

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008644.D
 Acq On : 13 Feb 2019 16:55
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 2:09:14 PM

Quant Time: Feb 14 04:15:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	408407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	615292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	549191	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	304582	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	217195	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
35) Dibromofluoromethane	7.88	113	195221	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.32	98	765405	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.62	95	290974	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	135300	51.724	ug/l	96
3) Chloromethane	2.21	50	224541	59.545	ug/l	100
4) Vinyl Chloride	2.37	62	284423	57.420	ug/l	97
5) Bromomethane	2.78	94	193925	49.477	ug/l	96
6) Chloroethane	2.92	64	187948	50.993	ug/l	99
7) Trichlorofluoromethane	3.25	101	219476	56.889	ug/l	98
8) Diethyl Ether	3.67	74	113806	49.433	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	203825	49.994	ug/l	97
10) Methyl Iodide	4.26	142	313692	49.297	ug/l	100
11) Tert butyl alcohol	5.18	59	78227	230.273	ug/l	100
12) 1,1-Dichloroethene	4.03	96	197616	49.564	ug/l	93
13) Acrolein	3.89	56	83071	237.341	ug/l	96
14) Allyl chloride	4.66	41	340973	51.473	ug/l	99
15) Acrylonitrile	5.36	53	237107	244.686	ug/l	98
16) Acetone	4.12	43	277745	287.463	ug/l	95
17) Carbon Disulfide	4.37	76	611191	50.796	ug/l	97
18) Methyl Acetate	4.66	43	105463	47.767	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	345234	49.324	ug/l	98
20) Methylene Chloride	4.90	84	203842	47.527	ug/l	92
21) trans-1,2-Dichloroethene	5.41	96	216069	49.484	ug/l	95
22) Diisopropyl ether	6.31	45	676604	50.748	ug/l	97
23) Vinyl Acetate	6.25	43	2197716	253.980	ug/l	100
24) 1,1-Dichloroethane	6.21	63	383269	49.818	ug/l	99
25) 2-Butanone	7.17	43	356589	261.369	ug/l	100
26) 2,2-Dichloropropane	7.17	77	252065	52.446	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	236638	50.119	ug/l	99
28) Bromochloromethane	7.51	49	172038	52.972	ug/l	99
29) Tetrahydrofuran	7.52	42	217279	241.625	ug/l	100
30) Chloroform	7.67	83	384326	49.855	ug/l	99
31) Cyclohexane	7.95	56	376055	48.428	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	332987	51.146	ug/l	99
36) 1,1-Dichloropropene	8.08	75	320150	51.790	ug/l	99
37) Ethyl Acetate	7.25	43	150787	50.566	ug/l	99
38) Carbon Tetrachloride	8.06	117	319737	52.015	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	409055	52.317	ug/l	98
40) Benzene	8.32	78	855036	50.645	ug/l	100
41) Methacrylonitrile	7.48	41	90059	53.678	ug/l	96
42) 1,2-Dichloroethane	8.40	62	266974	50.981	ug/l	100
43) Isopropyl Acetate	8.42	43	300938	50.612	ug/l	98
44) Trichloroethene	9.09	130	235189	50.243	ug/l	98
45) 1,2-Dichloropropane	9.37	63	212546	50.870	ug/l	97
46) Dibromomethane	9.45	93	113907	49.490	ug/l	97
47) Bromodichloromethane	9.64	83	284482	51.430	ug/l	100
48) Methyl methacrylate	9.43	41	144378	52.394	ug/l	98
49) 1,4-Dioxane	9.45	88	36540	994.581	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	779366	255.160	ug/l	100
52) Toluene	10.38	92	562841	51.677	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	303697	52.262	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	346822	52.650	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	156225	49.468	ug/l	97
56) Ethyl methacrylate	10.65	69	220173	52.503	ug/l	99
57) 1,3-Dichloropropane	10.93	76	284619	50.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	506461	251.764	ug/l	100
59) 2-Hexanone	10.97	43	567099	264.292	ug/l	100
60) Dibromochloromethane	11.13	129	191364	50.643	ug/l	100
61) 1,2-Dibromoethane	11.23	107	156418	50.304	ug/l	100
64) Tetrachloroethene	10.86	164	201886	49.433	ug/l	94
65) Chlorobenzene	11.66	112	603180	50.957	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	214605	51.178	ug/l	99
67) Ethyl Benzene	11.73	91	1108802	52.586	ug/l	99
68) m/p-Xylenes	11.84	106	856760	104.430	ug/l	98
69) o-Xylene	12.16	106	404287	52.133	ug/l	98
70) Styrene	12.18	104	666334	52.606	ug/l	99
71) Bromoform	12.35	173	119626	52.946	ug/l #	100
73) Isopropylbenzene	12.46	105	1146801	50.547	ug/l	100
74) N-amyl acetate	12.27	43	309904	50.513	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	193063	48.909	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	140807m	46.817	ug/l	
77) Bromobenzene	12.75	156	256061	49.099	ug/l	99
78) n-propylbenzene	12.80	91	1383889	51.337	ug/l	99
79) 2-Chlorotoluene	12.90	91	781679	51.307	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	952944	50.568	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	64920	47.713	ug/l	98
82) 4-Chlorotoluene	12.99	91	824282	51.052	ug/l	99
83) tert-Butylbenzene	13.21	119	836061	51.094	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	989073	51.066	ug/l	99
85) sec-Butylbenzene	13.38	105	1235419	51.852	ug/l	99
86) p-Isopropyltoluene	13.50	119	1095573	51.400	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	525364	49.693	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	521047	50.007	ug/l	99
89) n-Butylbenzene	13.83	91	1054357	52.054	ug/l	99
90) Hexachloroethane	14.10	117	195529	52.507	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	465457	49.692	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	35431	51.653	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	331426	49.706	ug/l	99
94) Hexachlorobutadiene	15.24	225	196632	50.662	ug/l	98
95) Naphthalene	15.37	128	599774	50.194	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	283547	49.557	ug/l	99

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

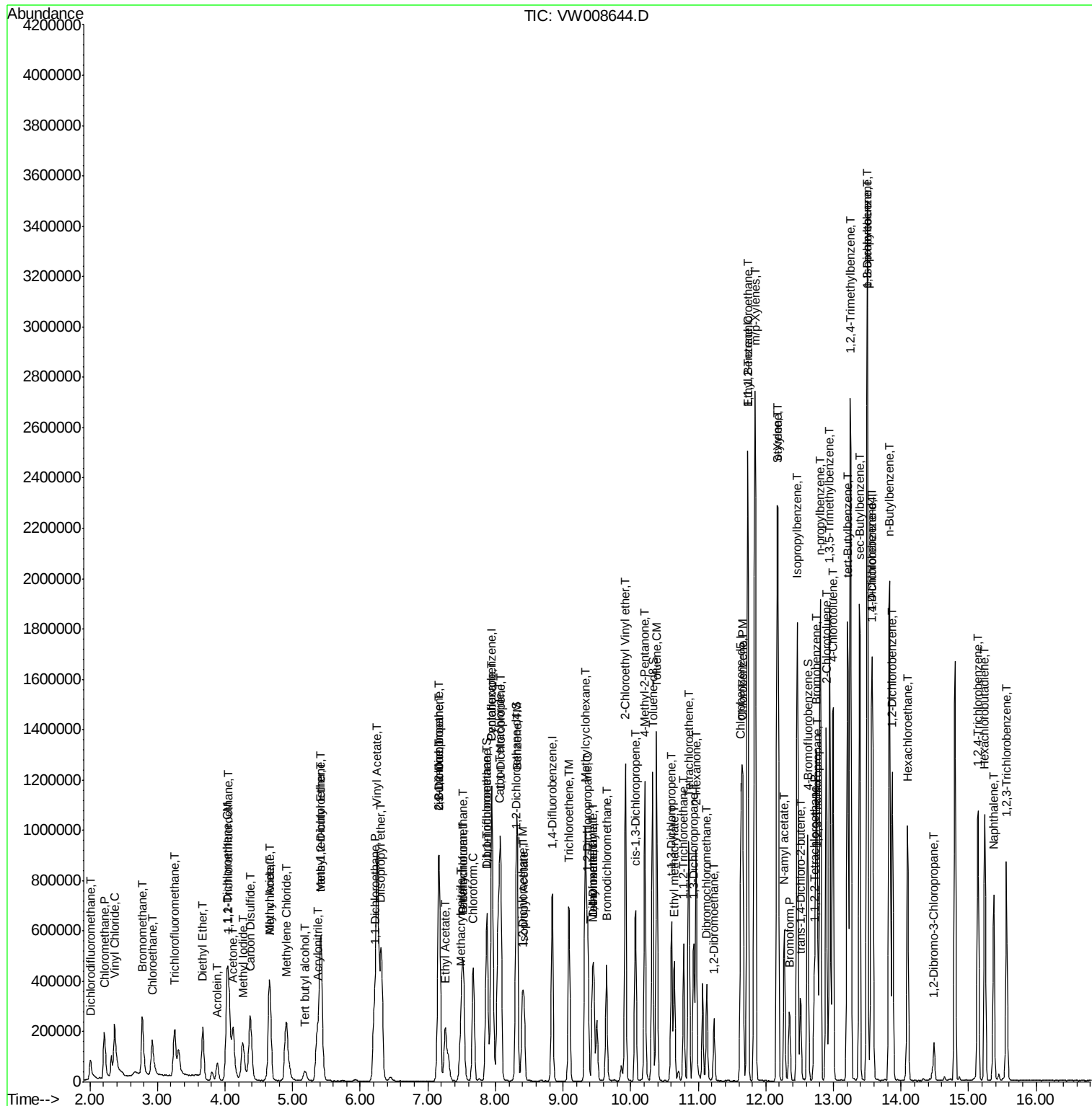
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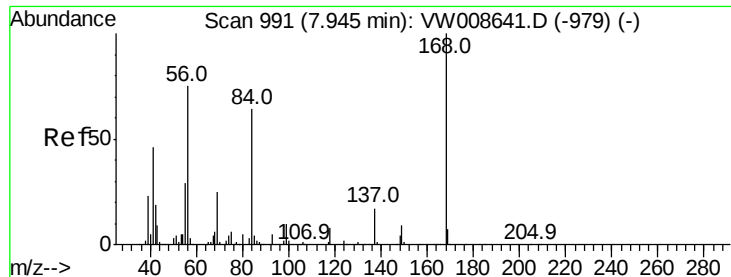
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

Tot Ion:168 Resp: 408407

Ion Ratio Lower Upper

168 100

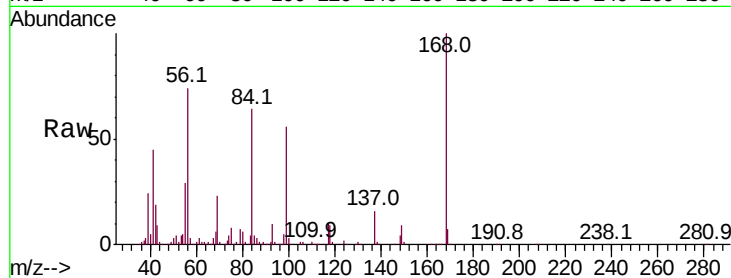
99 55.6 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

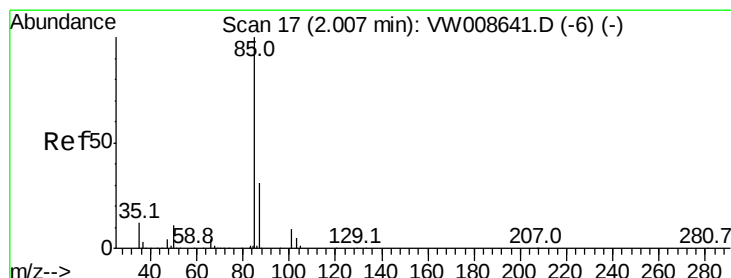
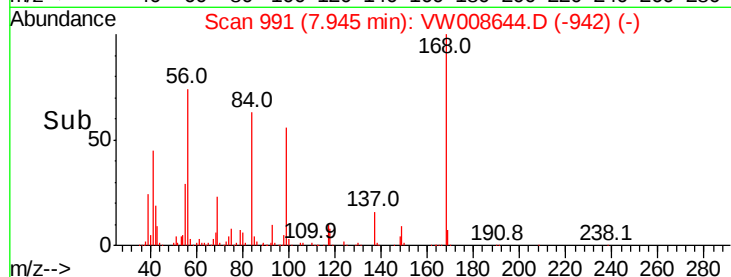
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 51.724 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008644.D

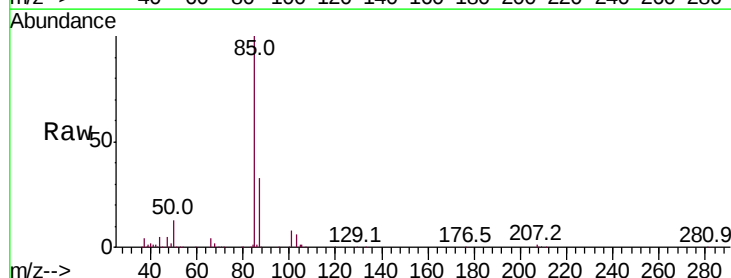
Acq: 13 Feb 2019 16:55

Tgt Ion: 85 Resp: 135300

Ion Ratio Lower Upper

85 100

87 33.3 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

50000

40000

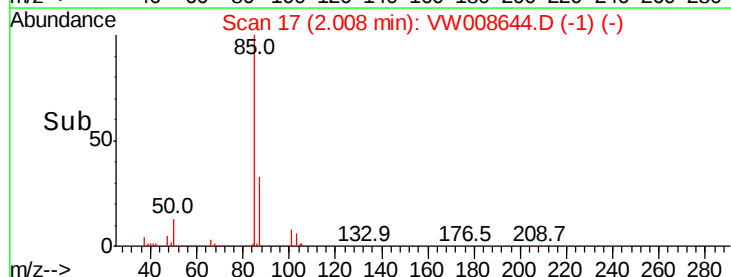
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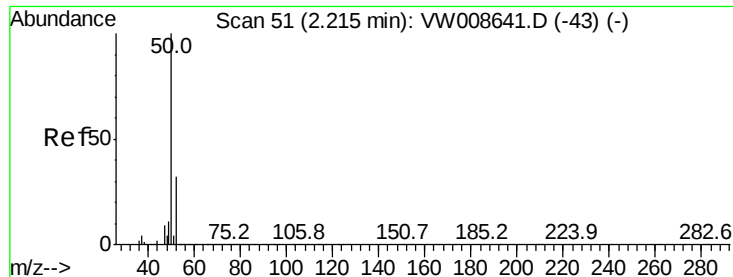
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 59.545 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

Tot Ion: 50 Resp: 224541

Ion Ratio Lower Upper

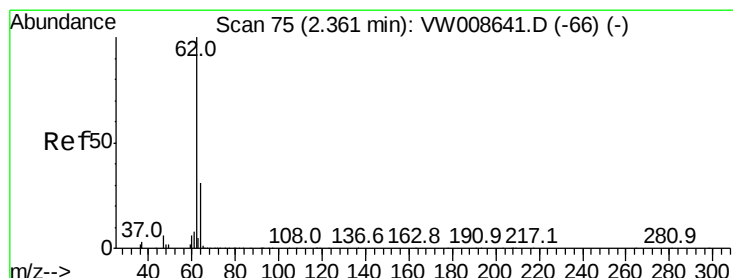
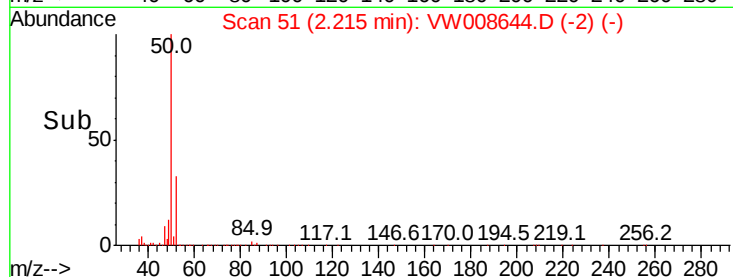
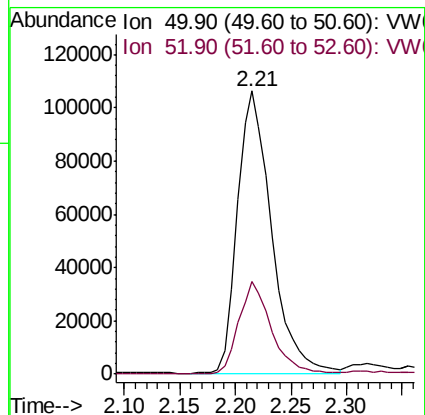
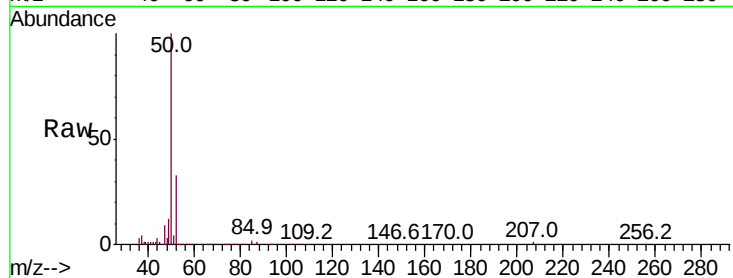
50 100

52 32.7 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 57.420 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW008644.D

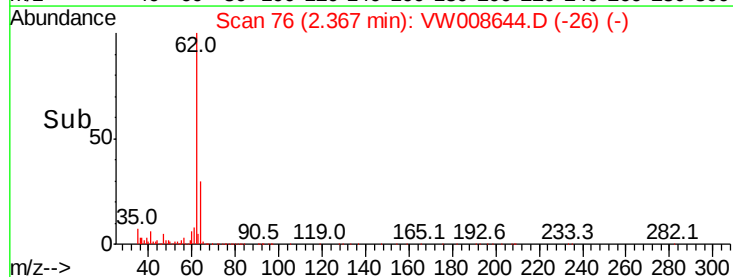
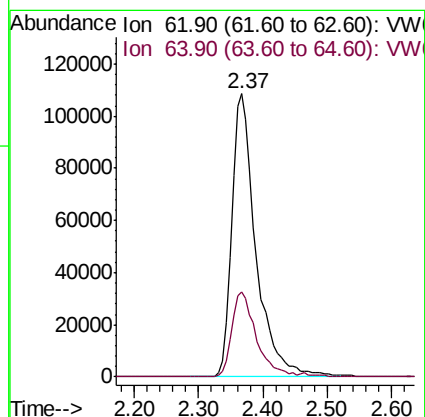
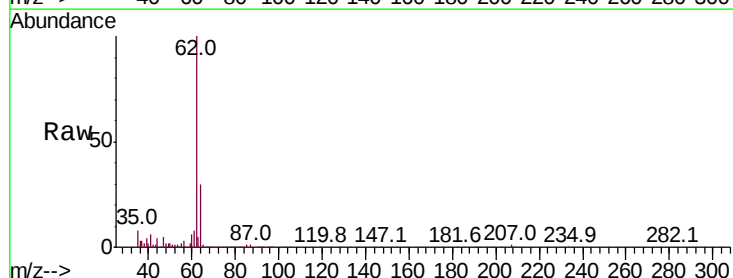
Acq: 13 Feb 2019 16:55

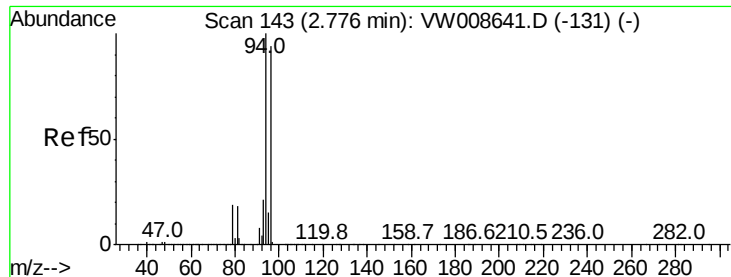
Tgt Ion: 62 Resp: 284423

Ion Ratio Lower Upper

62 100

64 30.0 25.1 37.7





#5

Bromomethane

Concen: 49.477 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

Tot Ion: 94 Resp: 193925

Ion Ratio Lower Upper

94 100

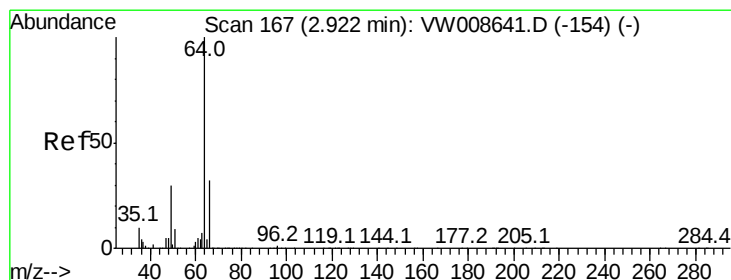
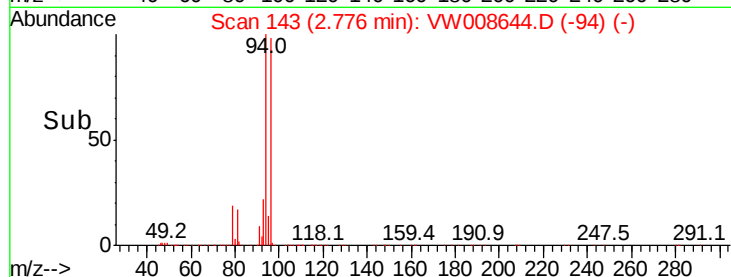
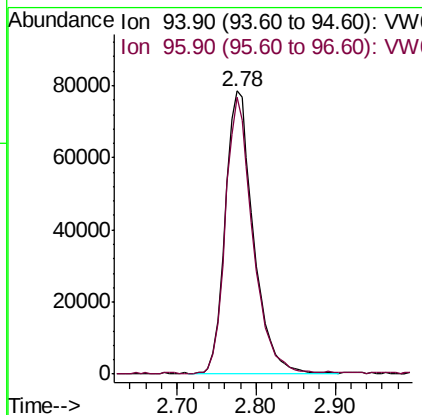
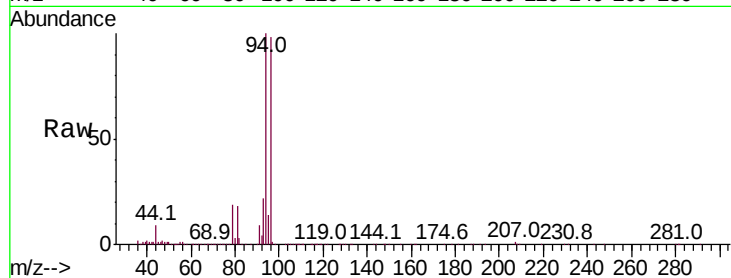
96 98.0 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 50.993 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008644.D

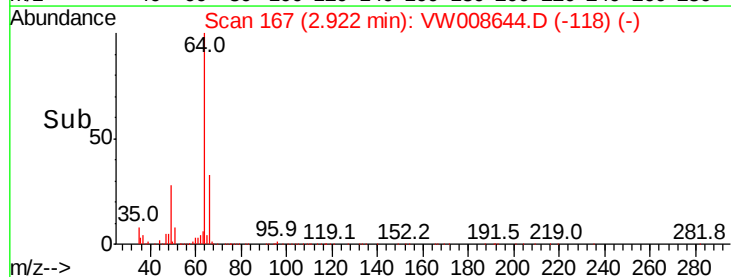
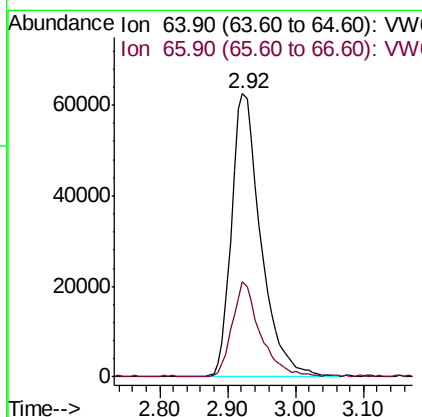
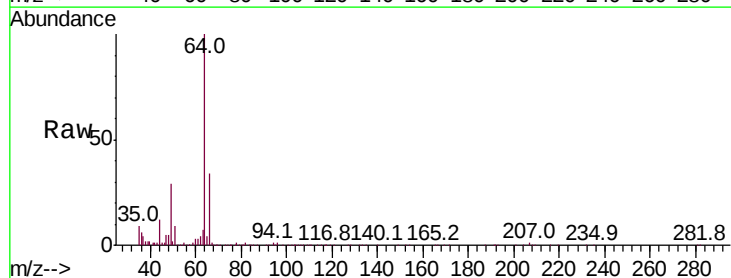
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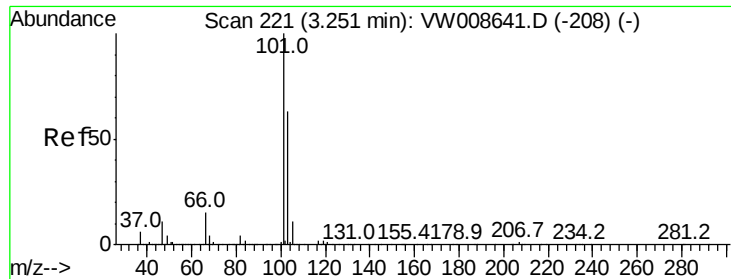
Tgt Ion: 64 Resp: 187948

Ion Ratio Lower Upper

64 100

66 33.6 26.2 39.4





#7

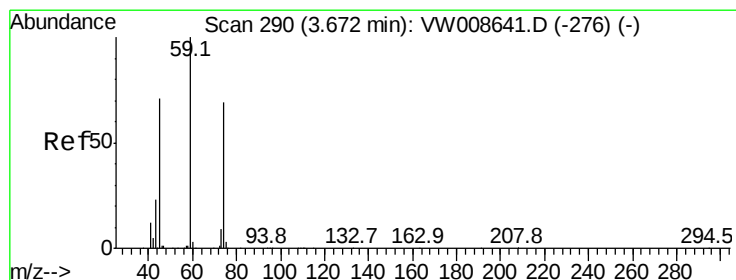
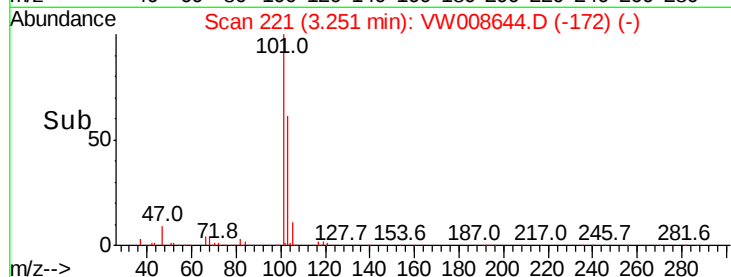
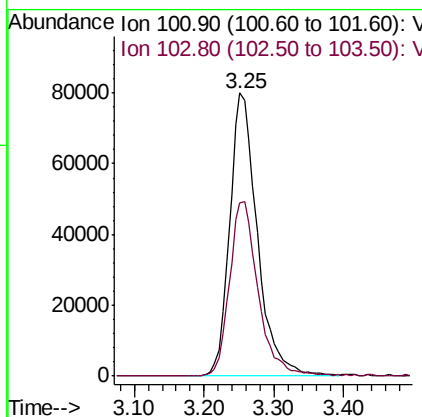
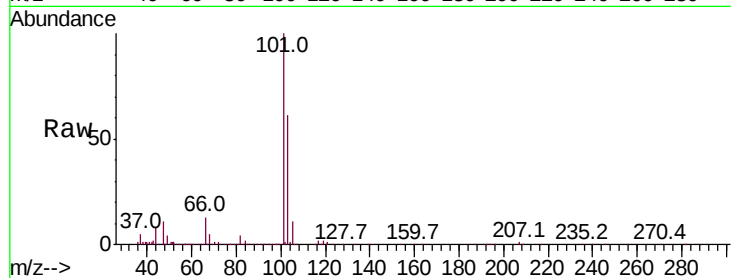
Trichlorofluoromethane
Concen: 56.889 ug/l
RT: 3.25 min Scan# 221
Delta R.T. 0.00 min
Lab File: VW008644.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.3	50.5	75.7

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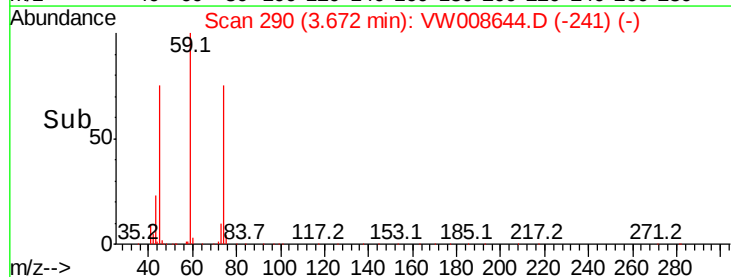
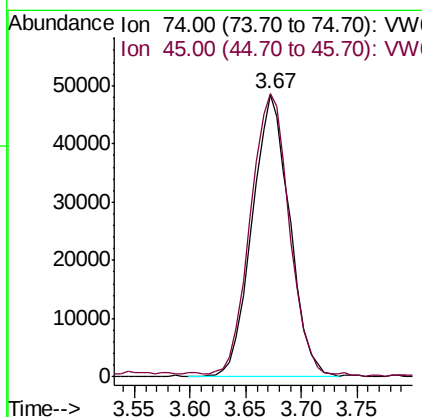
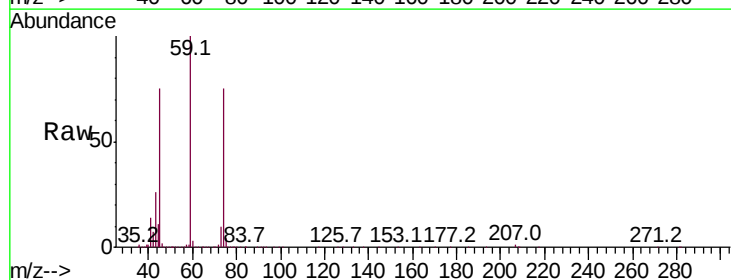
MMDadoda
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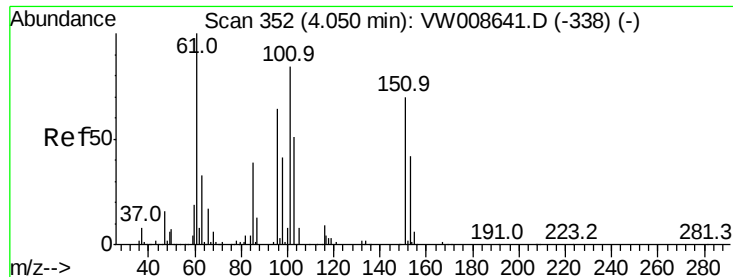


#8

Diethyl Ether
Concen: 49.433 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.8	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.994 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

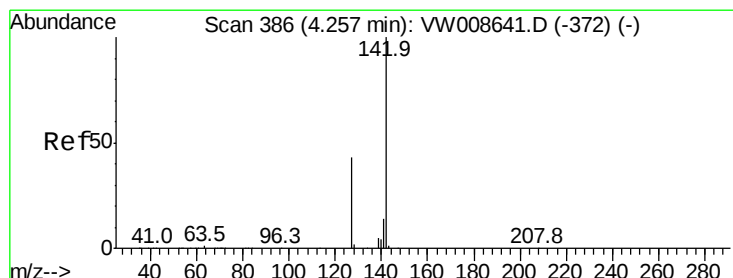
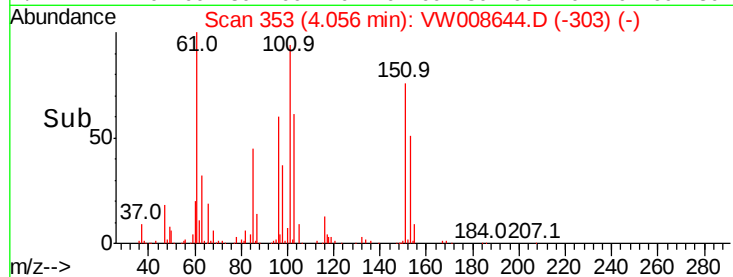
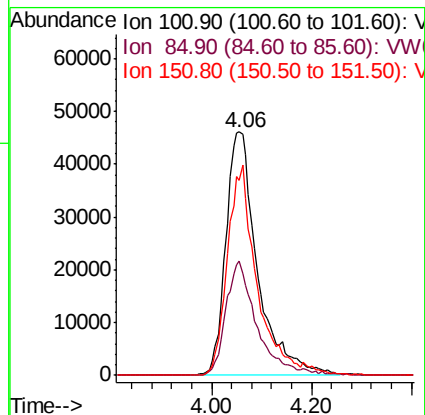
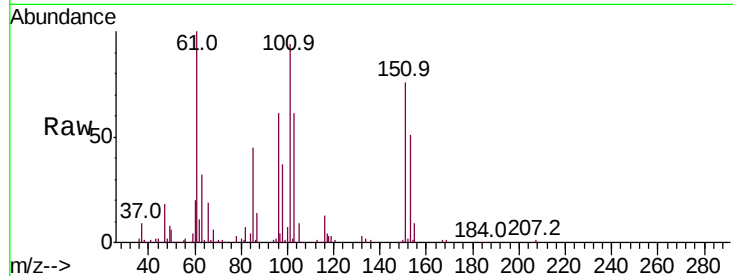
ClientSampleId :

ICVW021319

Tot Ion:	101	Resp:	203825
Ion Ratio	Lower	Upper	
101	100		
85	45.0	34.3	51.5
151	78.8	65.6	98.4

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#10

Methyl Iodide

Concen: 49.297 ug/l

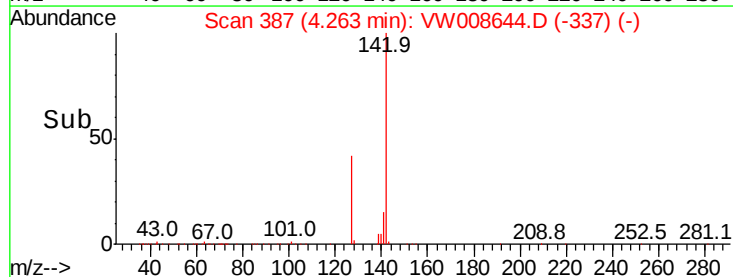
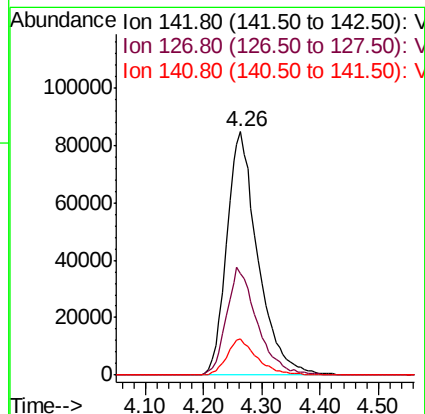
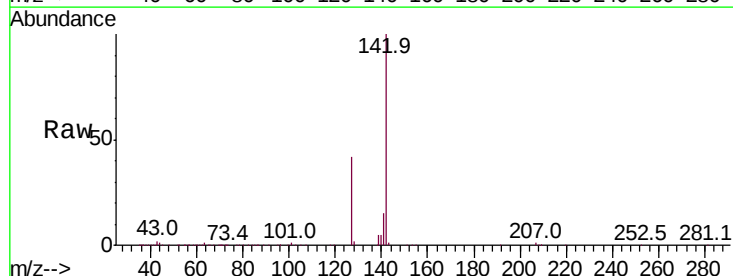
RT: 4.26 min Scan# 387

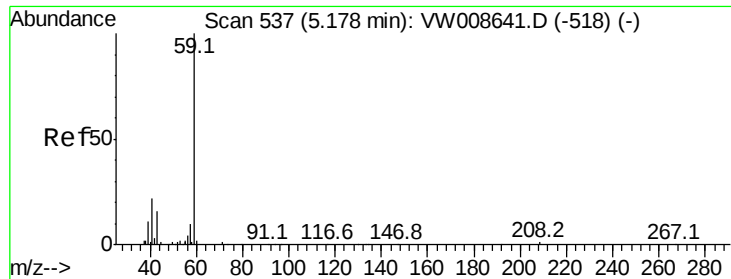
Delta R.T. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tgt Ion:	142	Resp:	313692
Ion Ratio	Lower	Upper	
142	100		
127	43.7	34.8	52.2
141	14.5	11.8	17.8





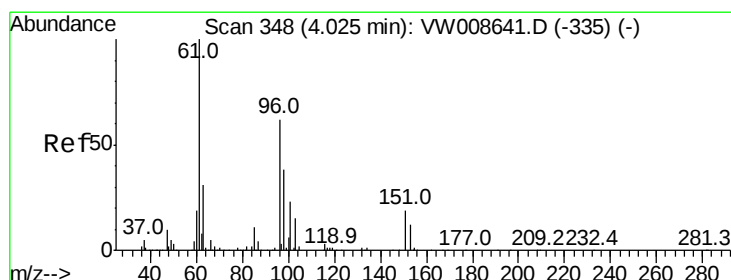
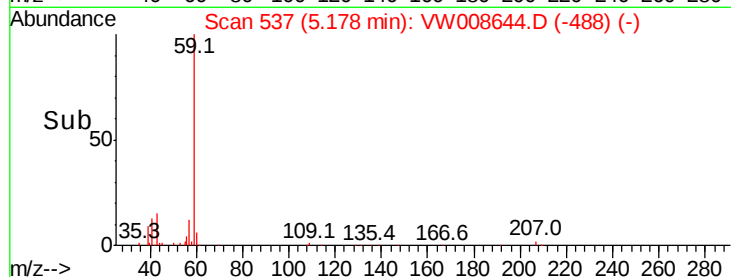
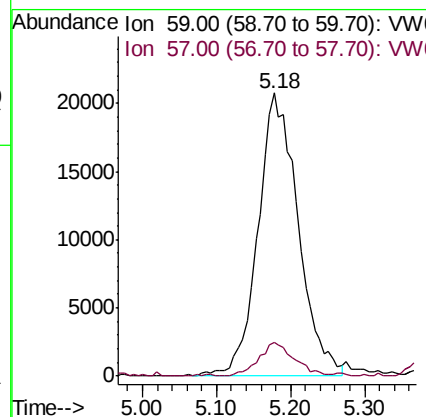
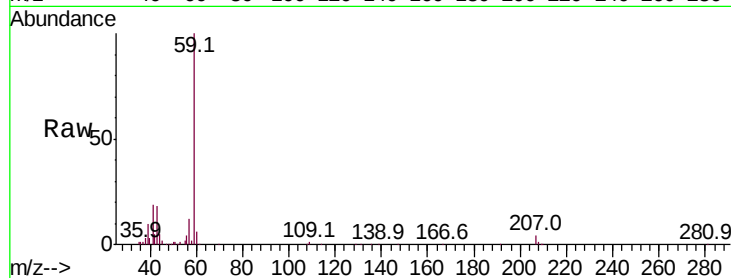
#11
Tert butyl alcohol
Concen: 230.273 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

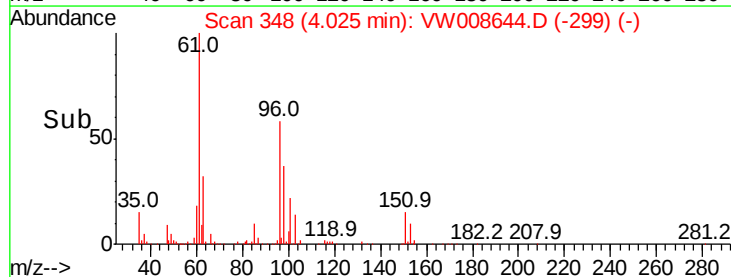
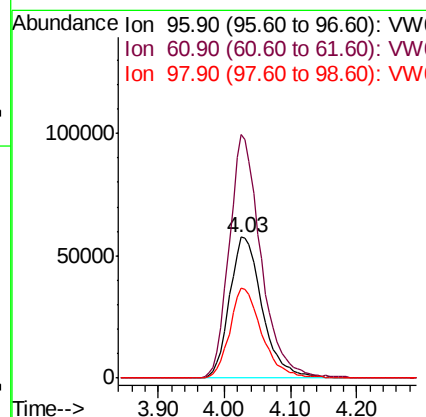
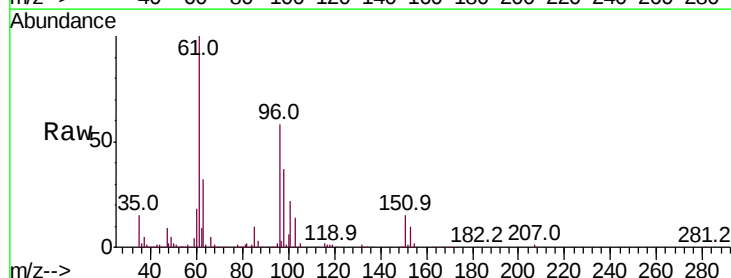
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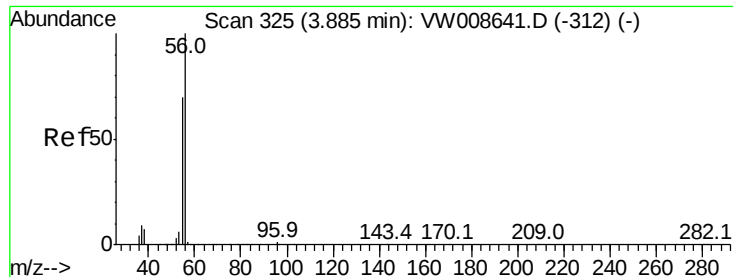
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.564 ug/l
RT: 4.03 min Scan# 348
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.9	129.8	194.6
98	64.0	49.3	73.9





#13

Acrolein

Concen: 237.341 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

Tot Ion: 56 Resp: 83071

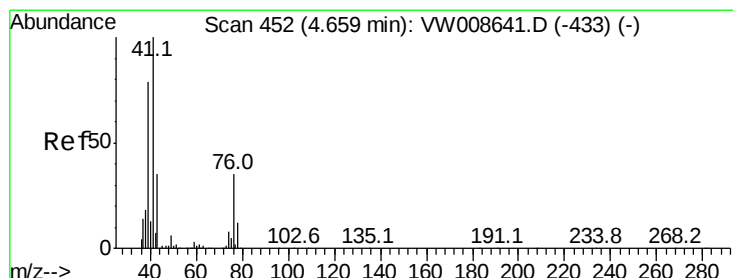
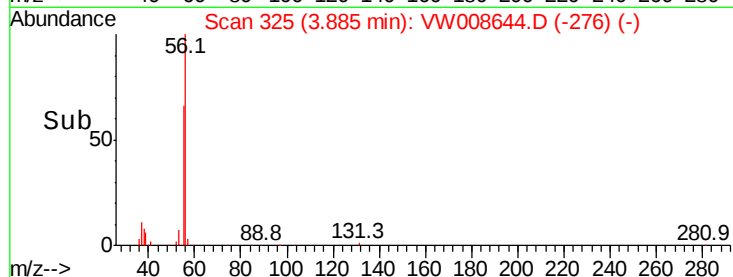
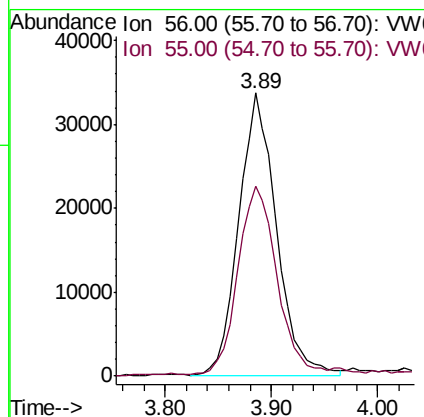
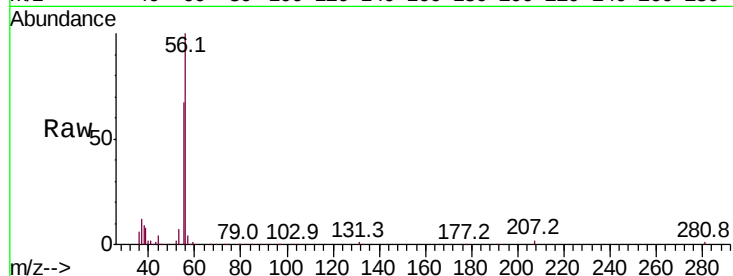
Ion Ratio Lower Upper

56 100

55 68.6 57.4 86.2

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#14

Allyl chloride

Concen: 51.473 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

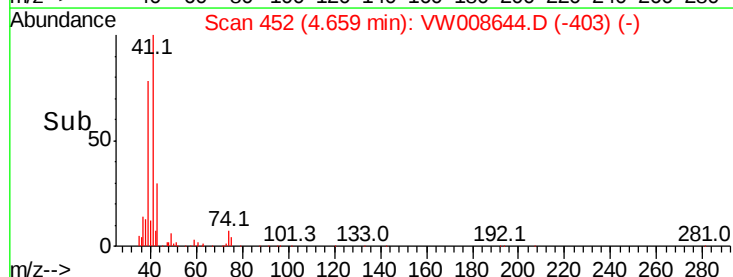
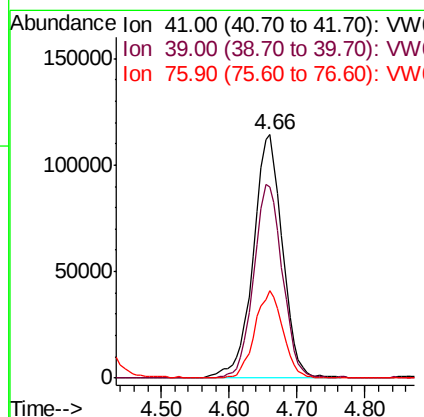
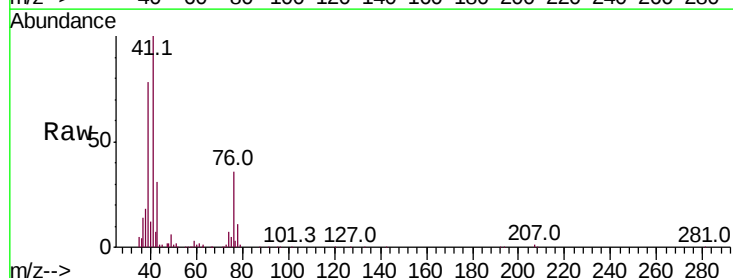
Tgt Ion: 41 Resp: 340973

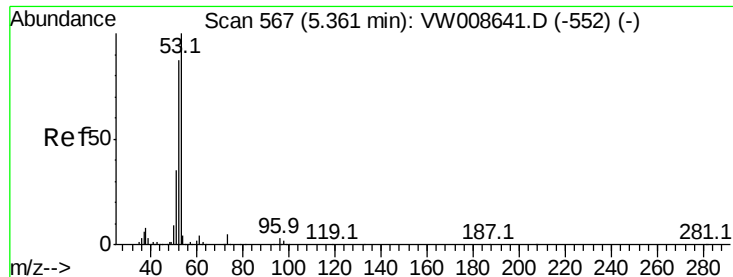
Ion Ratio Lower Upper

41 100

39 78.5 61.7 92.5

76 34.3 27.7 41.5





#15

Acrylonitrile

Concen: 244.686 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

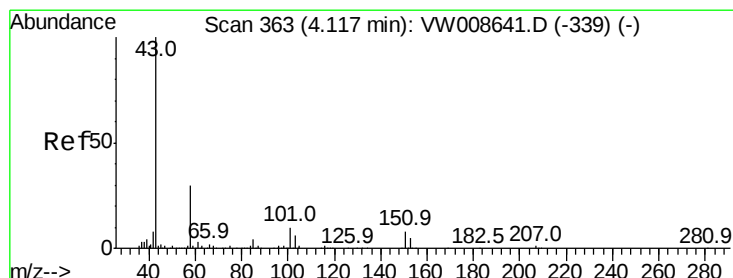
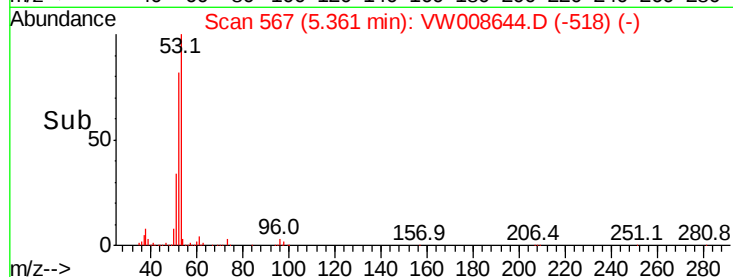
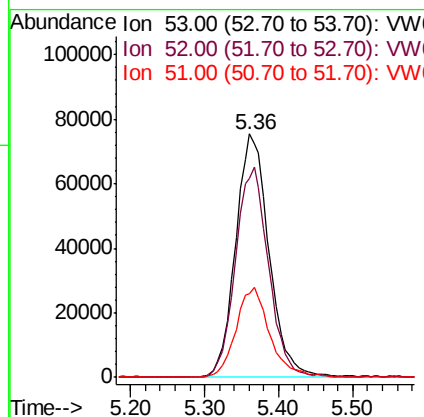
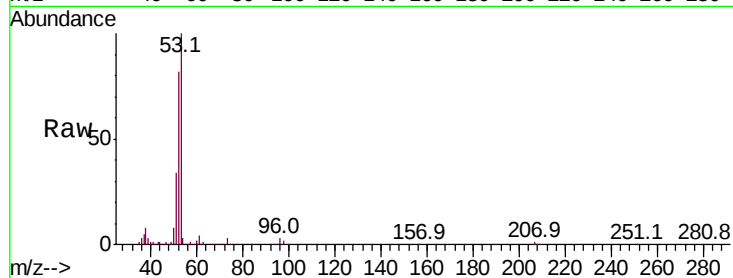
ClientSampleId :

ICVW021319

Tot Ion:	53	Resp:	237107
Ion Ratio	Lower	Upper	
53	100		
52	85.8	66.8	100.2
51	37.5	29.4	44.0

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#16

Acetone

Concen: 287.463 ug/l

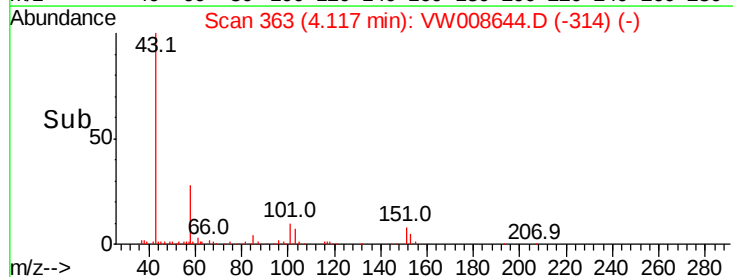
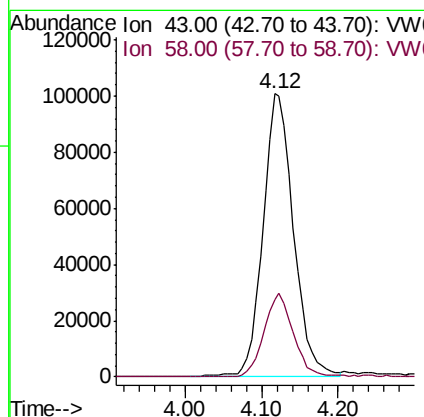
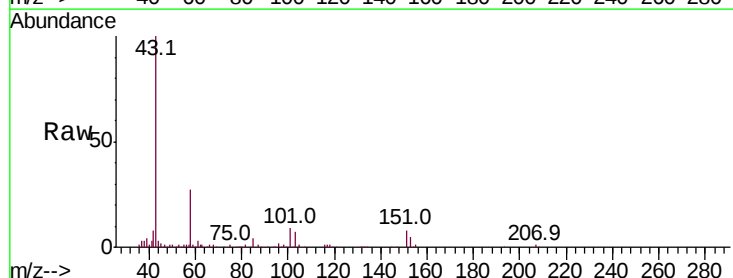
RT: 4.12 min Scan# 363

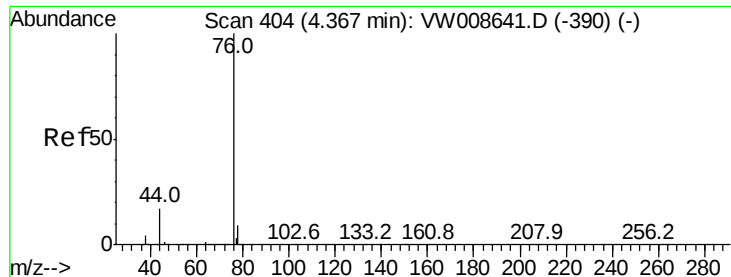
Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tgt Ion:	43	Resp:	277745
Ion Ratio	Lower	Upper	
43	100		
58	27.2	24.1	36.1





#17

Carbon Disulfide

Concen: 50.796 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tot Ion: 76 Resp: 611191

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7

Instrument :

MSVOA_W

ClientSampleId :

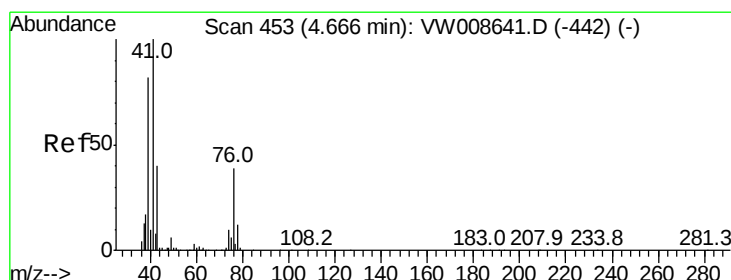
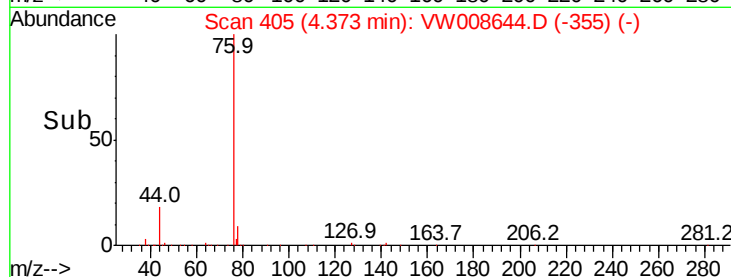
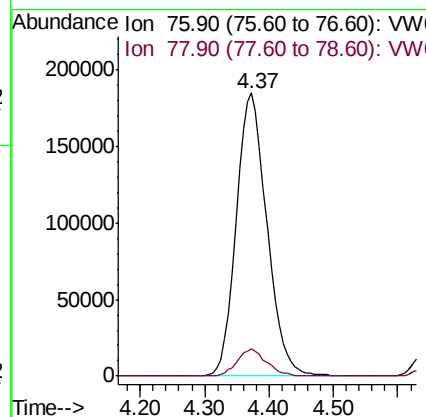
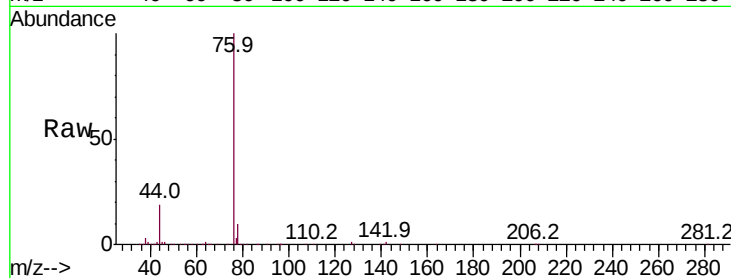
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#18

Methyl Acetate

Concen: 47.767 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008644.D

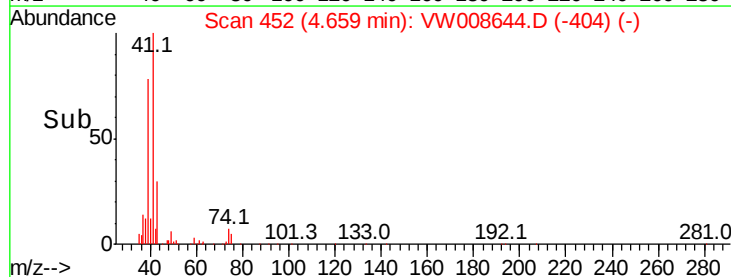
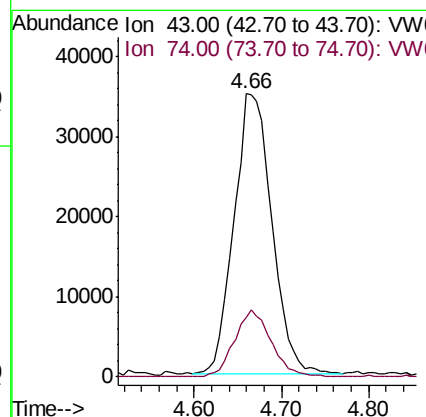
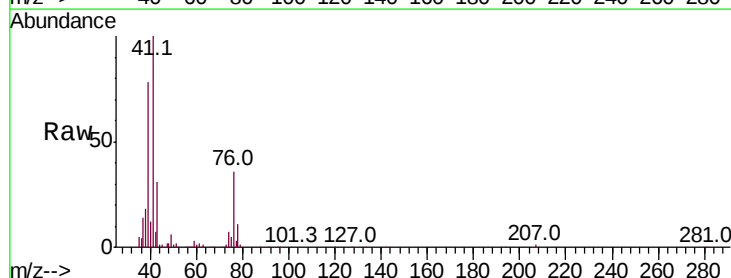
Acq: 13 Feb 2019 16:55

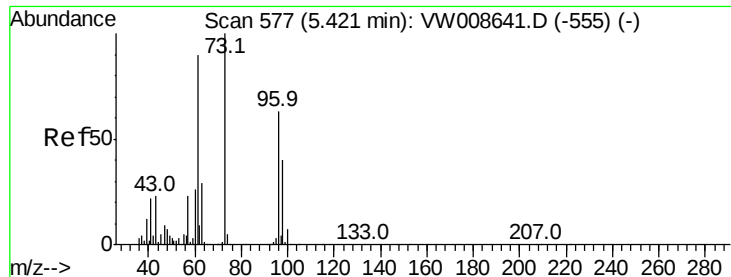
Tgt Ion: 43 Resp: 105463

Ion Ratio Lower Upper

43 100

74 23.2 19.0 28.4





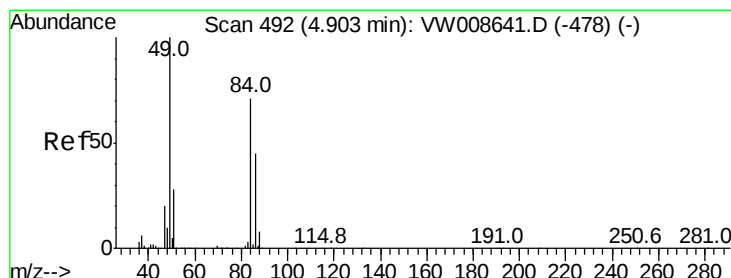
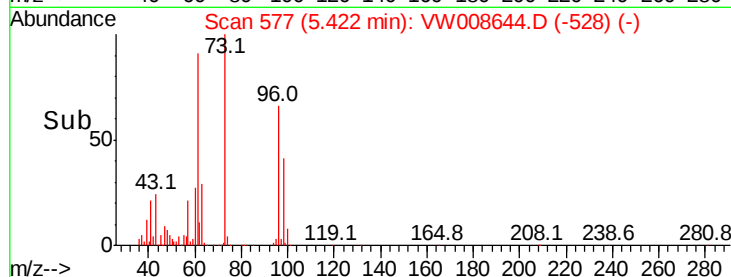
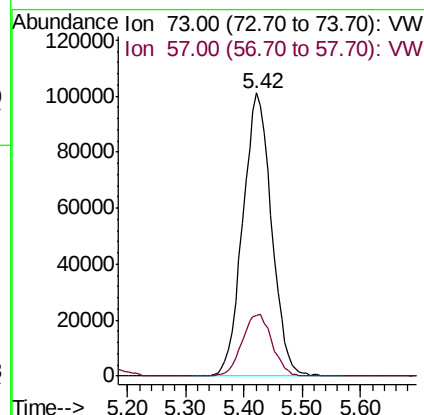
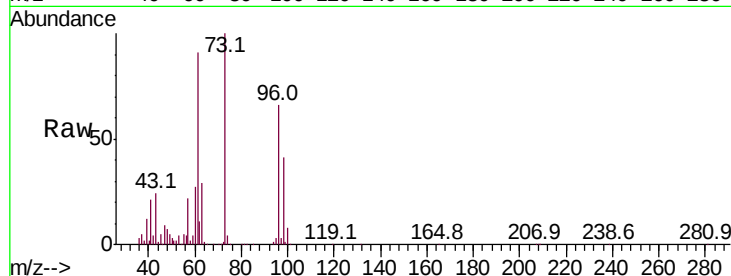
#19
Methyl tert-butyl Ether
Concen: 49.324 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion: 73 Resp: 345234
Ion Ratio Lower Upper
73 100
57 21.5 18.2 27.2

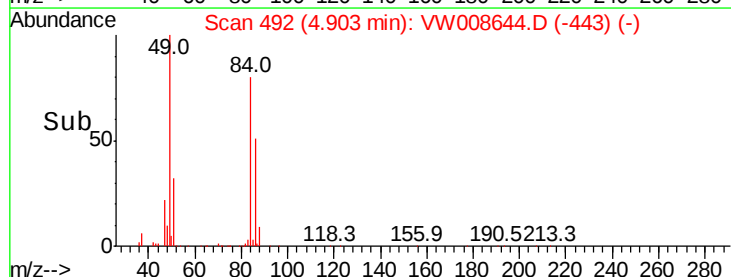
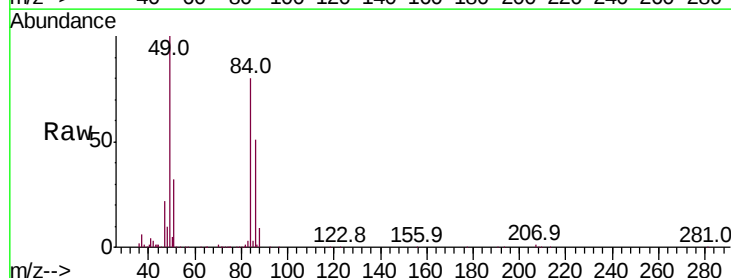
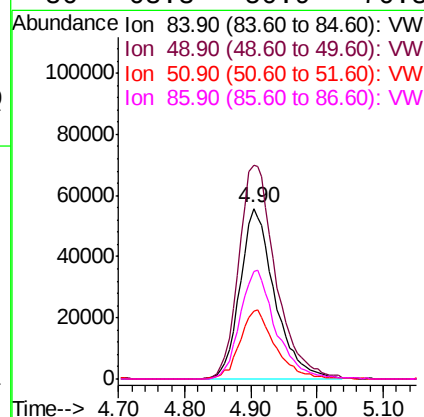
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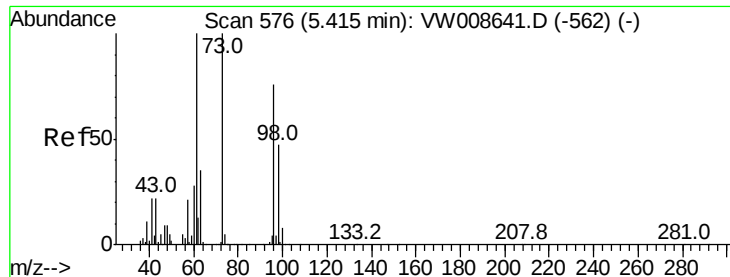
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#20
Methylene Chloride
Concen: 47.527 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion: 84 Resp: 203842
Ion Ratio Lower Upper
84 100
49 125.3 113.3 169.9
51 40.0 32.1 48.1
86 63.3 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 49.484 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

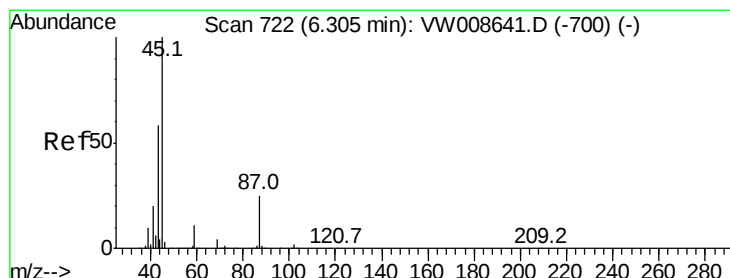
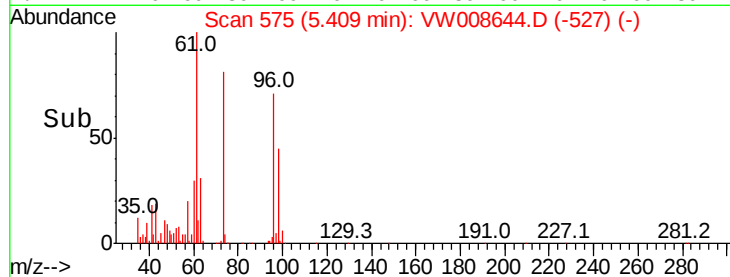
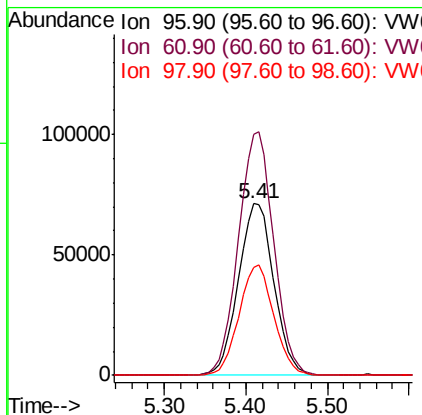
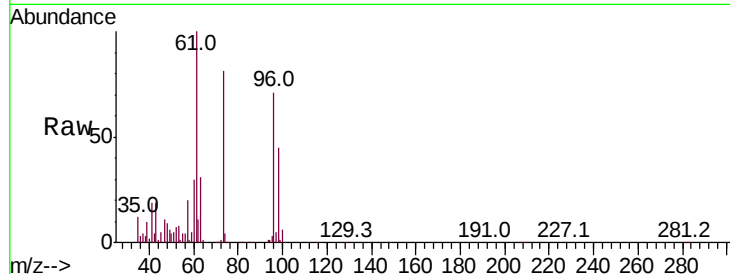
ClientSampleId :

ICVW021319

Tot Ion:	96	Resp:	216069
Ion	Ratio	Lower	Upper
96	100		
61	140.4	105.9	158.9
98	62.8	49.8	74.6

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#22

Diisopropyl ether

Concen: 50.748 ug/l

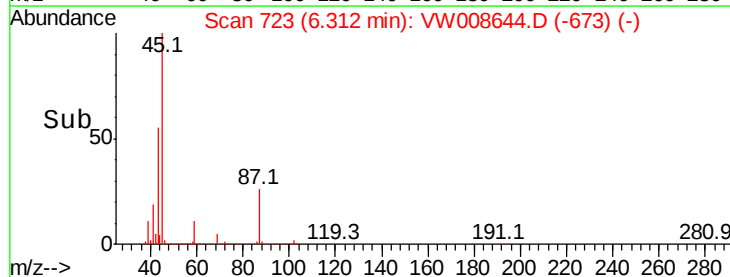
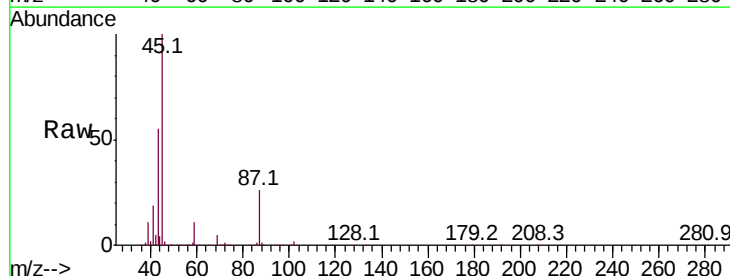
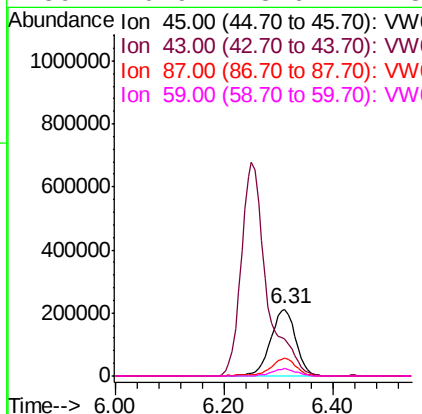
RT: 6.31 min Scan# 723

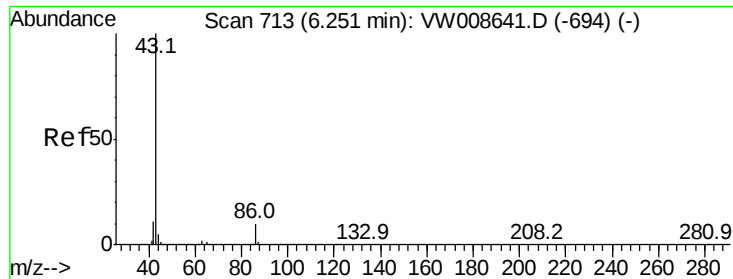
Delta R.T. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tgt Ion:	45	Resp:	676604
Ion	Ratio	Lower	Upper
45	100		
43	54.9	46.1	69.1
87	26.4	20.5	30.7
59	10.9	8.6	12.8





#23

Vinyl Acetate

Concen: 253.980 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tot Ion: 43 Resp: 2197716

Ion Ratio Lower Upper

43 100

86 9.9 7.9 11.9

Instrument :

MSVOA_W

ClientSampleId :

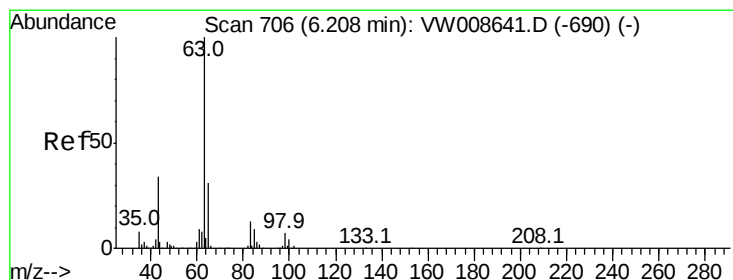
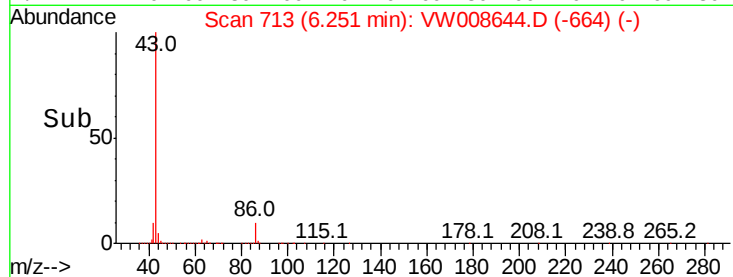
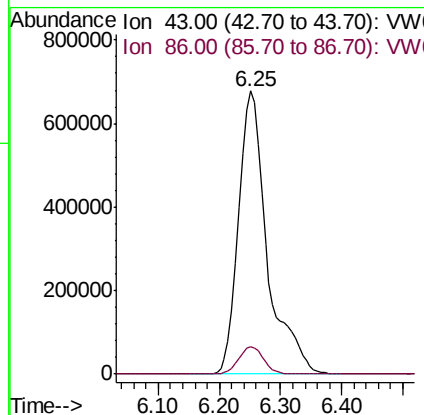
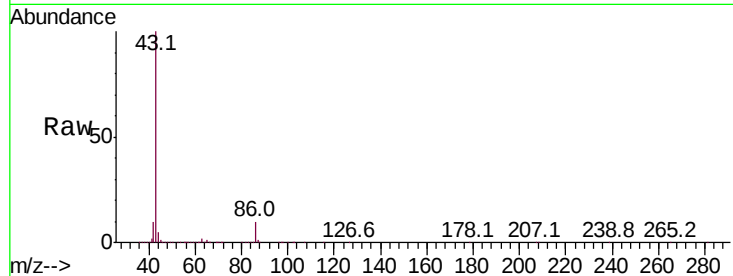
ICVW021319

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#24

1,1-Dichloroethane

Concen: 49.818 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

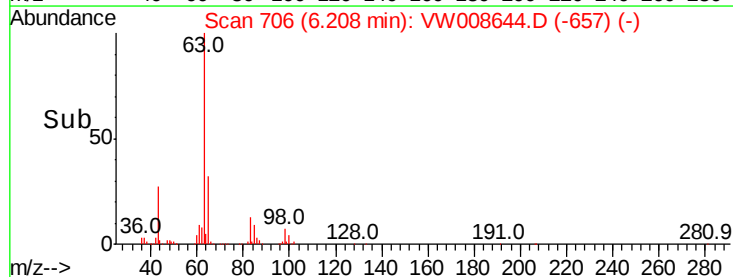
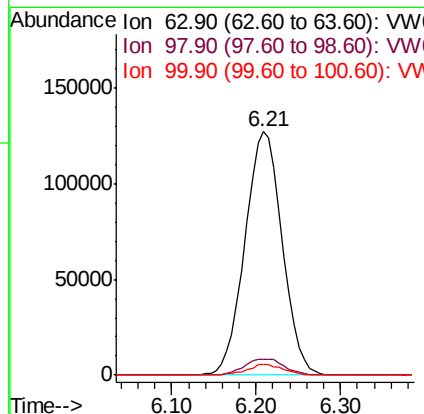
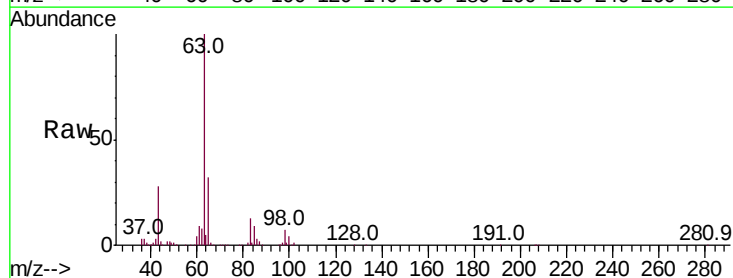
Tgt Ion: 63 Resp: 383269

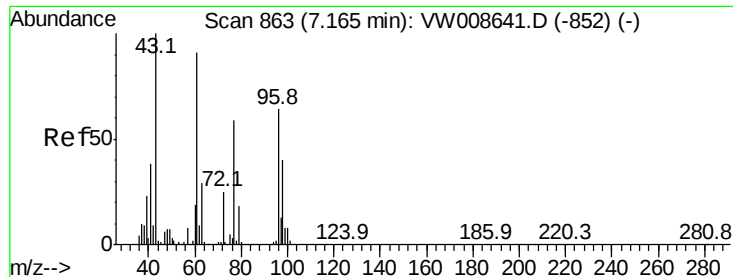
Ion Ratio Lower Upper

63 100

98 6.6 3.6 10.8

100 4.4 2.2 6.6





#25

2-Butanone

Concen: 261.369 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

Tot Ion: 43 Resp: 356589

Ion Ratio Lower Upper

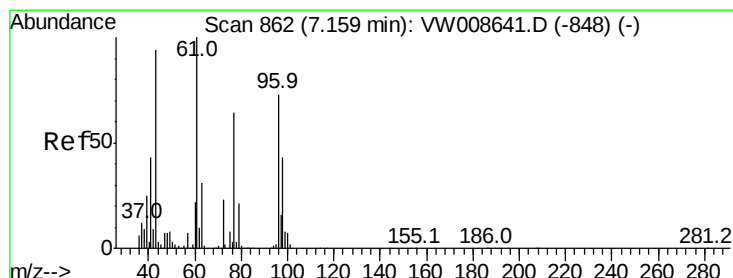
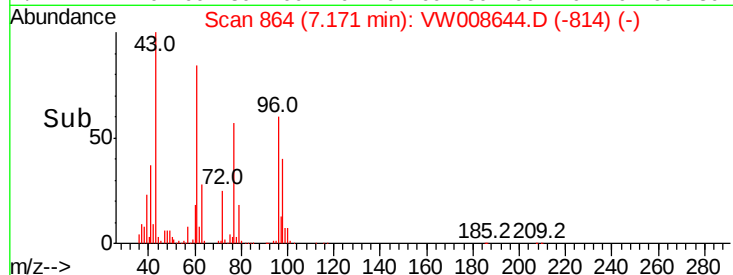
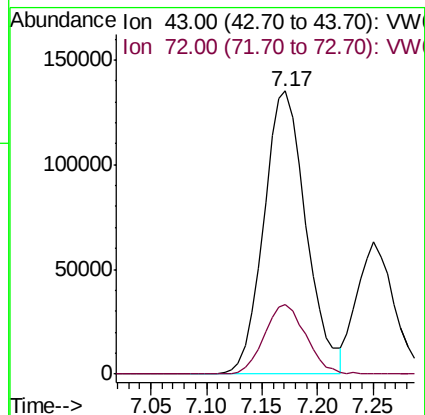
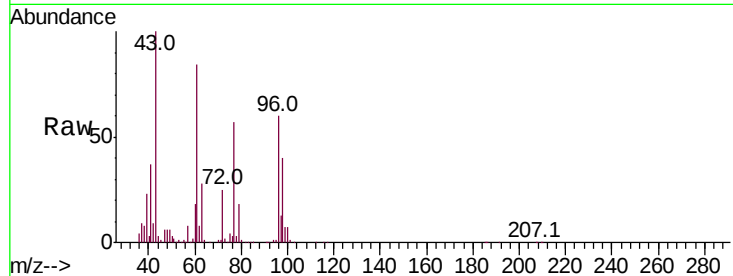
43 100

72 24.8 19.7 29.5

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 52.446 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW008644.D

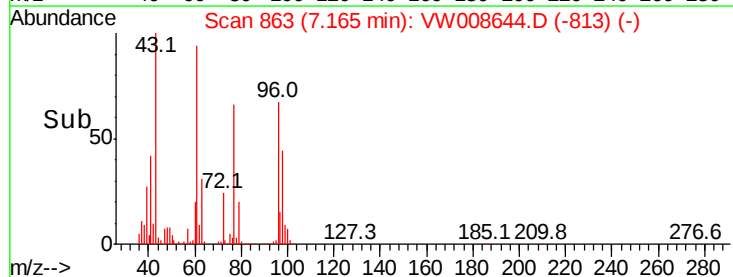
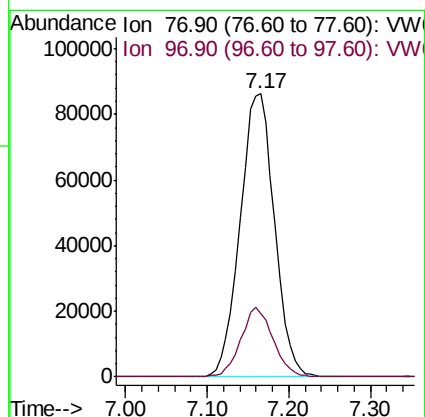
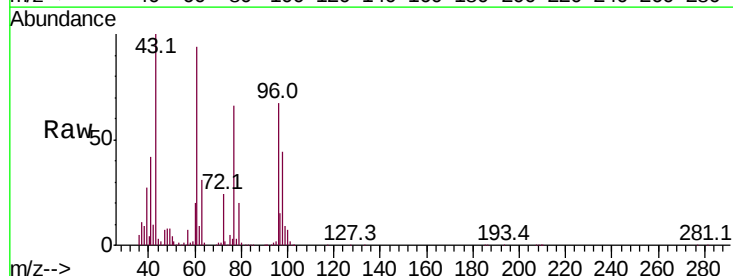
Acq: 13 Feb 2019 16:55

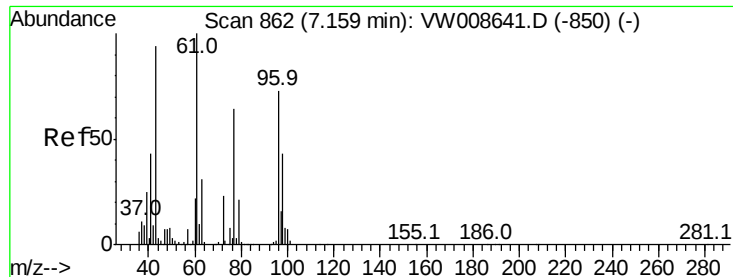
Tgt Ion: 77 Resp: 252065

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0





#27

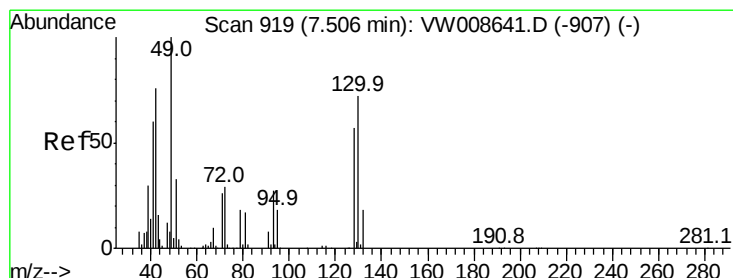
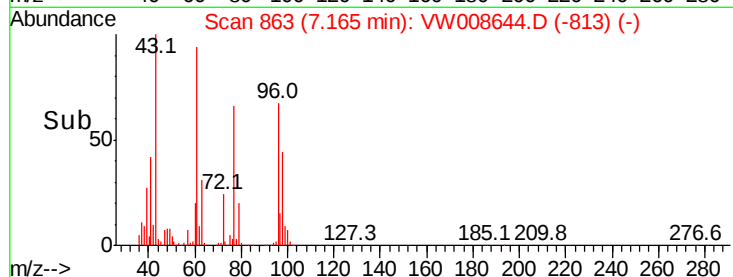
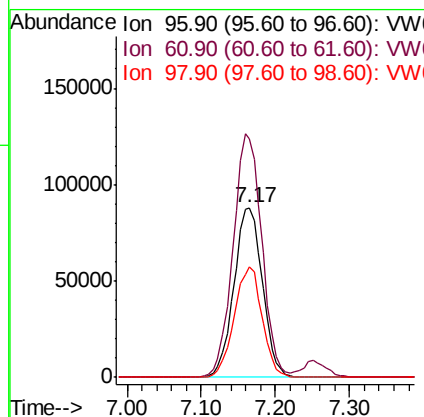
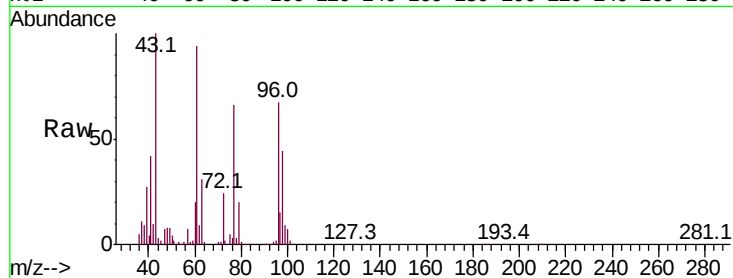
cis-1,2-Dichloroethene
Concen: 50.119 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.9	0.0	286.4	
98	63.8	0.0	125.0	

Manual Integrations
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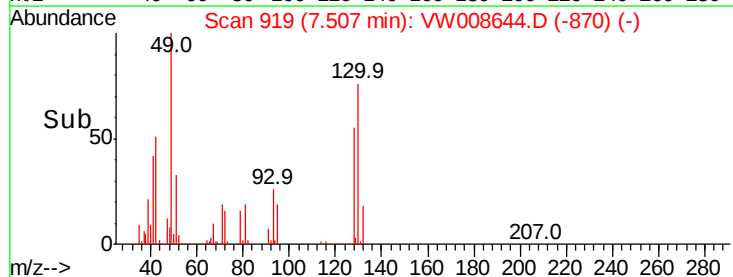
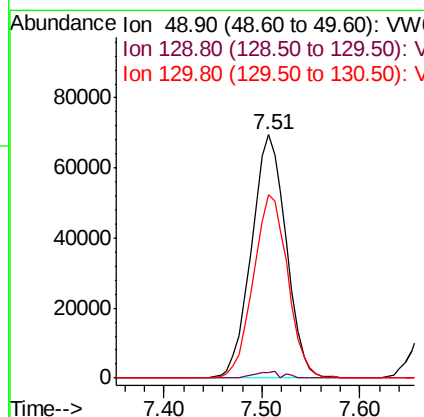
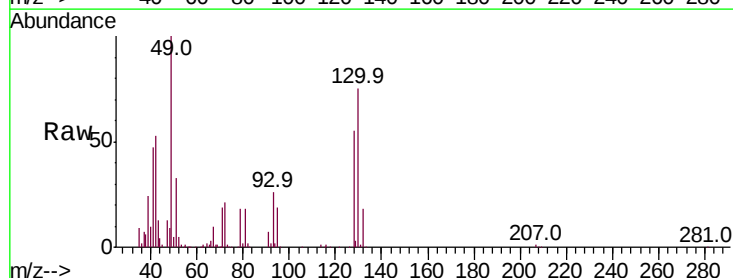
MMDadoda
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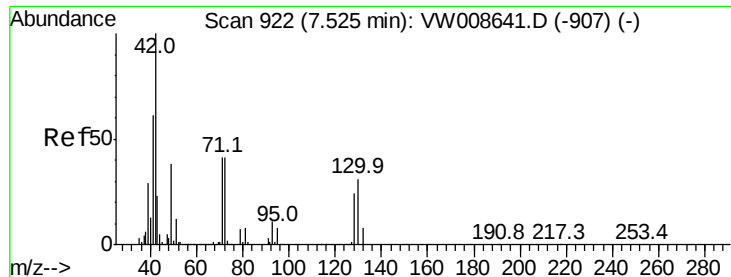


#28

Bromochloromethane
Concen: 52.972 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	3.2	
130	74.9	59.4	89.0	





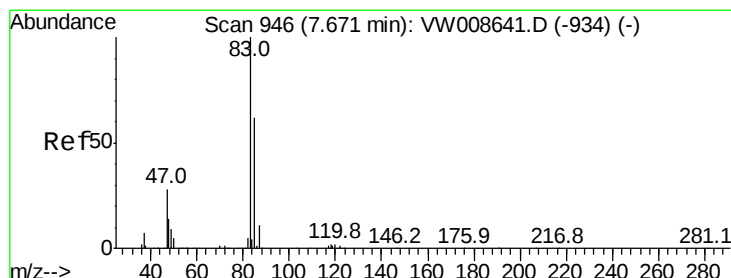
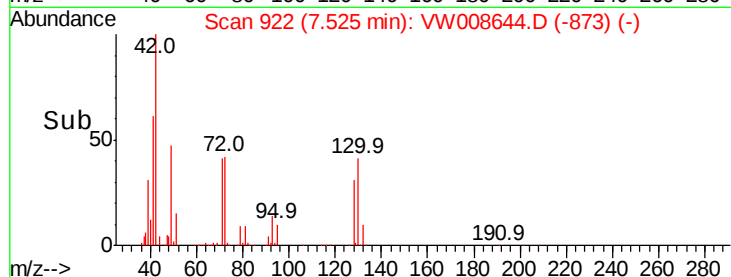
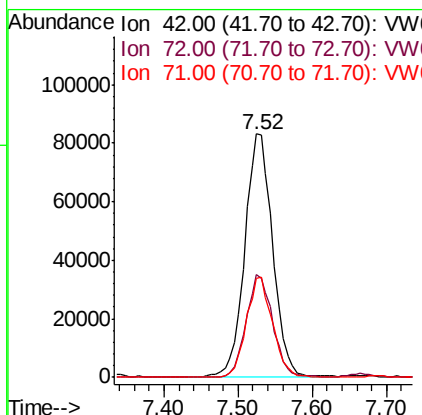
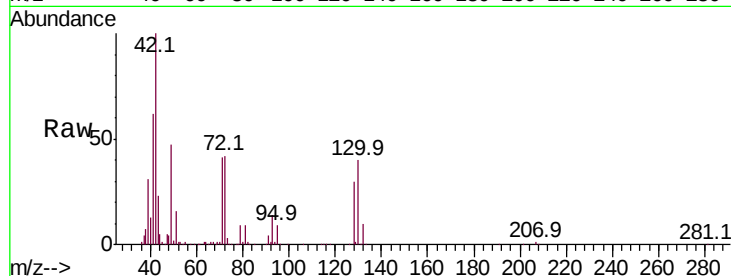
#29
Tetrahydrofuran
Concen: 241.625 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.2	48.2
71	38.8	31.0	46.6

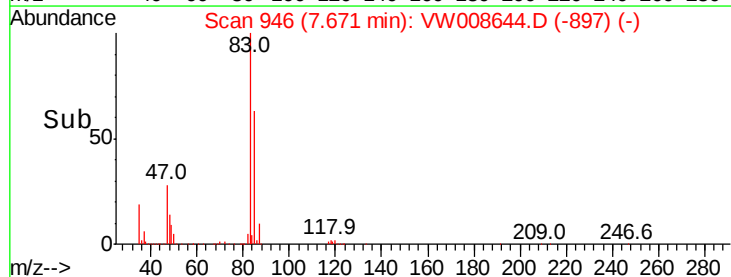
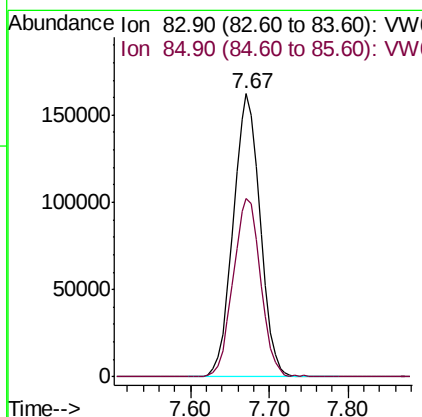
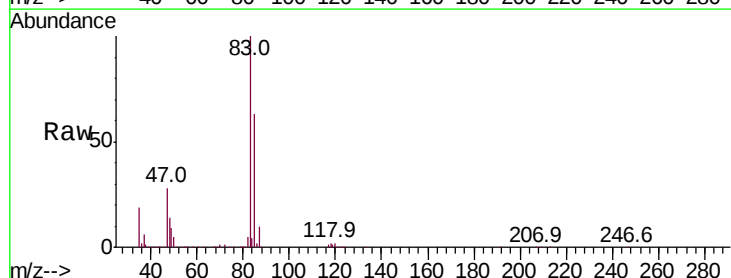
Manual Integrations
APPROVED

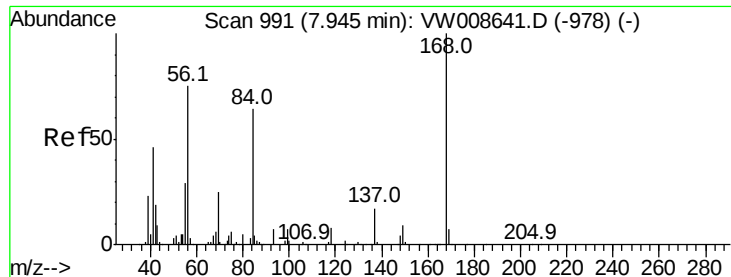
MMDadoda
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#30
Chloroform
Concen: 49.855 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.8	74.8





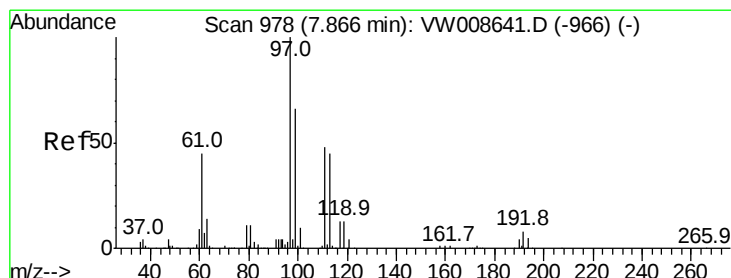
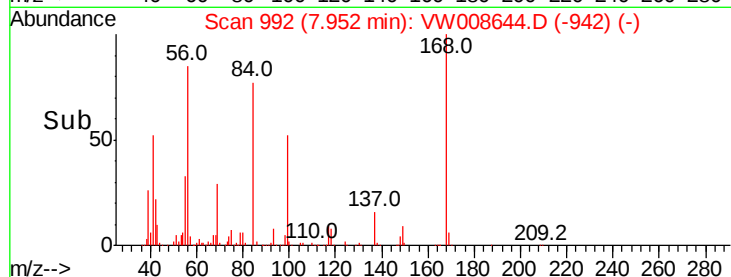
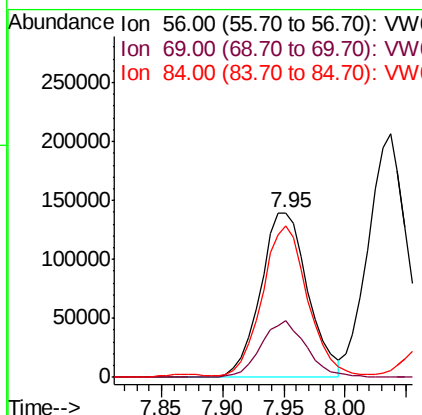
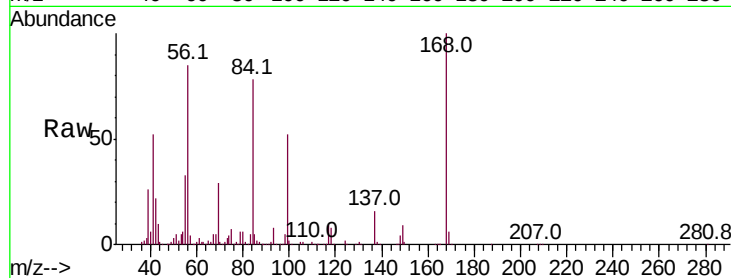
#31
Cyclohexane
Concen: 48.428 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	26.4	39.6
84	90.2	67.4	101.2

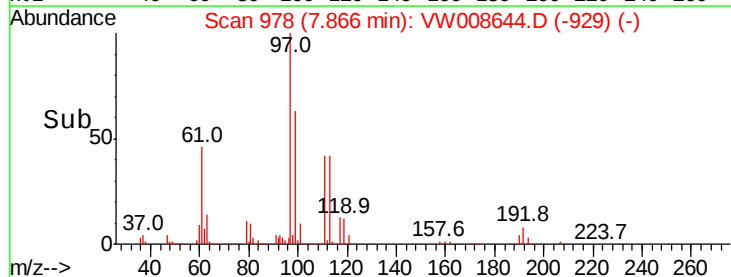
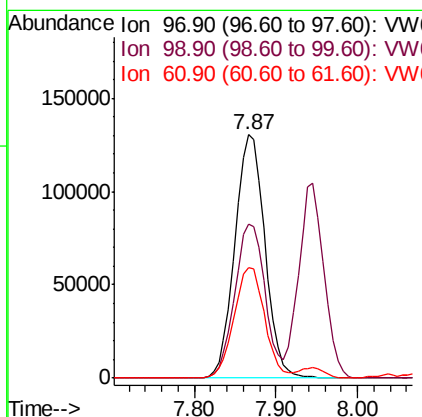
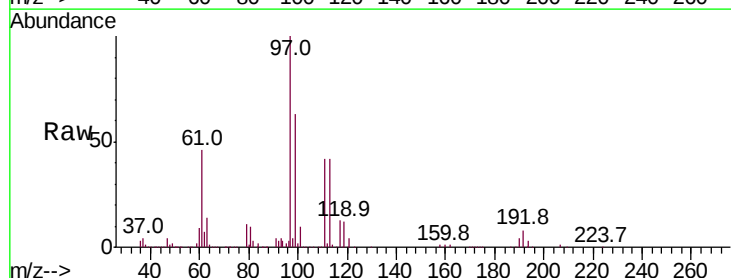
Manual Integrations
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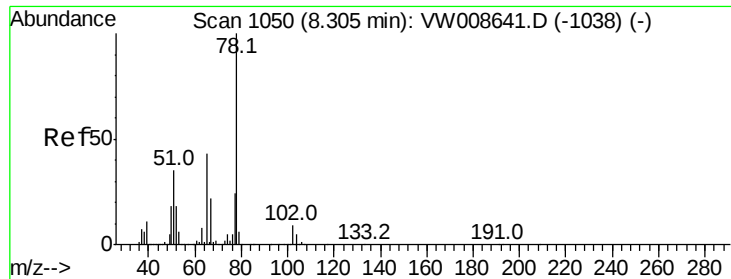
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.146 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	46.3	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 51.154 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

Tot Ion: 65 Resp: 217195

Ion Ratio Lower Upper

65 100

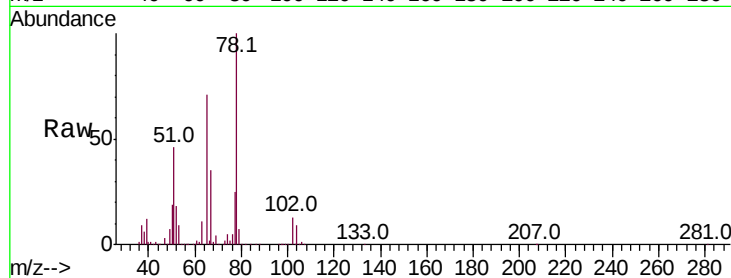
67 51.1 0.0 102.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

100000

80000

60000

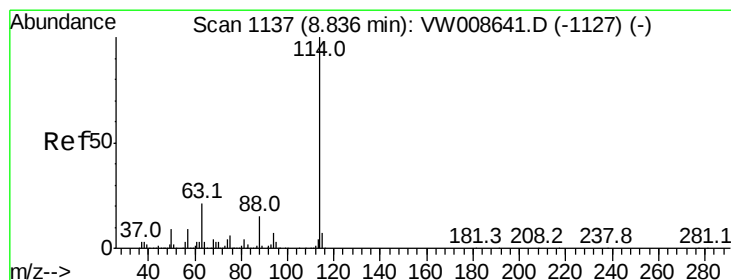
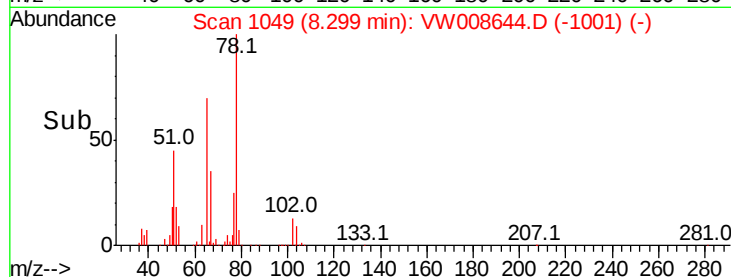
40000

20000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

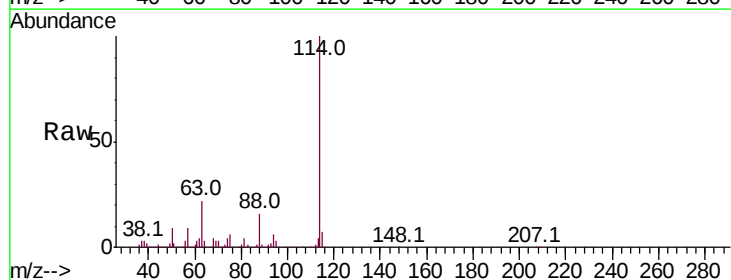
Tgt Ion: 114 Resp: 615292

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.2

88 15.6 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

400000

300000

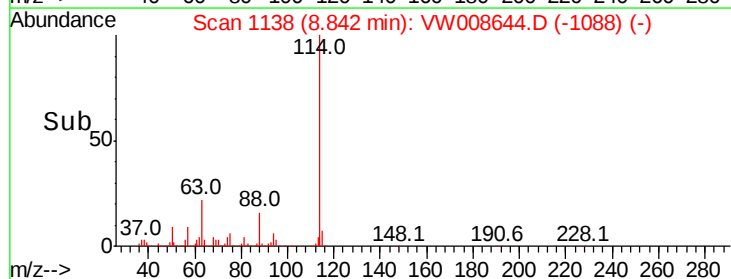
200000

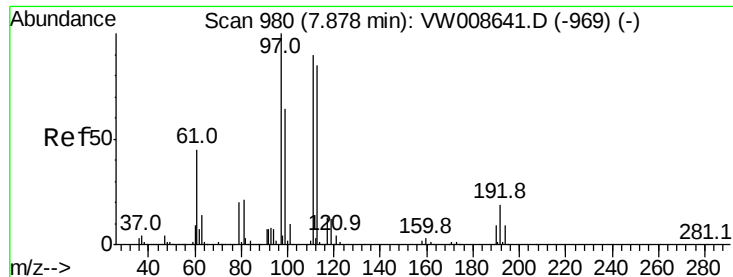
100000

0

8.80 8.90

Time-->





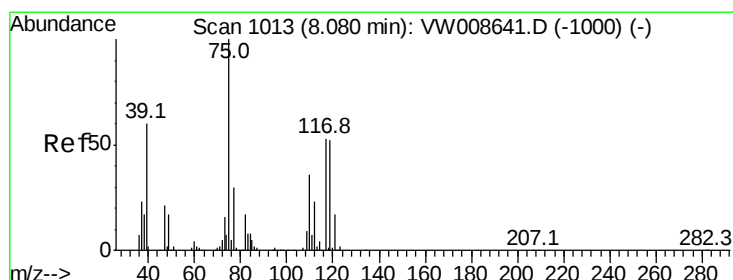
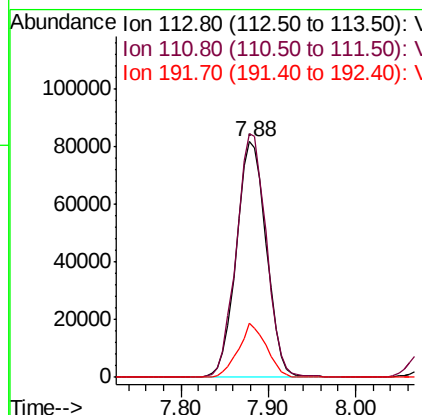
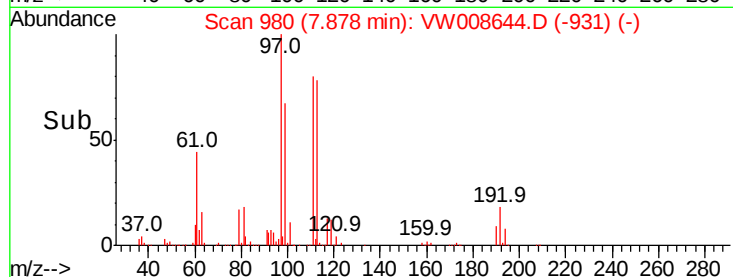
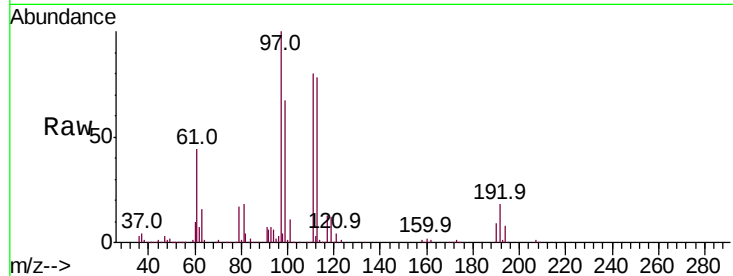
#35
Dibromofluoromethane
Concen: 51.097 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Resp	Lower	Upper
113	100	195221		
111	103.4	84.0	126.0	
192	21.4	17.4	26.2	

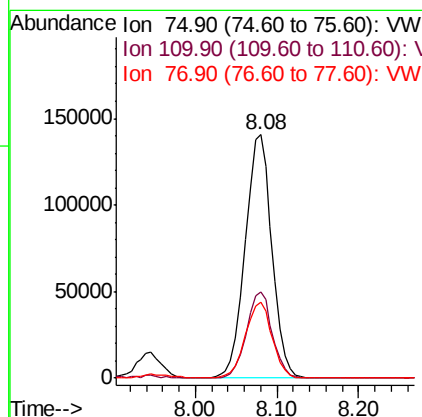
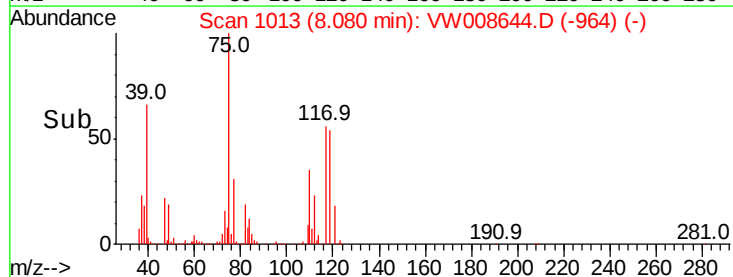
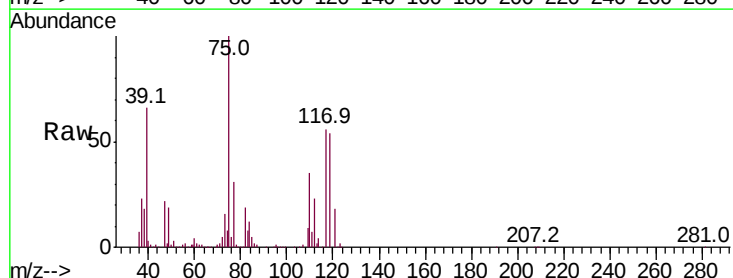
Manual Integrations
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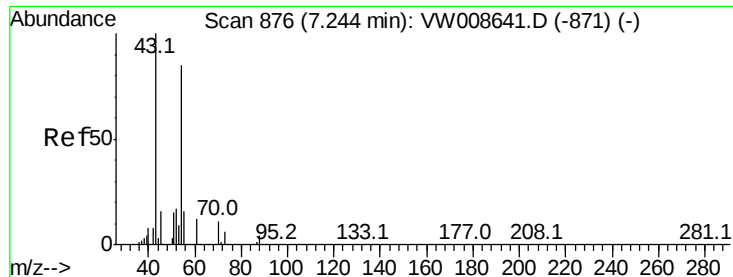
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#36
1,1-Dichloropropene
Concen: 51.790 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	320150		
110	34.3	17.8	53.3	
77	31.4	24.7	37.1	





#37

Ethyl Acetate

Concen: 50.566 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.01 min

Lab File: VW008644.D

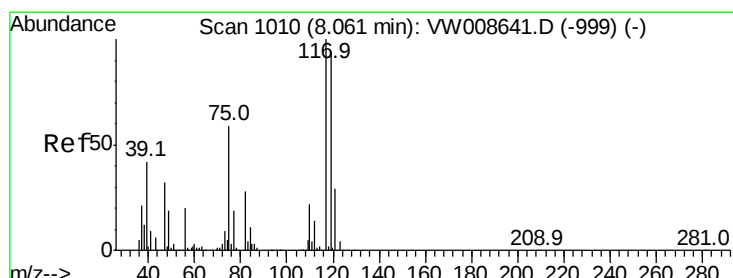
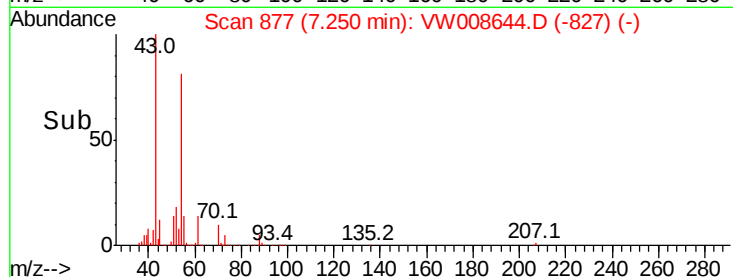
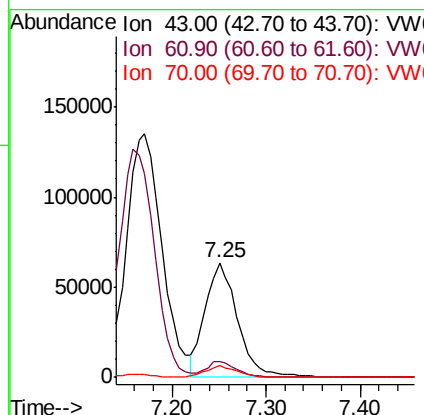
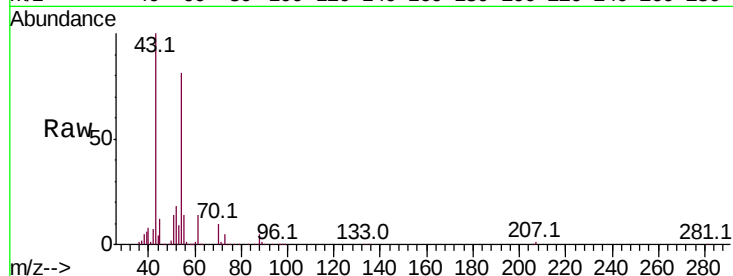
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Resp	Lower	Upper
43	100	150787		
61	13.5		10.5	15.7
70	9.9		8.1	12.1

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 52.015 ug/l

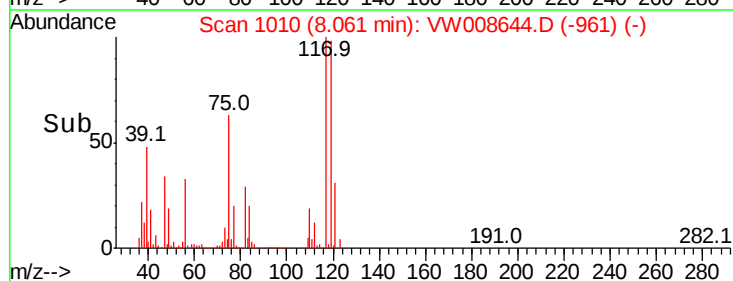
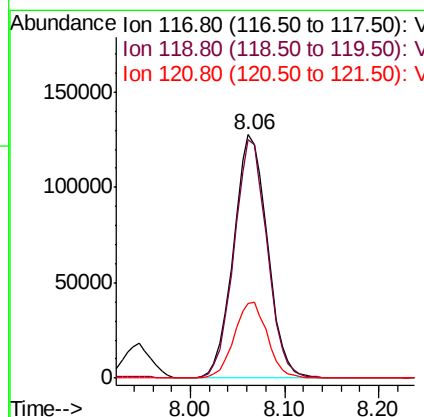
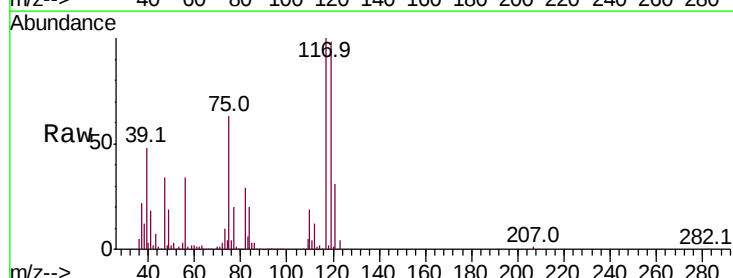
RT: 8.06 min Scan# 1010

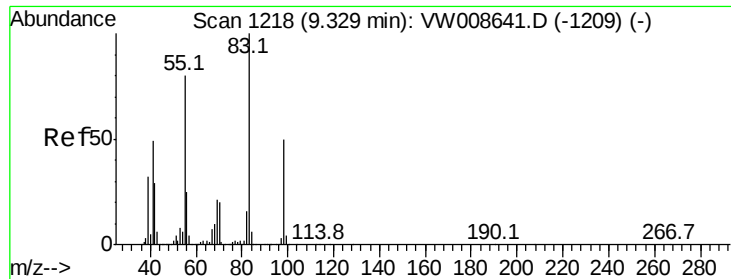
Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	319737		
119	98.1		75.1	112.7
121	30.6		23.5	35.3





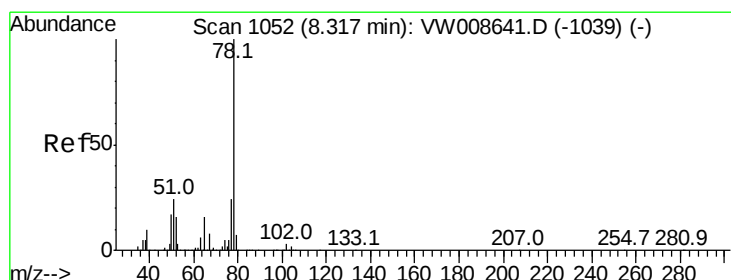
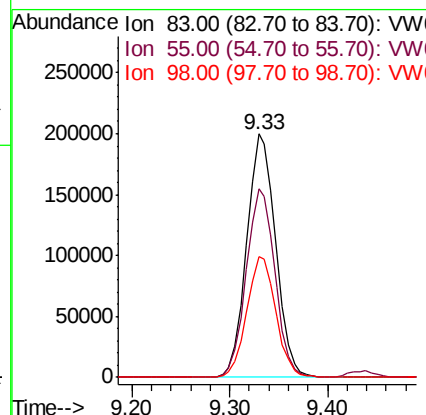
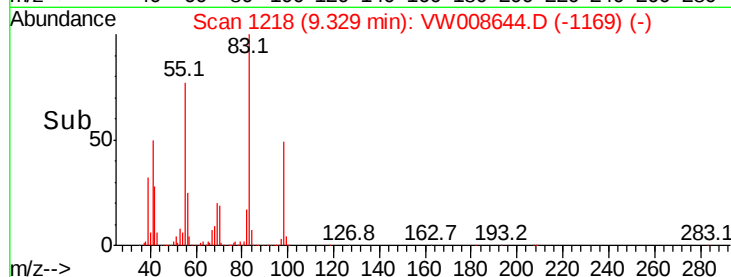
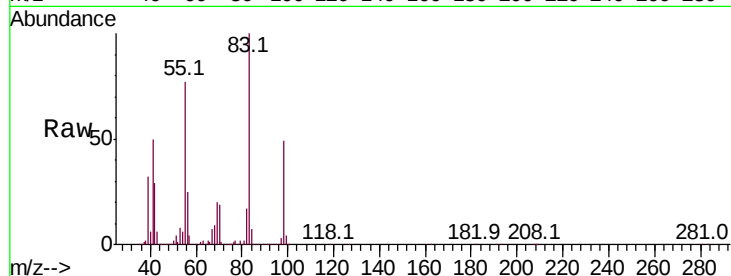
#39
Methvlcvclohexane
Concen: 52.317 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.3	63.9	95.9
98	49.4	40.2	60.2

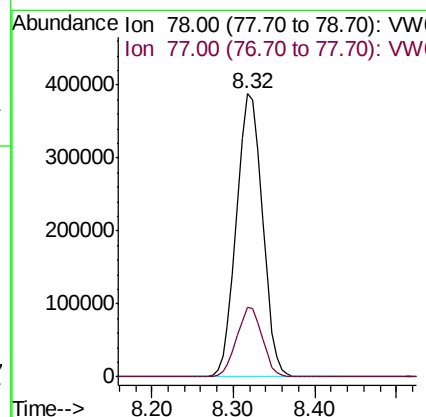
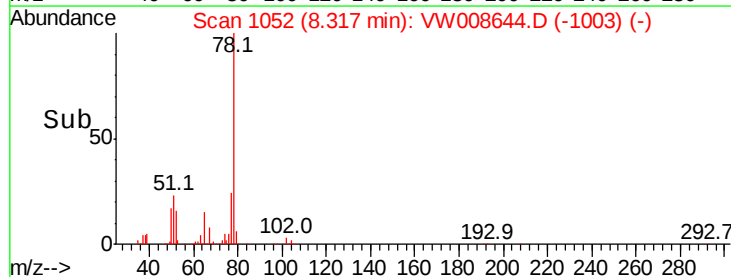
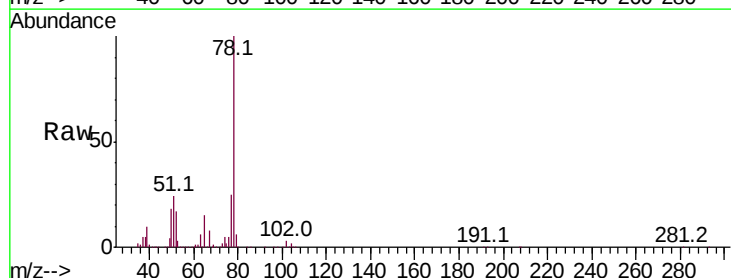
Manual Integrations
APPROVED

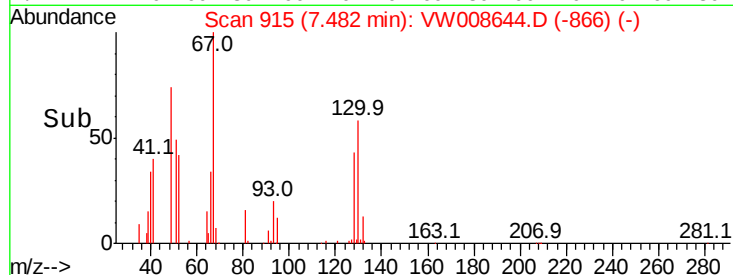
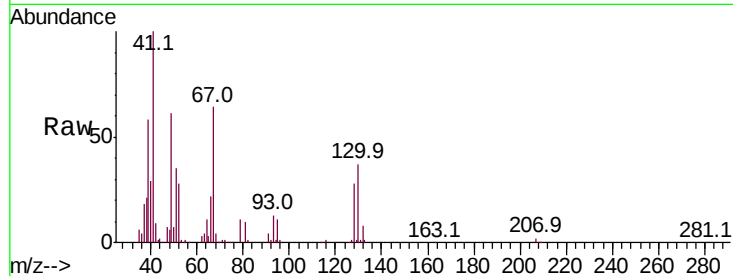
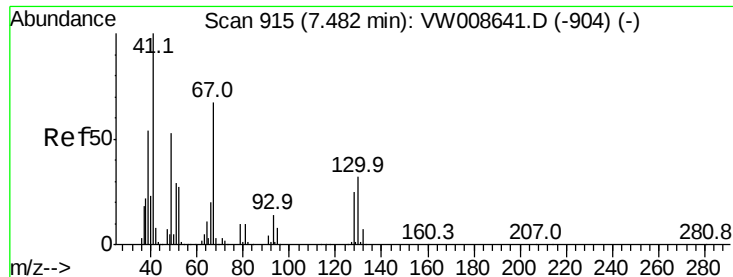
MMDadoda
2/14/2019 2:09:14 PM



#40
Benzene
Concen: 50.645 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.5	29.3





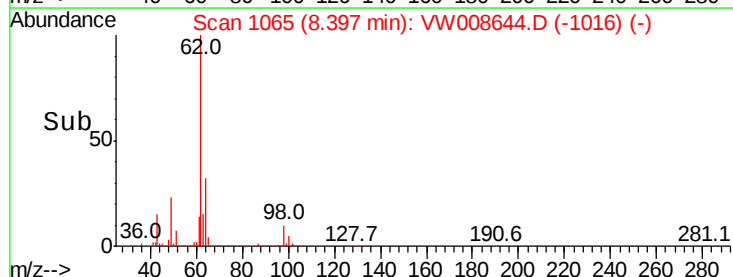
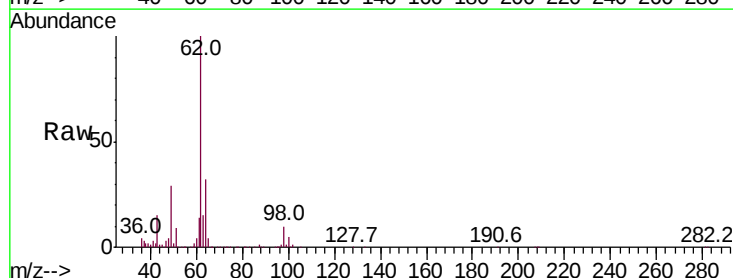
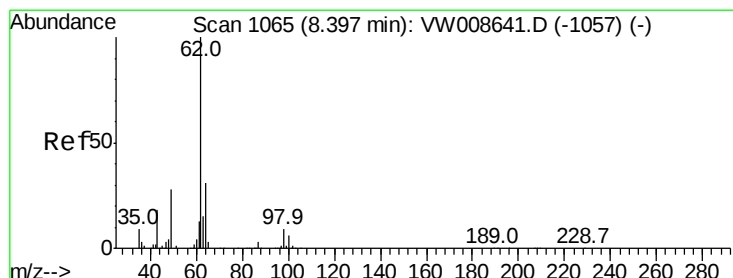
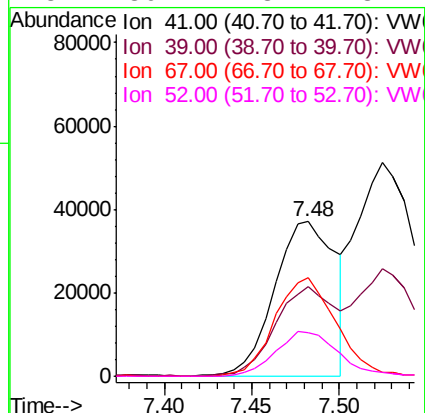
#41
Methacrylonitrile
Concen: 53.678 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.1	39.7	59.5
67	64.5	52.5	78.7
52	30.2	23.1	34.7

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

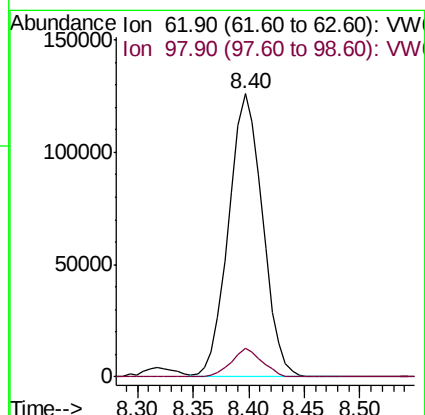
Manual Integrations
APPROVED

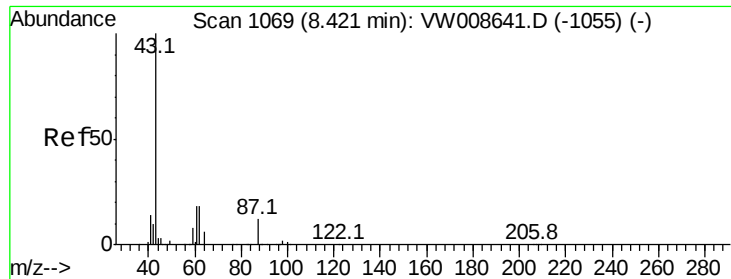
MMDadoda
2/14/2019 2:09:14 PM



#42
1,2-Dichloroethane
Concen: 50.981 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.2





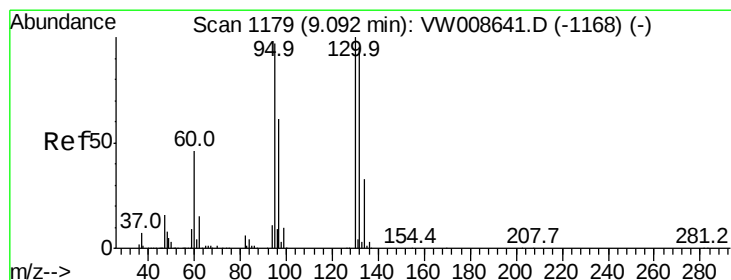
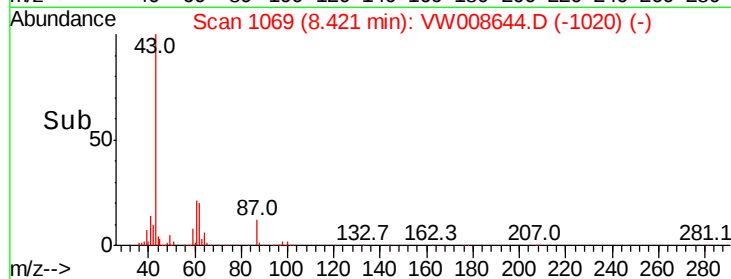
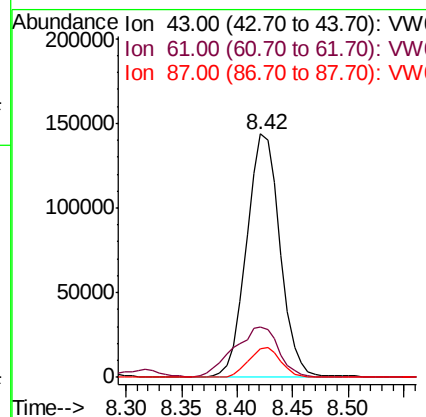
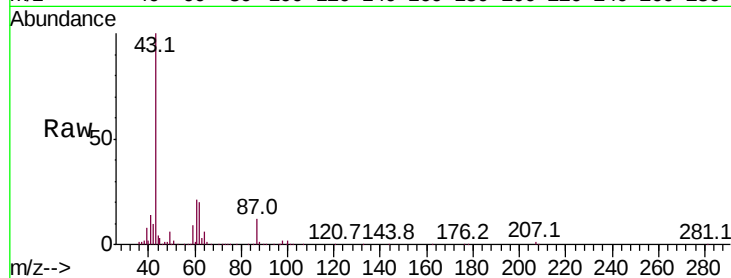
#43
Isopropyl Acetate
Concen: 50.612 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.9	21.4	32.2
87	12.0	9.8	14.8

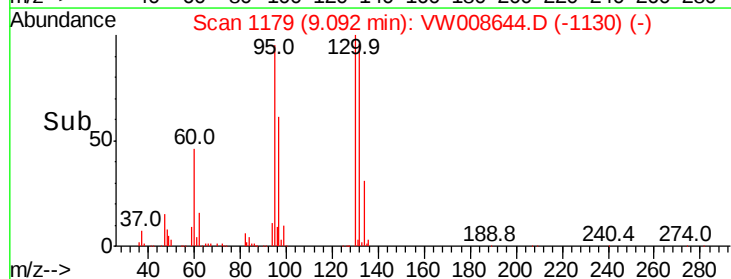
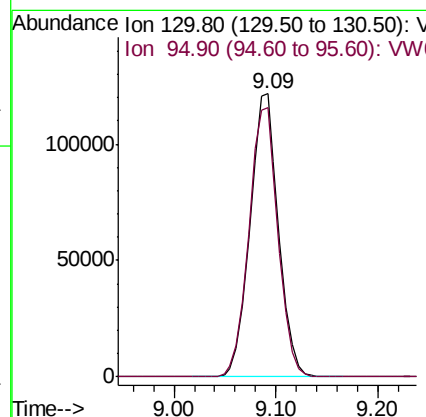
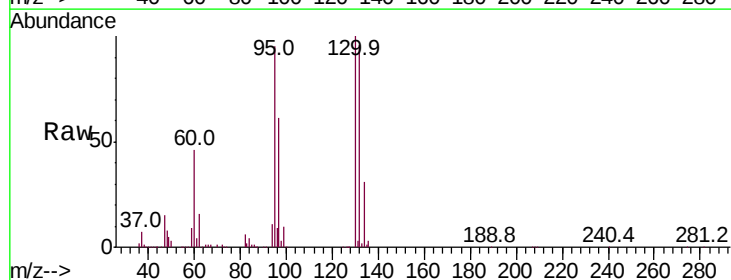
Manual Integrations
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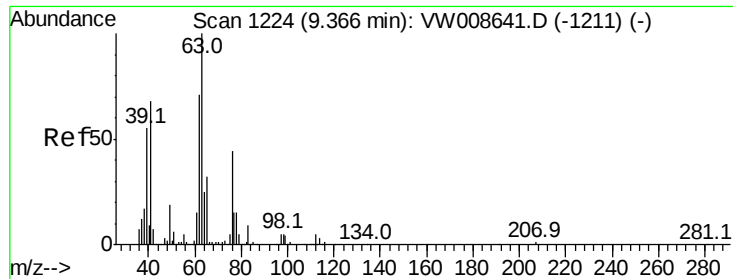
MMDadoda
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#44
Trichloroethene
Concen: 50.243 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	193.4





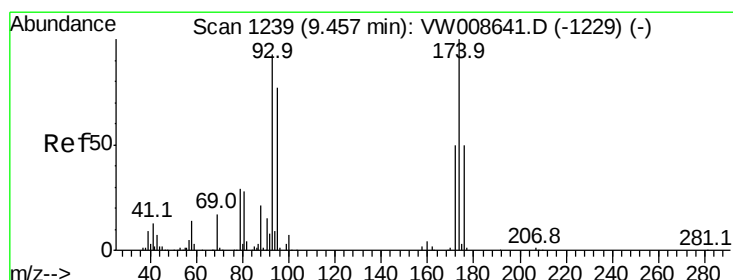
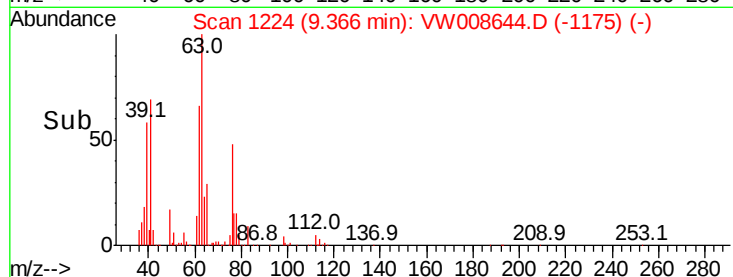
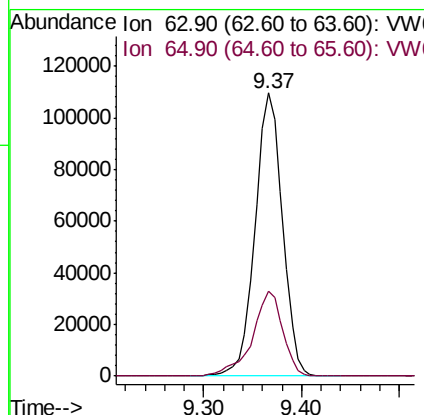
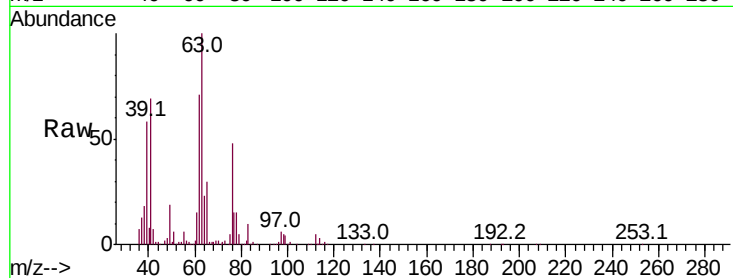
#45
 1,2-Dichloropropane
 Concen: 50.870 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

Tot Ion: 63 Resp: 212546
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.4 38.0

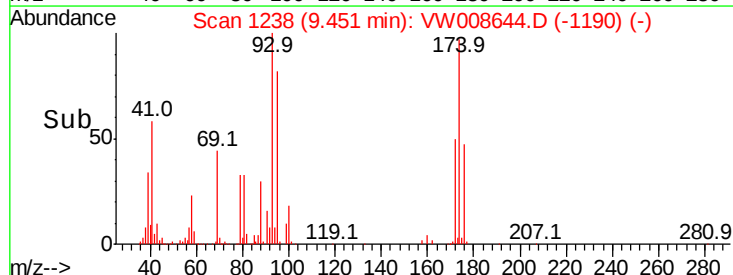
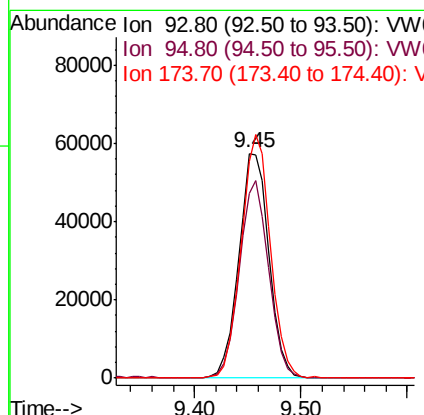
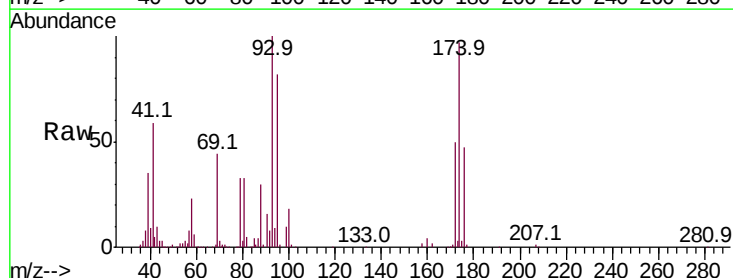
Manual Integrations
 APPROVED

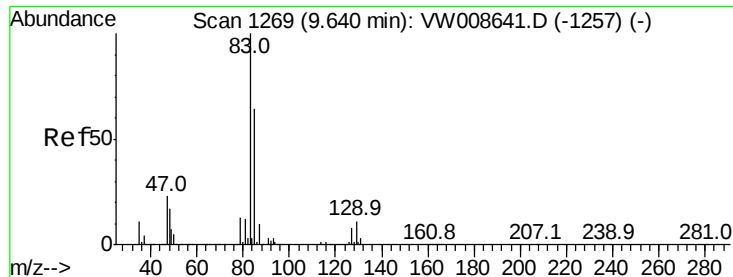
MMDadoda
 2/14/2019 2:09:14 PM



#46
 Dibromomethane
 Concen: 49.490 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion: 93 Resp: 113907
 Ion Ratio Lower Upper
 93 100
 95 85.8 65.8 98.8
 174 105.4 82.5 123.7





#47

Bromodichloromethane

Concen: 51.430 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

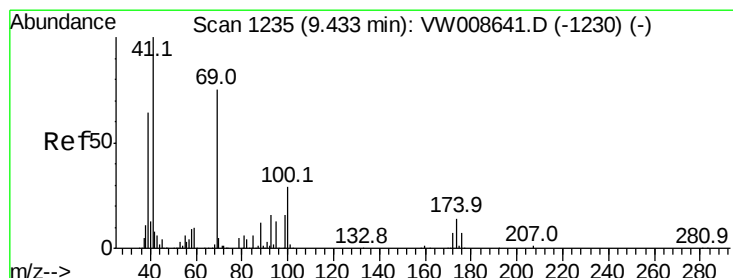
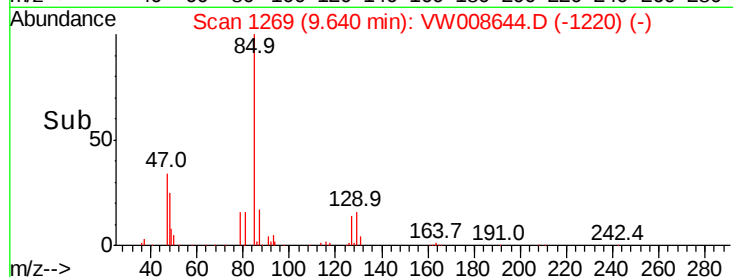
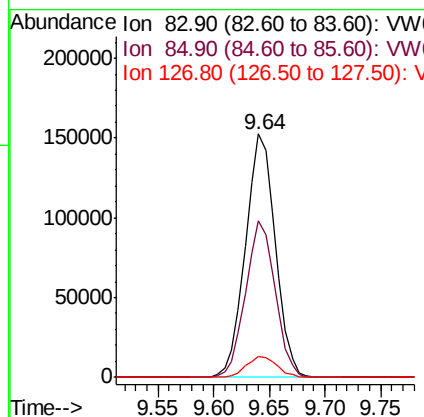
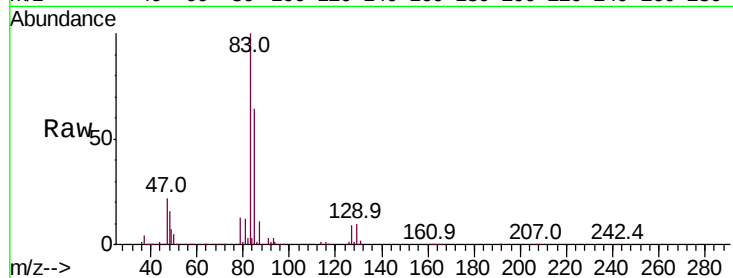
ClientSampleId :

ICVW021319

Tot Ion:	83	Resp:	284482
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.2	76.8
127	8.7	6.4	9.6

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 52.394 ug/l

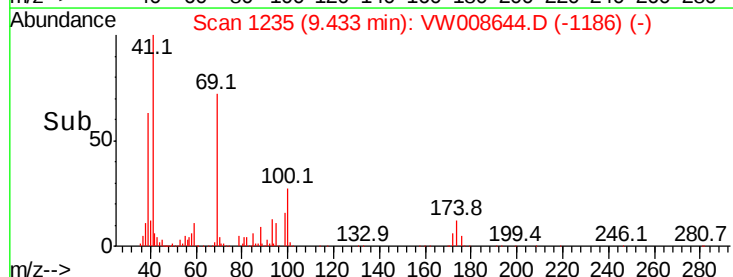
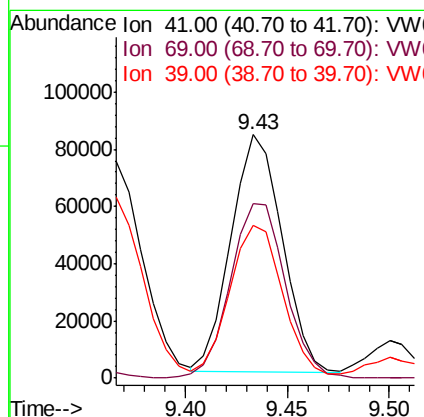
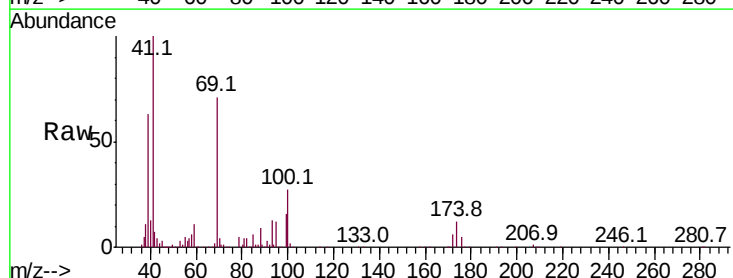
RT: 9.43 min Scan# 1235

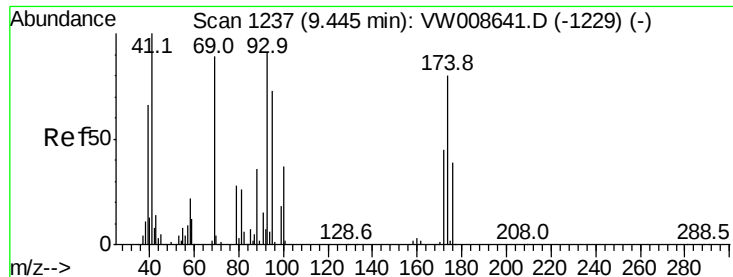
Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tgt Ion:	41	Resp:	144378
Ion Ratio	Lower	Upper	
41	100		
69	78.7	64.1	96.1
39	64.2	52.3	78.5





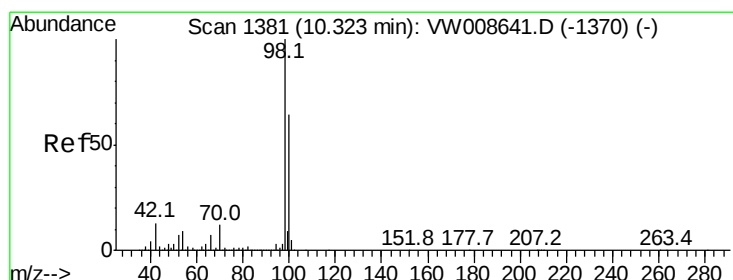
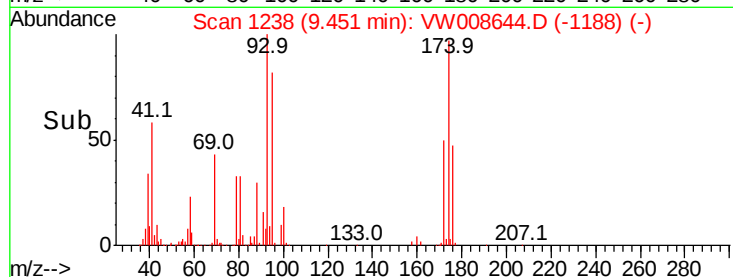
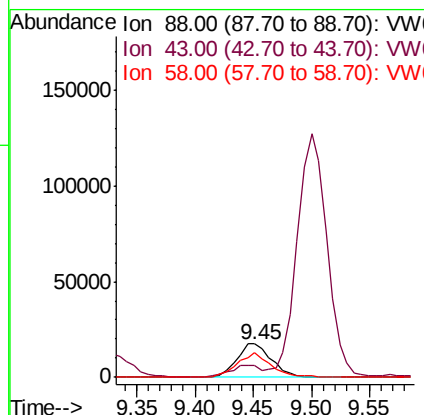
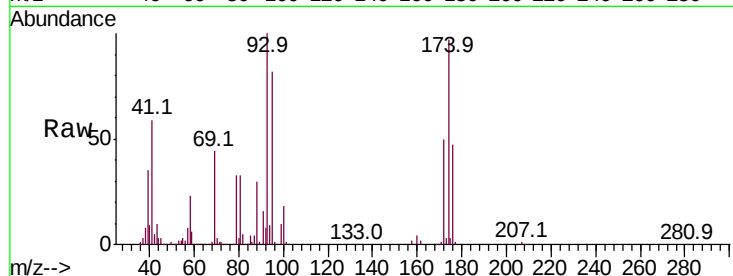
#49
1,4-Dioxane
Concen: 994.581 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	31.0	46.6#
58	73.1	57.0	85.6

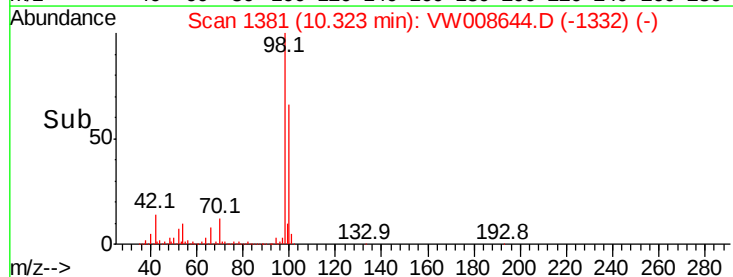
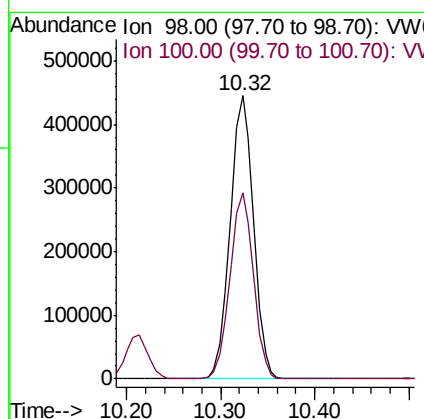
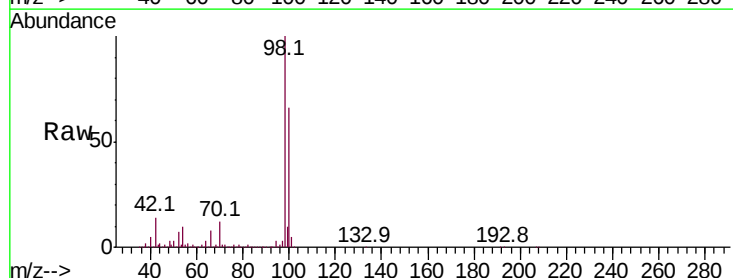
Manual Integrations
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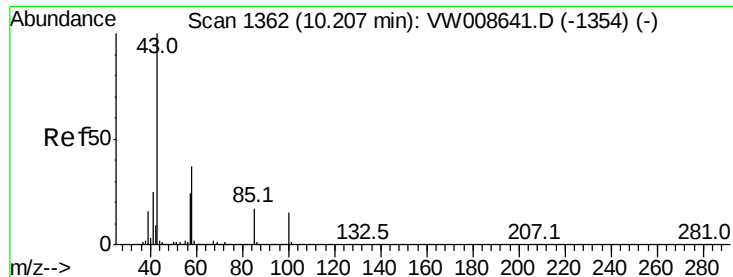
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#50
Toluene-d8
Concen: 51.970 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 255.160 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

Tot Ion: 43 Resp: 779366

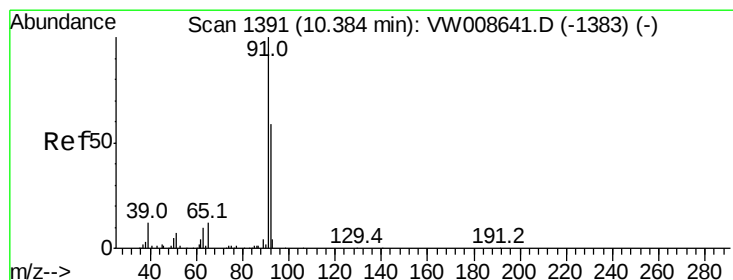
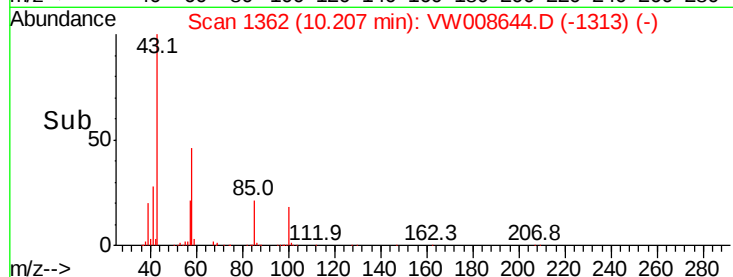
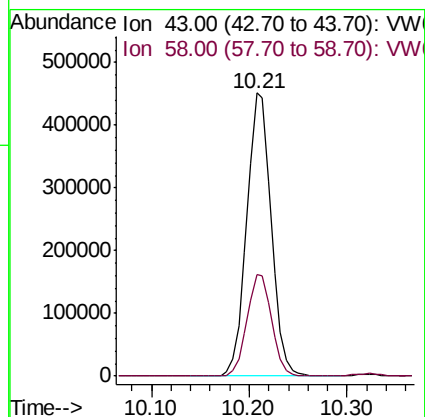
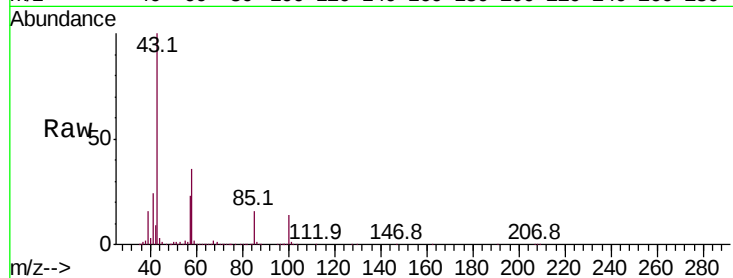
Ion Ratio Lower Upper

43 100

58 36.2 29.0 43.6

Manual Integrations
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#52

Toluene

Concen: 51.677 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008644.D

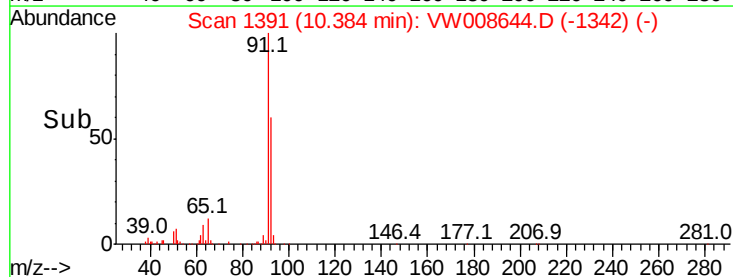
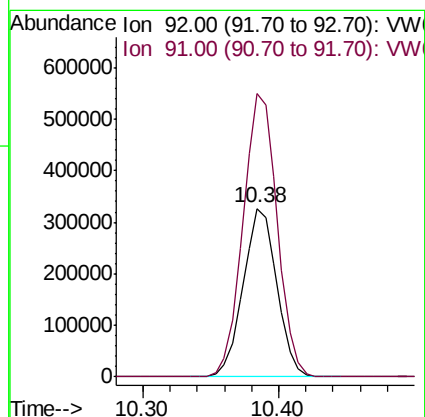
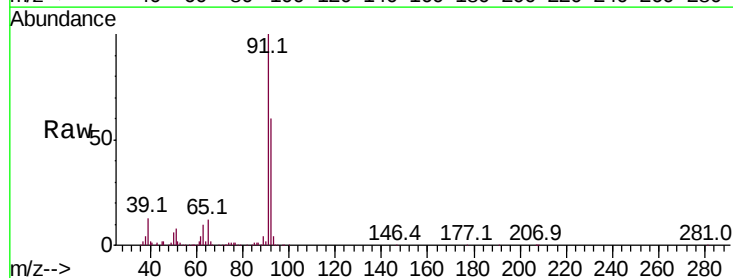
Acq: 13 Feb 2019 16:55

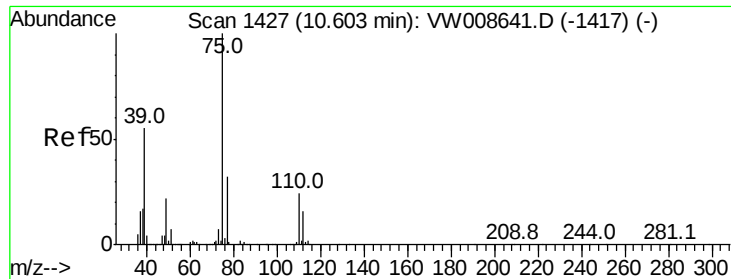
Tgt Ion: 92 Resp: 562841

Ion Ratio Lower Upper

92 100

91 171.0 135.8 203.6





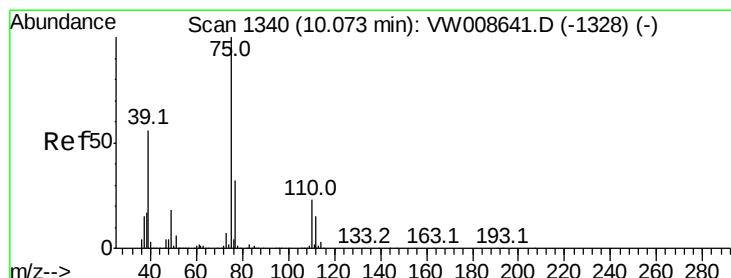
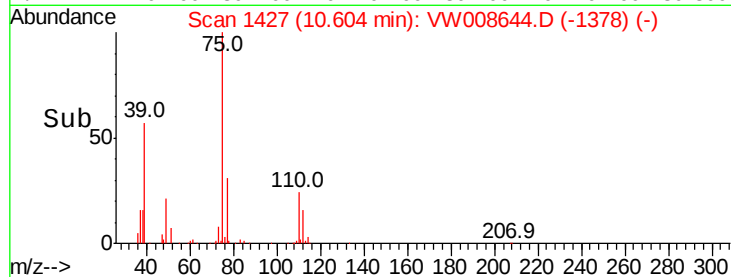
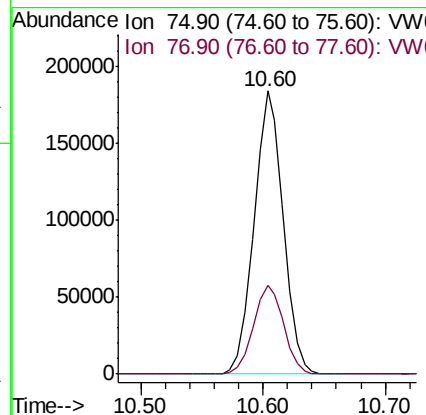
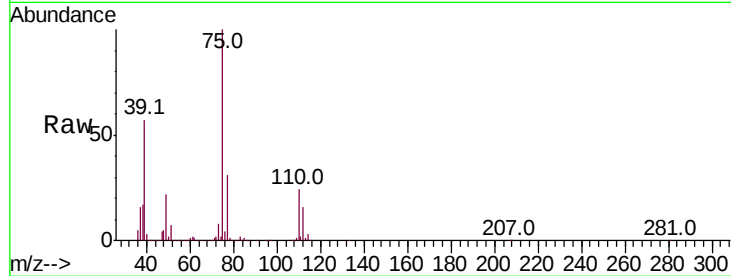
#53
 t-1,3-Dichloropropene
 Concen: 52.262 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5

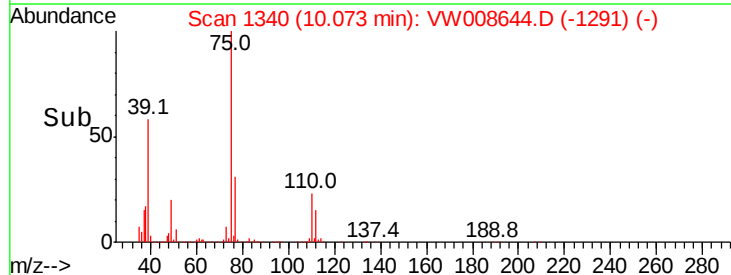
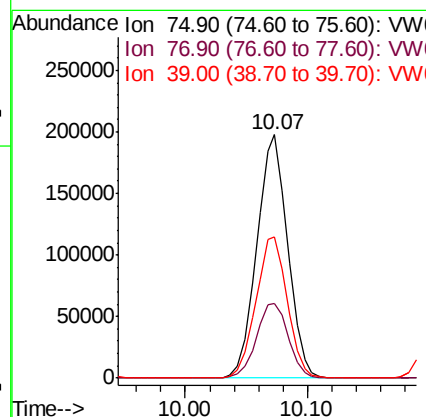
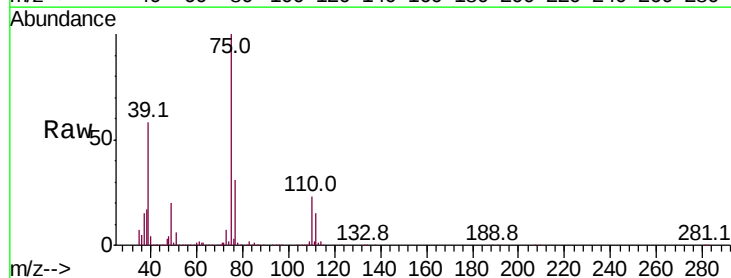
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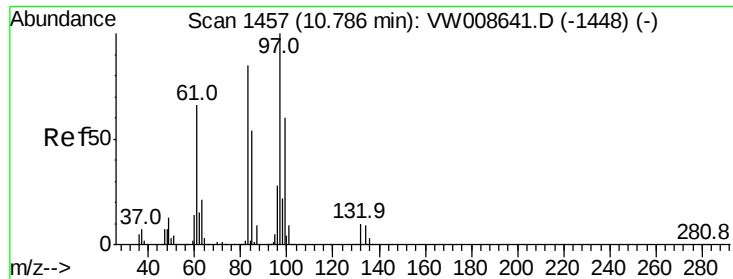
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#54
 cis-1,3-Dichloropropene
 Concen: 52.650 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.0
39	58.0	44.5	66.7





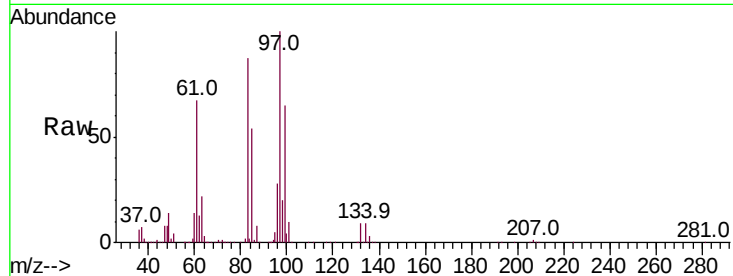
#55
 1,1,2-Trichloroethane
 Concen: 49.468 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

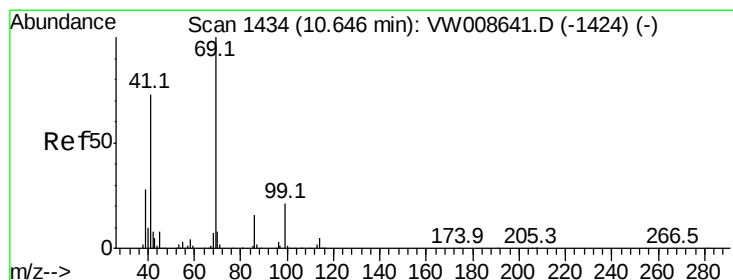
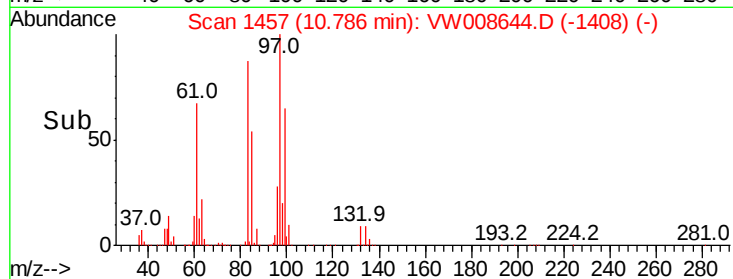
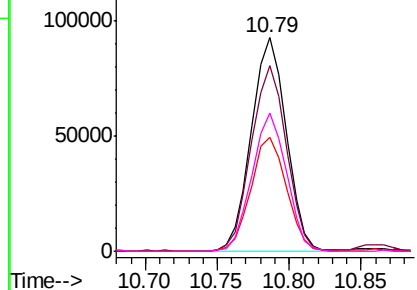
Tot Ion	Ratio	Resp	Lower	Upper
97	100	156225		
83	86.9	68.4	102.6	
85	53.6	43.1	64.7	
99	64.9	47.8	71.8	

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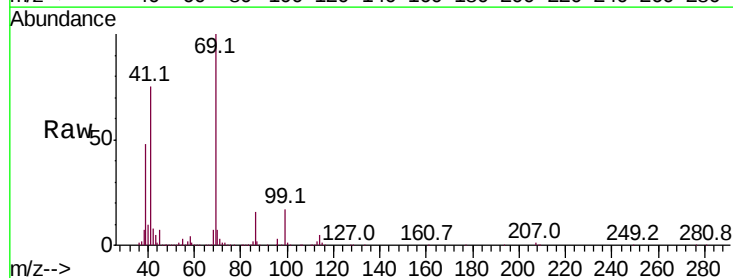


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

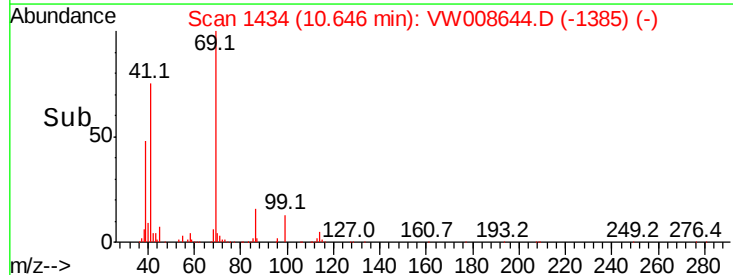
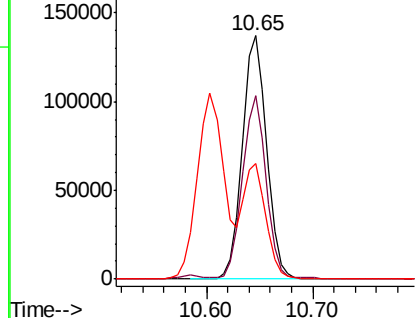


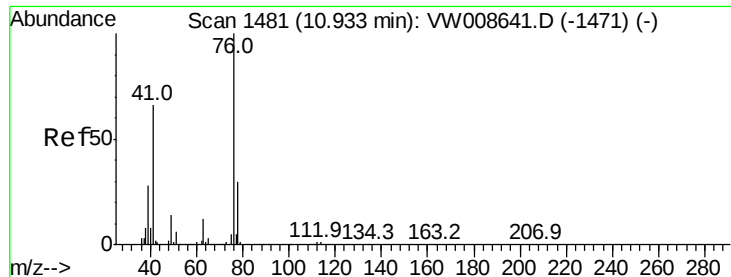
#56
 Ethyl methacrylate
 Concen: 52.503 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	220173		
41	73.2	59.0	88.4	
39	43.2	34.4	51.6	



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 50.795 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

Tot Ion: 76 Resp: 284619

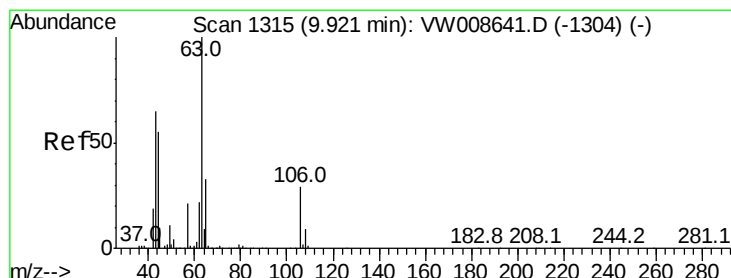
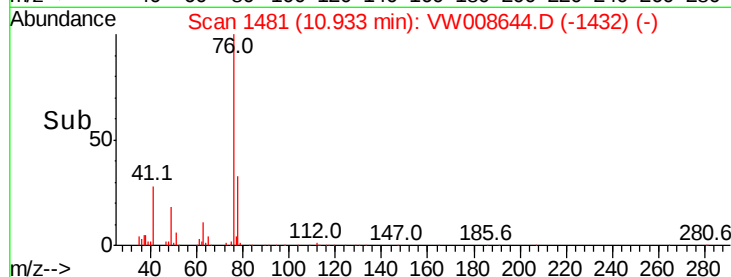
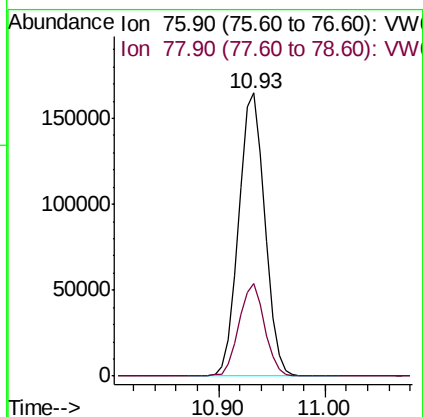
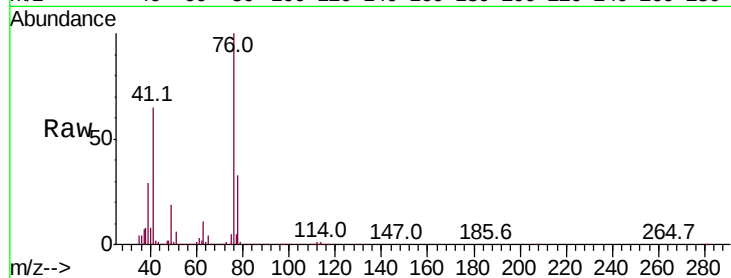
Ion Ratio Lower Upper

76 100

78 32.0 25.4 38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 251.764 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW008644.D

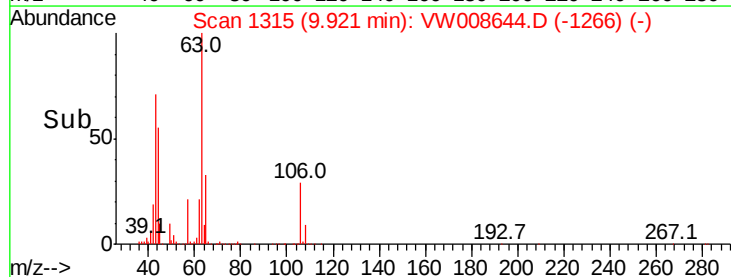
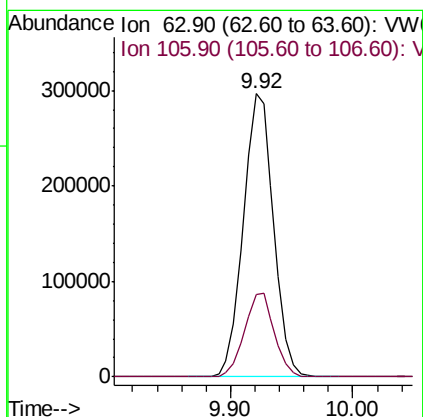
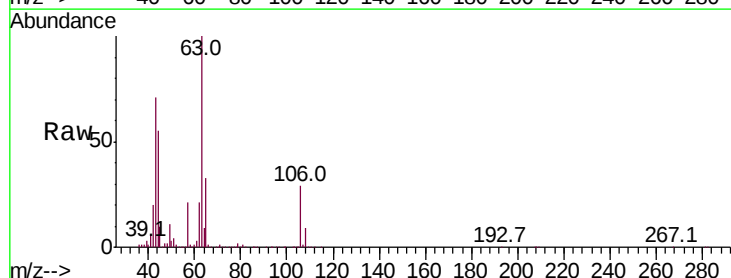
Acq: 13 Feb 2019 16:55

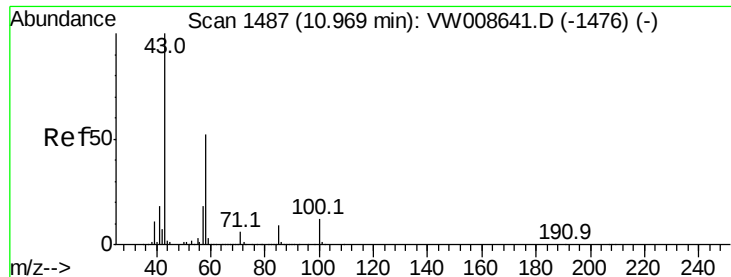
Tgt Ion: 63 Resp: 506461

Ion Ratio Lower Upper

63 100

106 29.3 23.4 35.2





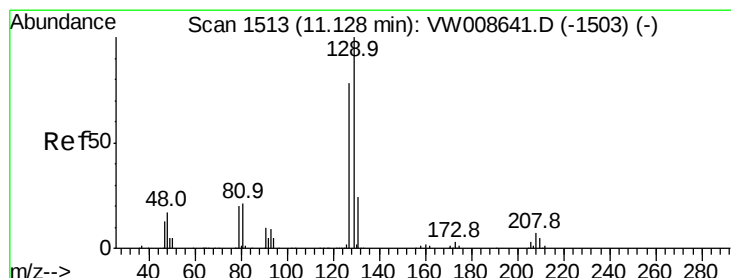
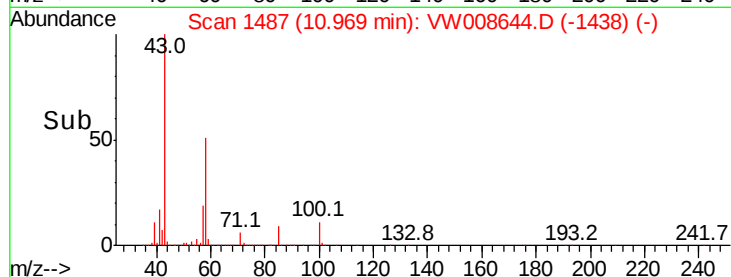
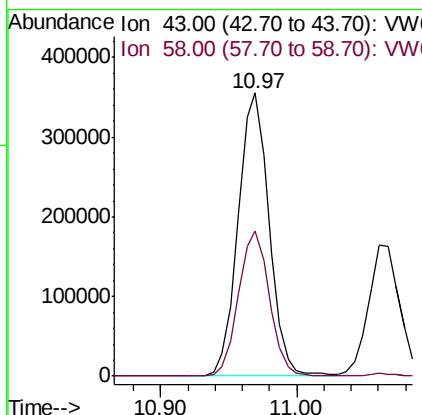
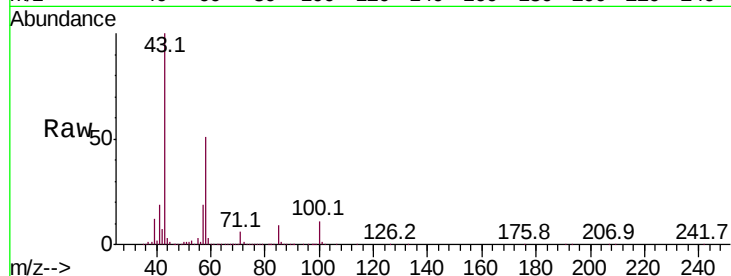
#59
2-Hexanone
Concen: 264.292 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion: 43 Resp: 567099
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.6

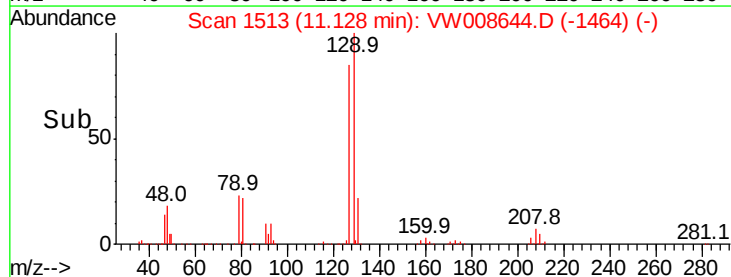
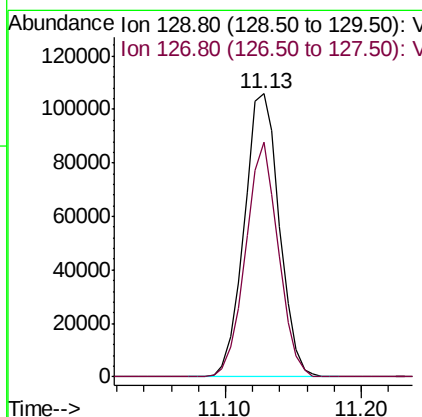
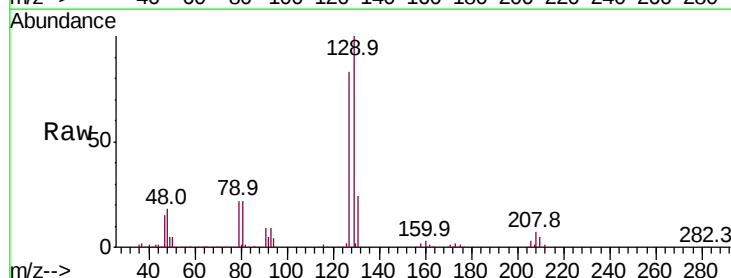
Manual Integrations
APPROVED

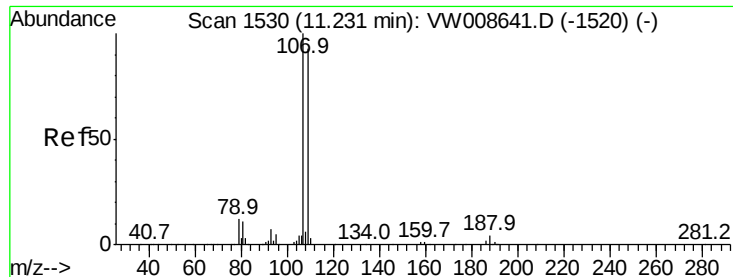
MMDadoda
2/14/2019 2:09:14 PM



#60
Dibromochloromethane
Concen: 50.643 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion: 129 Resp: 191364
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





#61

1,2-Dibromoethane

Concen: 50.304 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

Tot Ion: 107 Resp: 156418

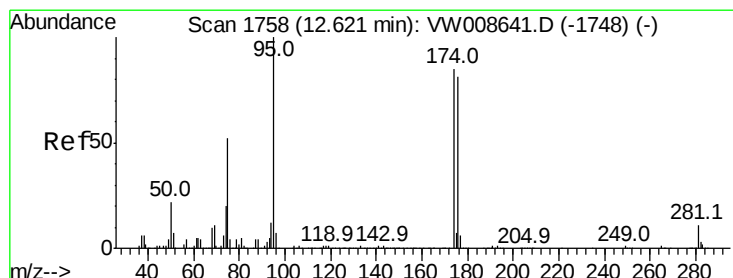
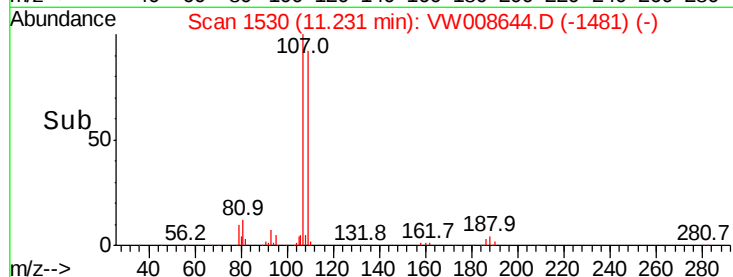
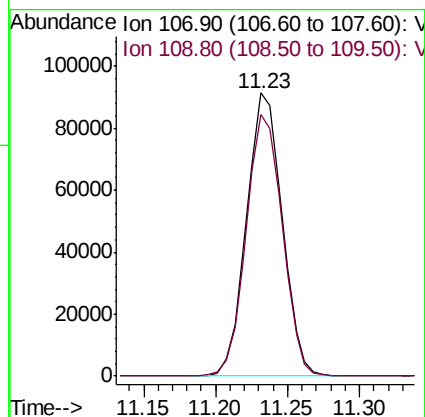
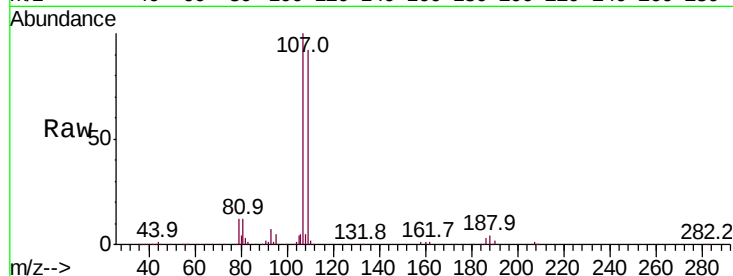
Ion Ratio Lower Upper

107 100

109 93.9 74.8 112.2

Manual Integrations
APPROVED

MMDadoda
2/14/2019 2:09:14 PM



#62

4-Bromofluorobenzene

Concen: 52.451 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

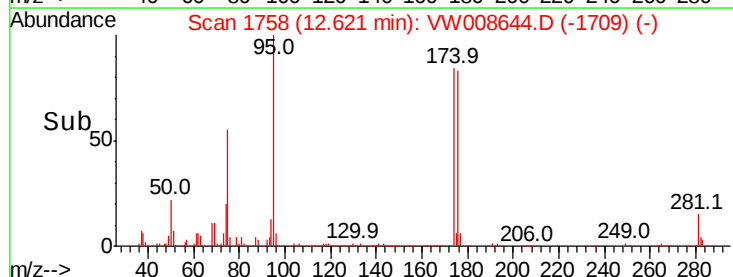
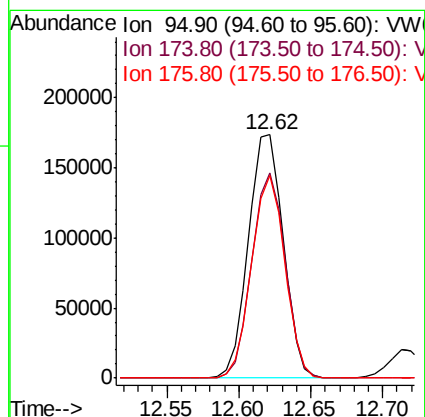
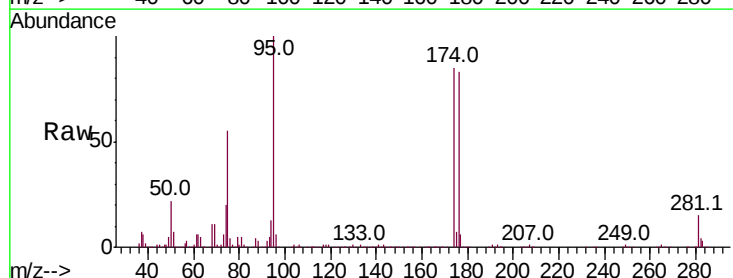
Tgt Ion: 95 Resp: 290974

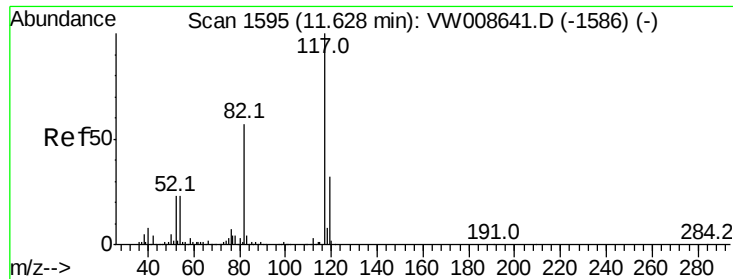
Ion Ratio Lower Upper

95 100

174 80.7 0.0 163.2

176 79.3 0.0 158.0





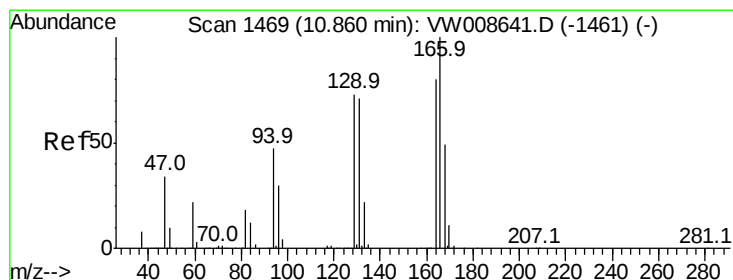
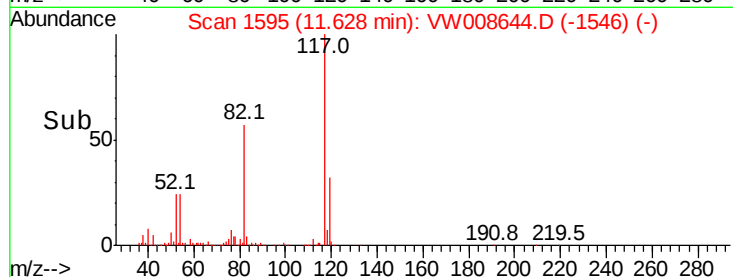
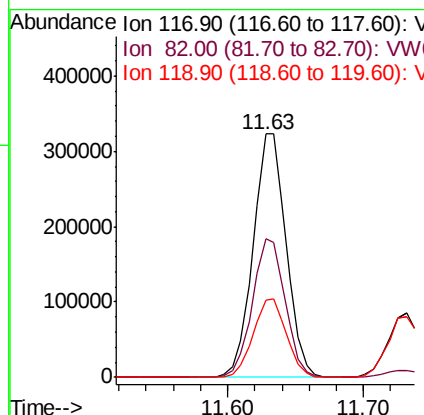
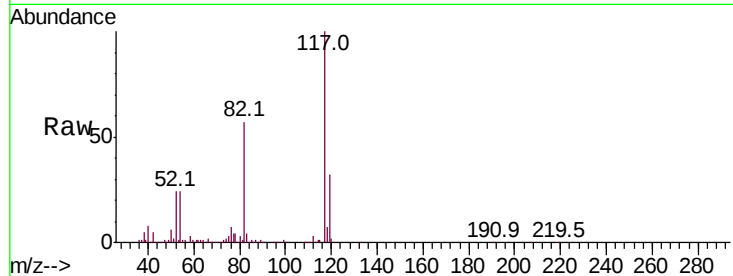
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Resp	Lower	Upper
117	100	549191		
82	57.0		45.6	68.4
119	31.8		25.7	38.5

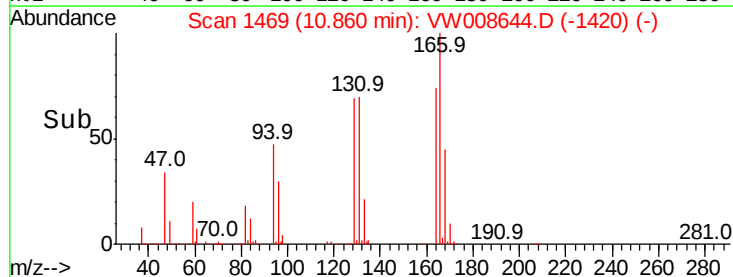
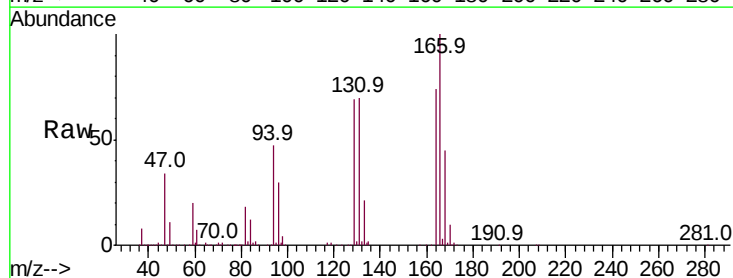
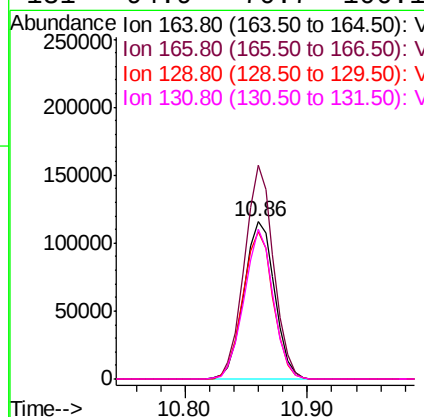
Manual Integrations
APPROVED

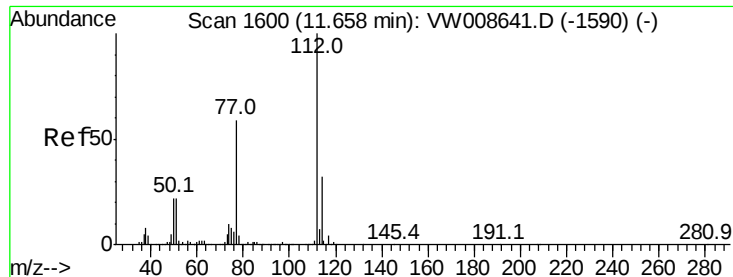
MMDadoda
2/14/2019 2:09:14 PM



#64
Tetrachloroethene
Concen: 49.433 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	201886		
166	135.8		100.2	150.2
129	93.3		73.6	110.4
131	94.9		70.7	106.1





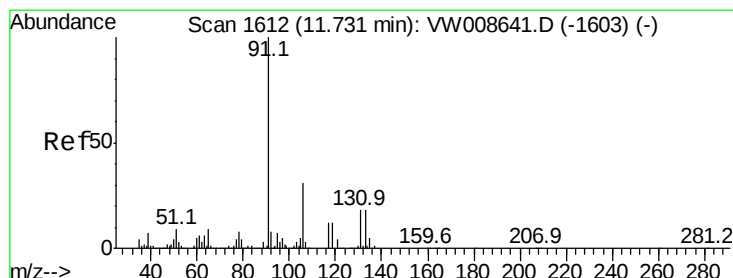
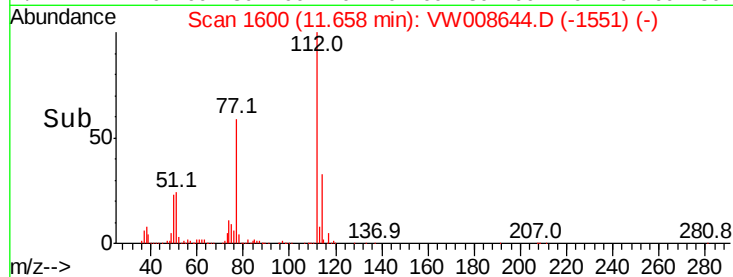
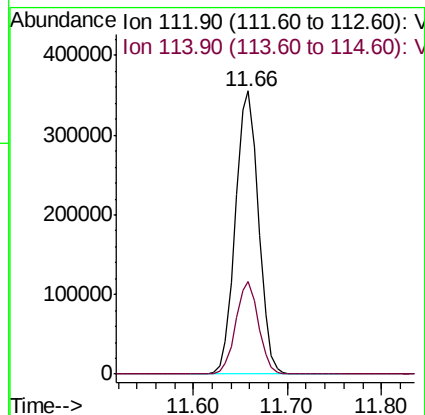
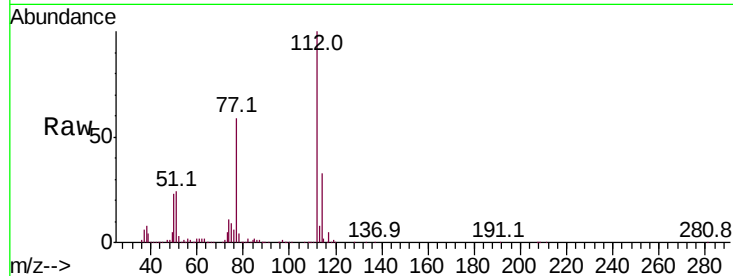
#65
Chlorobenzene
Concen: 50.957 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Resp	Lower	Upper
112	100	603180		
114	32.8	25.7	38.5	

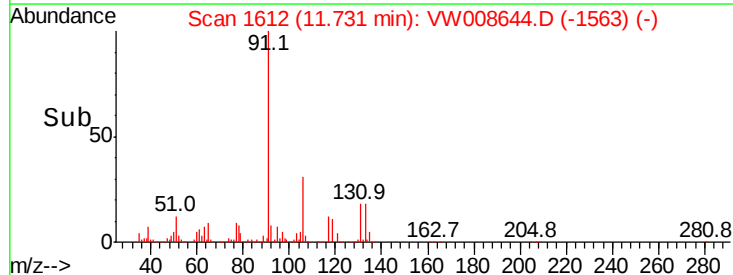
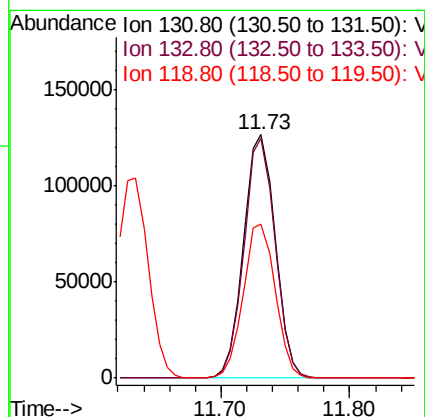
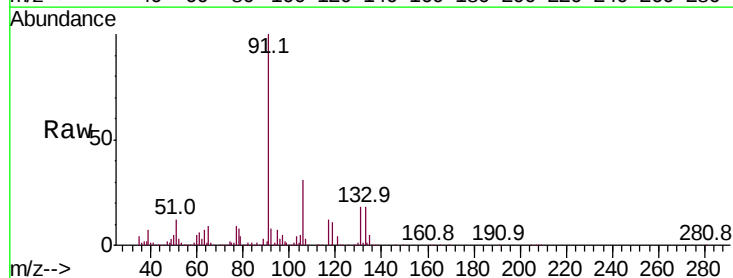
Manual Integrations
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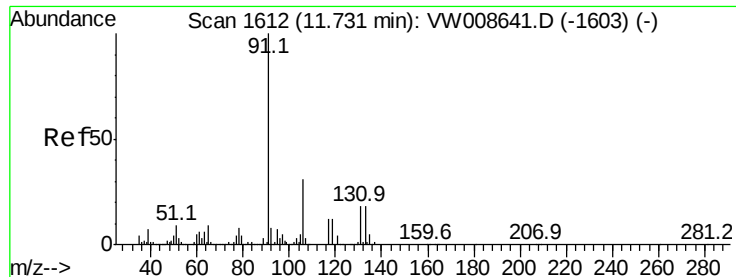
MMDadoda
2/14/2019 2:09:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.178 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	214605		
133	96.8	47.8	143.4	
119	64.2	31.6	94.8	





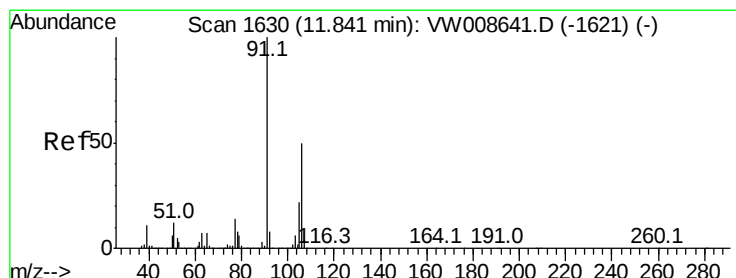
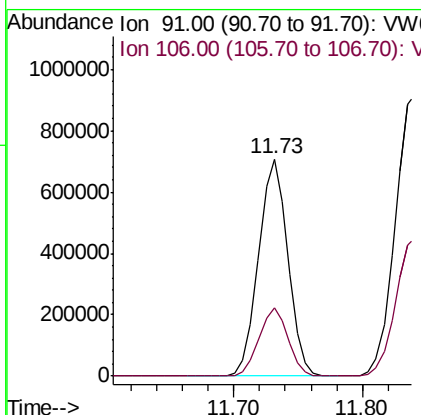
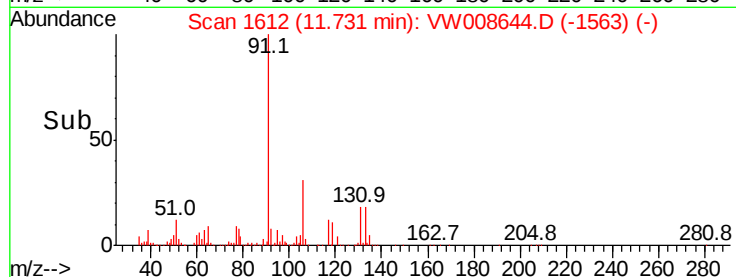
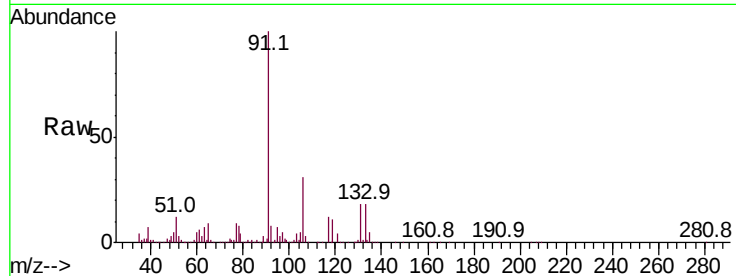
#67
Ethyl Benzene
Concen: 52.586 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampled :
ICVW021319

Tot Ion: 91 Resp: 1108802
Ion Ratio Lower Upper
91 100
106 31.3 24.5 36.7

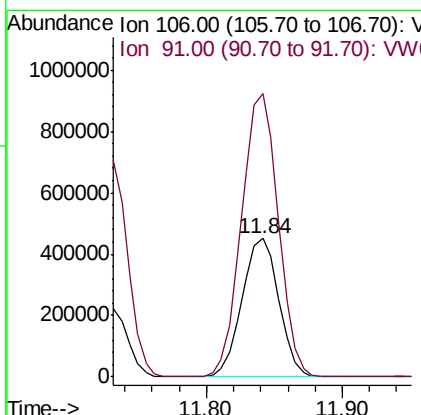
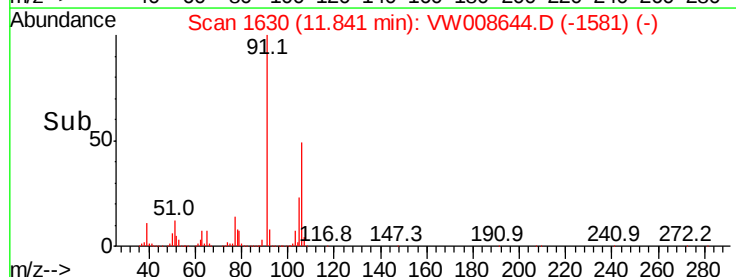
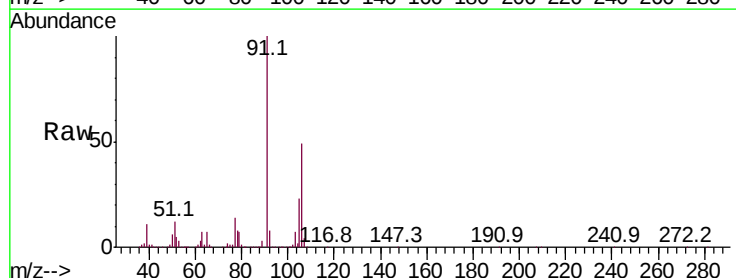
Manual Integrations
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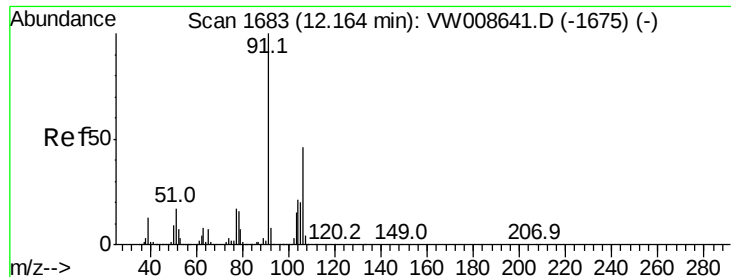
MMDadoda
2/14/2019 2:09:14 PM



#68
m/p-Xylenes
Concen: 104.430 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion: 106 Resp: 856760
Ion Ratio Lower Upper
106 100
91 203.7 161.0 241.4





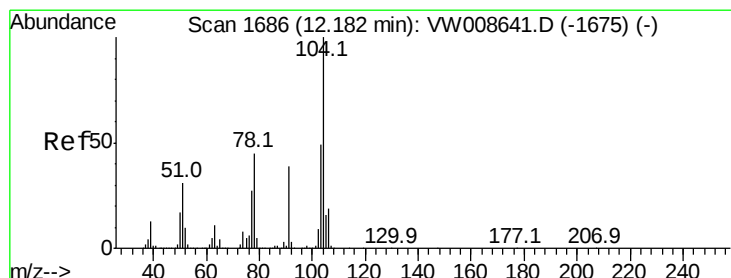
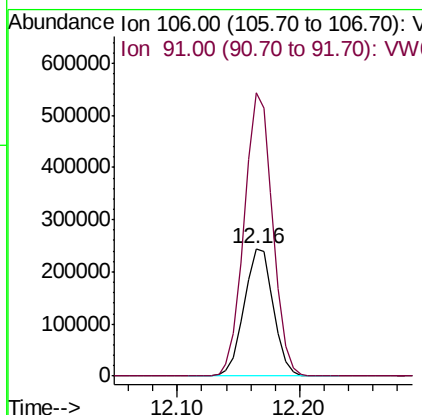
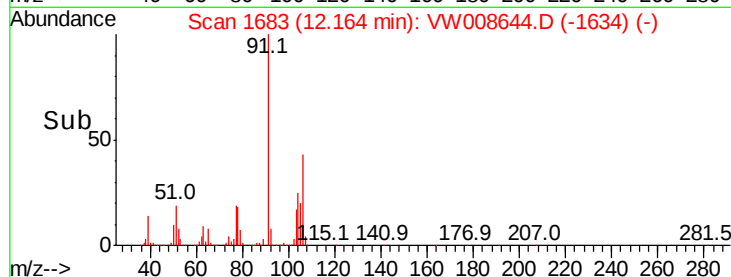
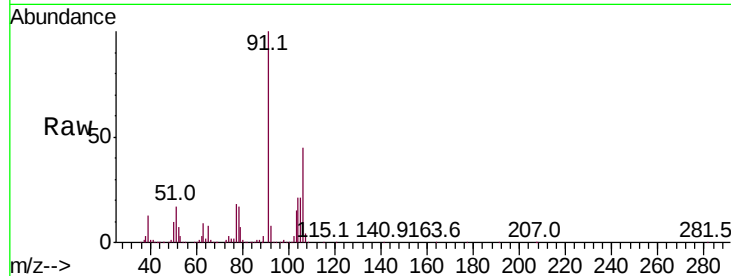
#69
o-Xylene
Concen: 52.133 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion:106 Resp: 404287
Ion Ratio Lower Upper
106 100
91 216.9 106.7 320.1

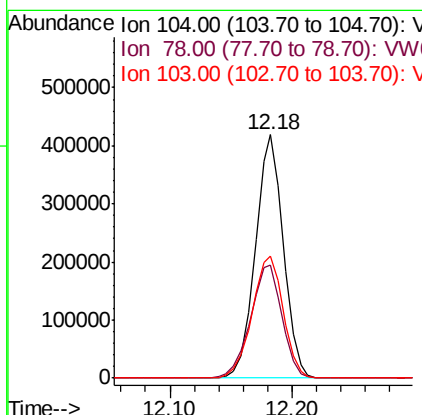
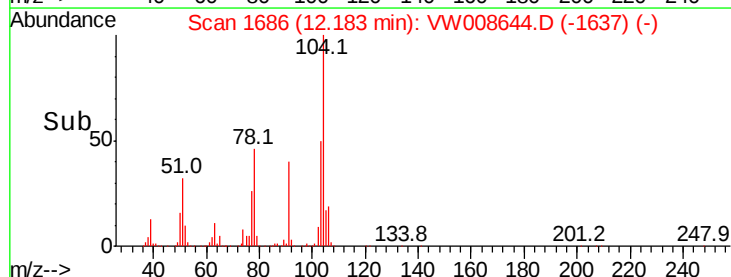
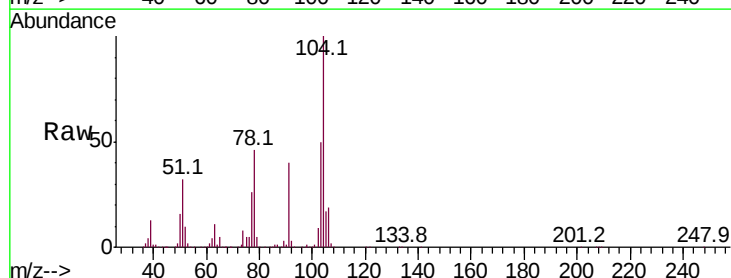
Manual Integrations
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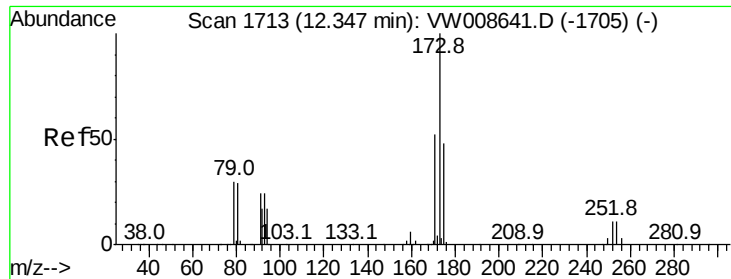
MMDadoda
2/14/2019 2:09:14 PM



#70
Styrene
Concen: 52.606 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion:104 Resp: 666334
Ion Ratio Lower Upper
104 100
78 52.3 41.5 62.3
103 55.9 43.5 65.3





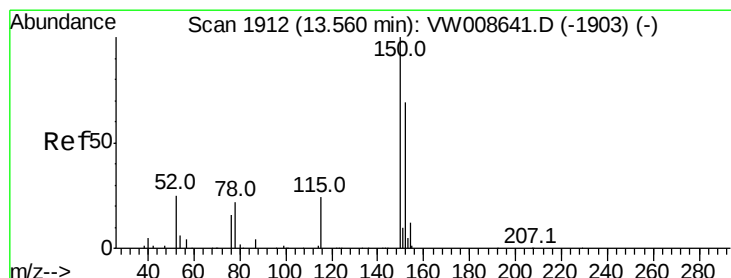
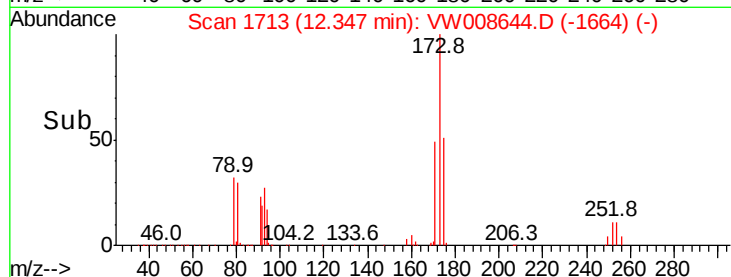
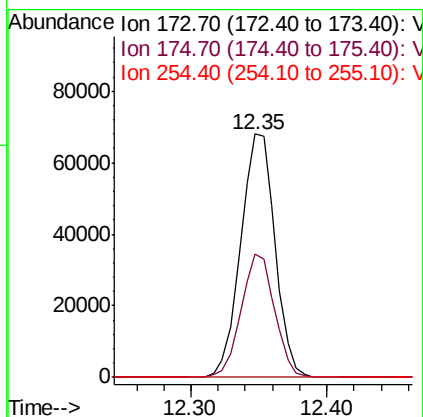
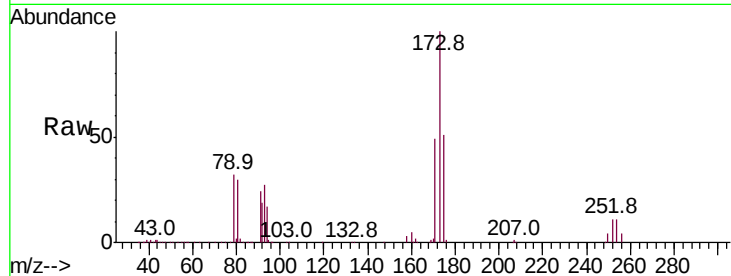
#71
Bromoform
Concen: 52.946 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Resp	Lower	Upper
173	100			
175	49.5	24.9	74.7	
254	0.2	0.1	0.1#	

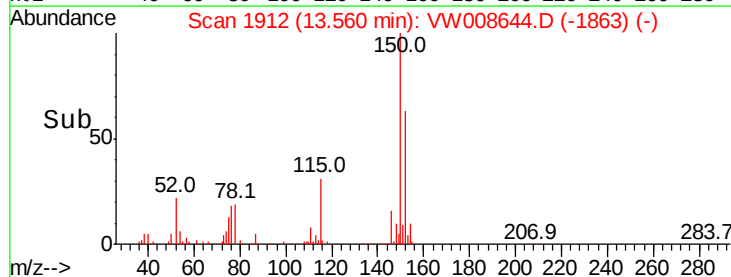
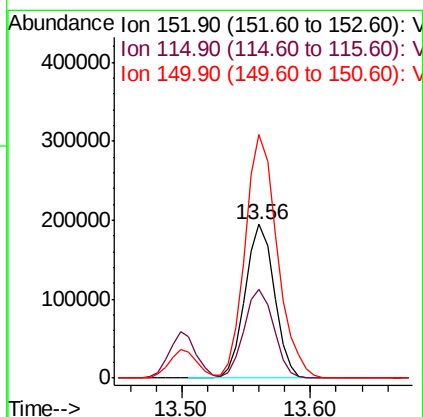
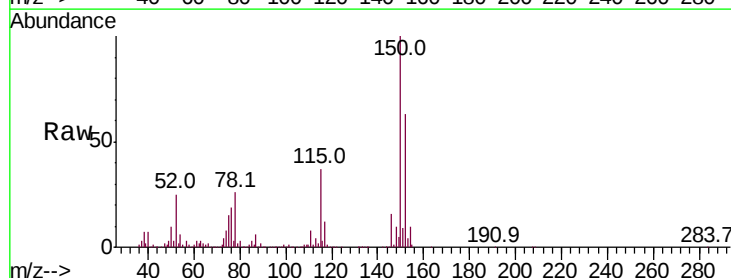
Manual Integrations
APPROVED

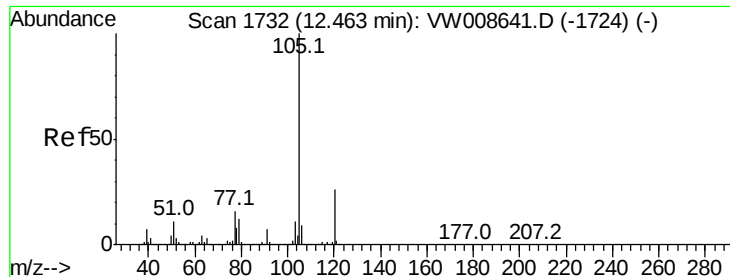
MMDadoda
2/14/2019 2:09:14 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
115	58.4	29.3	87.8	
150	174.4	0.0	352.8	





#73

Isopropylbenzene

Concen: 50.547 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

Tot Ion:105 Resp: 1146801

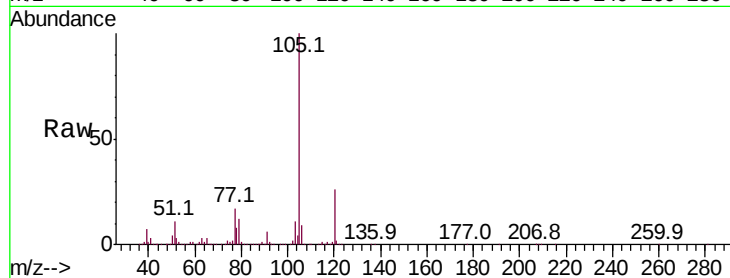
Ion Ratio Lower Upper

105 100

120 26.5 13.2 39.6

Manual Integrations
APPROVED

MMDadoda
2/14/2019 2:09:14 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

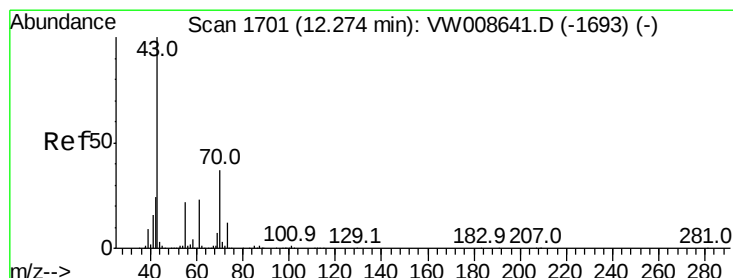
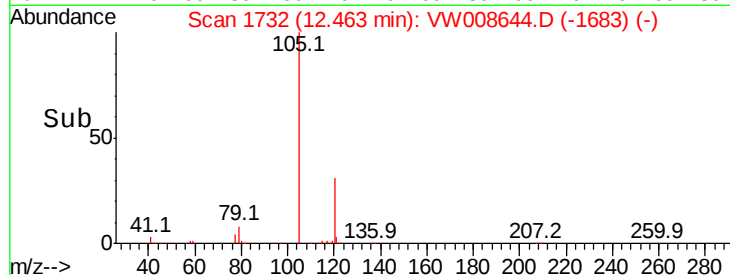
200000

0

12.46

12.40 12.50

Time-->



#74

N-ethyl acetate

Concen: 50.513 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tgt Ion: 43 Resp: 309904

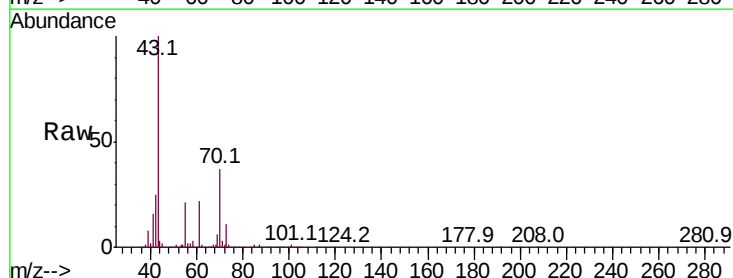
Ion Ratio Lower Upper

43 100

70 38.4 30.5 45.7

55 21.7 17.6 26.4

61 21.8 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

300000

200000

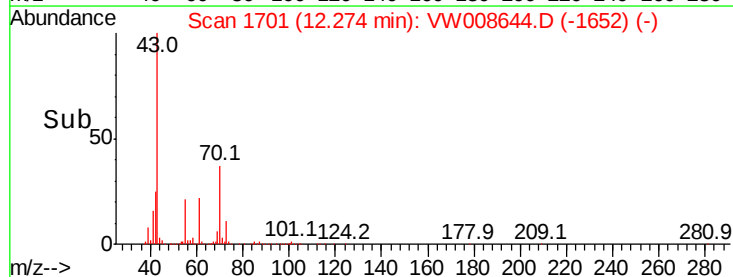
100000

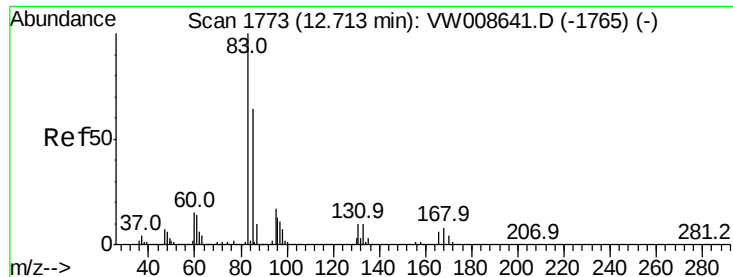
0

12.27

12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 48.909 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

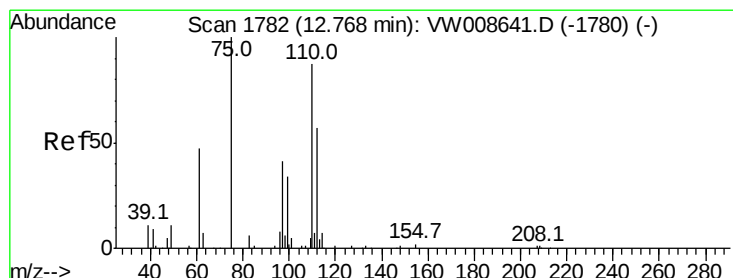
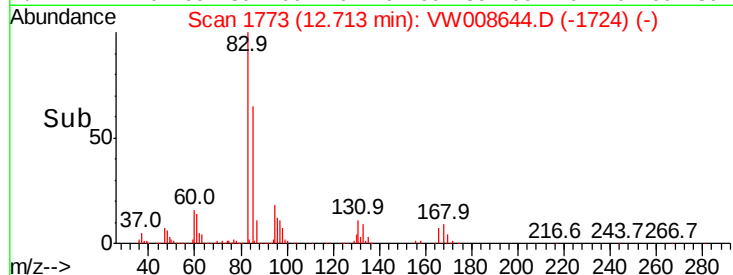
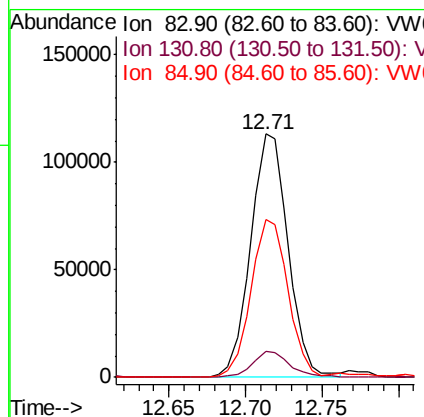
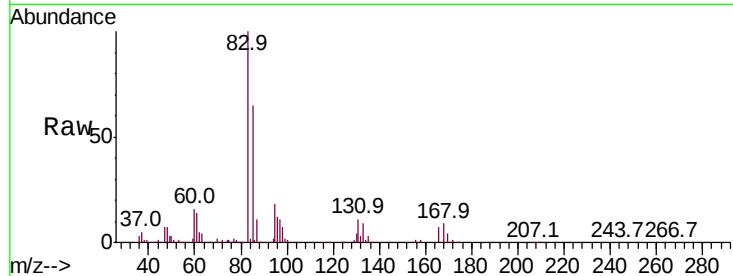
ClientSampleId :

ICVW021319

Tot Ion:	83	Resp:	193063
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.7
85	64.1	31.8	95.3

Manual Integrations
APPROVED

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2/14/2019 2:09:14 PM



#76

1,2,3-Trichloropropane

Concen: 46.817 ug/l m

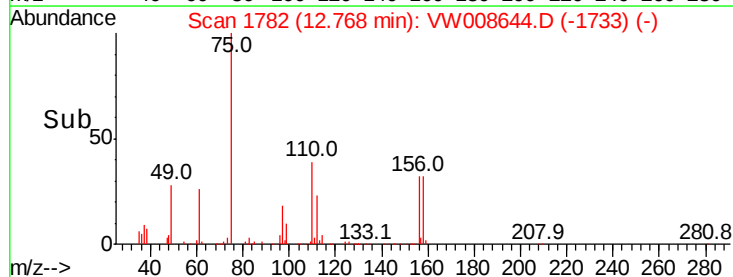
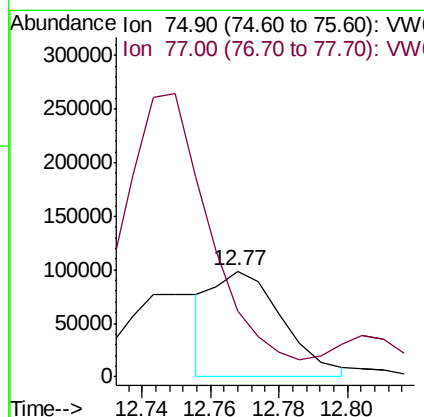
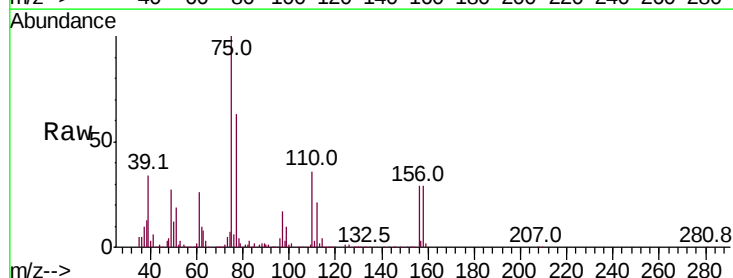
RT: 12.77 min Scan# 1782

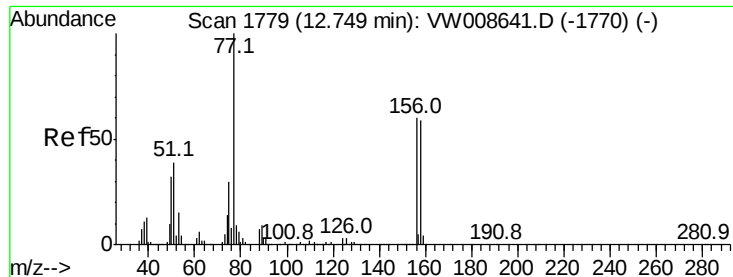
Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tgt Ion:	75	Resp:	140807
Ion Ratio	Lower	Upper	
75	100		
77	340.9	0.0	0.0#





#77

Bromobenzene

Concen: 49.099 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

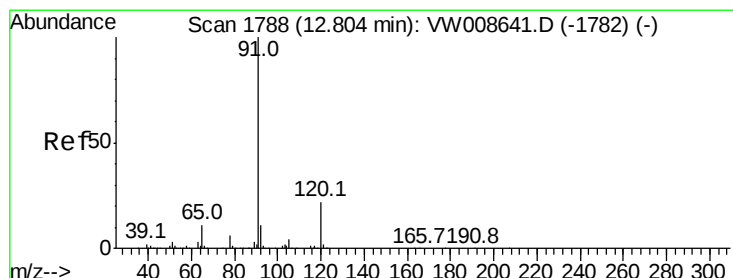
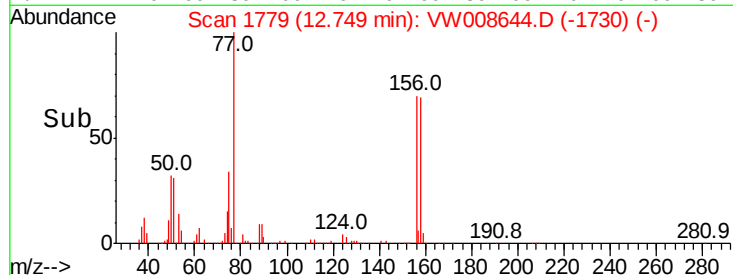
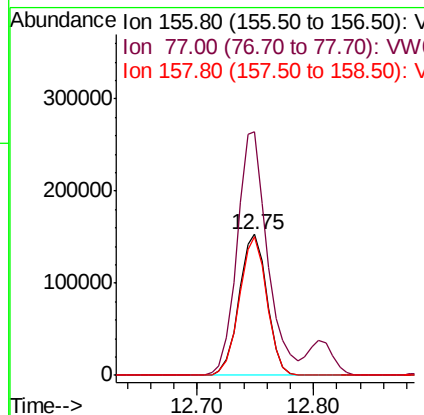
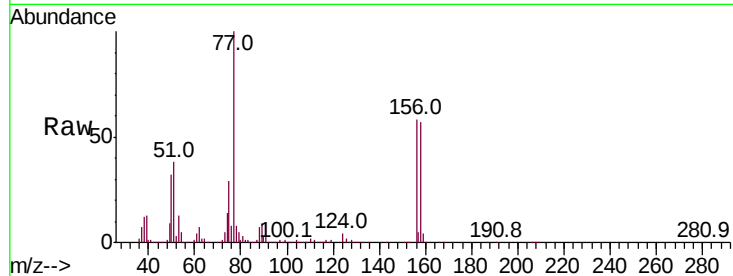
ClientSampleId :

ICVW021319

Tot Ion:	156	Resp:	256061
Ion Ratio	Lower	Upper	
156	100		
77	187.4	93.2	279.5
158	96.4	48.5	145.5

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#78

n-propylbenzene

Concen: 51.337 ug/l

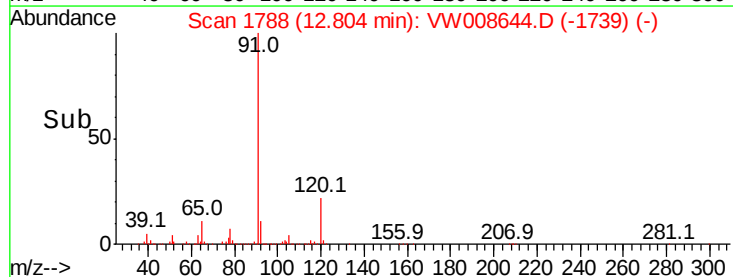
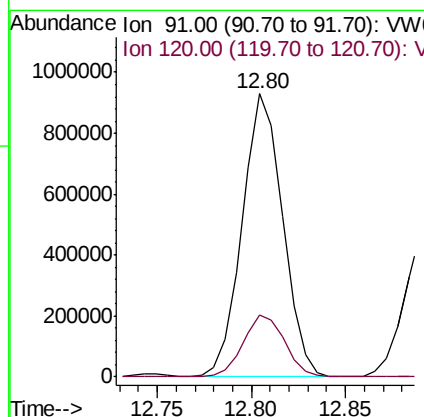
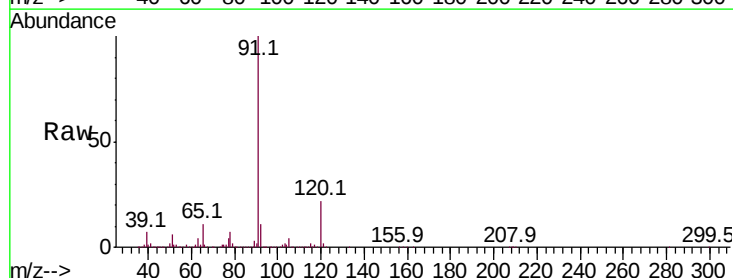
RT: 12.80 min Scan# 1788

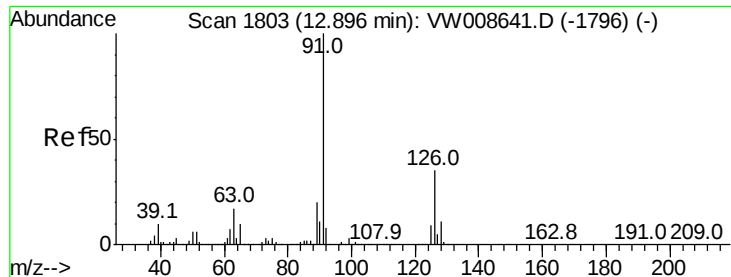
Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tgt Ion:	91	Resp:	1383889
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.4	34.2





#79

2-Chlorotoluene

Concen: 51.307 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

Tot Ion: 91 Resp: 781679

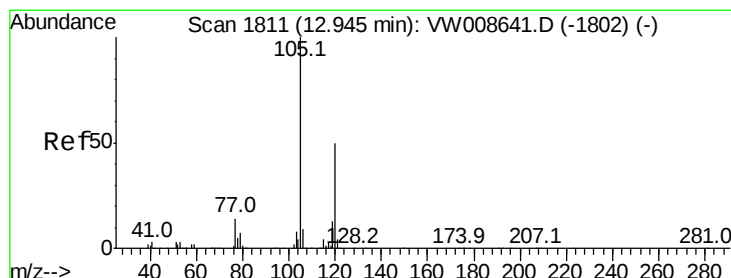
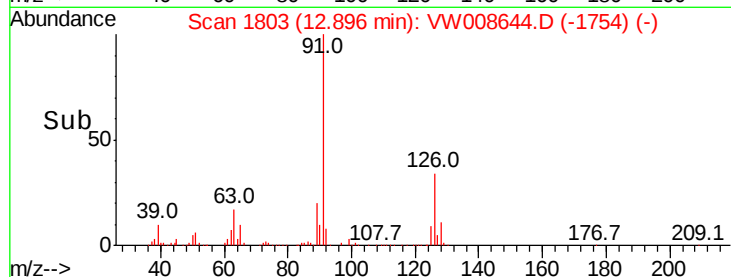
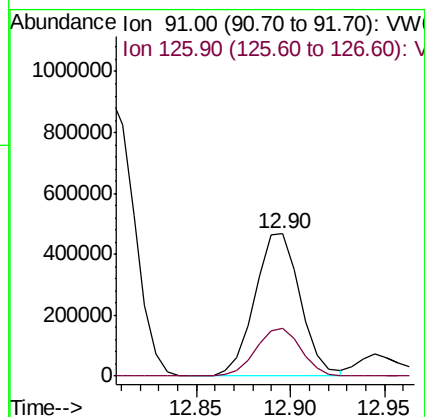
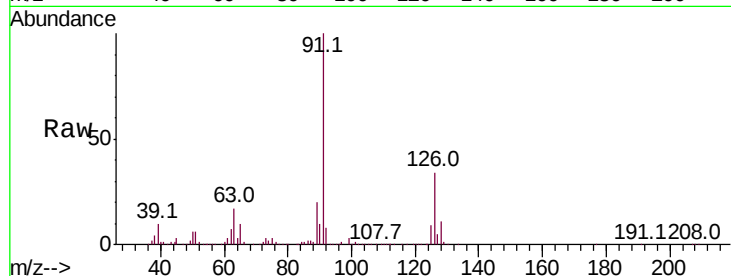
Ion Ratio Lower Upper

91 100

126 33.1 17.0 50.9

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 50.568 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008644.D

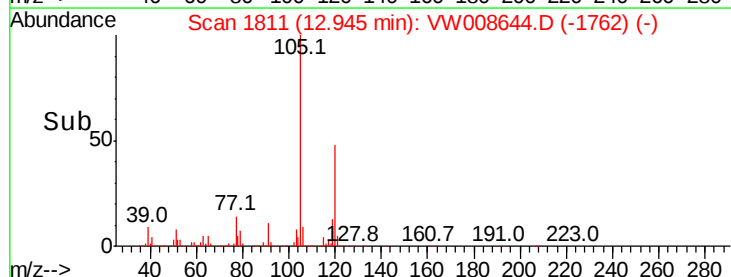
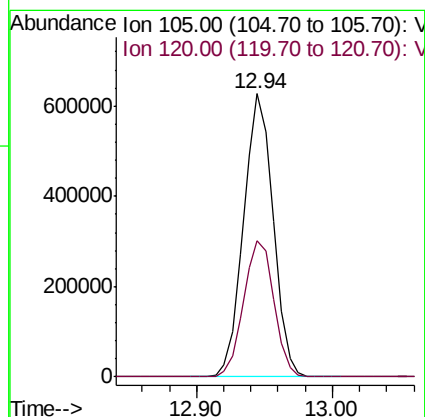
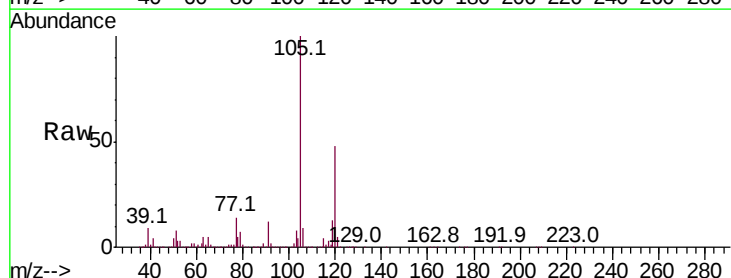
Acq: 13 Feb 2019 16:55

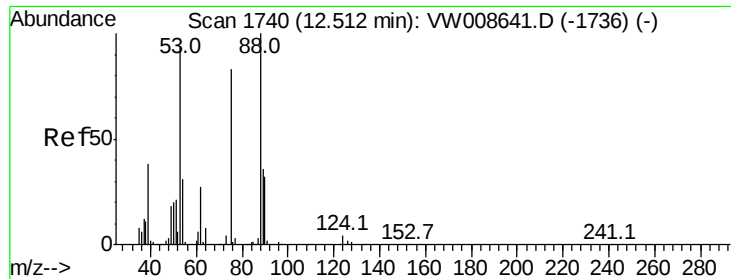
Tgt Ion:105 Resp: 952944

Ion Ratio Lower Upper

105 100

120 49.4 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 47.713 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008644.D

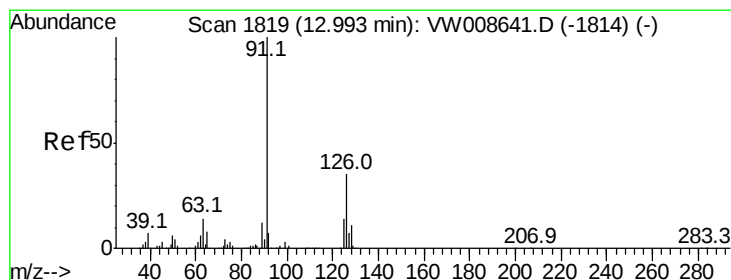
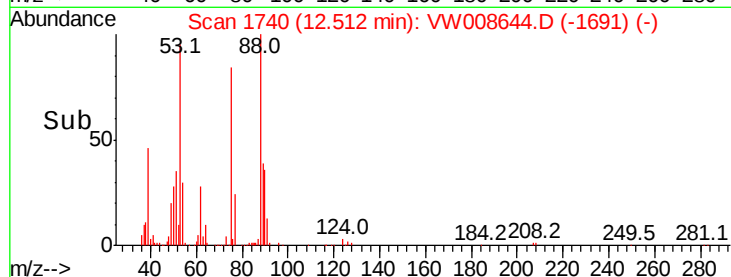
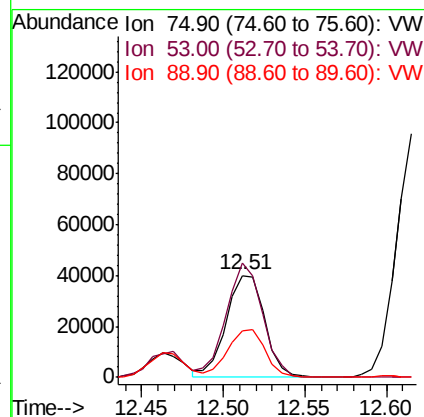
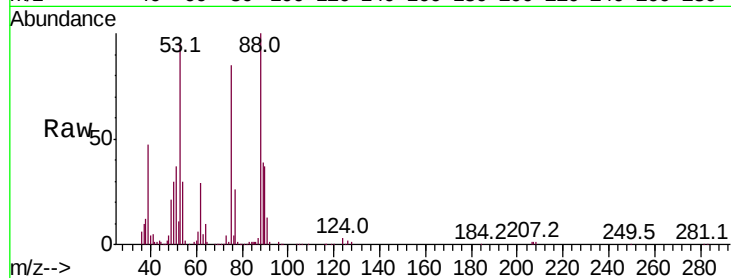
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.7	87.4	131.0
89	46.6	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.052 ug/l

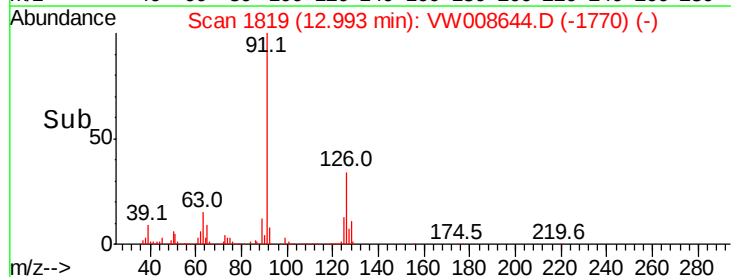
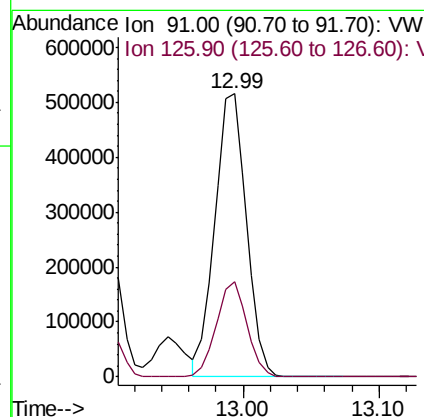
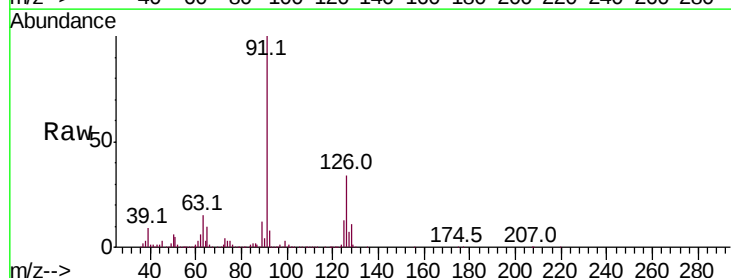
RT: 12.99 min Scan# 1819

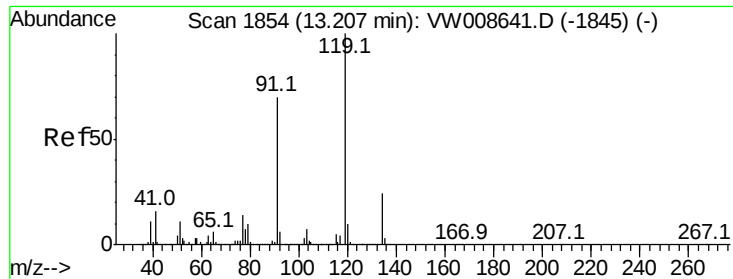
Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.9	50.7





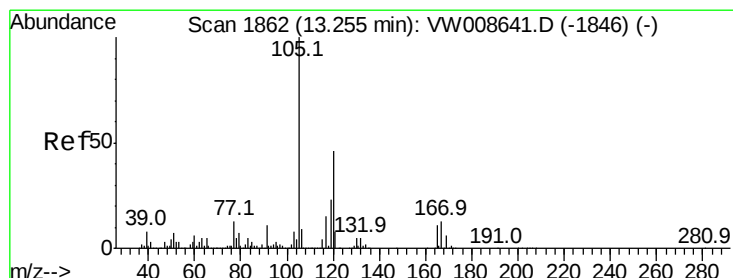
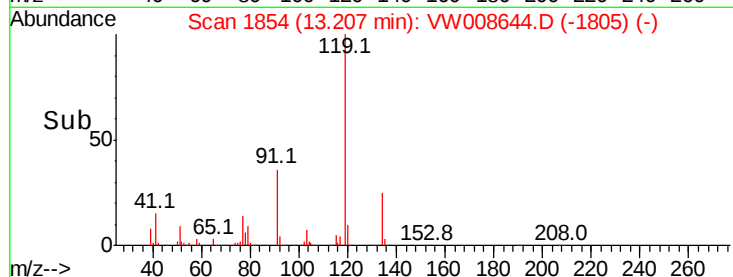
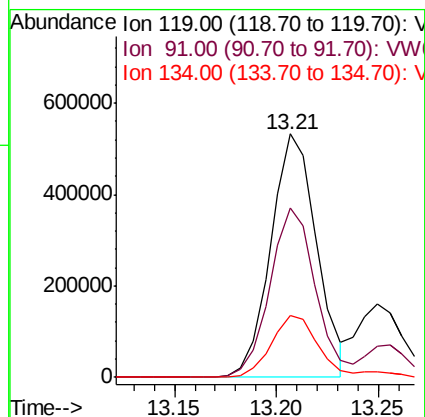
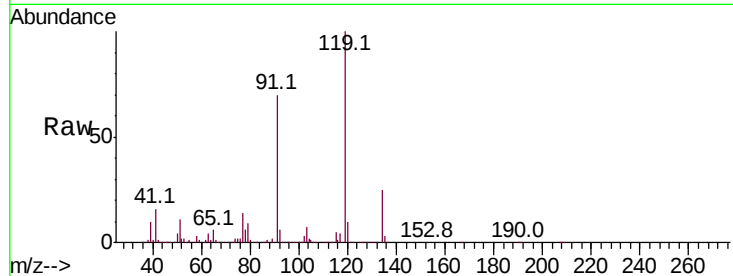
#83
tert-Butylbenzene
Concen: 51.094 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Resp	Lower	Upper
119	100	836061		
91	69.4	34.0	102.0	
134	25.5	13.6	40.8	

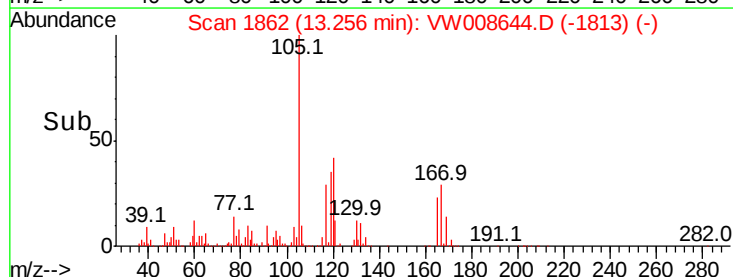
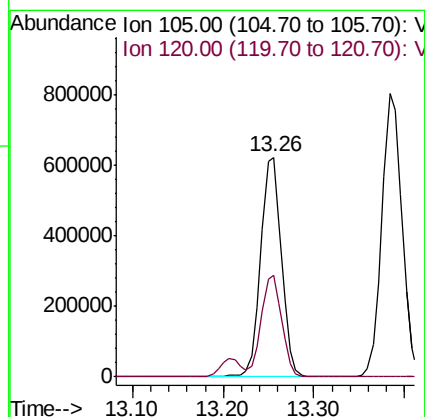
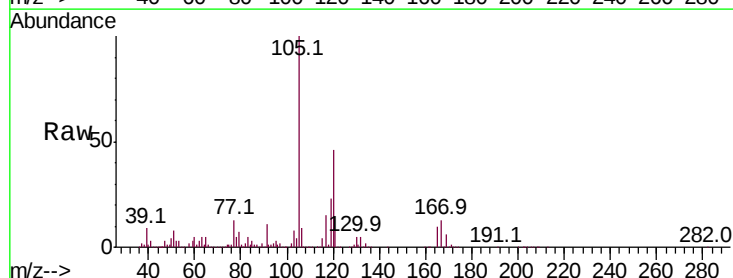
Manual Integrations
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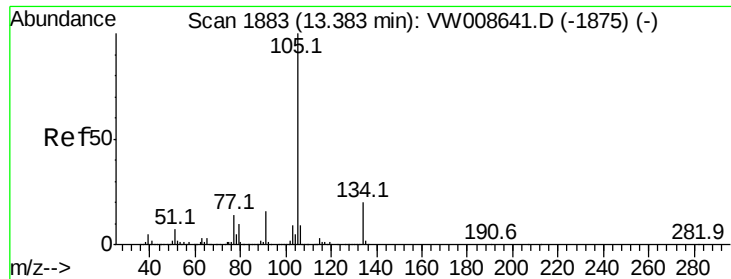
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#84
1,2,4-Trimethylbenzene
Concen: 51.066 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	989073		
120	45.5	22.9	68.8	





#85

sec-Butylbenzene

Concen: 51.852 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

ICVW021319

Tot Ion:105 Resp: 1235419

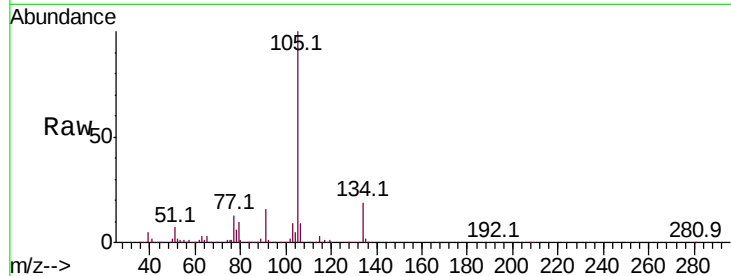
Ion Ratio Lower Upper

105 100

134 20.1 10.3 30.8

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

400000

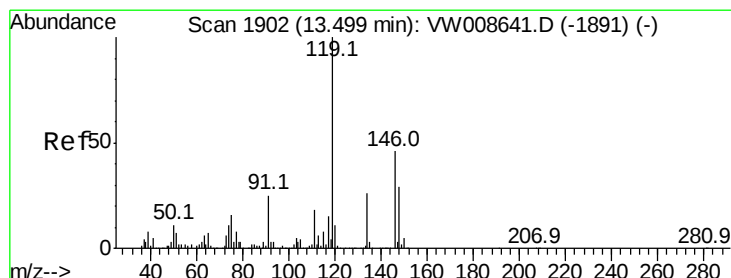
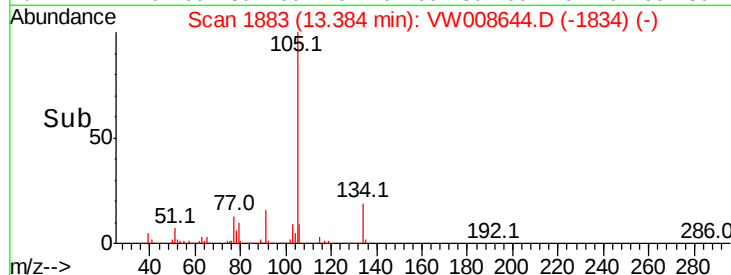
200000

0

13.30

13.40

Time-->



#86

p-Isopropyltoluene

Concen: 51.400 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

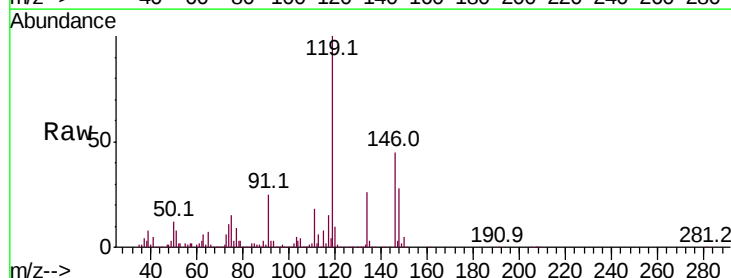
Tgt Ion:119 Resp: 1095573

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

91 24.8 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

400000

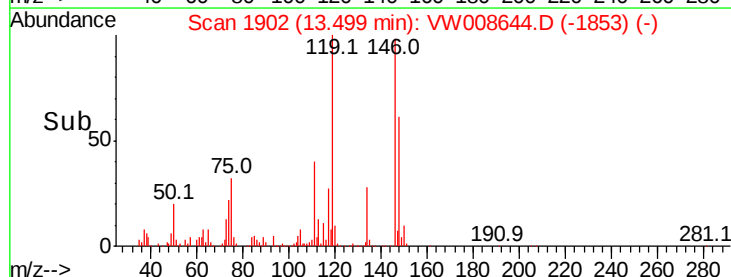
200000

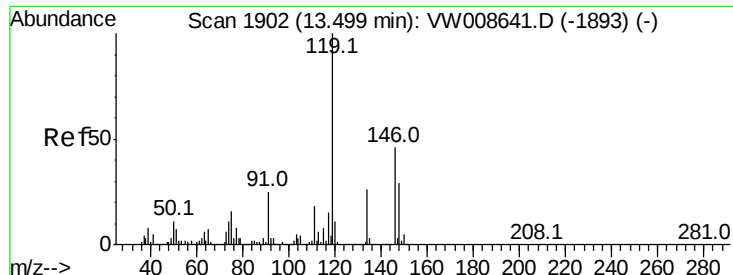
0

13.40

13.50

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.693 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

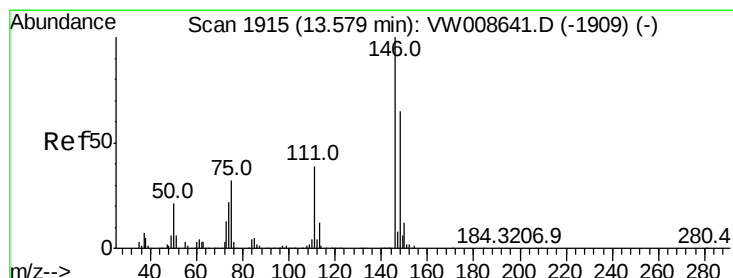
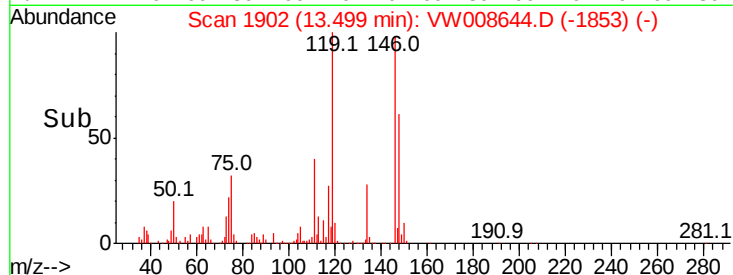
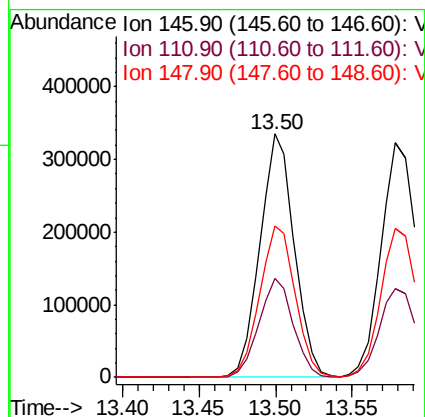
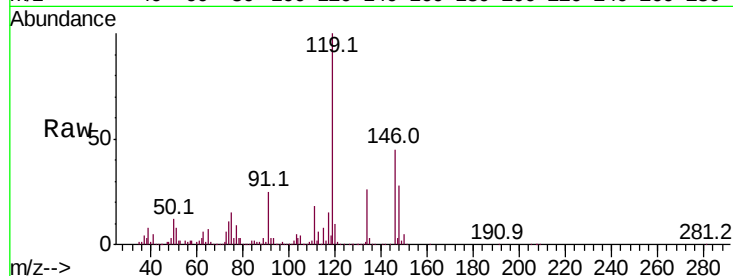
Instrument :
MSVOA_W

ClientSampleId :
ICVW021319

Tot Ion	Ratio	Resp	Lower	Upper
146	100	525364		
111	40.3	19.4	58.1	
148	64.0	31.6	94.8	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.007 ug/l

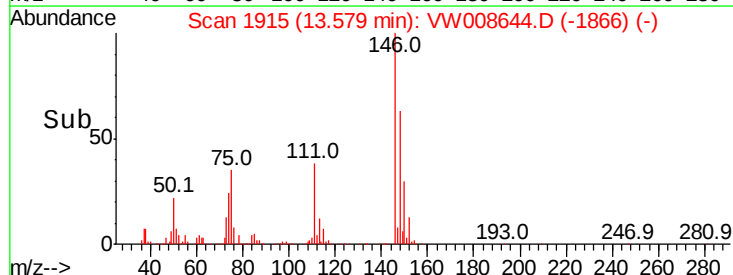
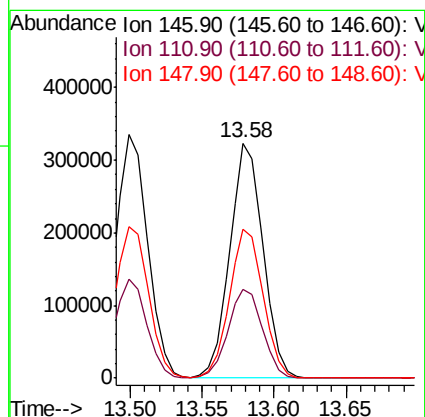
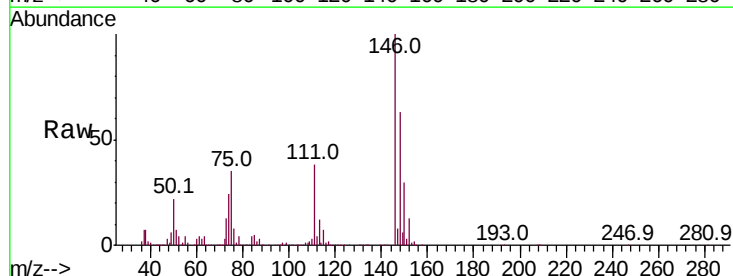
RT: 13.58 min Scan# 1915

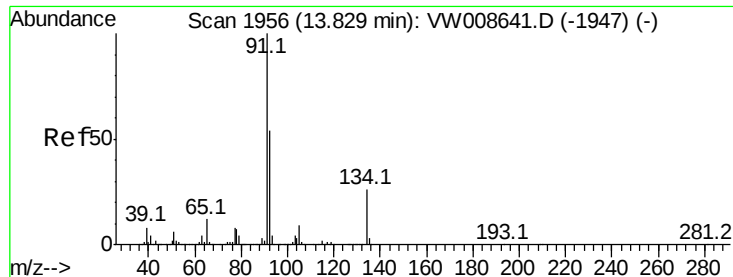
Delta R.T. 0.00 min

Lab File: VW008644.D

Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	521047		
111	39.2	19.4	58.1	
148	64.1	31.8	95.4	





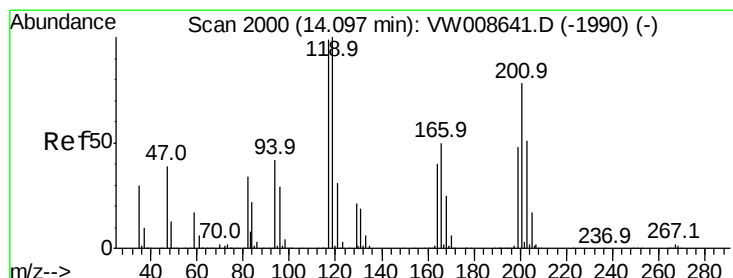
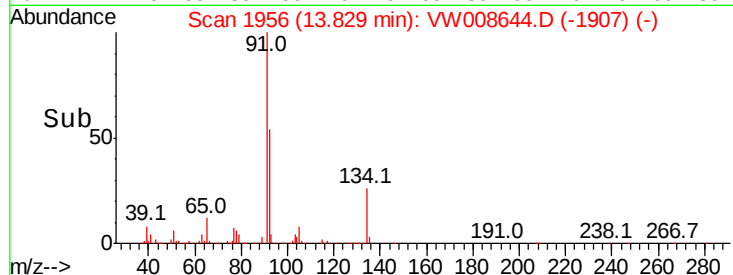
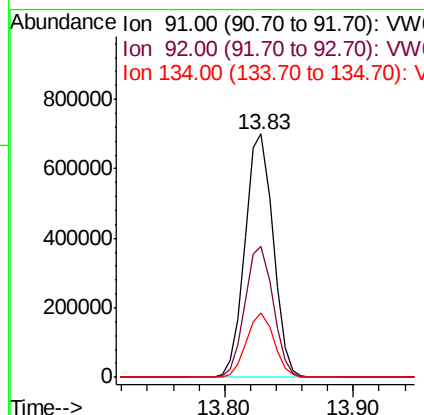
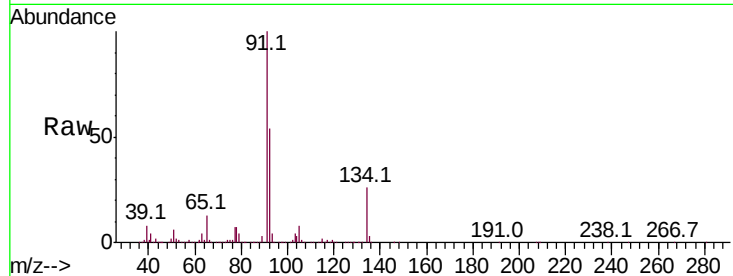
#89
n-Butylbenzene
Concen: 52.054 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	26.8	80.4
134	26.0	13.0	39.0

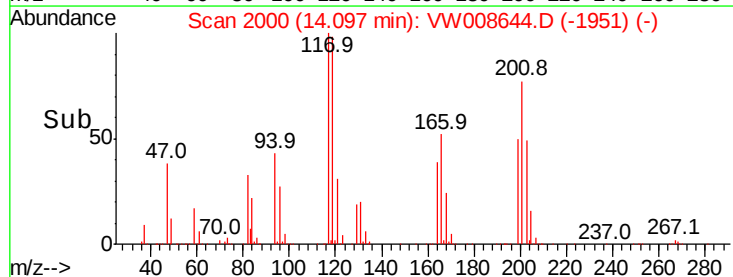
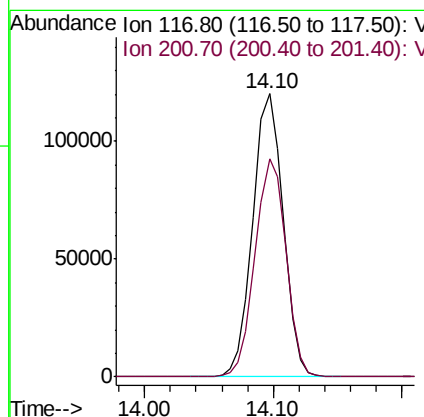
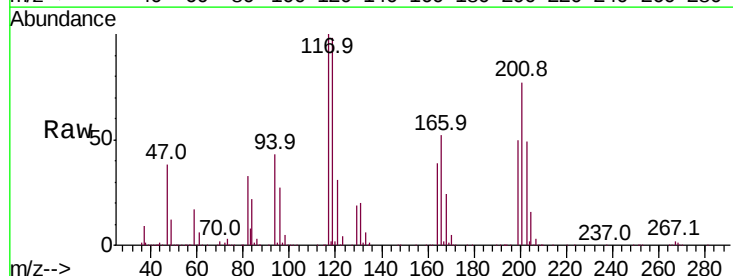
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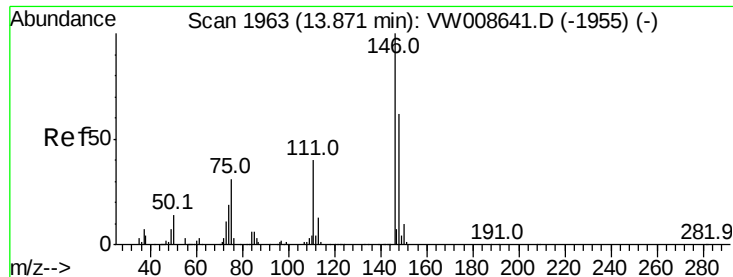
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#90
Hexachloroethane
Concen: 52.507 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.6	38.7	116.1





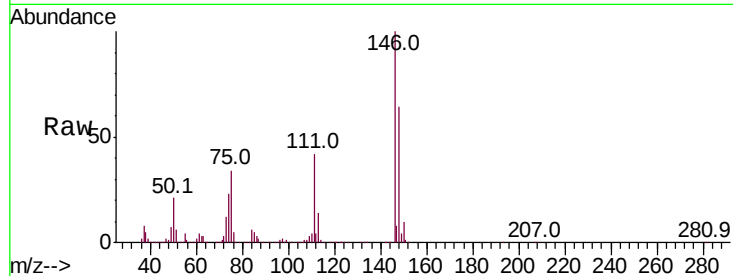
#91
1,2-Dichlorobenzene
Concen: 49.692 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

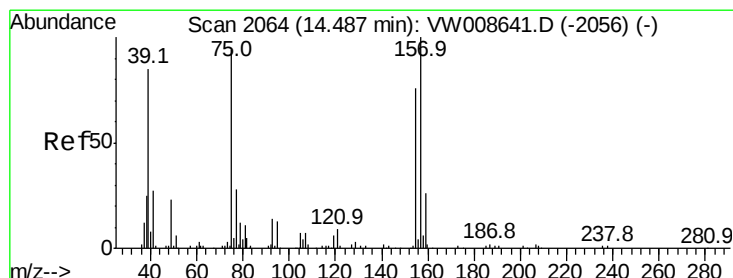
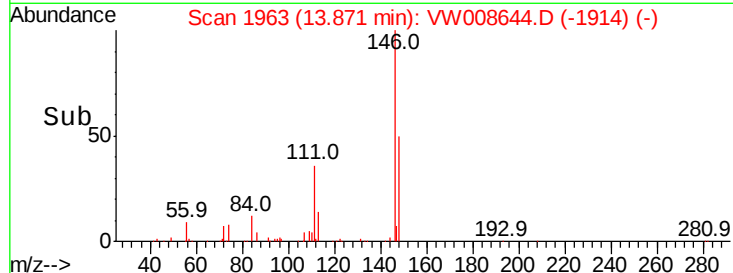
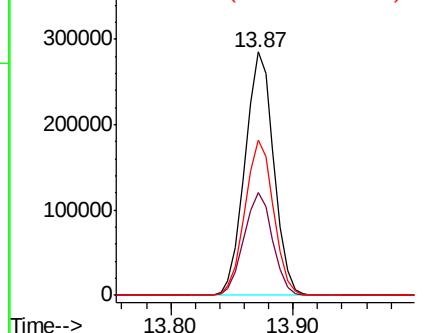
Tot Ion	Ratio	Resp	Lower	Upper
146	100	465457		
111	41.8	20.5	61.5	
148	63.4	31.6	94.8	

Manual Integrations
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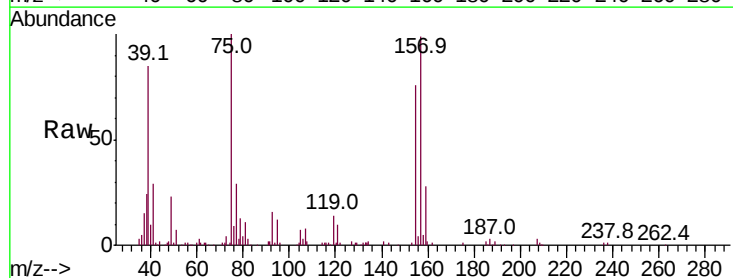


Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

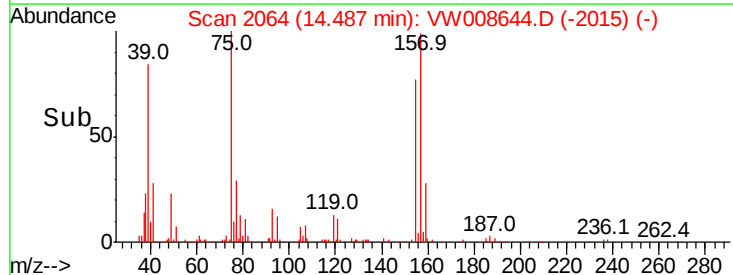
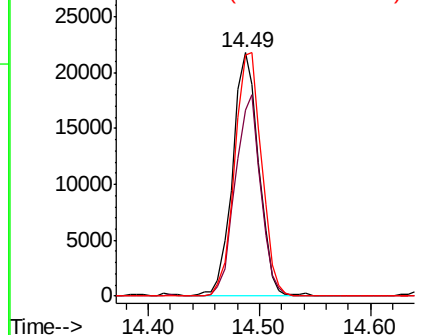


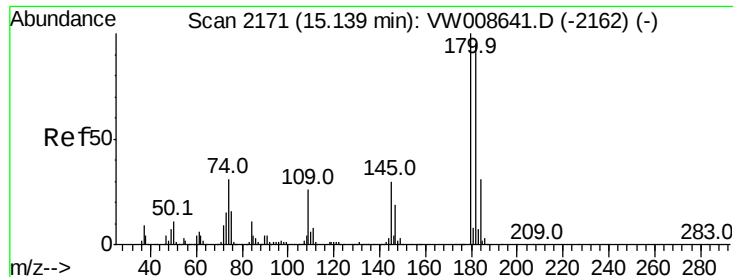
#92
1,2-Dibromo-3-Chloropropane
Concen: 51.653 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35431		
155	80.6	41.8	125.4	
157	102.4	53.8	161.4	



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





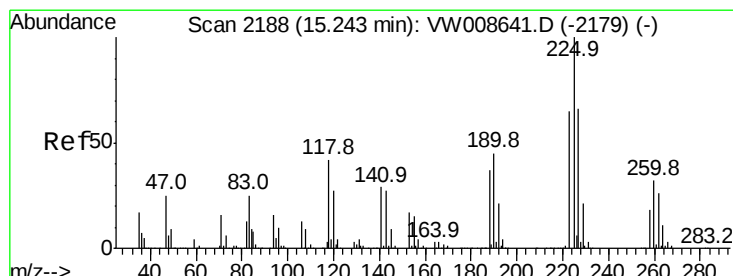
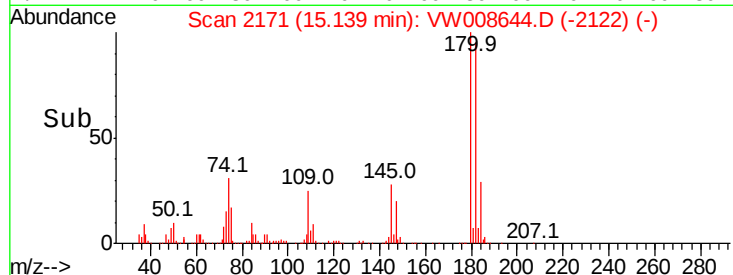
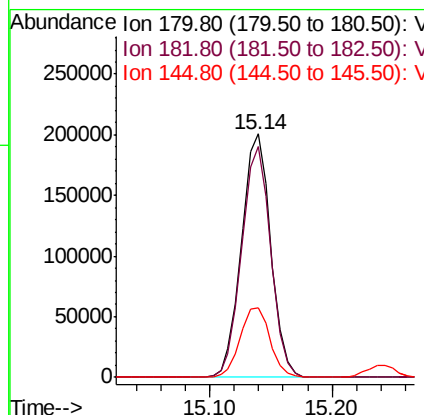
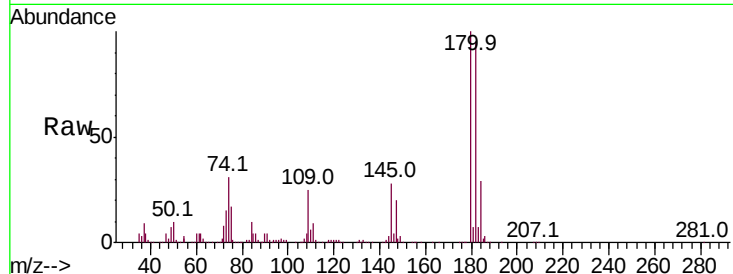
#93
 1,2,4-Trichlorobenzene
 Concen: 49.706 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW021319

Tot Ion:	180	Resp:	331426
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.5	142.5
145	29.5	15.1	45.3

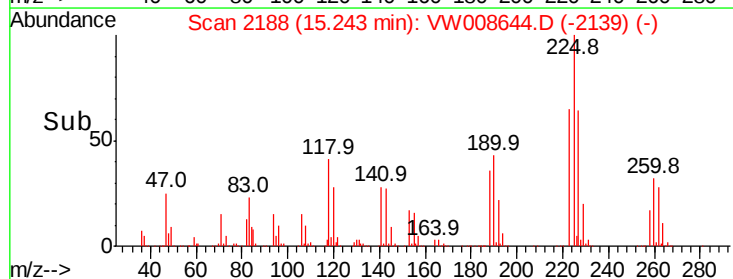
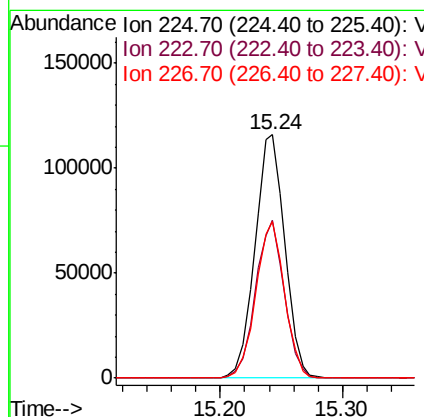
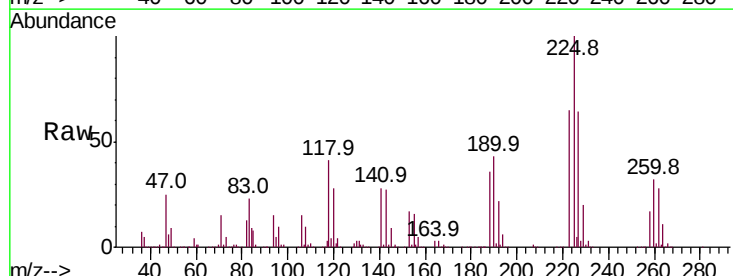
Manual Integrations
 APPROVED

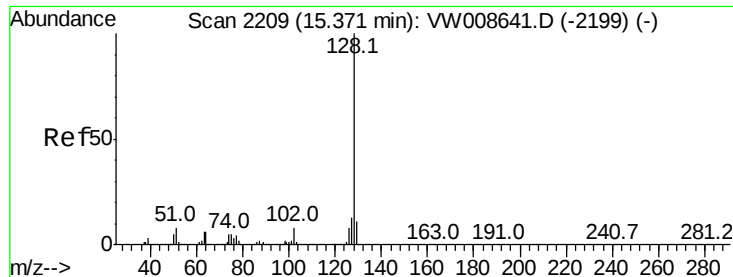
MMDadoda
 2/14/2019 2:09:14 PM



#94
 Hexachlorobutadiene
 Concen: 50.662 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008644.D
 Acq: 13 Feb 2019 16:55

Tgt Ion:	225	Resp:	196632
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.4	94.3
227	62.1	32.4	97.0





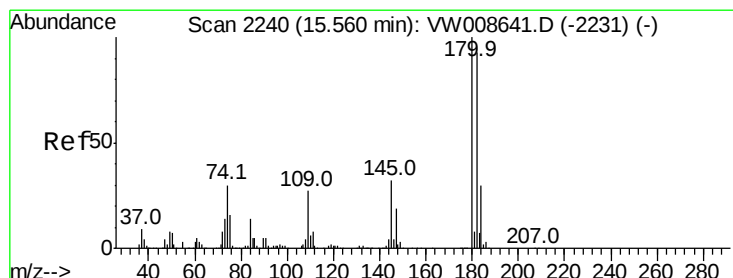
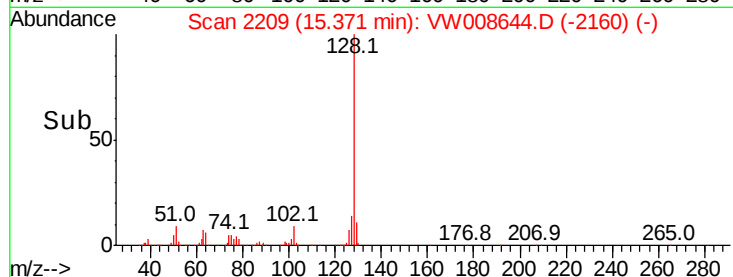
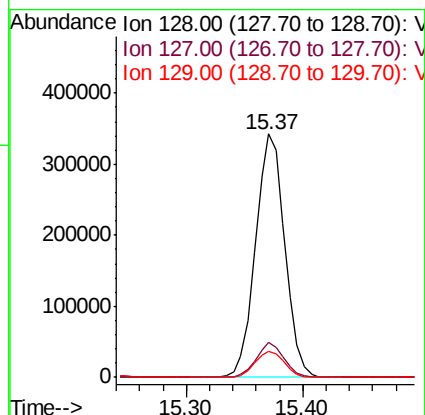
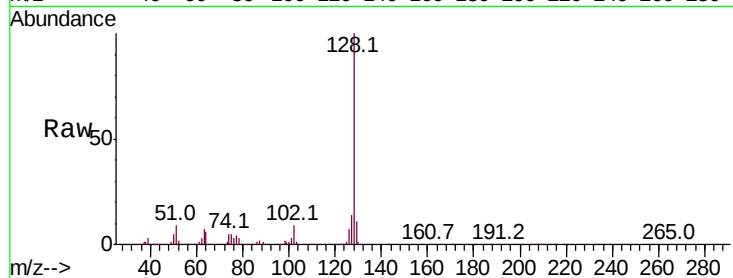
#95
Naphthalene
Concen: 50.194 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Instrument :
MSVOA_W
ClientSampleId :
ICVW021319

Tot Ion	Ratio	Resp	Lower	Upper
128	100	599774		
127	13.3		10.9	16.3
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/14/2019 2:09:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.557 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008644.D
Acq: 13 Feb 2019 16:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	283547		
182	94.1		47.5	142.5
145	31.6		15.9	47.7

