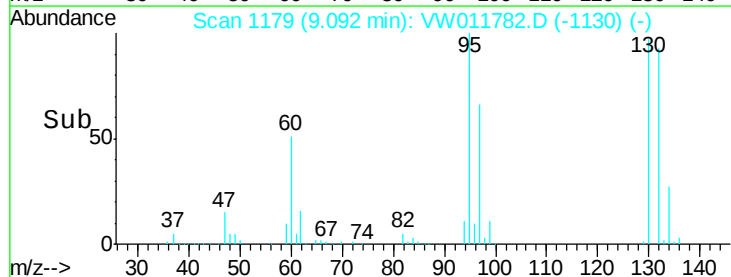
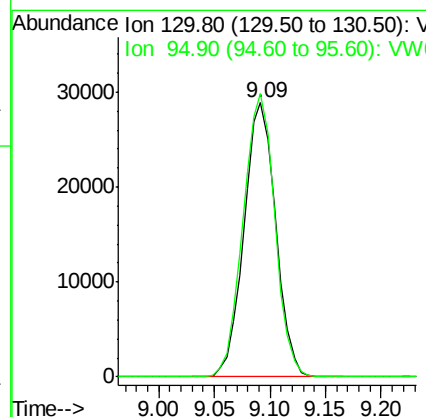
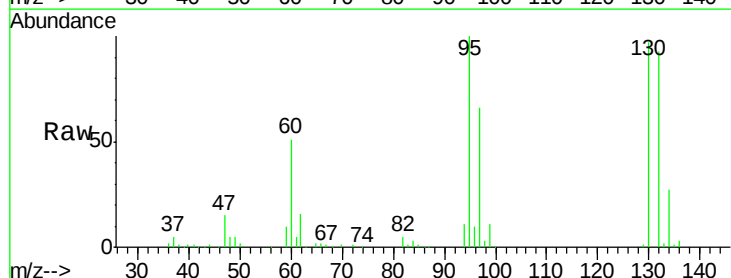
Manual Integrations
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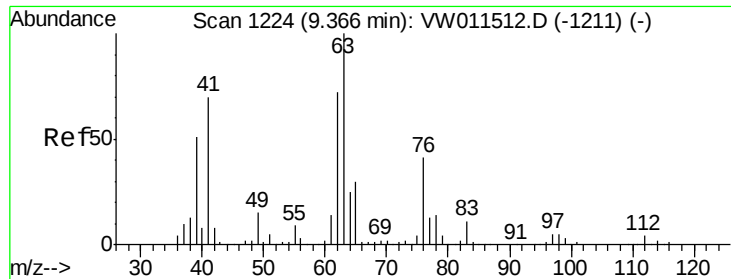
MMDadoda
8/9/2019 10:55:16 AM



#44
Trichloroethene
Concen: 22.450 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	130	Resp	57190
Ion Ratio	Lower	Upper	
130	100		
95	103.2	0.0	204.8





#45

1,2-Dichloropropane

Concen: 22.522 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampled :

VW0810SBS01

Tot Ion: 63 Resp: 63872

Ion Ratio Lower Upper

63 100

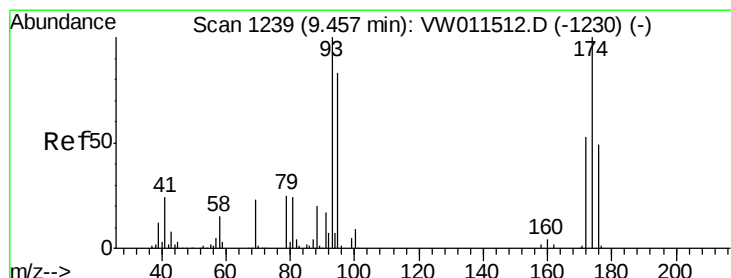
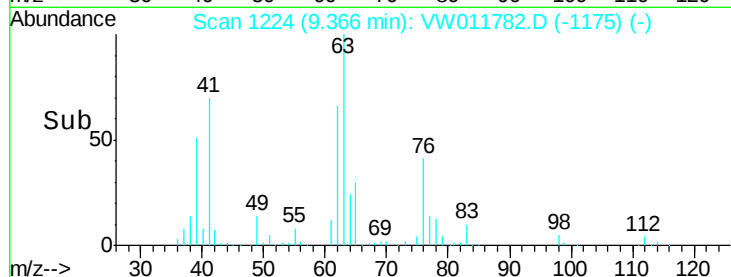
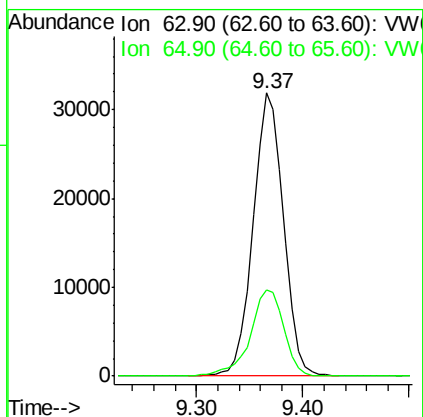
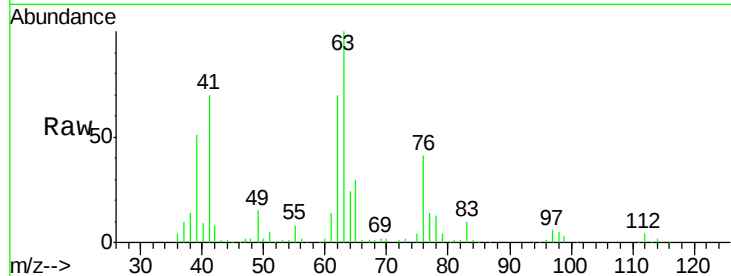
65 30.4 24.2 36.4

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#46

Dibromomethane

Concen: 22.742 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

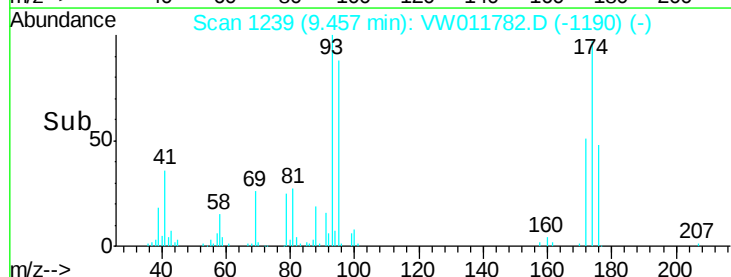
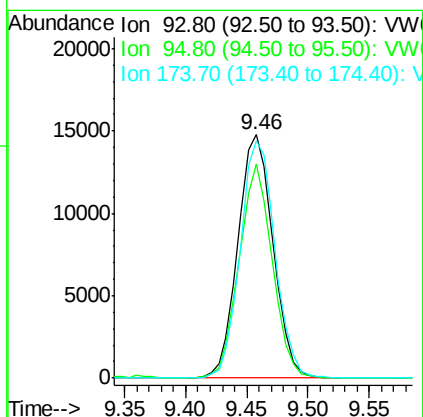
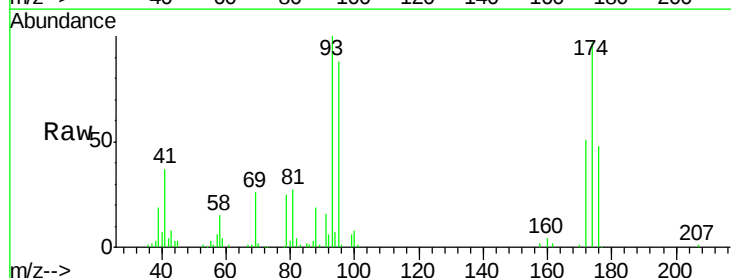
Tgt Ion: 93 Resp: 29437

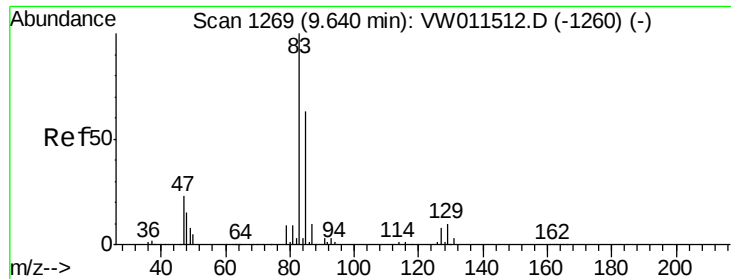
Ion Ratio Lower Upper

93 100

95 83.0 66.2 99.2

174 96.6 78.2 117.4





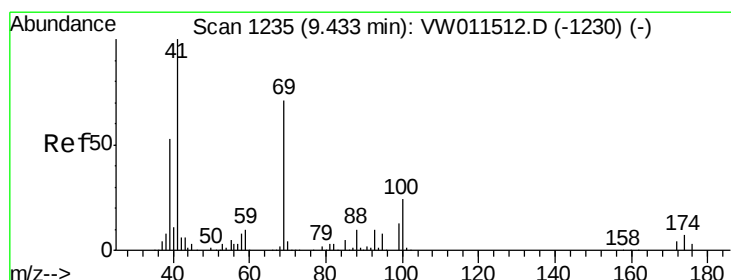
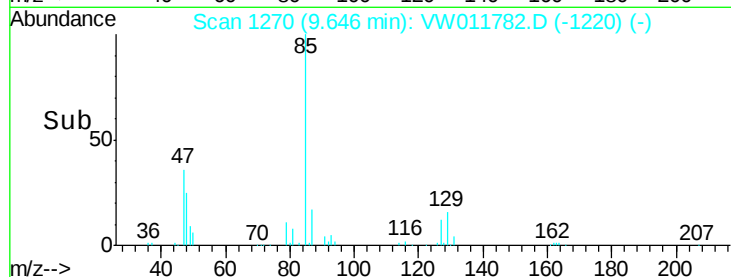
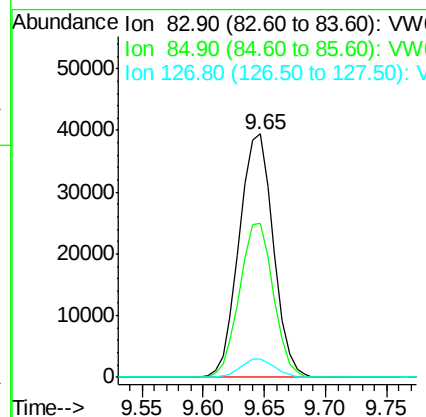
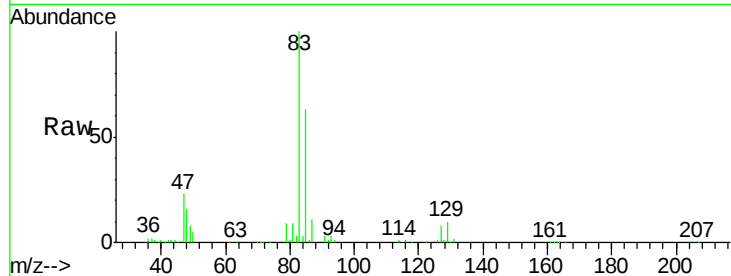
#47
Bromodichloromethane
Concen: 22.569 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampled :
VW0810SBS01

Tot Ion	83	Resp	76629
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	50.5	75.7
127	7.8	6.4	9.6

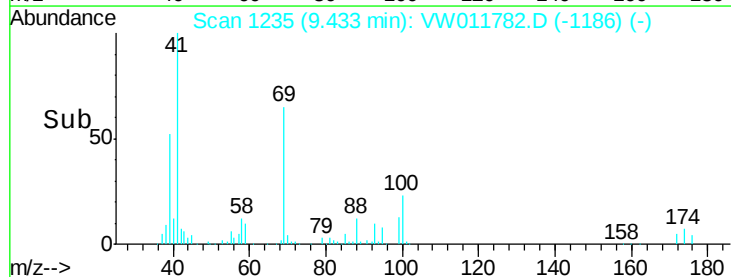
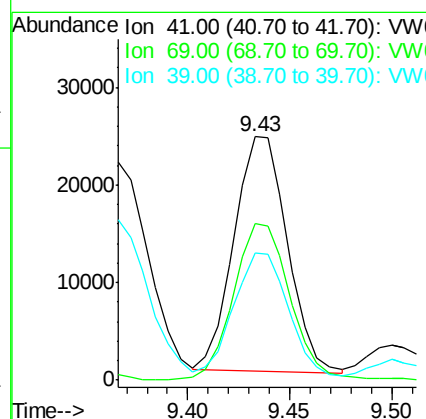
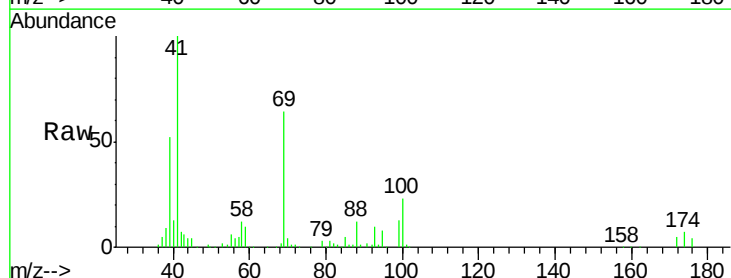
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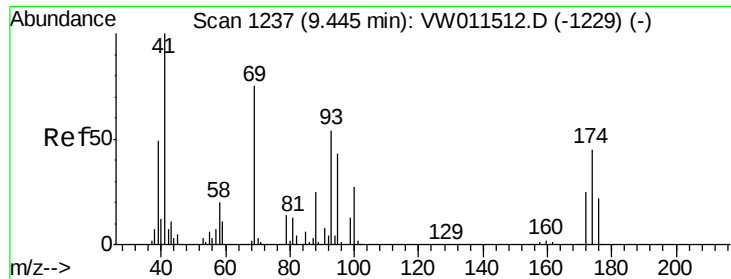
MMDadoda
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#48
Methyl methacrylate
Concen: 22.686 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	41	Resp	43630
Ion Ratio	100	Lower	Upper
41	100		
69	71.3	57.1	85.7
39	56.6	45.4	68.2





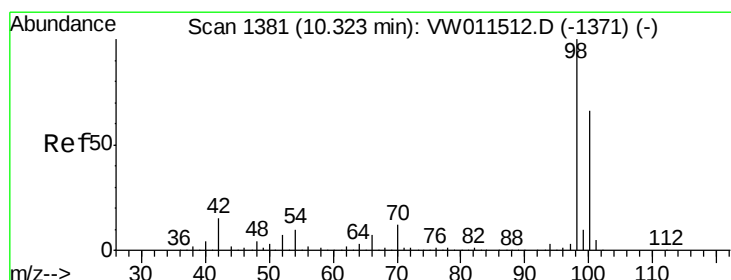
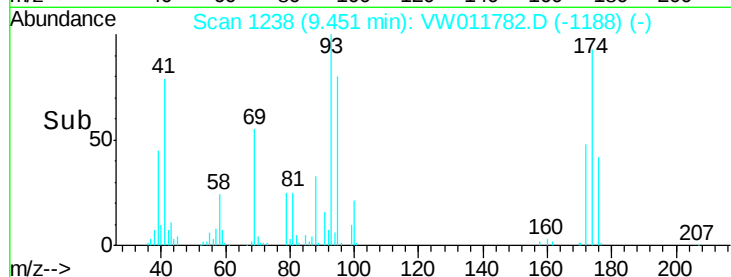
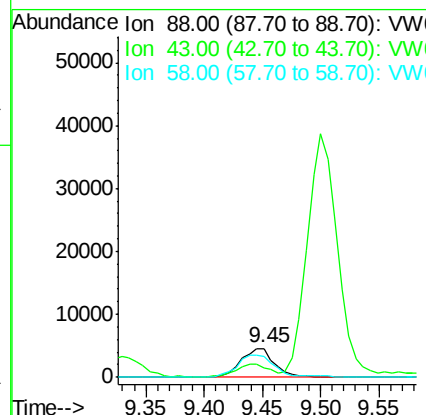
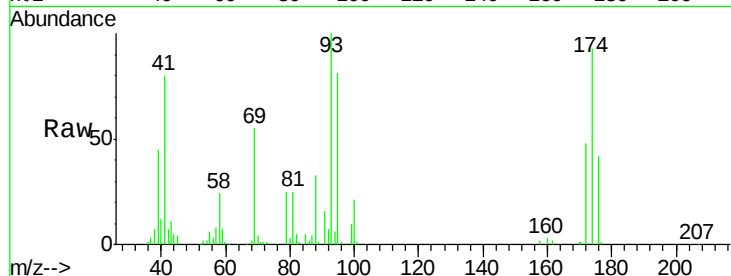
#49
1,4-Dioxane
Concen: 494.399 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampled :
VW0810SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.2	34.0	51.0
58	85.2	69.7	104.5

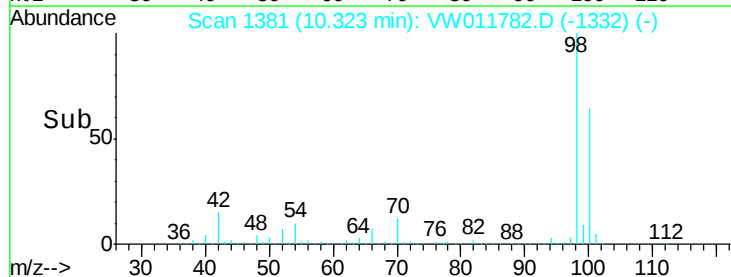
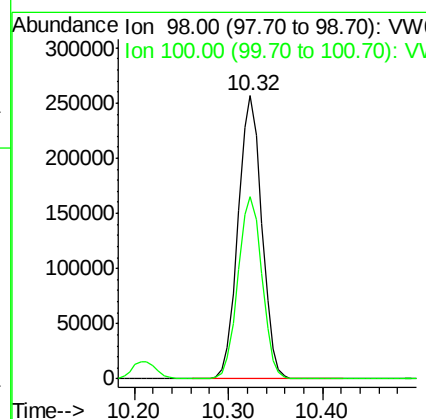
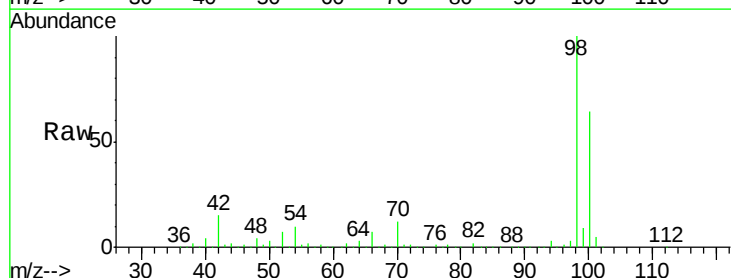
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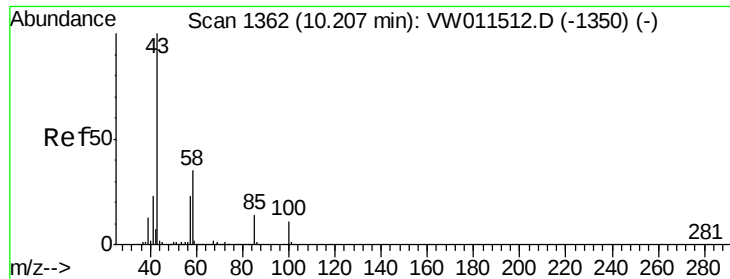
MMDadoda
8/9/2019 10:55:16 AM



#50
Toluene-d8
Concen: 53.689 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 115.190 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampled :

VW0810SBS01

Tot Ion: 43 Resp: 239885

Ion Ratio Lower Upper

43 100

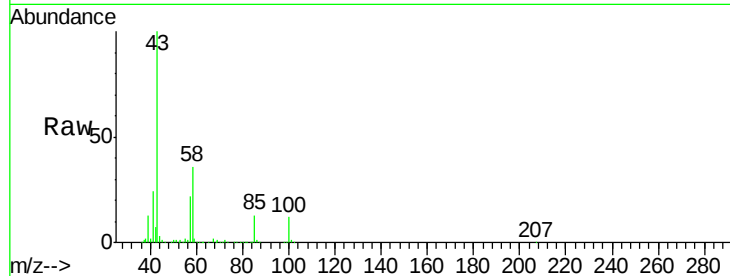
58 34.9 28.2 42.2

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8/9/2019 10:55:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

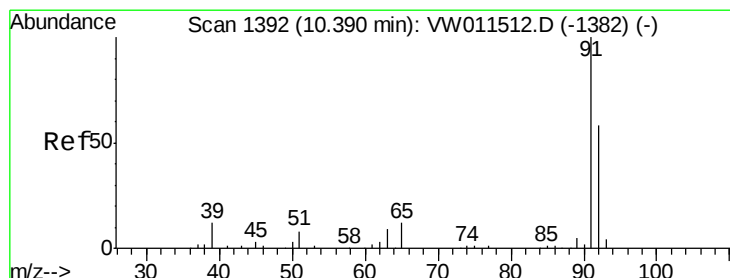
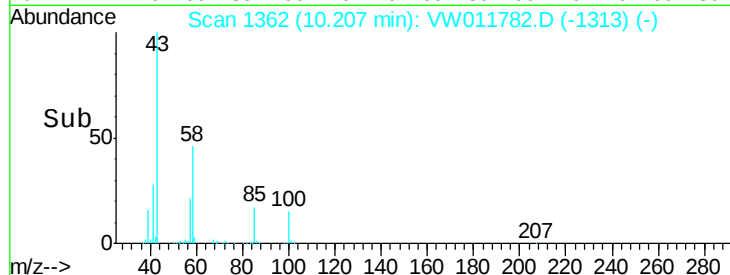
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.552 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011782.D

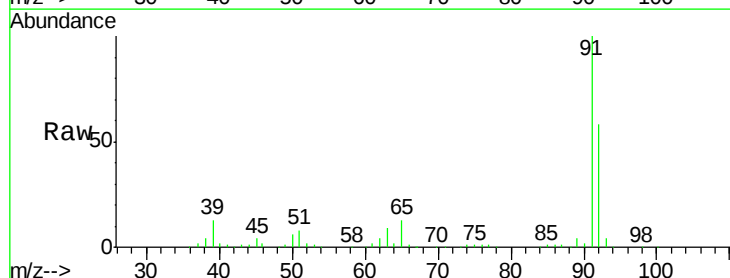
Acq: 08 Aug 2019 21:37

Tgt Ion: 92 Resp: 144349

Ion Ratio Lower Upper

92 100

91 170.7 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

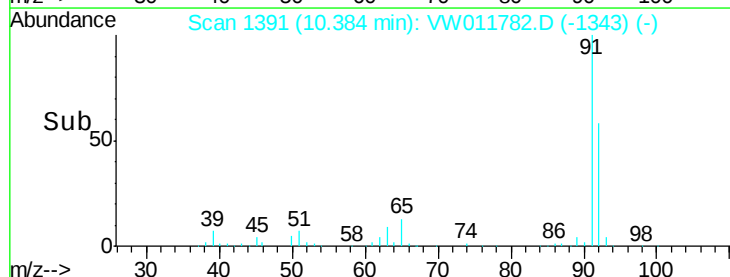
150000

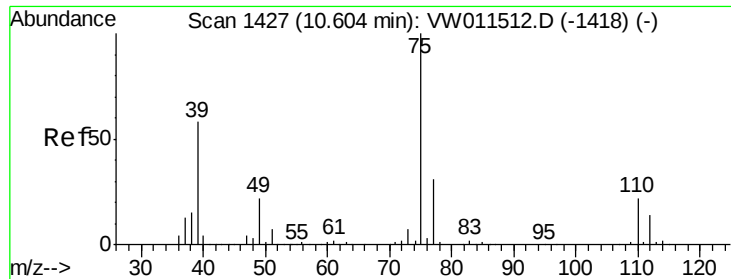
100000

50000

0

Time-->





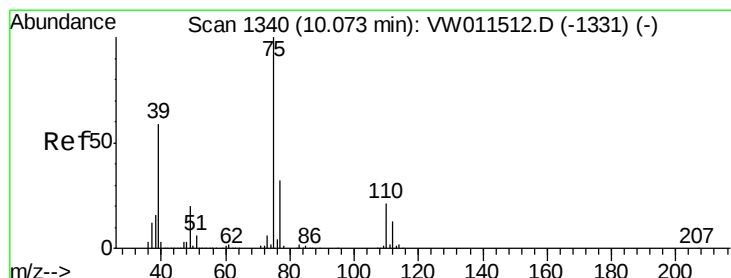
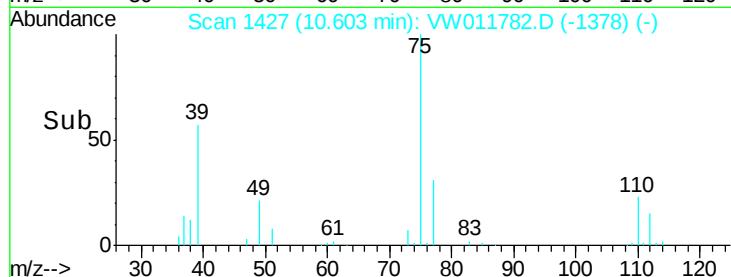
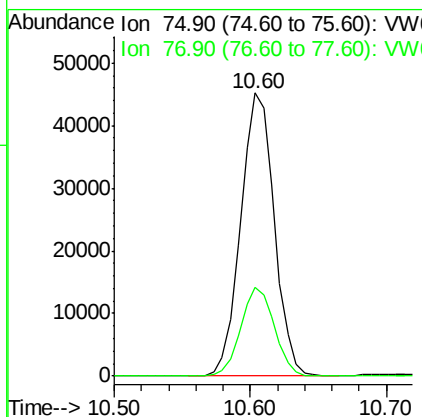
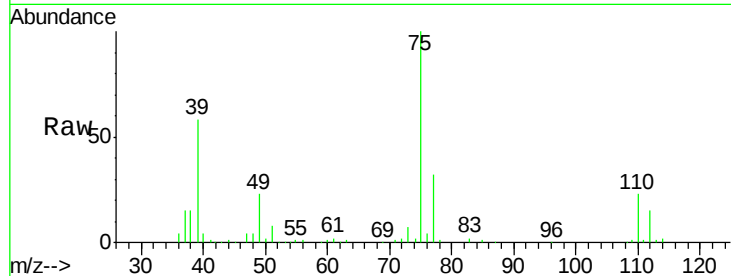
#53
t-1,3-Dichloropropene
Concen: 21.962 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampled :
VW0810SBS01

Tot Ion: 75 Resp: 77897
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4

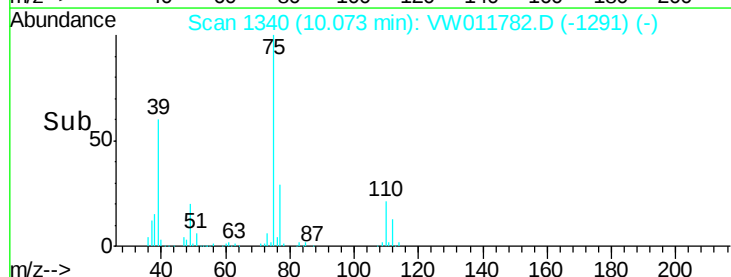
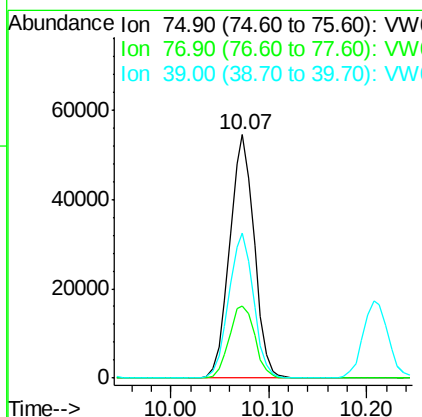
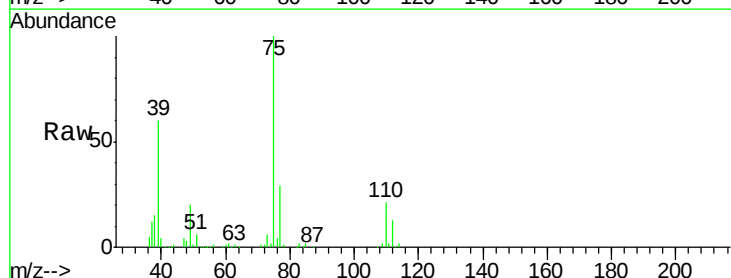
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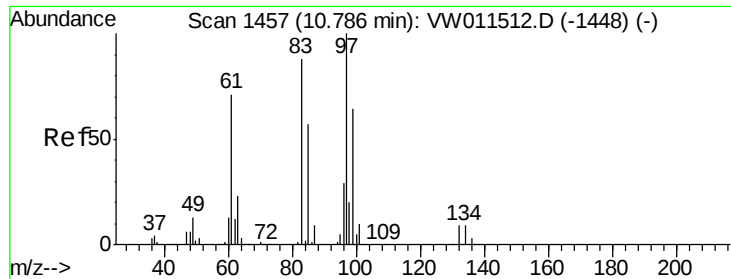
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#54
cis-1,3-Dichloropropene
Concen: 22.430 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion: 75 Resp: 94590
Ion Ratio Lower Upper
75 100
77 29.5 25.6 38.4
39 59.5 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 22.462 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

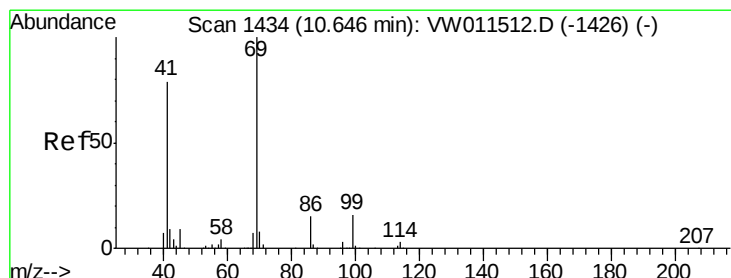
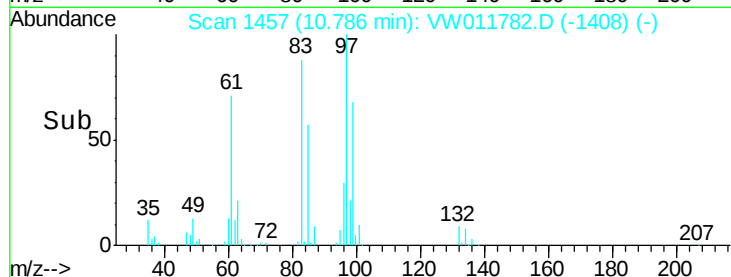
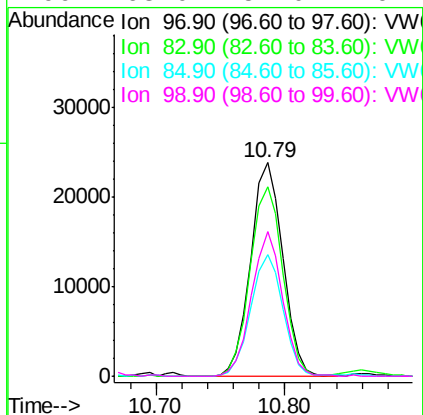
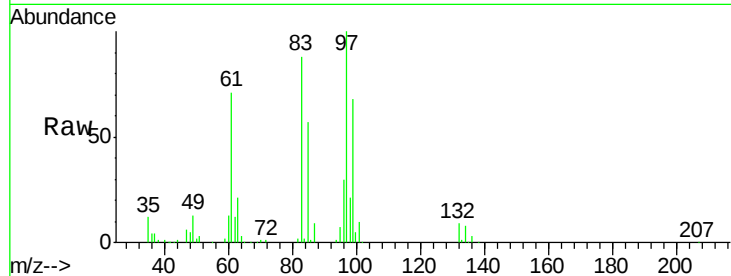
ClientSampleId :

VW0810SBS01

Tot Ion:	97	Resp:	41253
Ion	Ratio	Lower	Upper
97	100		
83	88.5	70.5	105.7
85	56.8	45.8	68.6
99	68.0	51.0	76.4

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#56

Ethyl methacrylate

Concen: 22.952 ug/l

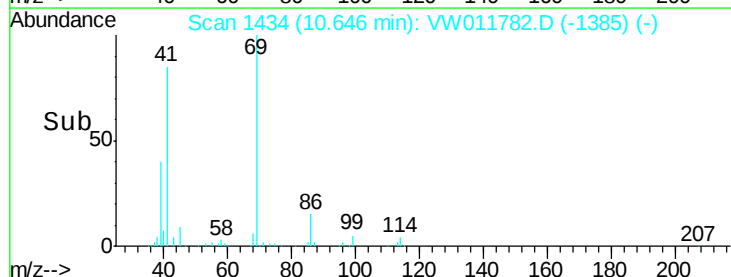
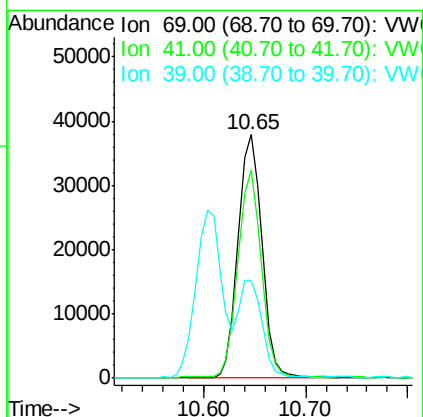
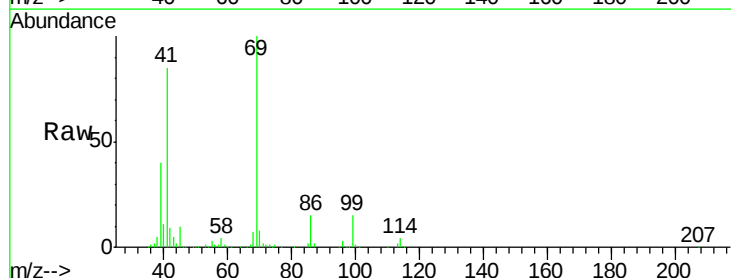
RT: 10.65 min Scan# 1434

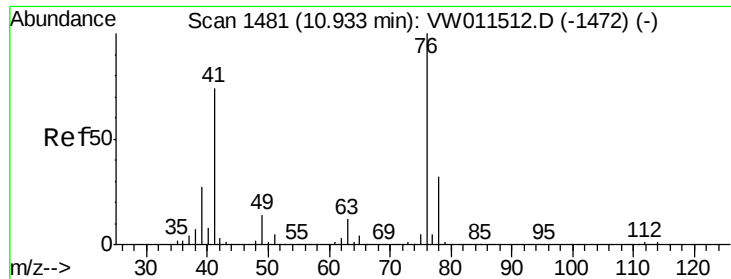
Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Tgt Ion:	69	Resp:	61681
Ion	Ratio	Lower	Upper
69	100		
41	82.4	66.6	99.8
39	38.7	30.3	45.5





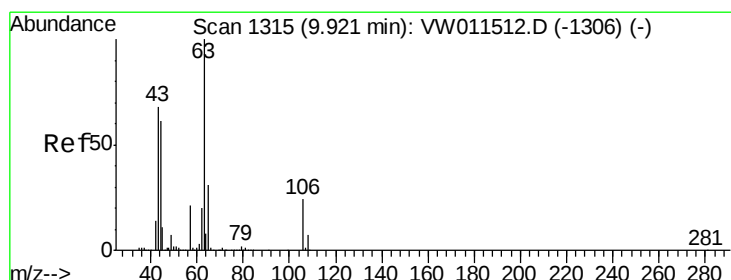
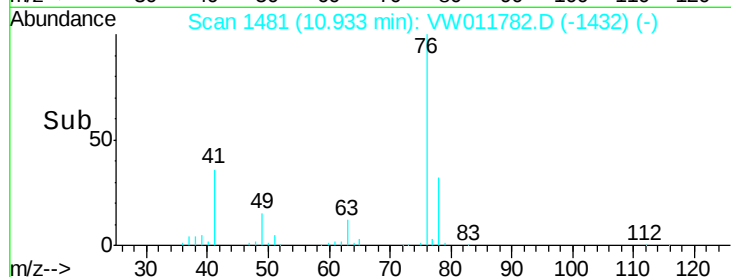
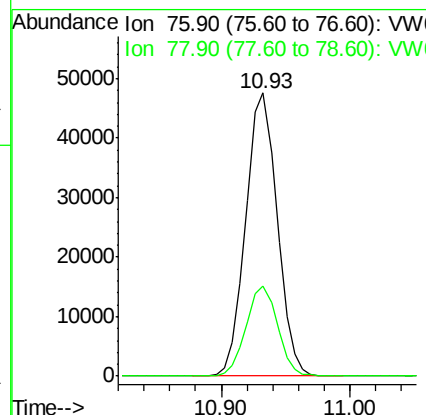
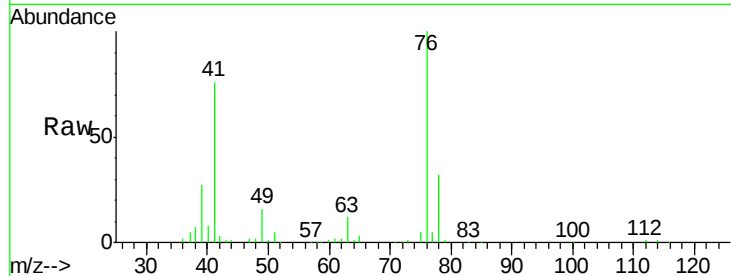
#57
 1,3-Dichloropropane
 Concen: 23.164 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

Tot Ion: 76 Resp: 80484
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8

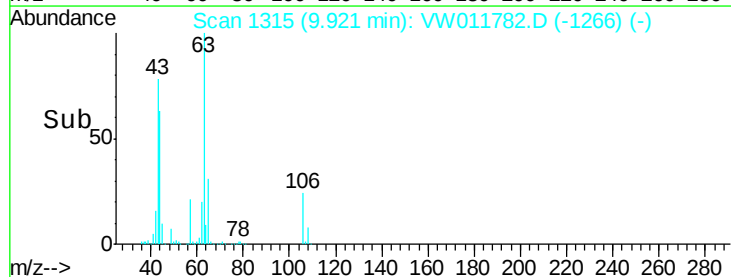
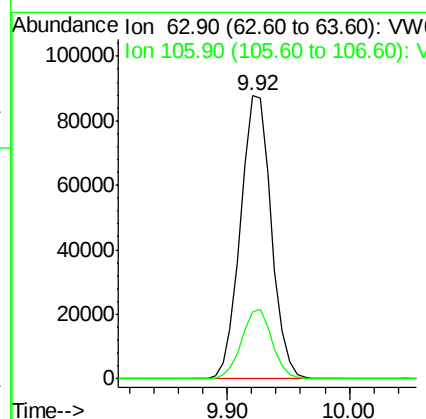
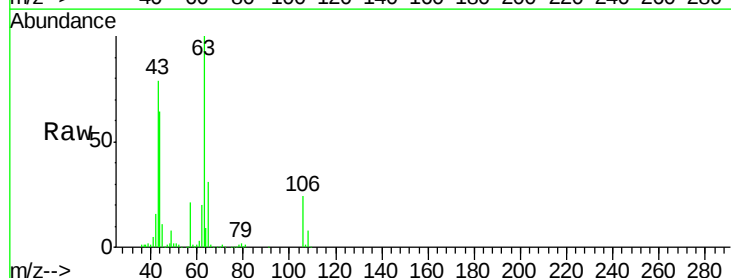
Manual Integrations
 APPROVED

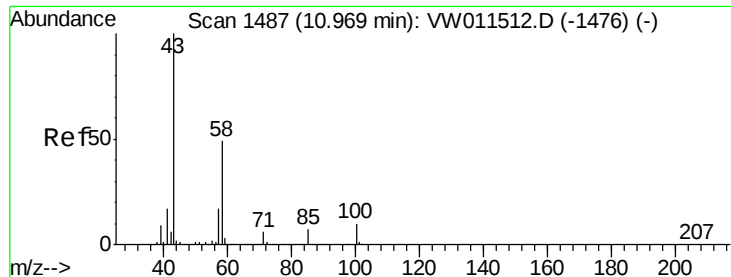
MMDadoda
 8/9/2019 10:55:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 125.468 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion: 63 Resp: 153098
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.7 29.5





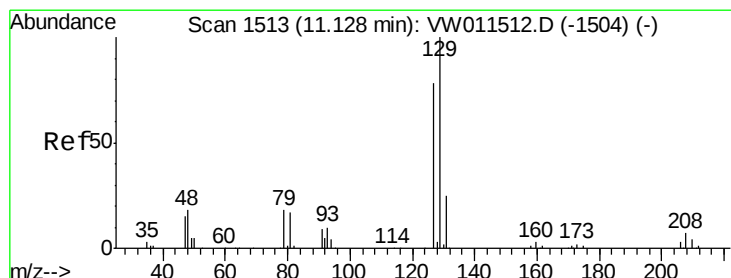
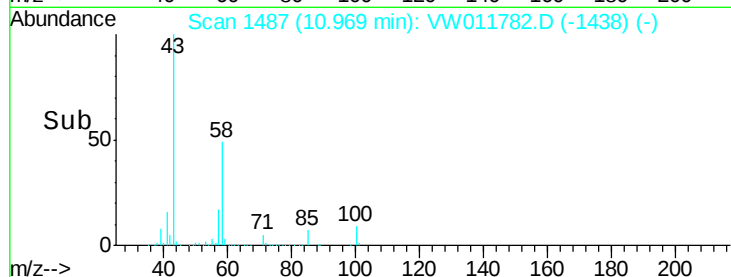
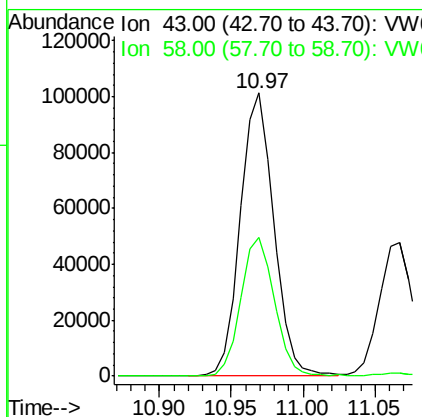
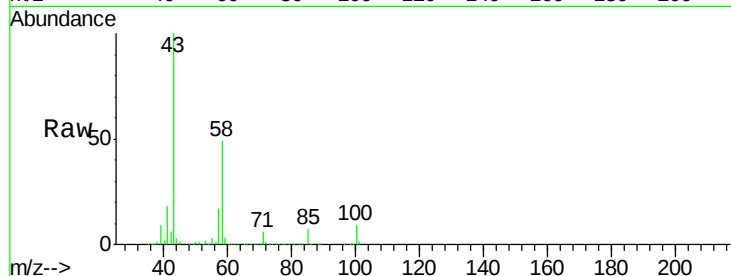
#59
2-Hexanone
Concen: 111.027 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampled :
VW0810SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	24.3	72.9

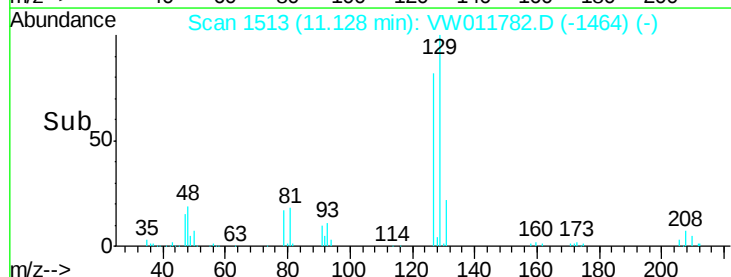
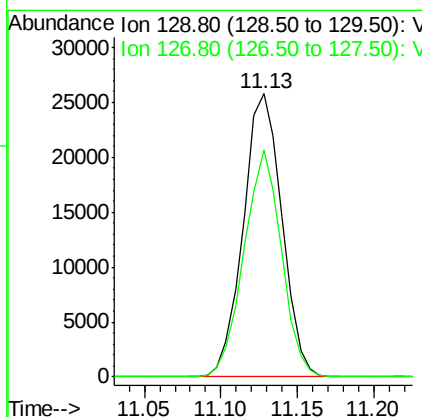
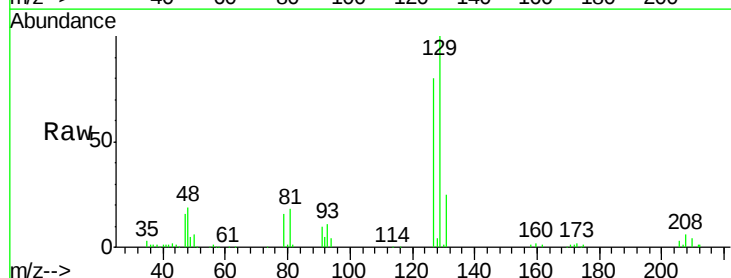
Manual Integrations
APPROVED

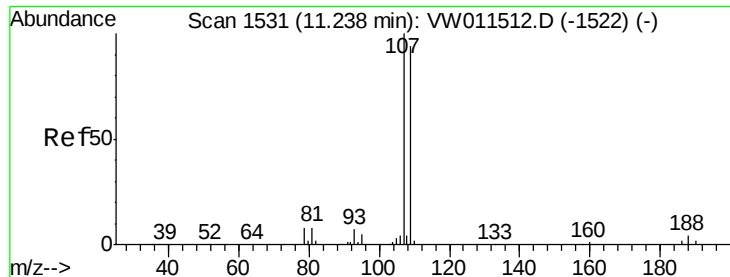
MMDadoda
8/9/2019 10:55:16 AM



#60
Dibromochloromethane
Concen: 22.264 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.9	116.7





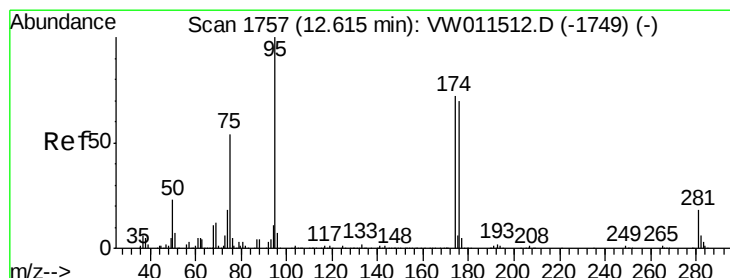
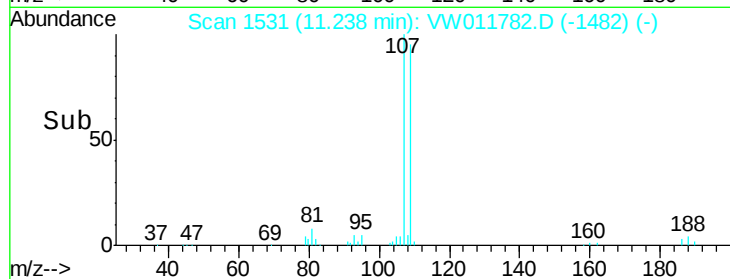
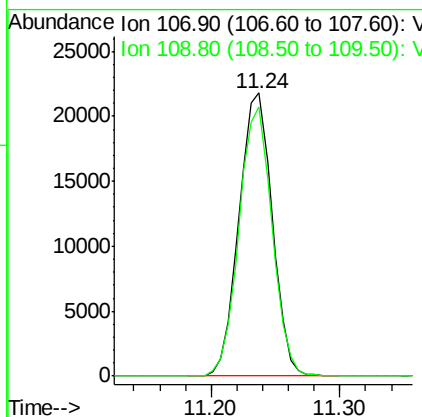
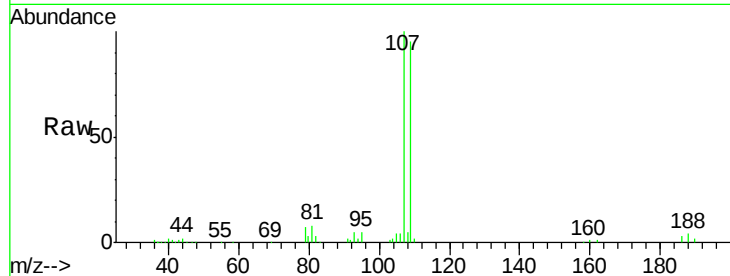
#61
 1,2-Dibromoethane
 Concen: 22.383 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Instrument :
 MSVOA_W
 ClientSampled :
 VW0810SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.0	112.6

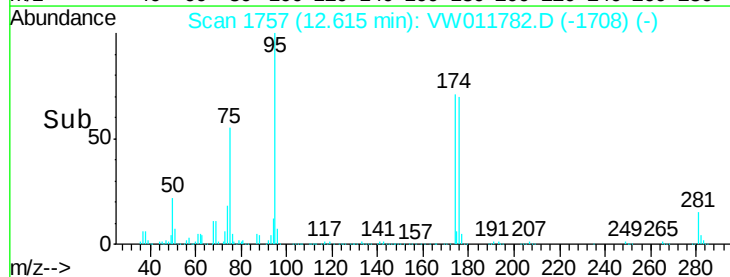
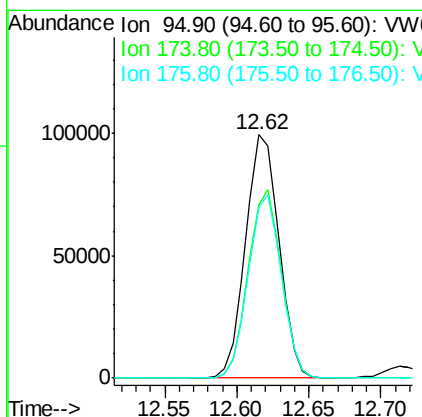
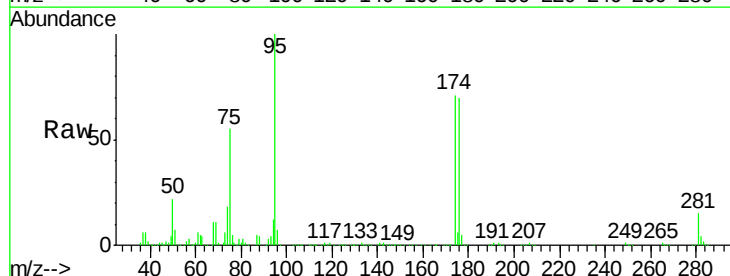
Manual Integrations
 APPROVED

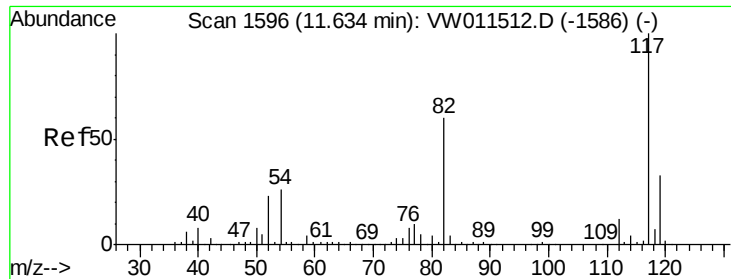
MMDadoda
 8/9/2019 10:55:16 AM



#62
 4-Bromofluorobenzene
 Concen: 53.629 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	150.2
176	74.3	0.0	144.4





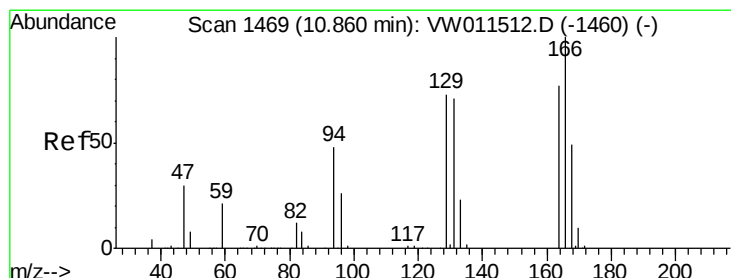
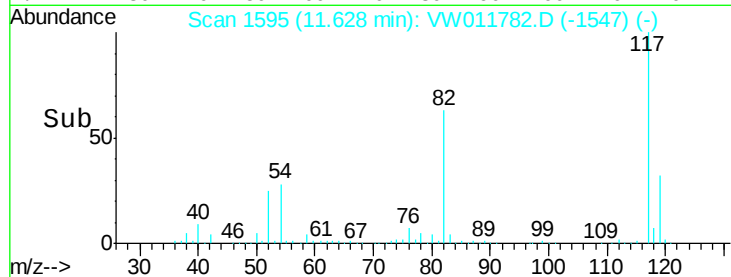
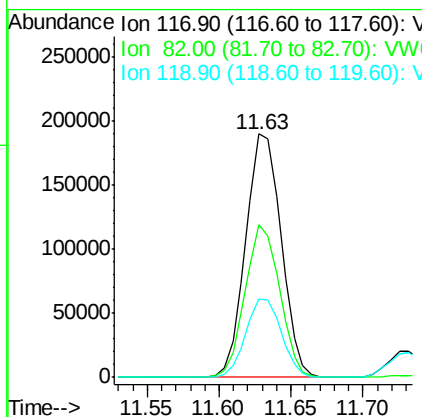
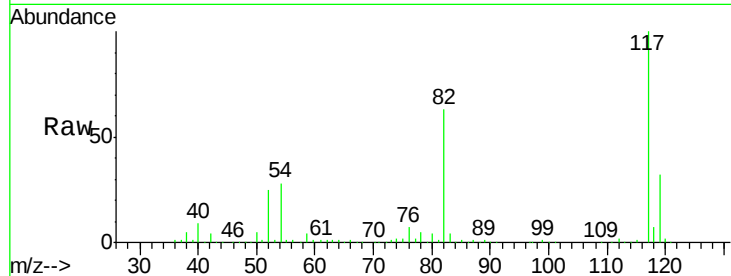
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	323512		
82	62.8	47.9	71.9	
119	32.1	26.2	39.2	

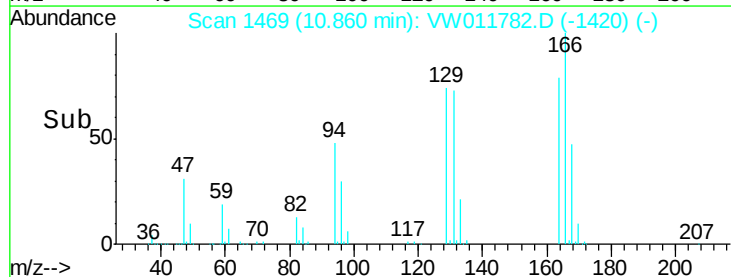
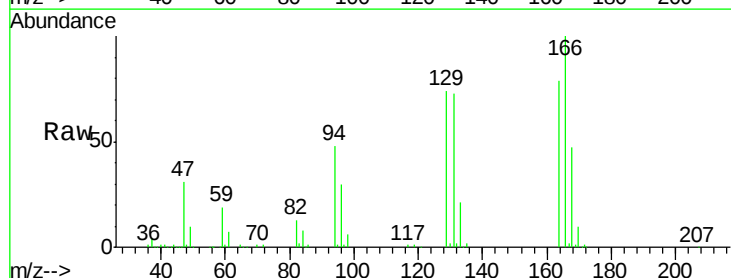
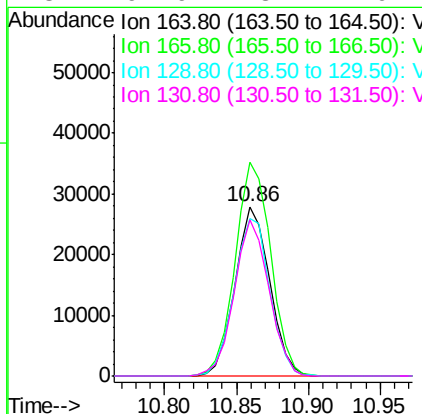
Manual Integrations
APPROVED

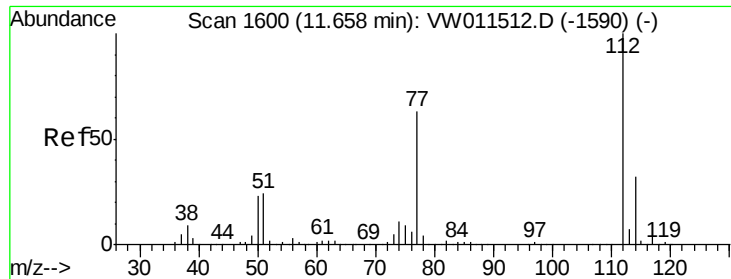
MMDadoda
8/9/2019 10:55:16 AM



#64
Tetrachloroethene
Concen: 22.162 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46682		
166	126.1	103.5	155.3	
129	93.0	75.2	112.8	
131	91.9	73.4	110.2	





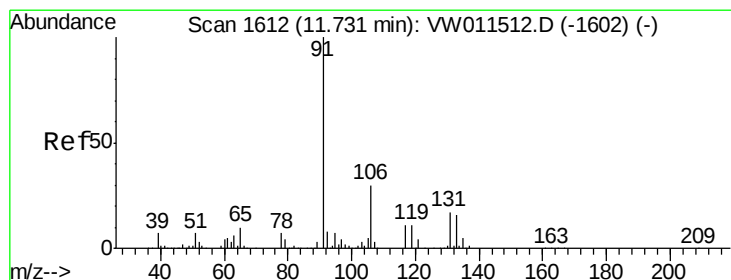
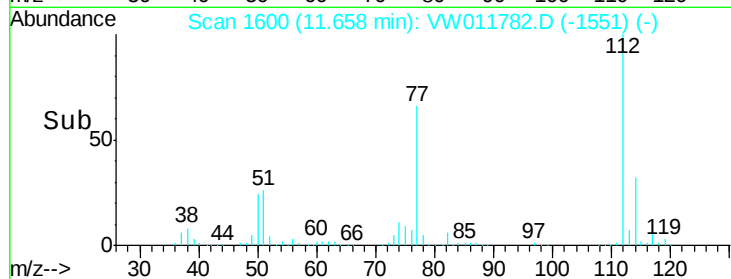
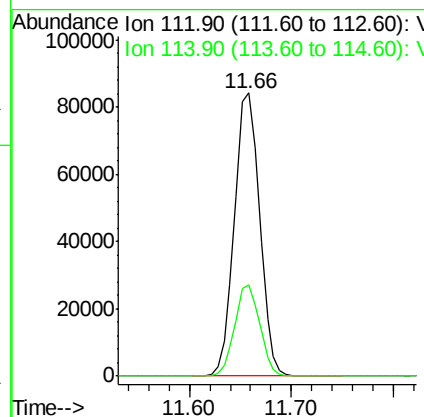
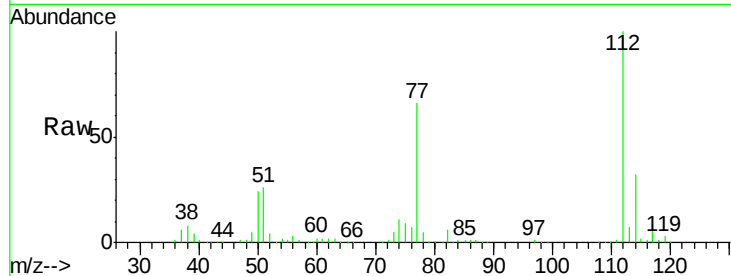
#65
Chlorobenzene
Concen: 22.161 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tot Ion:112 Resp: 144140
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

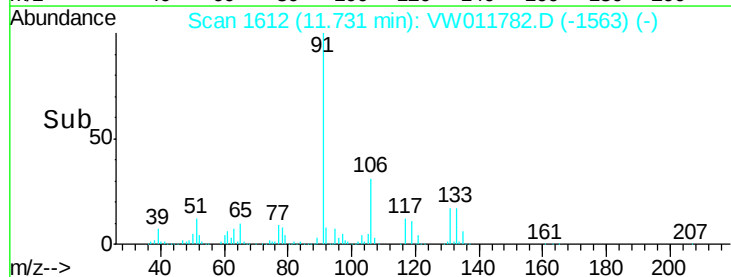
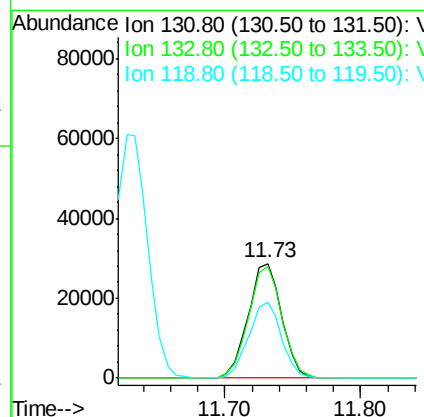
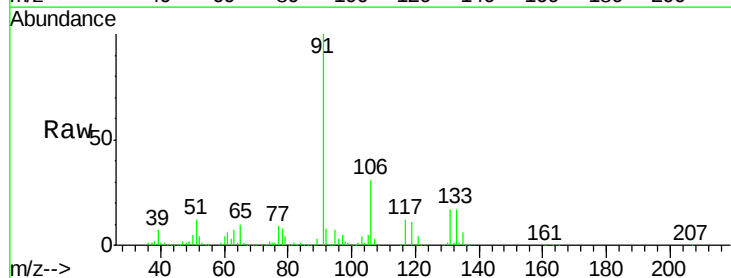
Manual Integrations
APPROVED

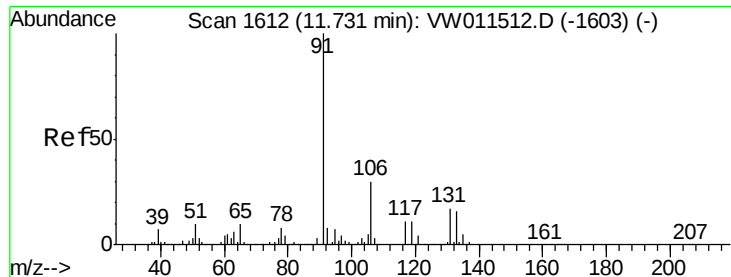
MMDadoda
8/9/2019 10:55:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.730 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion:131 Resp: 49230
Ion Ratio Lower Upper
131 100
133 98.0 47.4 142.2
119 65.5 32.3 96.9





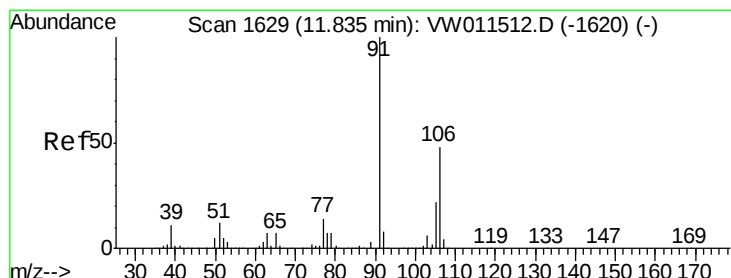
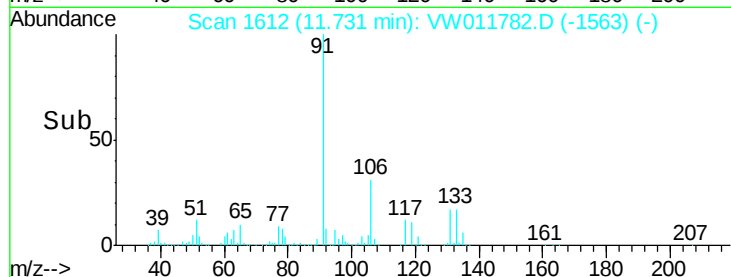
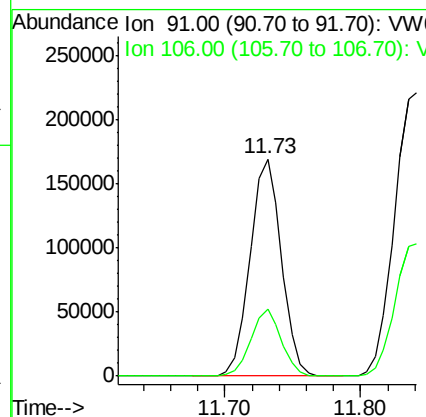
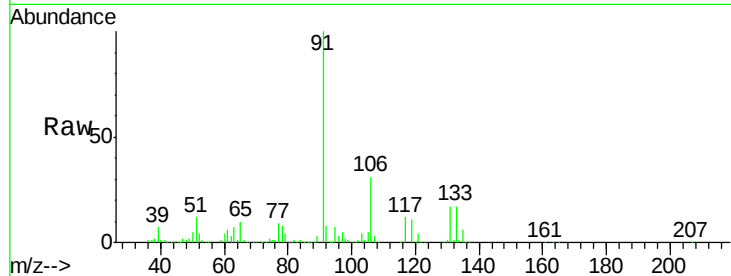
#67
Ethyl Benzene
Concen: 22.072 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.8	35.6

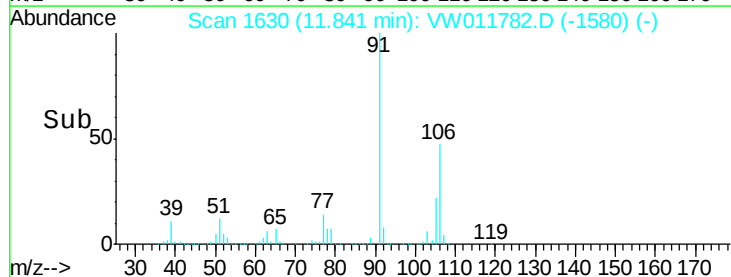
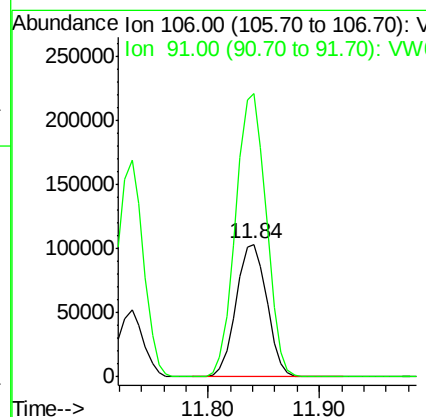
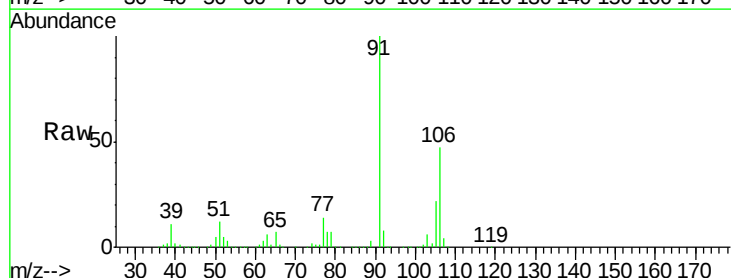
Manual Integrations
APPROVED

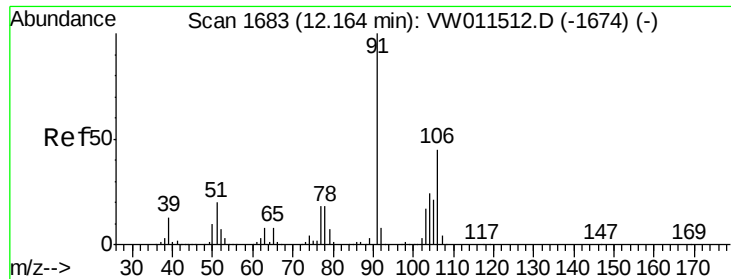
MMDadoda
8/9/2019 10:55:16 AM



#68
m/p-Xylenes
Concen: 44.020 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	212.3	168.2	252.2





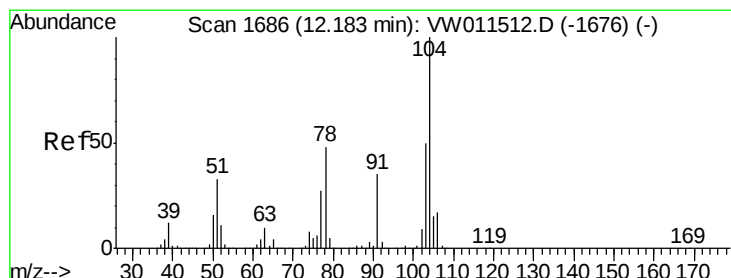
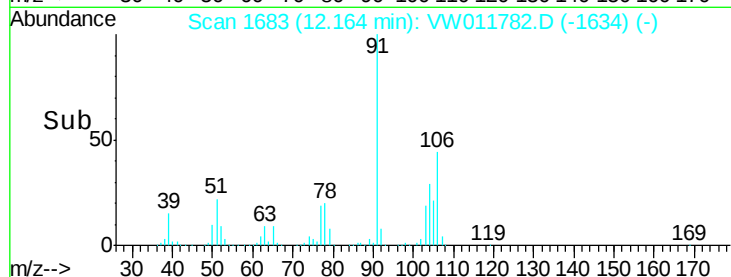
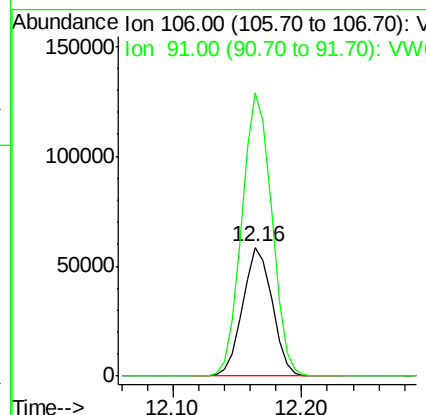
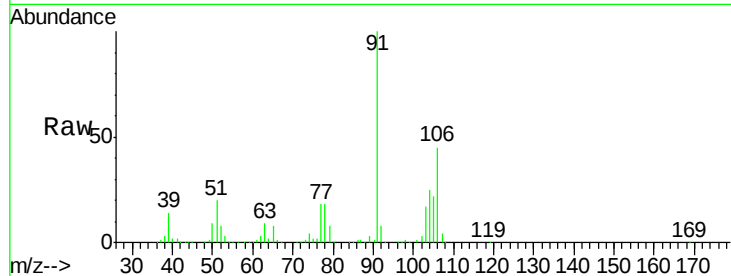
#69
o-Xylene
Concen: 22.187 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampled :
VW0810SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		92881		
91	223.1	110.5	331.5		

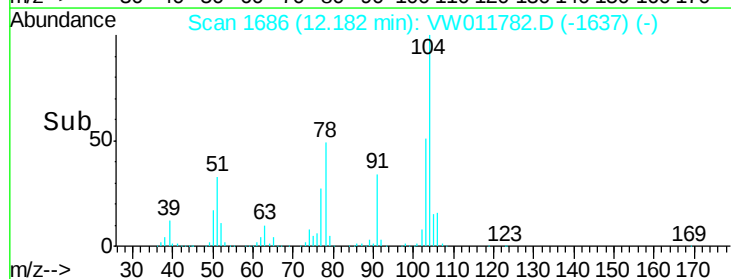
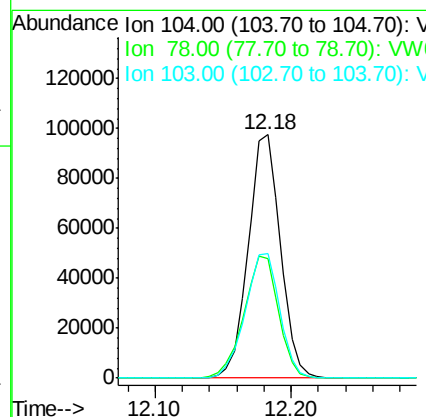
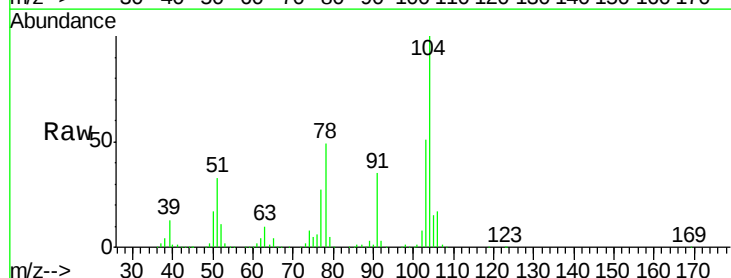
Manual Integrations
APPROVED

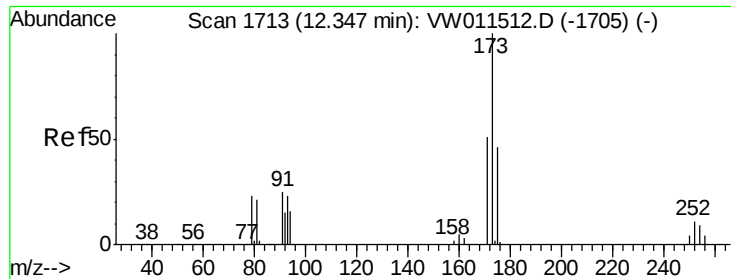
MMDadoda
8/9/2019 10:55:16 AM



#70
Styrene
Concen: 22.349 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		161763		
78	54.0	43.4	65.0		
103	55.3	43.9	65.9		





#71

Bromoform

Concen: 22.352 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

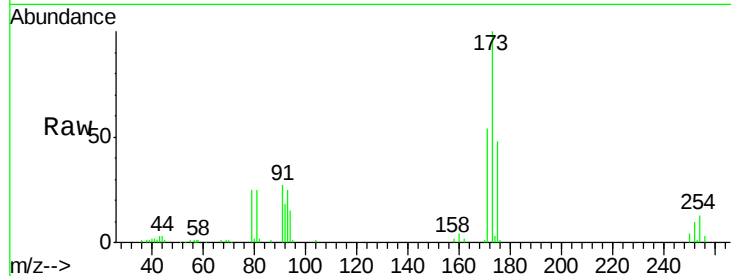
ClientSampleId :

VW0810SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.6	71.0
254	0.0	0.1	0.1#

Manual Integrations
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MMDadoda
8/9/2019 10:55:16 AM

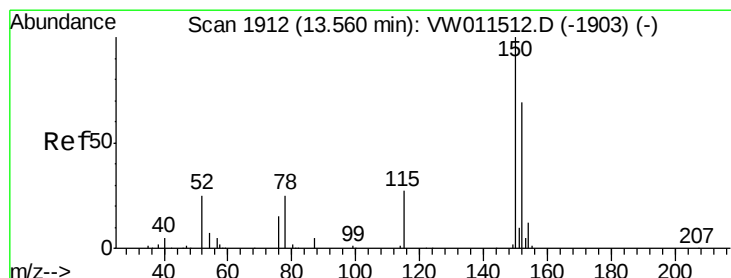
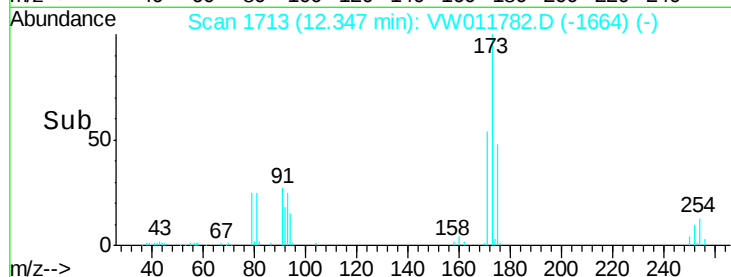
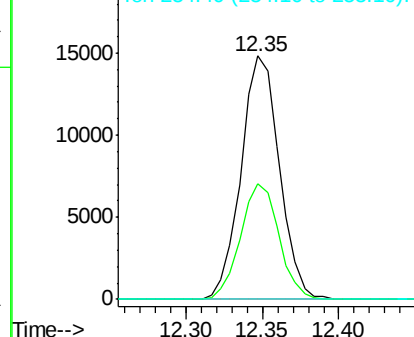


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

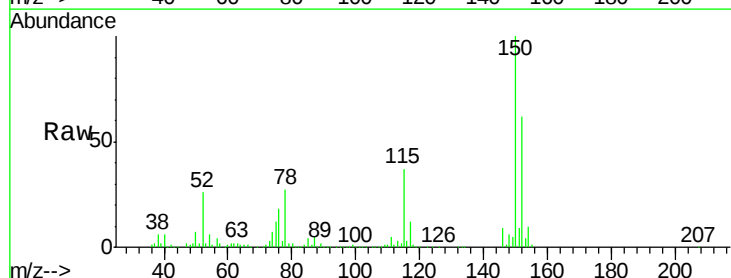
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.5	91.5
150	162.7	0.0	352.6

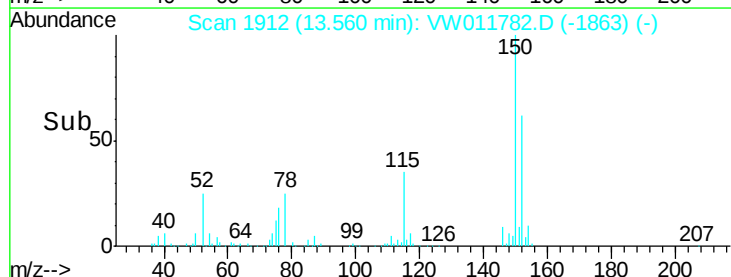
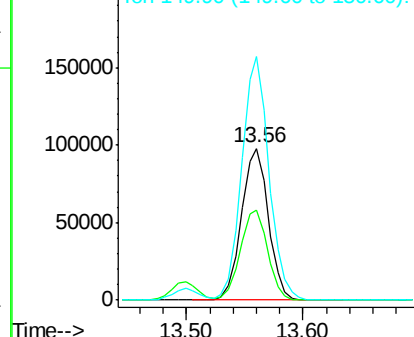


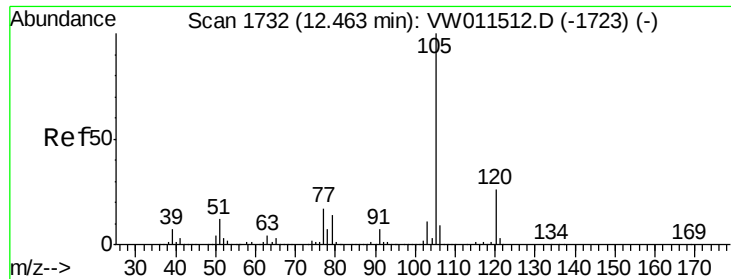
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.168 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

Tot Ion: 105 Resp: 259579

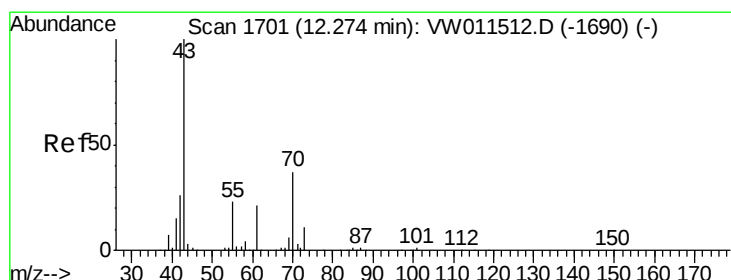
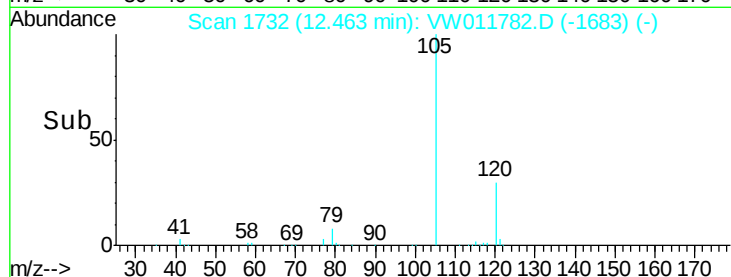
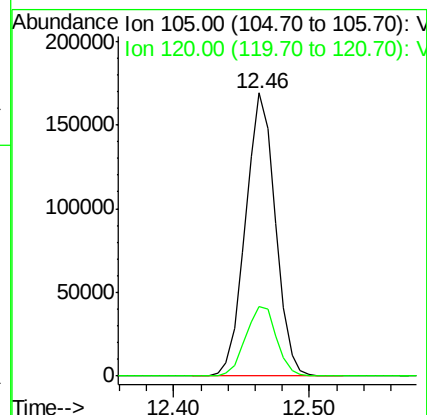
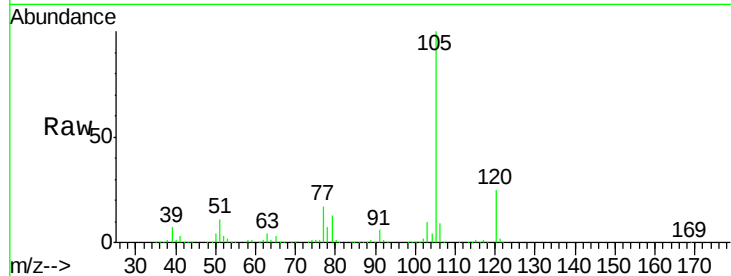
Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.7

Manual Integrations
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8/9/2019 10:55:16 AM



#74

N-ethyl acetate

Concen: 22.977 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Tgt Ion: 43 Resp: 84231

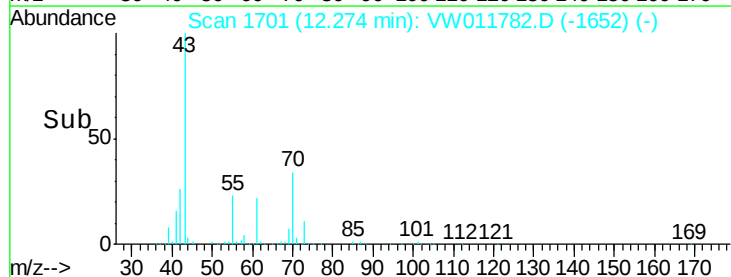
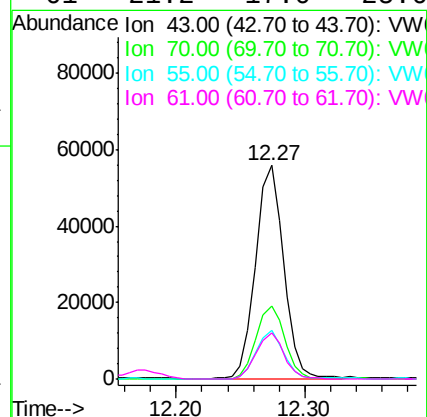
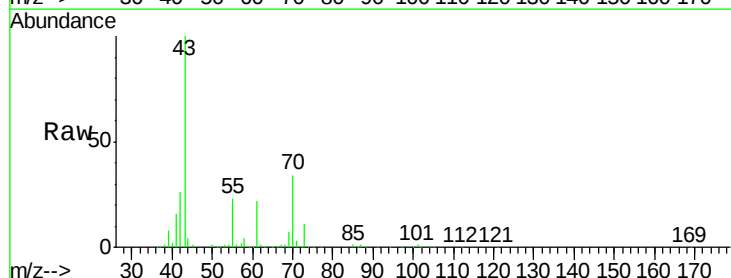
Ion Ratio Lower Upper

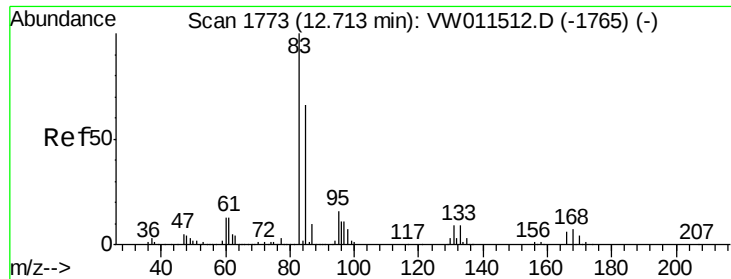
43 100

70 35.3 28.6 43.0

55 22.6 17.8 26.8

61 21.2 17.0 25.6





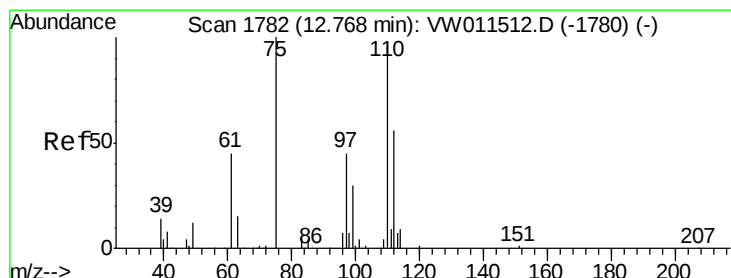
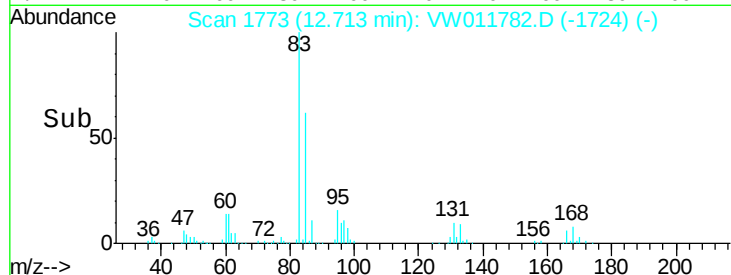
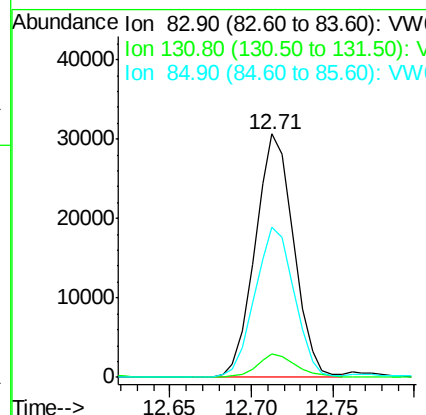
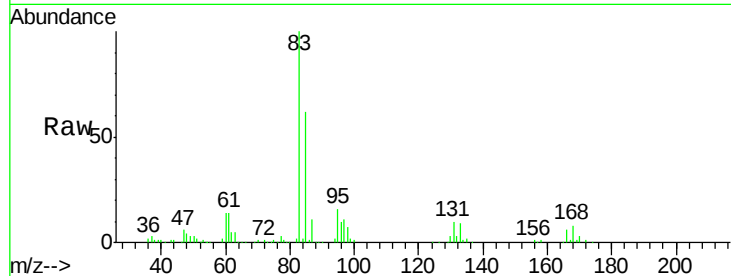
#75
 1,1,2,2-Tetrachloroethane
 Concen: 22.831 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	50287		
131	9.9		4.9	14.6
85	63.1		31.8	95.4

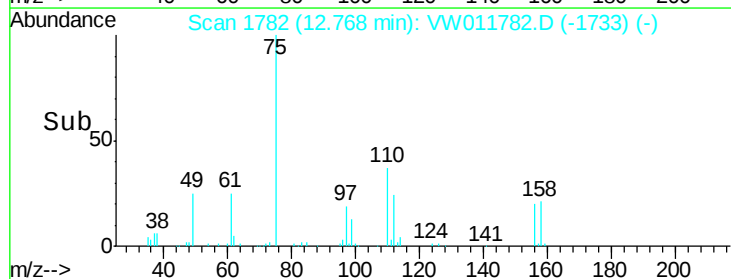
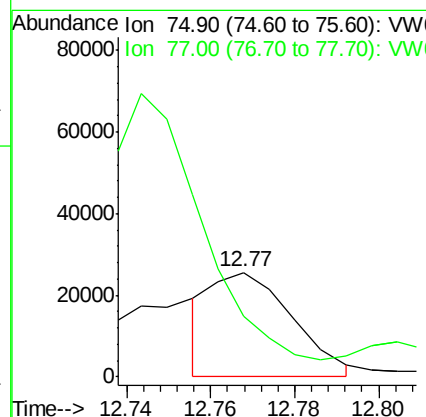
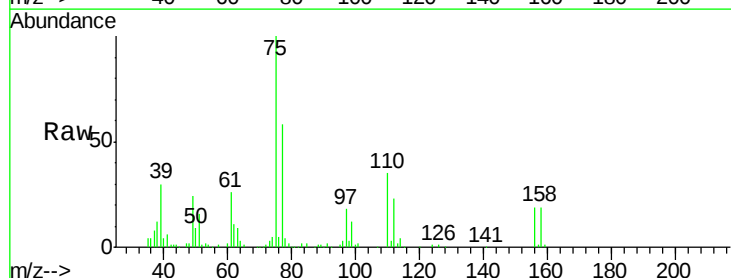
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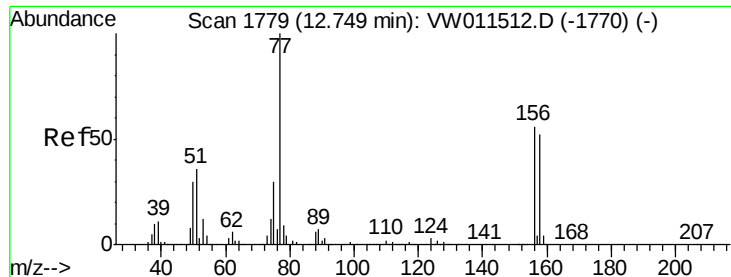
MMDadoda
 8/9/2019 10:55:16 AM



#76
 1,2,3-Trichloropropane
 Concen: 20.759 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34477		
77	0.0		0.0	0.0





#77

Bromobenzene

Concen: 22.484 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

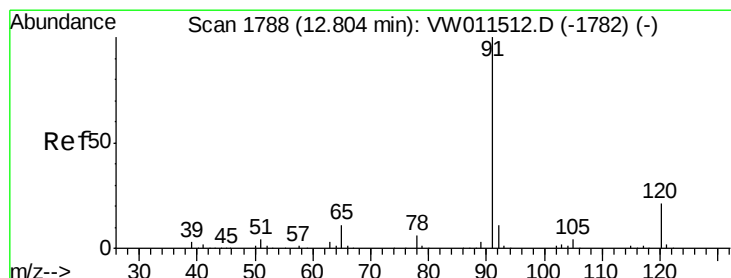
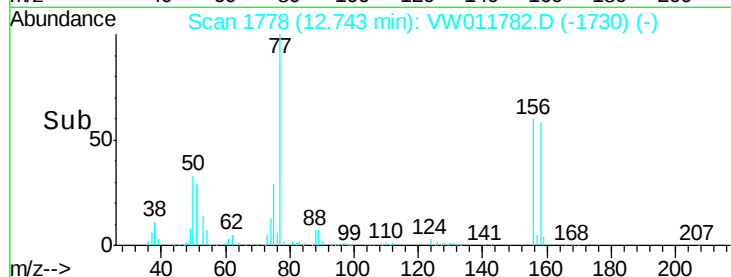
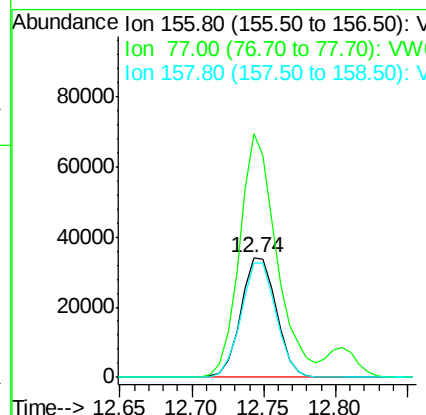
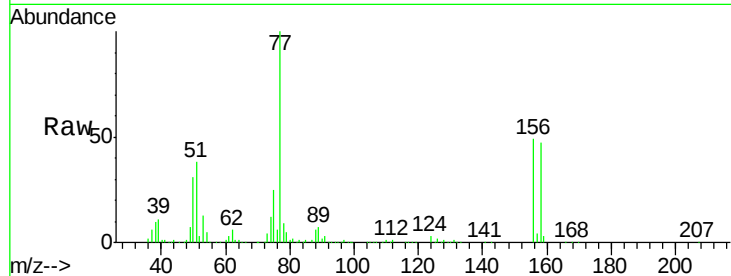
ClientSampled :

VW0810SBS01

Tot Ion:	156	Resp:	58192
Ion Ratio	Lower	Upper	
156	100		
77	213.3	106.5	319.4
158	94.7	48.0	144.2

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#78

n-propylbenzene

Concen: 21.993 ug/l

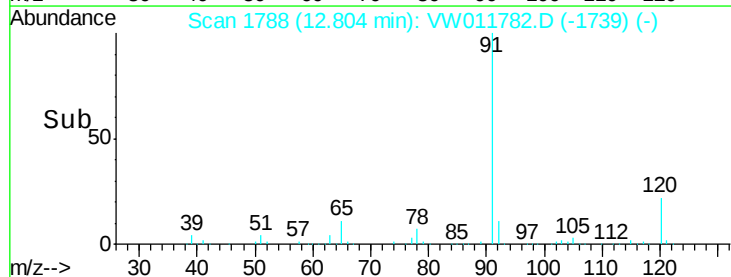
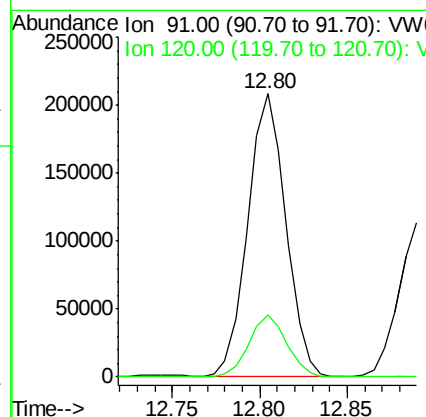
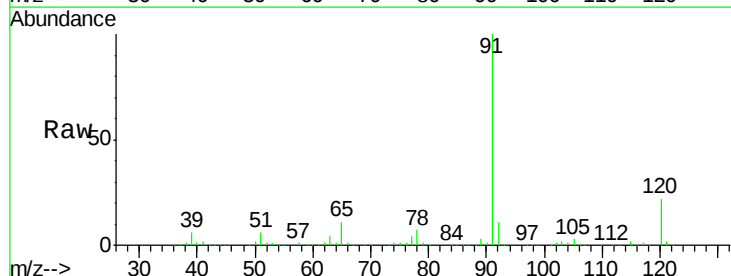
RT: 12.80 min Scan# 1788

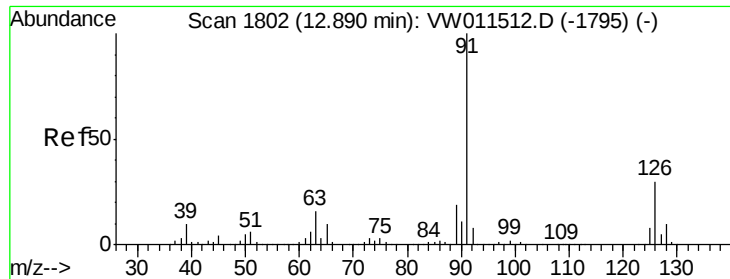
Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Tgt Ion:	91	Resp:	313412
Ion Ratio	Lower	Upper	
91	100		
120	21.7	10.9	32.7





#79

2-Chlorotoluene

Concen: 22.267 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

ClientSampleId :

VW0810SBS01

Tot Ion: 91 Resp: 182803

Ion Ratio Lower Upper

91 100

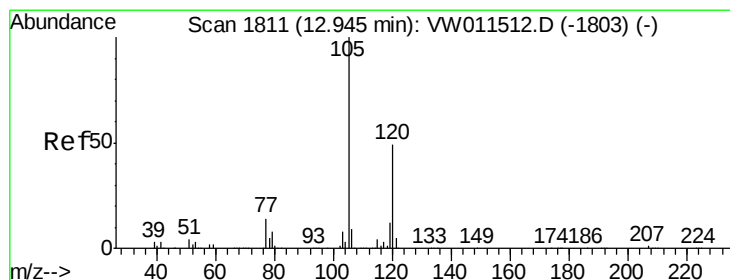
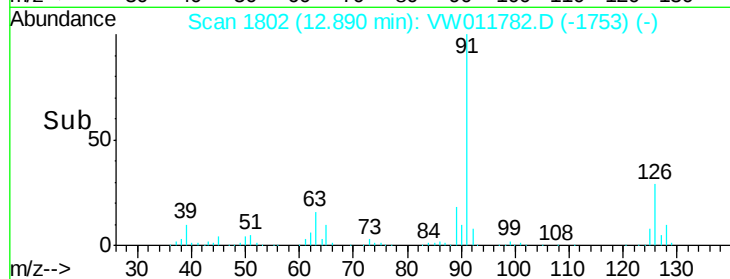
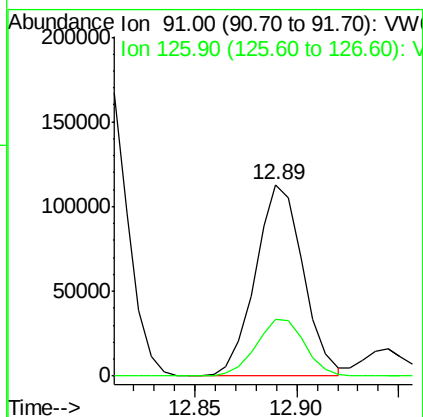
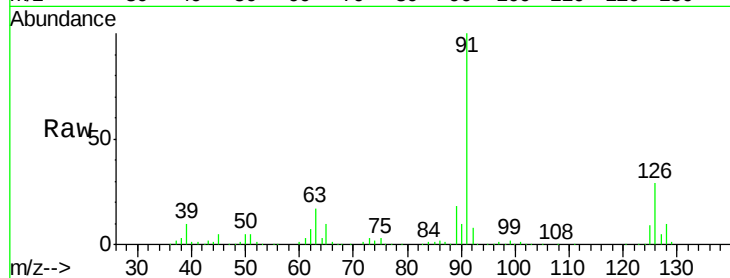
126 30.5 15.7 47.1

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#80

1,3,5-Trimethylbenzene

Concen: 22.472 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011782.D

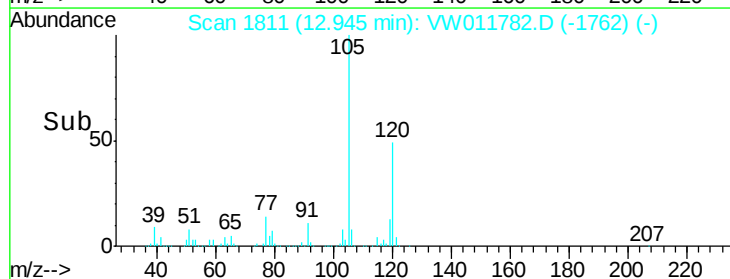
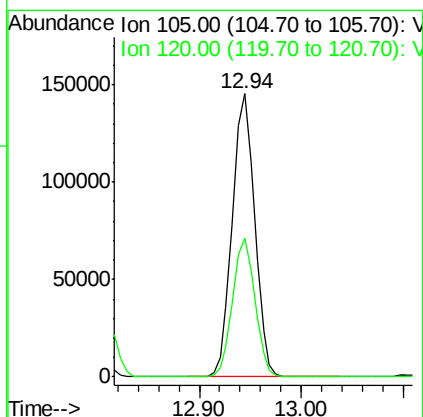
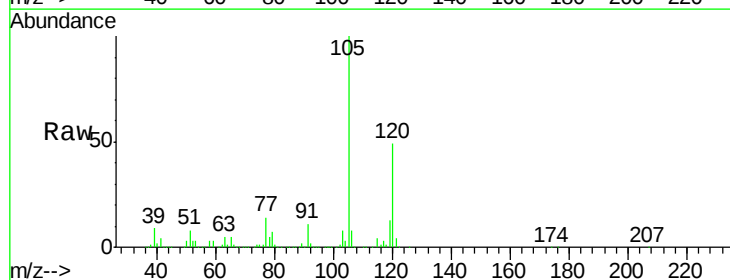
Acq: 08 Aug 2019 21:37

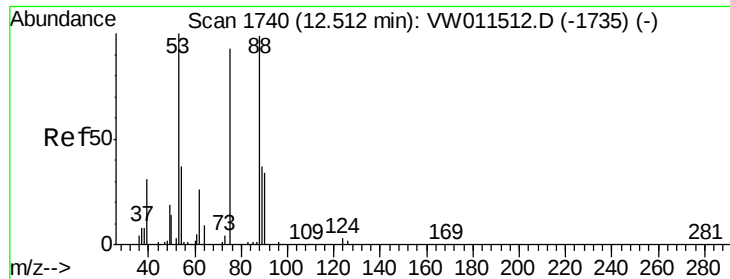
Tgt Ion: 105 Resp: 220576

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.3





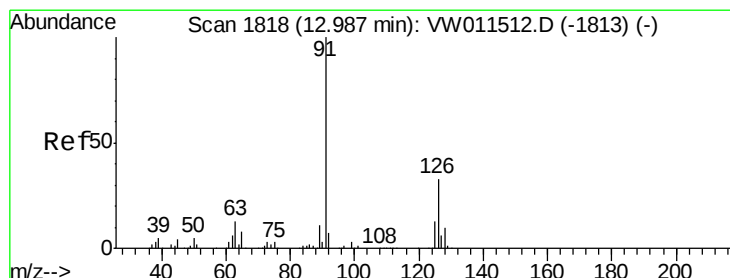
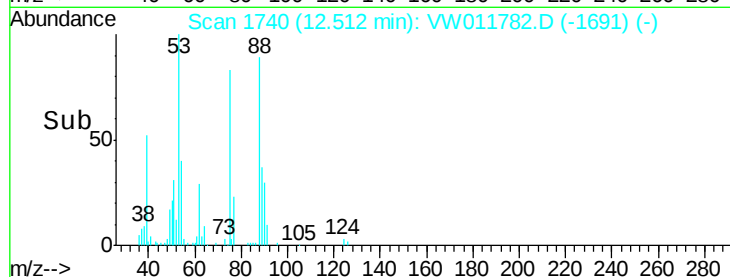
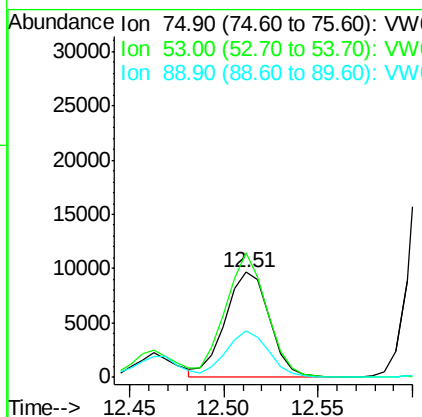
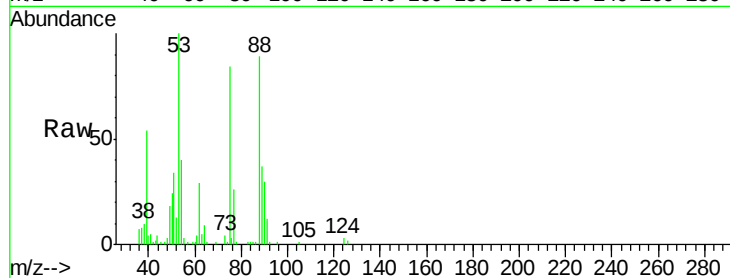
#81
trans-1,4-Dichloro-2-butene
Concen: 21.595 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampled :
VW0810SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.2	88.0	132.0
89	43.3	35.3	52.9

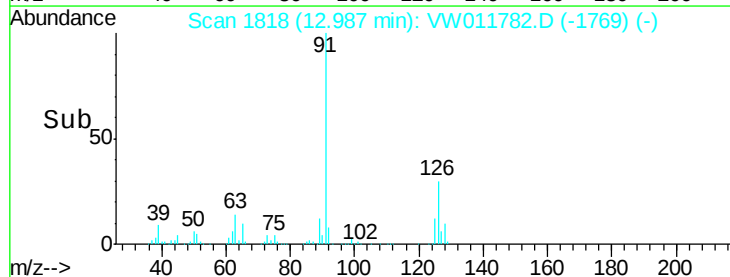
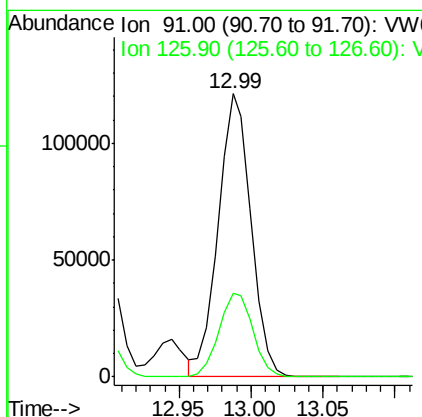
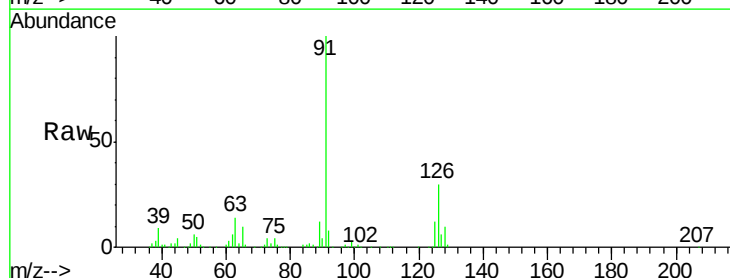
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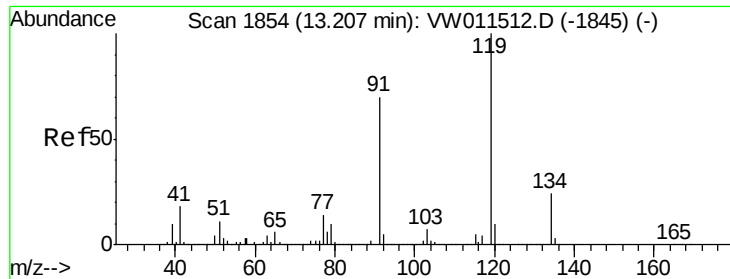
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#82
4-Chlorotoluene
Concen: 22.317 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.8





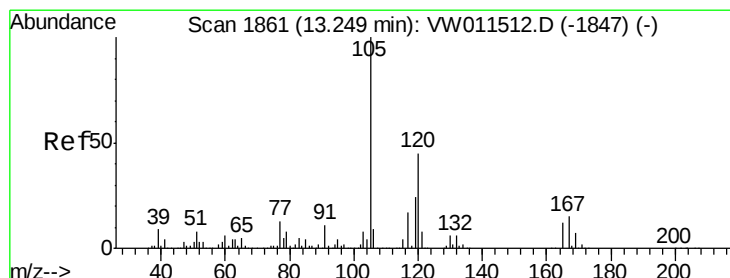
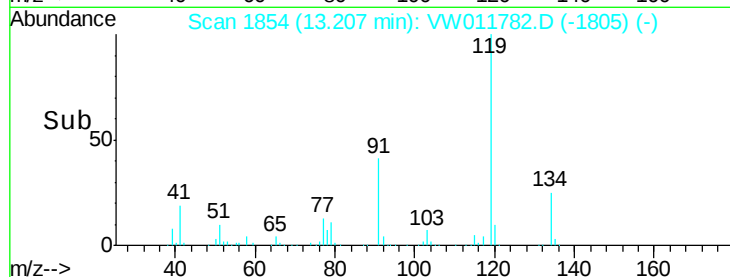
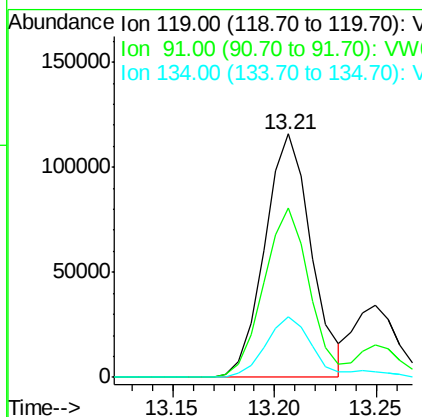
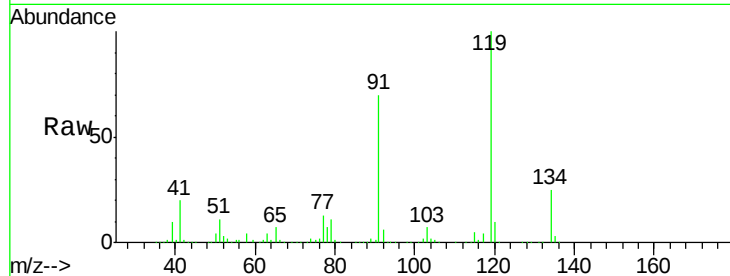
#83
tert-Butylbenzene
Concen: 22.422 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	184044		
91	68.2	34.5	103.6	
134	24.5	12.4	37.4	

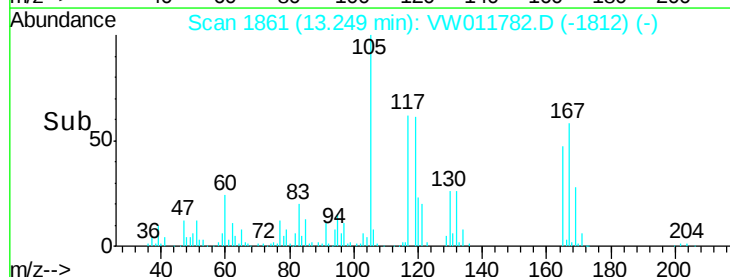
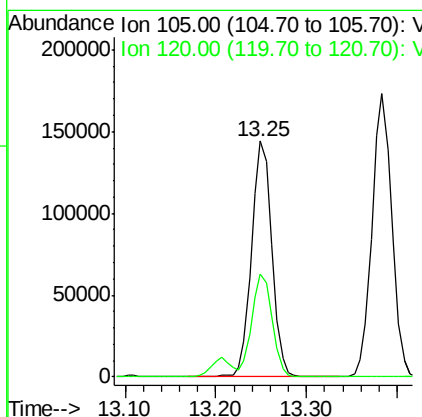
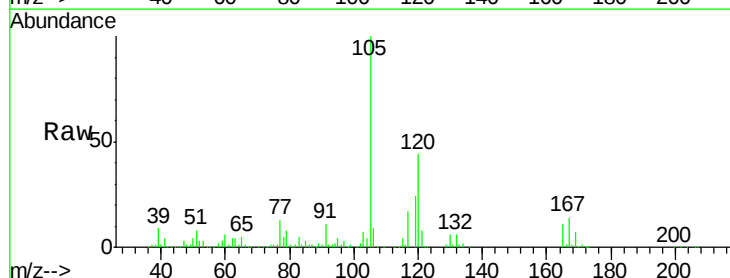
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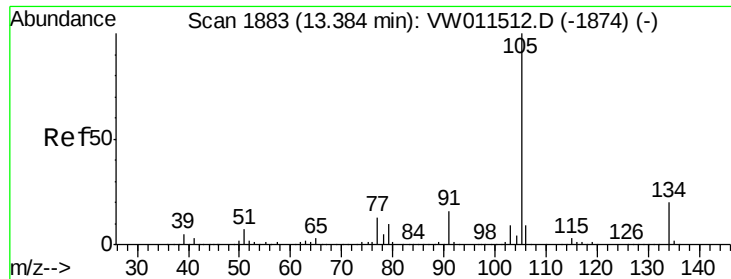
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.646 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	223917		
120	43.5	22.1	66.5	





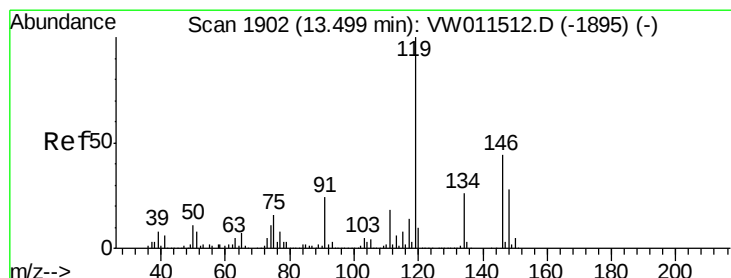
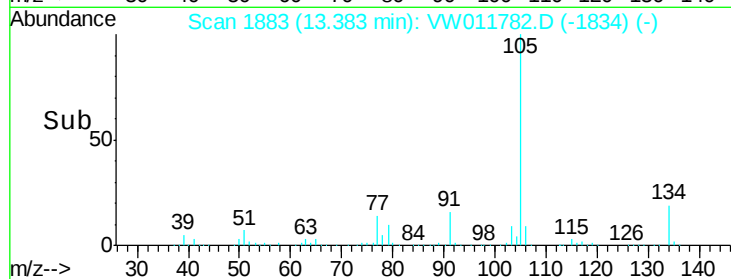
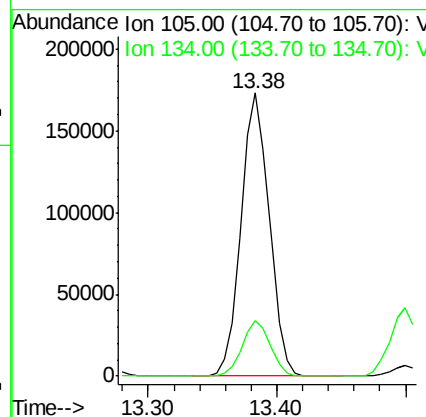
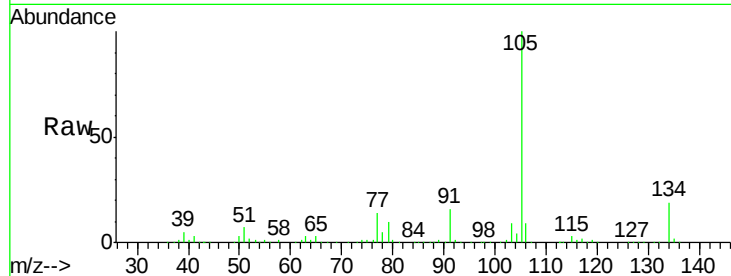
#85
 sec-Butylbenzene
 Concen: 22.375 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

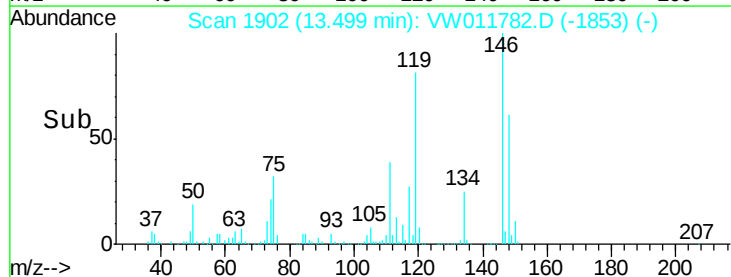
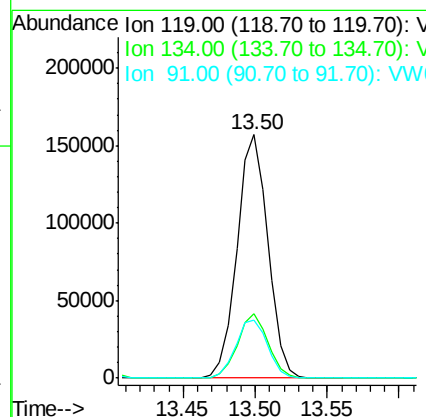
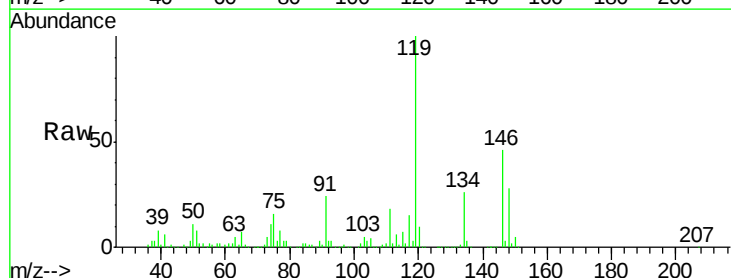
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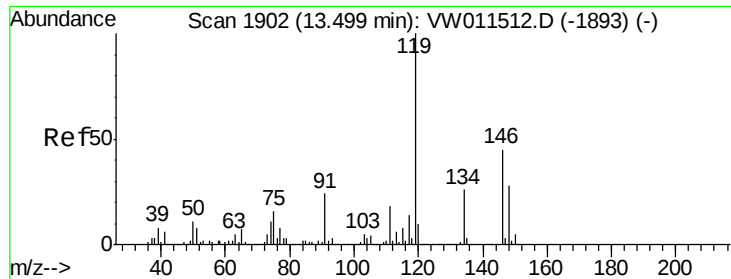
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#86
 p-Isopropyltoluene
 Concen: 22.003 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.8	38.4
91	24.7	12.1	36.3





#87

1,3-Dichlorobenzene

Concen: 22.069 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

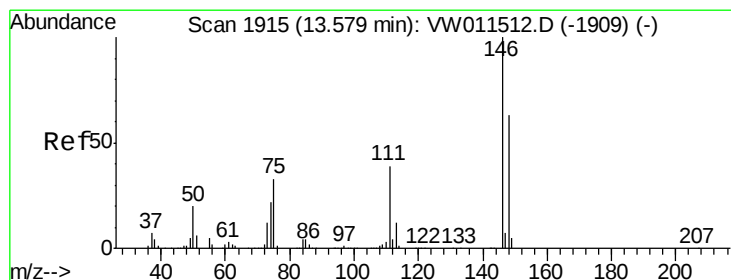
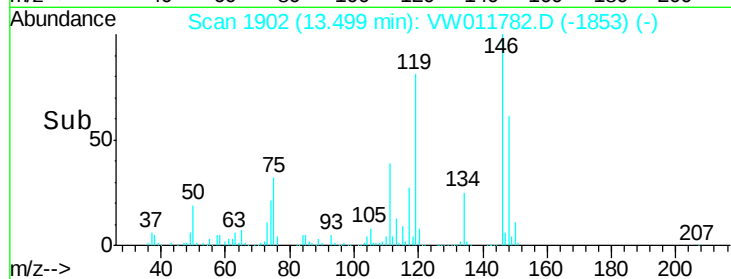
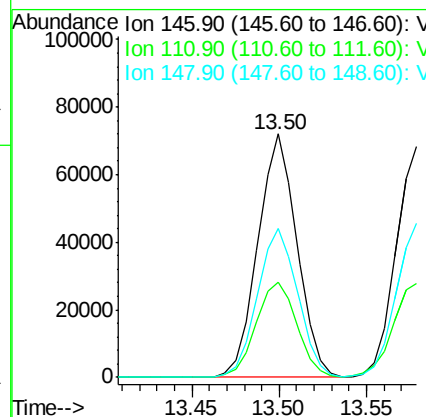
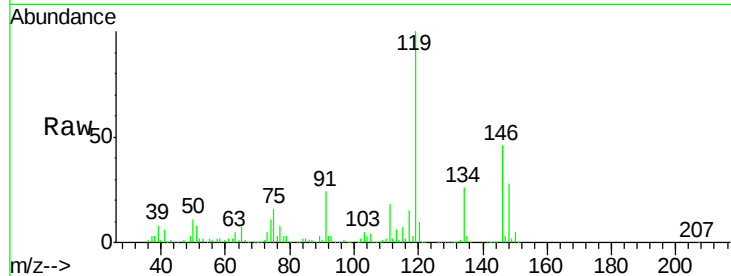
Instrument :
MSVOA_W

ClientSampleId :
VW0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	111995		
111	40.9	20.5	61.6	
148	63.0	31.8	95.3	

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#88

1,4-Dichlorobenzene

Concen: 21.857 ug/l

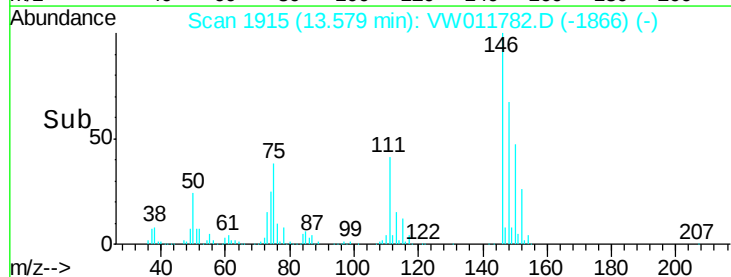
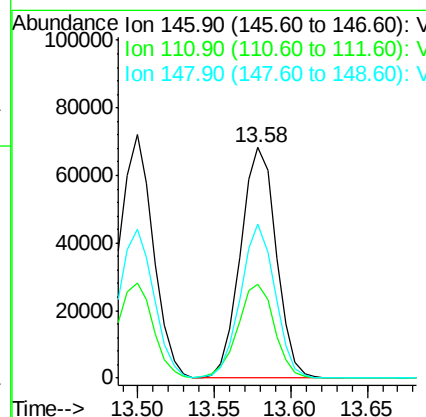
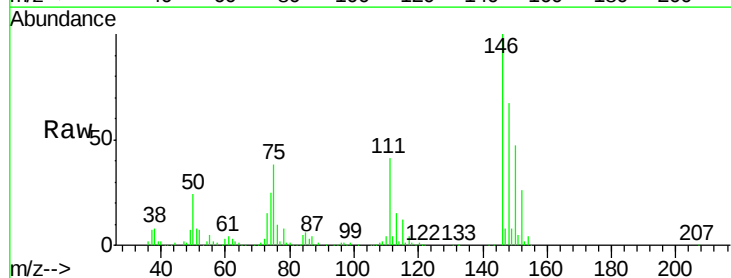
RT: 13.58 min Scan# 1915

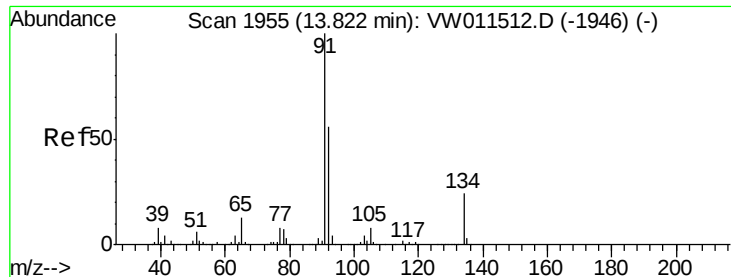
Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	110340		
111	42.0	20.1	60.2	
148	64.6	31.9	95.9	





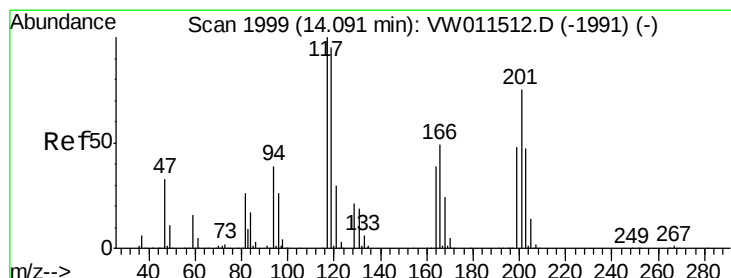
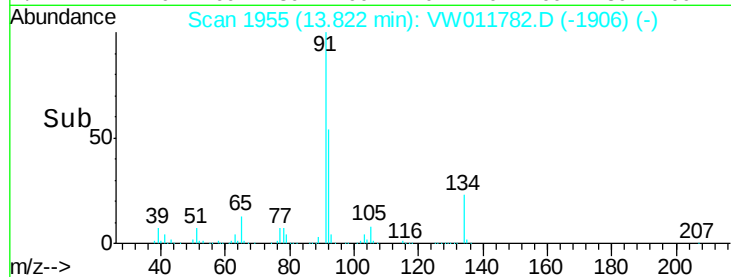
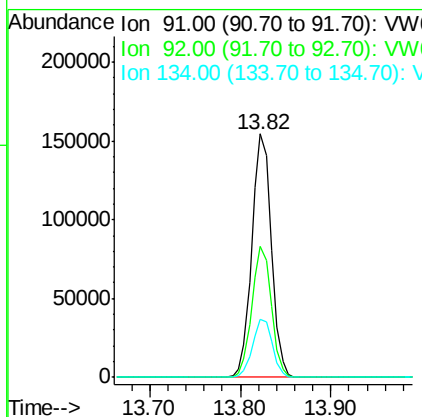
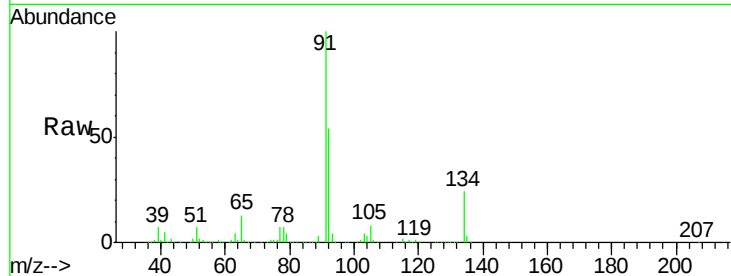
#89
n-Butylbenzene
Concen: 21.742 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Instrument :
MSVOA_W
ClientSampleId :
VW0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	230567		
92	53.8		27.5	82.4
134	24.2		12.2	36.6

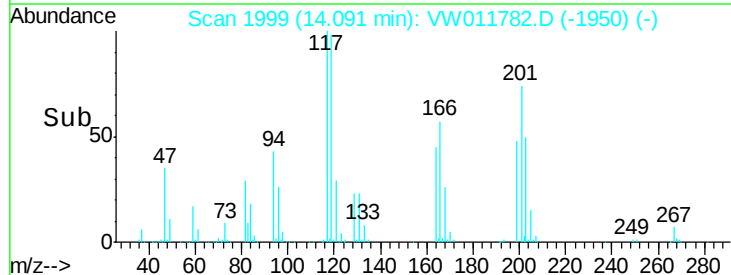
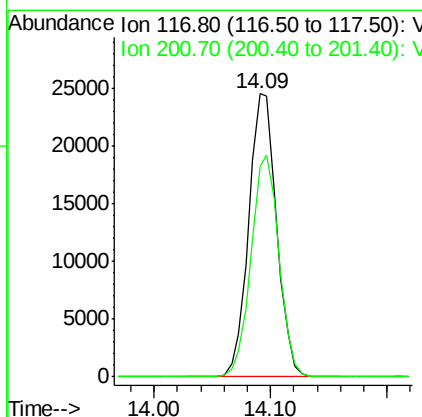
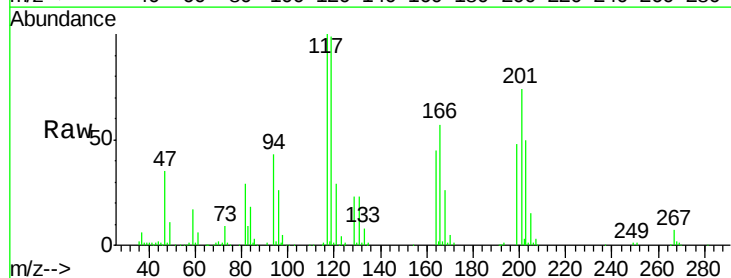
Manual Integrations
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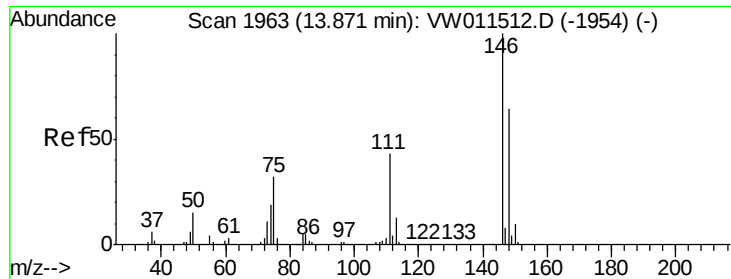
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#90
Hexachloroethane
Concen: 21.818 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011782.D
Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40997		
201	78.5		39.4	118.2





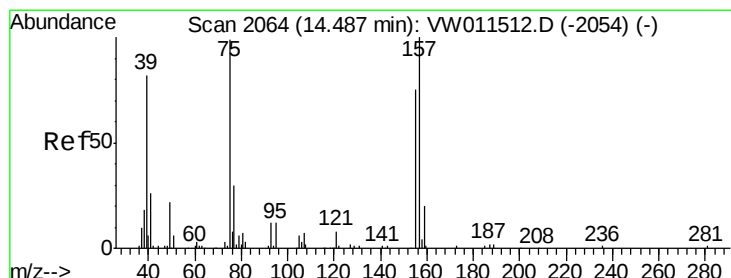
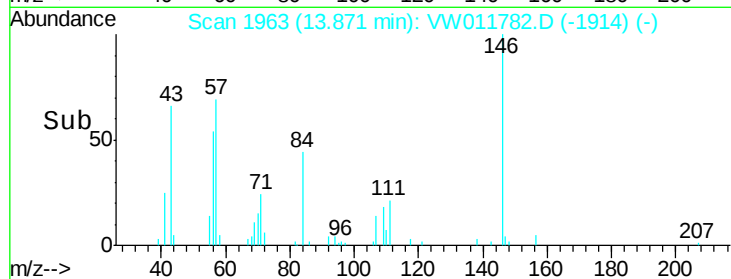
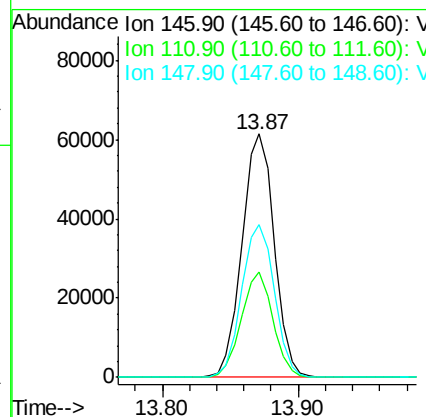
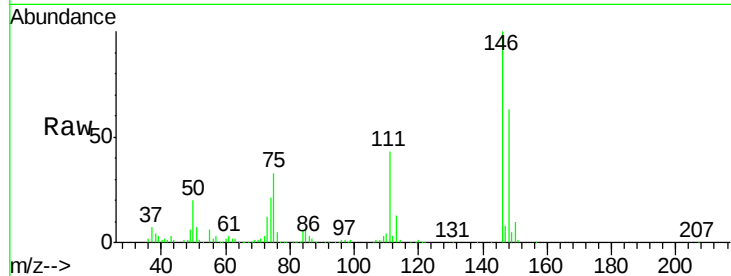
#91
 1,2-Dichlorobenzene
 Concen: 22.663 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	101719		
111	42.3	21.6	65.0	
148	63.5	32.0	96.2	

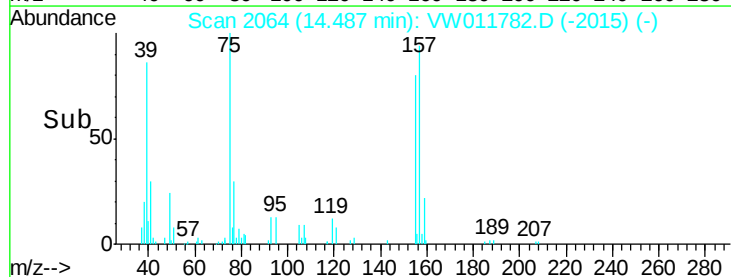
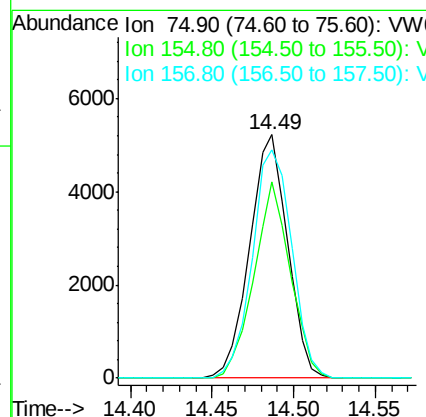
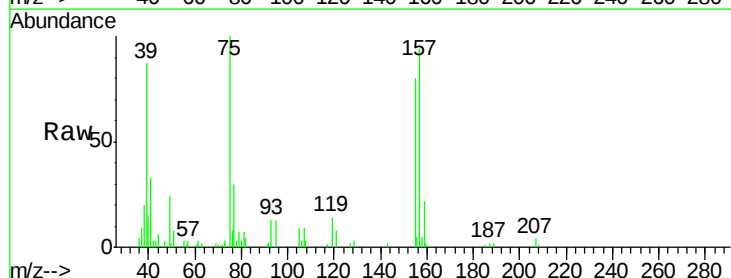
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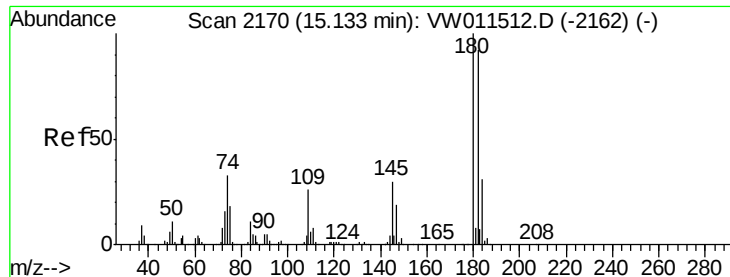
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.519 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8458		
155	77.3	38.2	114.6	
157	97.6	48.9	146.7	





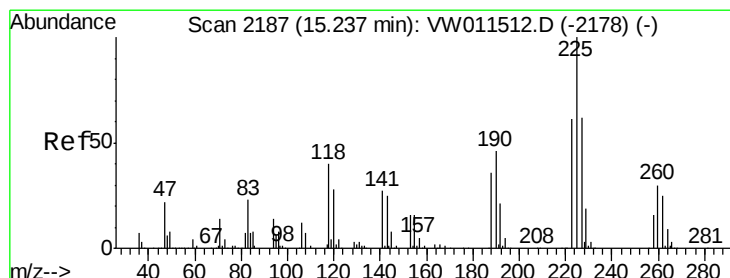
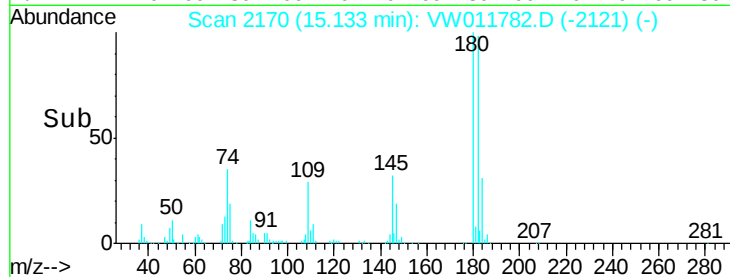
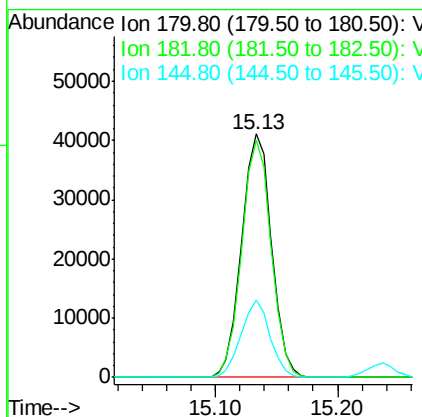
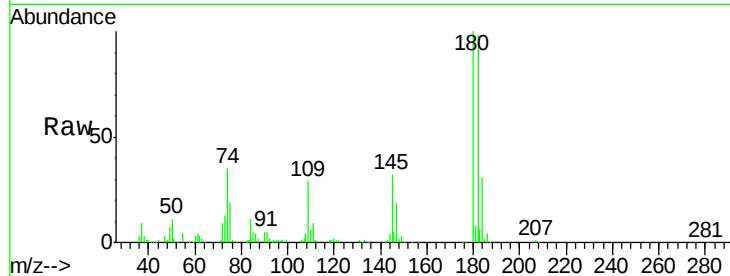
#93
 1,2,4-Trichlorobenzene
 Concen: 22.051 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0810SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69754		
182	95.8	47.4	142.2	
145	30.8	15.4	46.1	

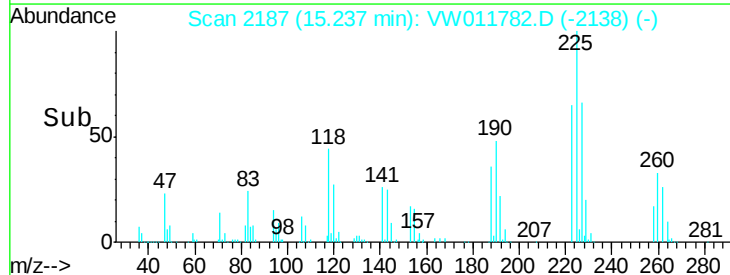
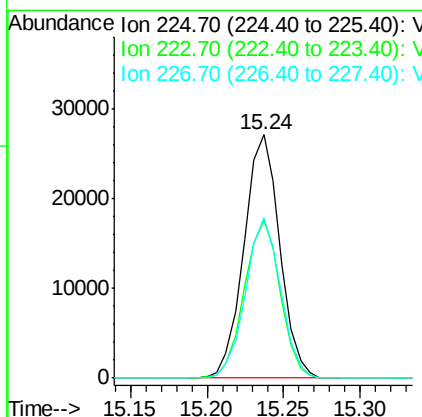
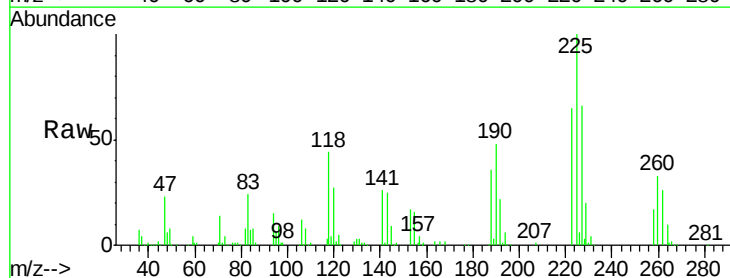
Manual Integrations
 APPROVED

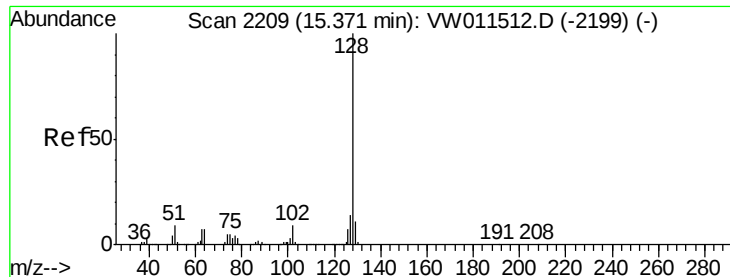
MMDadoda
 8/9/2019 10:55:16 AM



#94
 Hexachlorobutadiene
 Concen: 22.383 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011782.D
 Acq: 08 Aug 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44154		
223	64.8	30.8	92.3	
227	64.4	31.6	94.7	





#95

Naphthalene

Concen: 20.816 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Instrument :

MSVOA_W

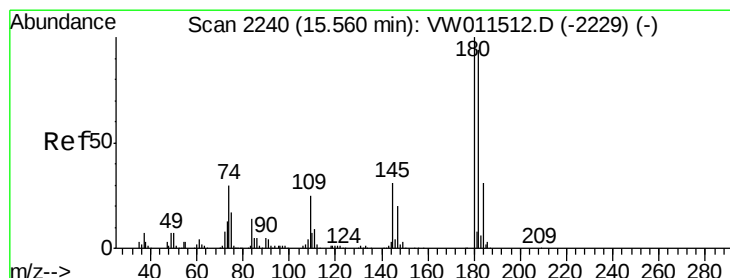
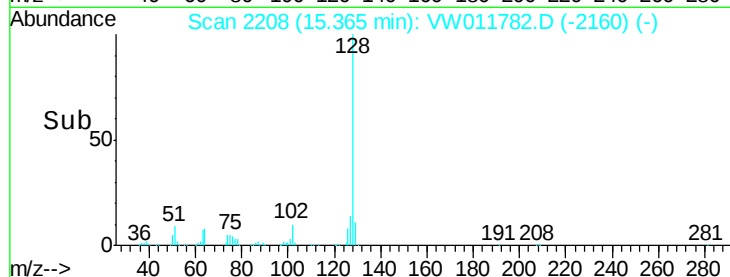
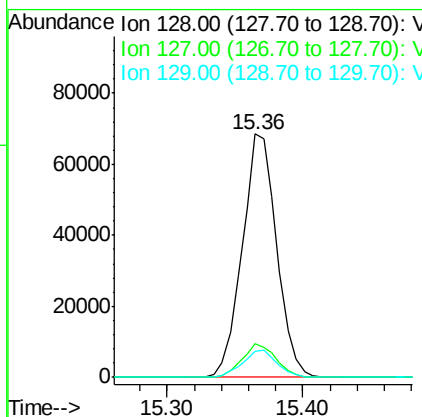
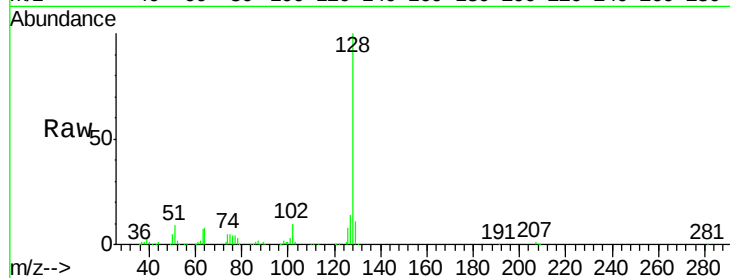
ClientSampleId :

VW0810SBS01

Tot Ion:	128	Resp:	121189
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/9/2019 10:55:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.708 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011782.D

Acq: 08 Aug 2019 21:37

Tgt Ion:	180	Resp:	60193
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.4	142.2
145	32.4	15.9	47.7

