

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009038.D
 Acq On : 07 Mar 2019 14:20
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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 3/8/2019 12:06:40 PM

Quant Time: Mar 08 05:31:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 03:11:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380483	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	202899	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	14183	5.18	ug/l	0.00
Spiked Amount			Recovery	=	10.36%	
35) Dibromofluoromethane	7.88	113	11352	4.95	ug/l	0.00
Spiked Amount			Recovery	=	9.90%	
50) Toluene-d8	10.32	98	49489	5.21	ug/l	0.00
Spiked Amount			Recovery	=	10.42%	
62) 4-Bromofluorobenzene	12.62	95	20188	5.41	ug/l	0.00
Spiked Amount			Recovery	=	10.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	15647	5.815	ug/l	99
3) Chloromethane	2.21	50	19849	5.862	ug/l	98
4) Vinyl Chloride	2.35	62	19599	5.638	ug/l	96
5) Bromomethane	2.76	94	16270	5.496	ug/l	98
6) Chloroethane	2.92	64	14167	5.700	ug/l #	87
7) Trichlorofluoromethane	3.26	101	24111	5.429	ug/l	96
8) Diethyl Ether	3.69	74	7738	5.777	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	15855	5.741	ug/l	100
10) Methyl Iodide	4.27	142	12507	4.766	ug/l	95
11) Tert butyl alcohol	5.18	59	6277m	32.783	ug/l	
12) 1,1-Dichloroethene	4.04	96	12708	5.286	ug/l	85
13) Acrolein	3.89	56	5869	25.604	ug/l	100
14) Allyl chloride	4.68	41	23306	5.591	ug/l	99
15) Acrylonitrile	5.37	53	15097	24.995	ug/l	95
16) Acetone	4.13	43	16011	26.139	ug/l	97
17) Carbon Disulfide	4.38	76	42621	5.290	ug/l	100
18) Methyl Acetate	4.67	43	7832	5.563	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	32757	5.168	ug/l	96
20) Methylene Chloride	4.92	84	28290	8.113	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	14748	5.311	ug/l #	93
22) Diisopropyl ether	6.31	45	43006	5.123	ug/l #	90
23) Vinyl Acetate	6.26	43	125473	23.977	ug/l	99
24) 1,1-Dichloroethane	6.21	63	26318	5.406	ug/l	99
25) 2-Butanone	7.17	43	22499	27.059	ug/l	98
26) 2,2-Dichloropropane	7.17	77	24332	5.470	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	15692	5.305	ug/l	93
28) Bromochloromethane	7.52	49	11119	5.518	ug/l	93
29) Tetrahydrofuran	7.53	42	13703	25.705	ug/l	94
30) Chloroform	7.68	83	27066	5.440	ug/l	95
31) Cyclohexane	7.95	56	32165	6.493	ug/l #	82
32) 1,1,1-Trichloroethane	7.87	97	25508	5.568	ug/l	97
36) 1,1-Dichloropropene	8.09	75	22374	5.683	ug/l	97
37) Ethyl Acetate	7.26	43	10580	5.720	ug/l #	79
38) Carbon Tetrachloride	8.07	117	22365	5.482	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	24797	5.259	ug/l	97
40) Benzene	8.32	78	59064	5.643	ug/l	99
41) Methacrylonitrile	7.49	41	4839	4.965	ug/l	98
42) 1,2-Dichloroethane	8.40	62	18298	5.364	ug/l	88
43) Isopropyl Acetate	8.43	43	17875	5.167	ug/l	97
44) Trichloroethene	9.09	130	16860	5.729	ug/l	96
45) 1,2-Dichloropropane	9.37	63	15240	5.853	ug/l	100
46) Dibromomethane	9.46	93	7512	5.194	ug/l	91
47) Bromodichloromethane	9.64	83	19457	5.337	ug/l	97
48) Methyl methacrylate	9.44	41	7305	4.478	ug/l #	79
49) 1,4-Dioxane	9.46	88	2391	112.608	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	43514	24.677	ug/l	99
52) Toluene	10.39	92	38823	5.438	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	17905	4.939	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	21372	5.167	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	10874	5.548	ug/l	92
56) Ethyl methacrylate	10.65	69	11215	4.564	ug/l	90
57) 1,3-Dichloropropane	10.93	76	18590	5.343	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	30254	23.693	ug/l	98
59) 2-Hexanone	10.97	43	29618	23.791	ug/l	99
60) Dibromochloromethane	11.13	129	12619	5.241	ug/l	95
61) 1,2-Dibromoethane	11.23	107	10559	5.544	ug/l	95
64) Tetrachloroethene	10.86	164	14776	5.519	ug/l	94
65) Chlorobenzene	11.66	112	45256	5.696	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	13927	5.258	ug/l	93
67) Ethyl Benzene	11.73	91	78689	5.513	ug/l	96
68) m/p-Xylenes	11.84	106	60661	10.753	ug/l	98
69) o-Xylene	12.16	106	27787	5.283	ug/l	99
70) Styrene	12.18	104	42560	4.971	ug/l	97
71) Bromoform	12.35	173	7155	4.982	ug/l #	96
73) Isopropylbenzene	12.46	105	75170	5.214	ug/l	99
74) N-amyl acetate	12.27	43	16035	4.652	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	12035	5.248	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	6983m	3.091	ug/l	
77) Bromobenzene	12.74	156	18252	5.536	ug/l	96
78) n-propylbenzene	12.80	91	92836	5.245	ug/l	100
79) 2-Chlorotoluene	12.89	91	53738	5.403	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	64260	5.171	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	3361	4.726	ug/l	99
82) 4-Chlorotoluene	12.99	91	57890	5.463	ug/l	99
83) tert-Butylbenzene	13.21	119	54040	5.177	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	65292	5.205	ug/l	98
85) sec-Butylbenzene	13.38	105	80983	5.236	ug/l	99
86) p-Isopropyltoluene	13.50	119	70988	5.121	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	38660	5.592	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	39029	5.715	ug/l	95
89) n-Butylbenzene	13.83	91	68154	5.157	ug/l	98
90) Hexachloroethane	14.09	117	13069	5.473	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	35352	5.838	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2118	4.975	ug/l	97

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MSVOA_W
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VSTDICC005

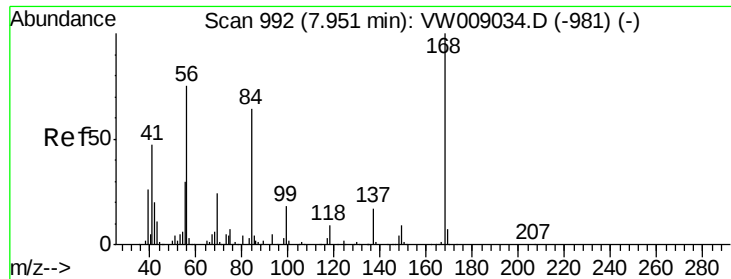
Manual Integrations
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QLast Update : Fri Mar 08 03:11:40 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	22919	5.535	ug/l	97
94) Hexachlorobutadiene	15.24	225	15152	5.854	ug/l	99
95) Naphthalene	15.37	128	32439	4.728	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	20748	5.706	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 267382

Ion Ratio Lower Upper

168 100

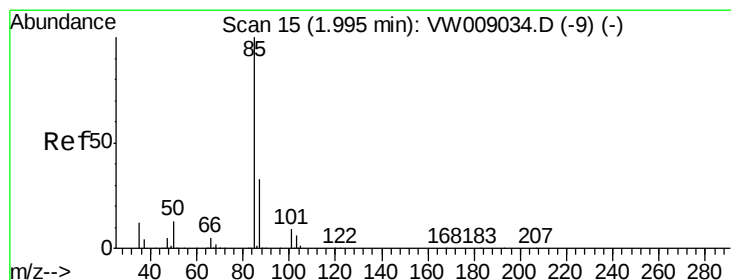
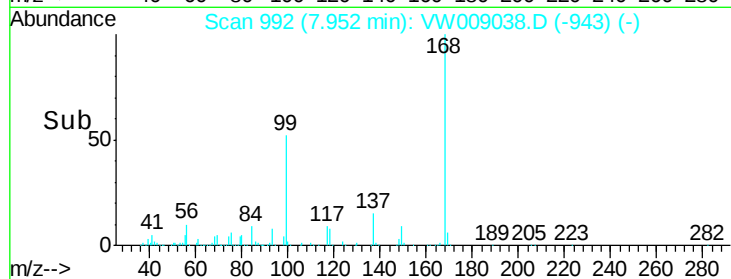
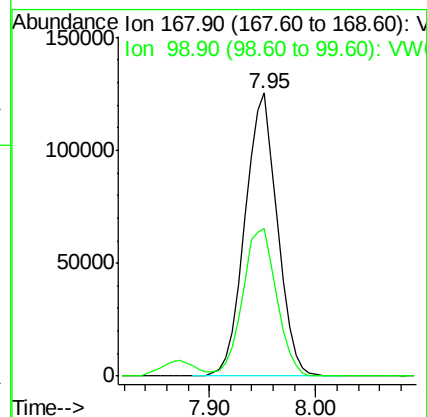
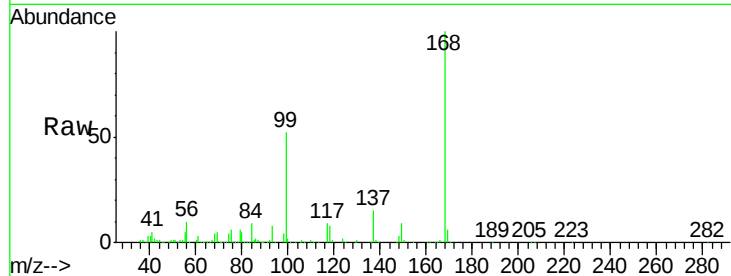
99 51.9 42.2 63.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 5.815 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009038.D

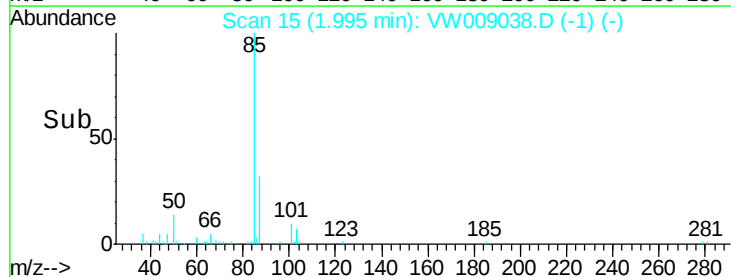
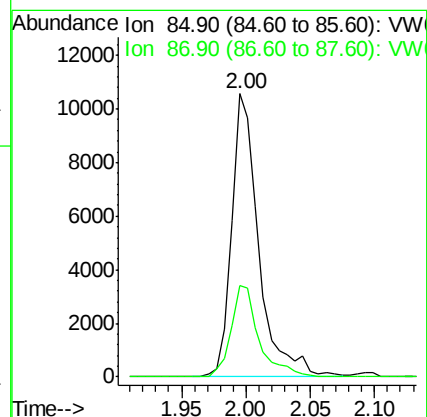
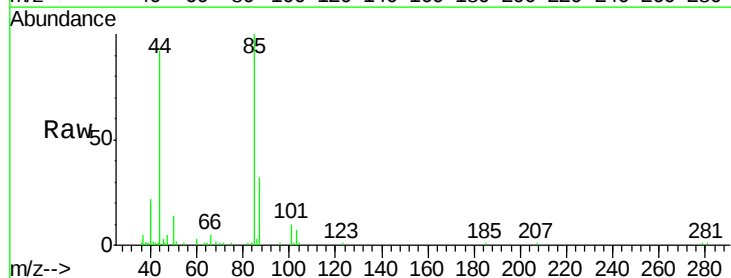
Acq: 07 Mar 2019 14:20

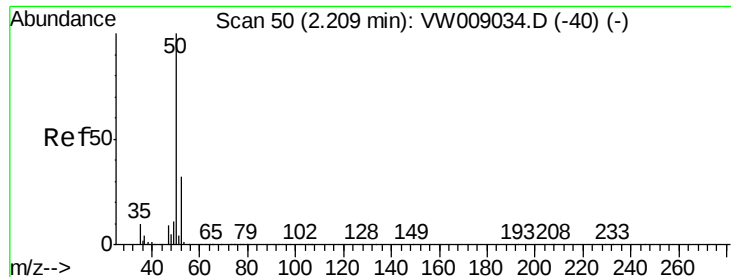
Tgt Ion: 85 Resp: 15647

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.9





#3

Chloromethane

Concen: 5.862 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 19849

Ion Ratio Lower Upper

50 100

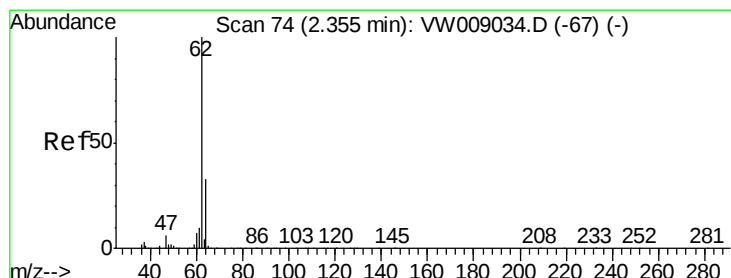
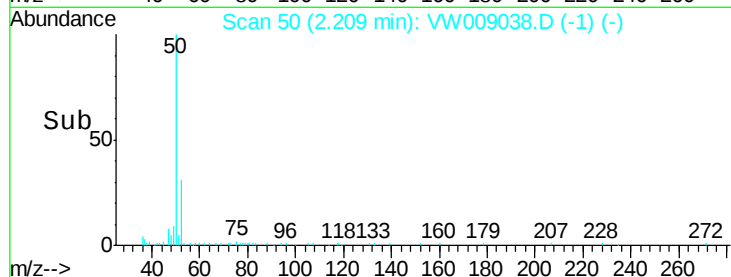
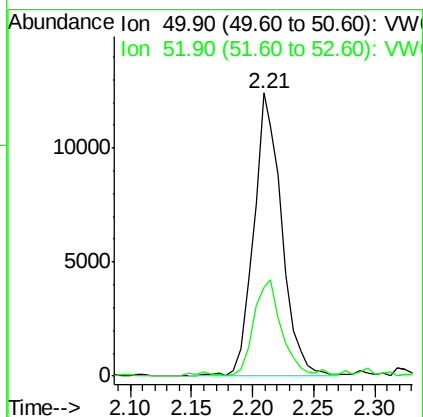
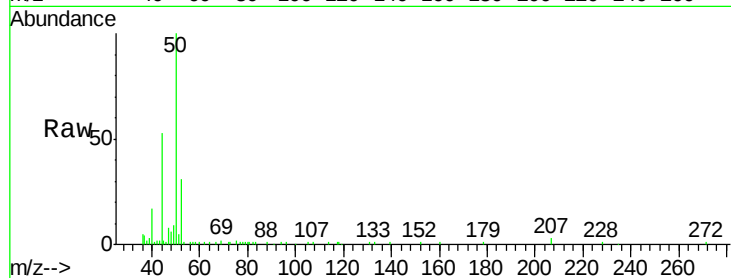
52 30.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.638 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009038.D

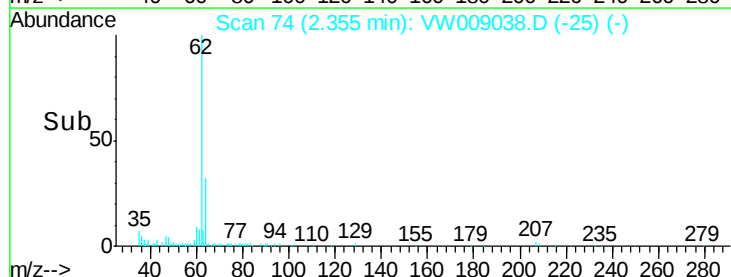
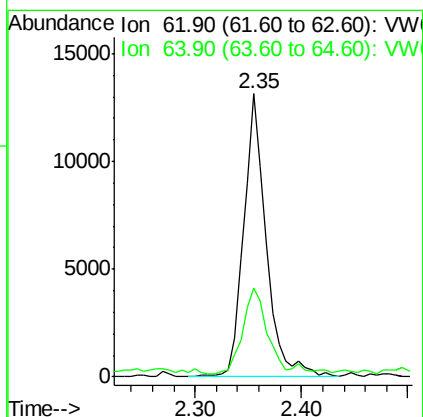
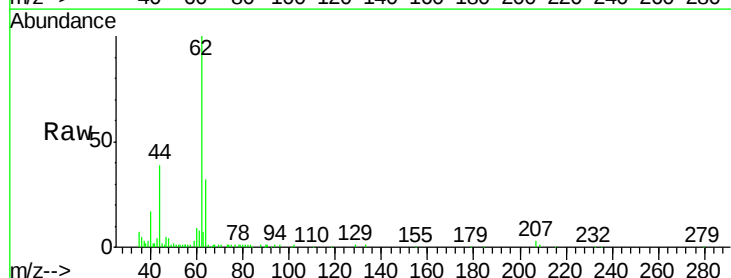
Acq: 07 Mar 2019 14:20

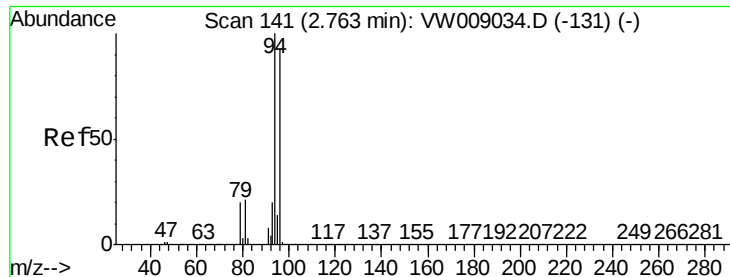
Tgt Ion: 62 Resp: 19599

Ion Ratio Lower Upper

62 100

64 30.0 26.0 39.0





#5

Bromomethane

Concen: 5.496 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 16270

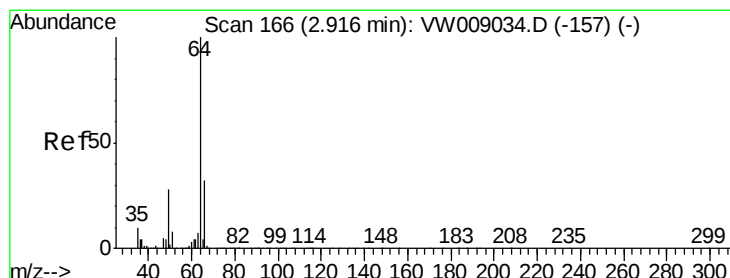
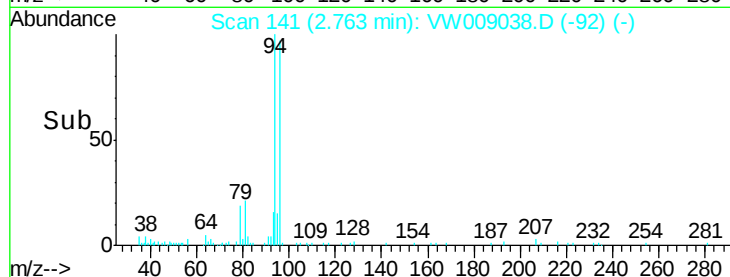
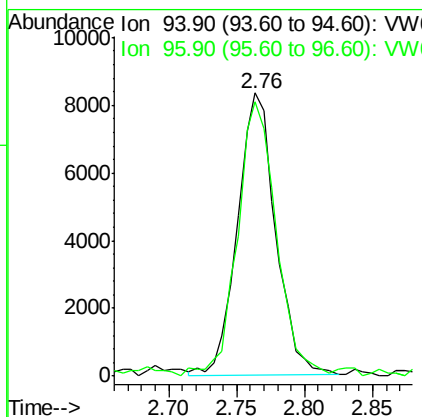
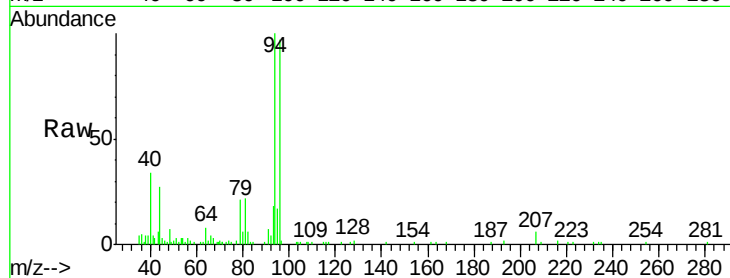
Ion Ratio Lower Upper

94 100

96 95.2 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 5.700 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009038.D

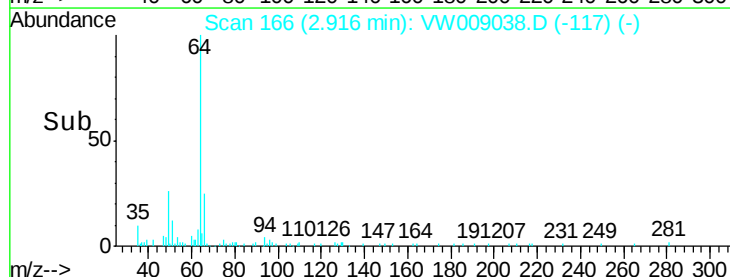
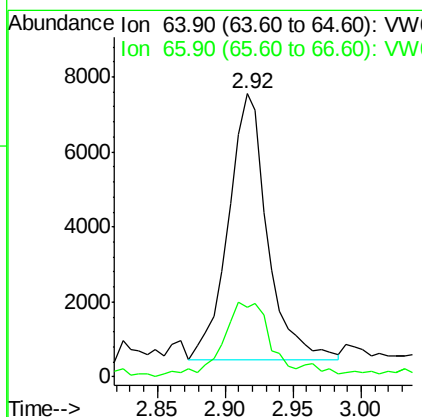
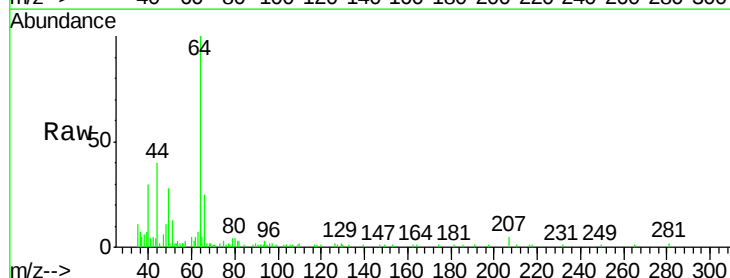
Acq: 07 Mar 2019 14:20

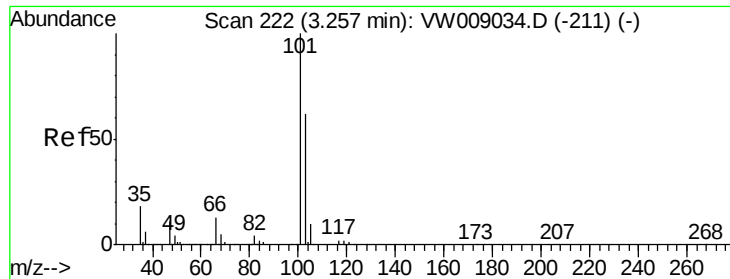
Tgt Ion: 64 Resp: 14167

Ion Ratio Lower Upper

64 100

66 24.9 25.5 38.3#





#7

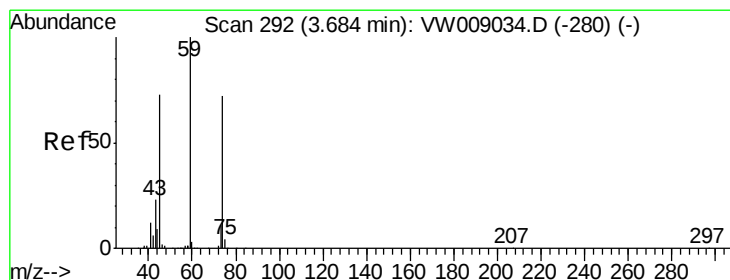
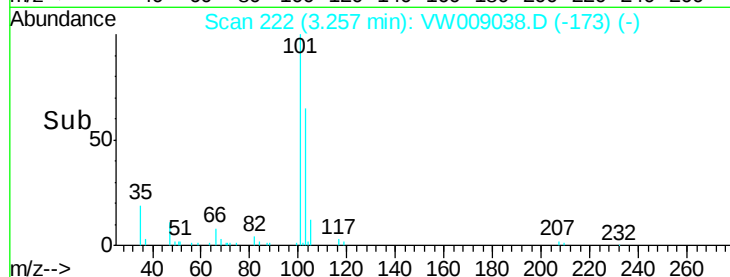
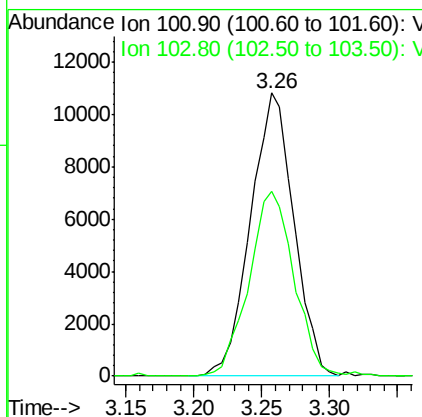
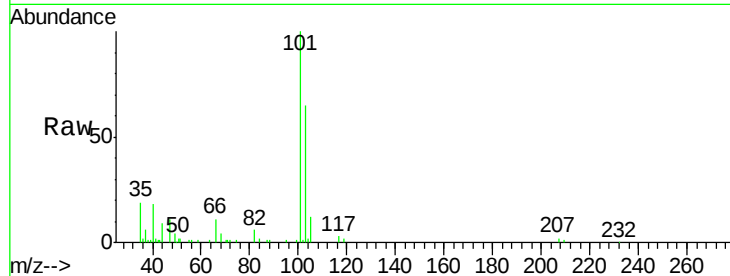
Trichlorofluoromethane
Concen: 5.429 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	49.9	74.9

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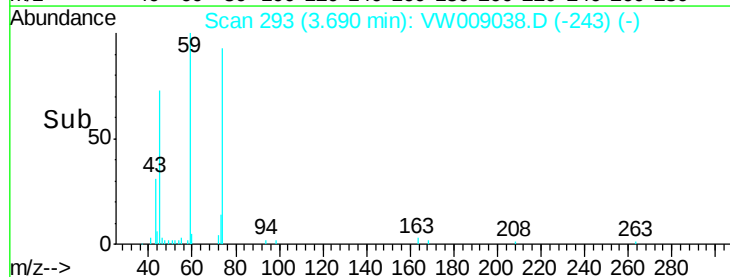
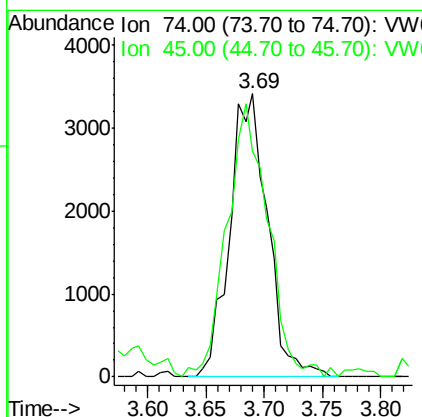
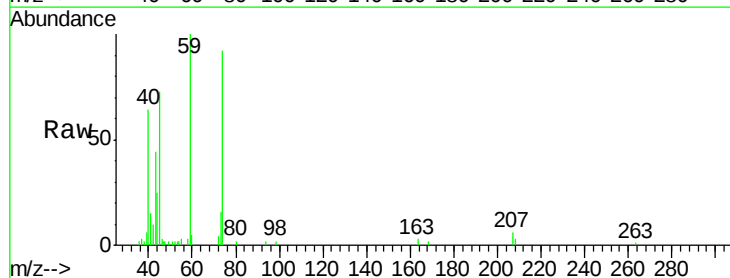
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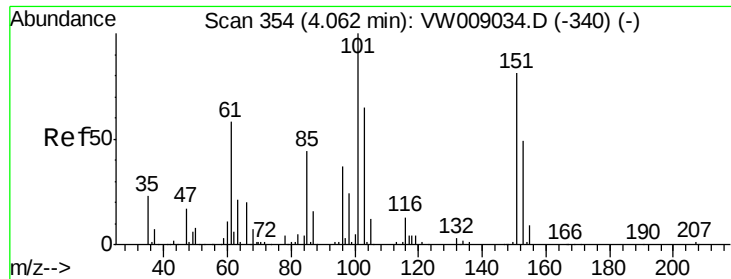


#8

Diethyl Ether
Concen: 5.777 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.741 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

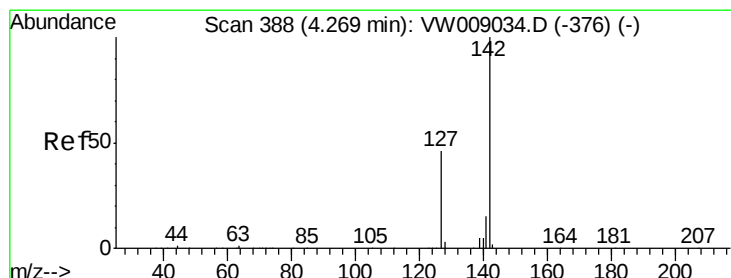
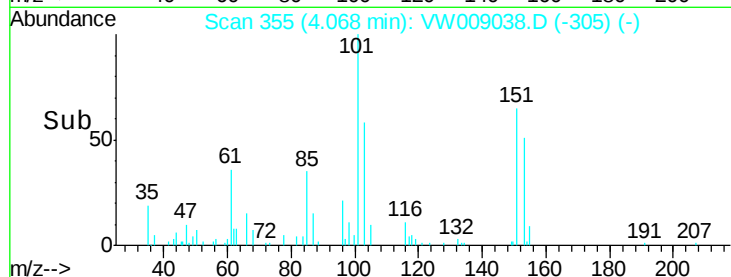
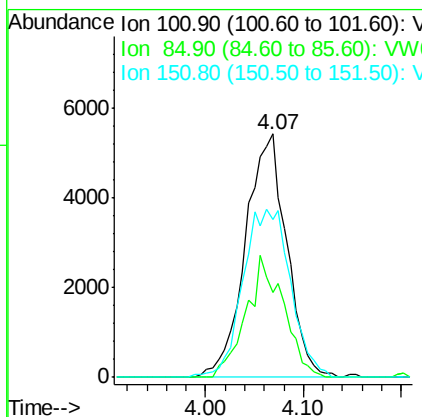
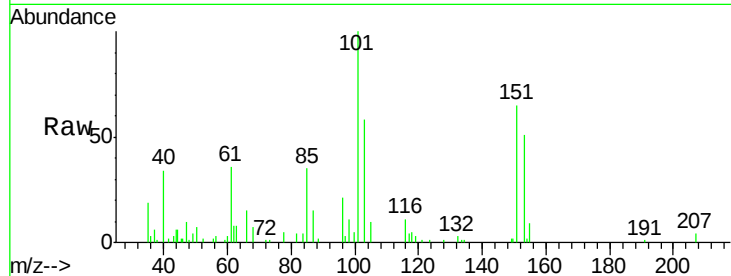
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	15855
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.2	54.4
151	79.9	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 4.766 ug/l

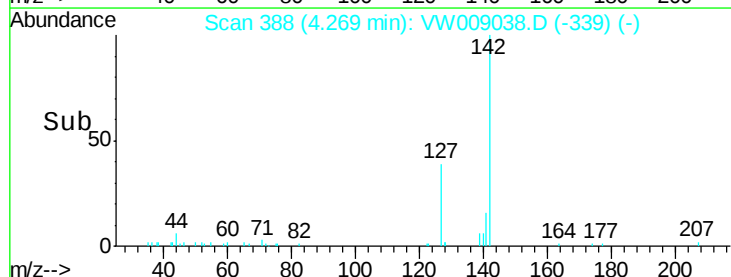
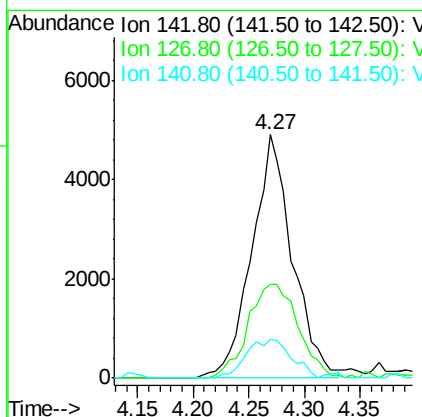
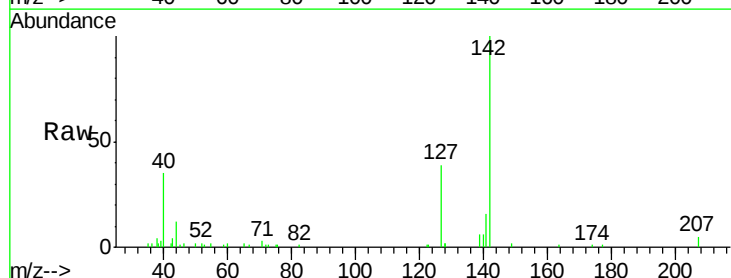
RT: 4.27 min Scan# 388

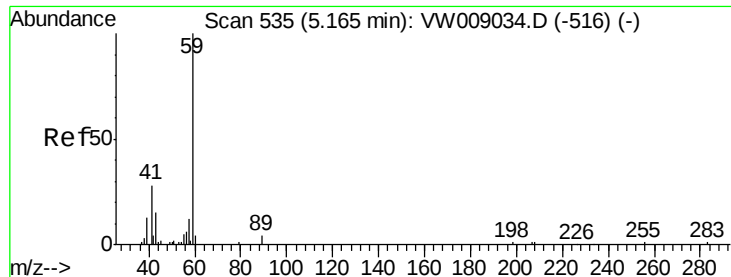
Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Tgt Ion:	142	Resp:	12507
Ion Ratio	Lower	Upper	
142	100		
127	47.5	35.8	53.6
141	17.6	11.8	17.8





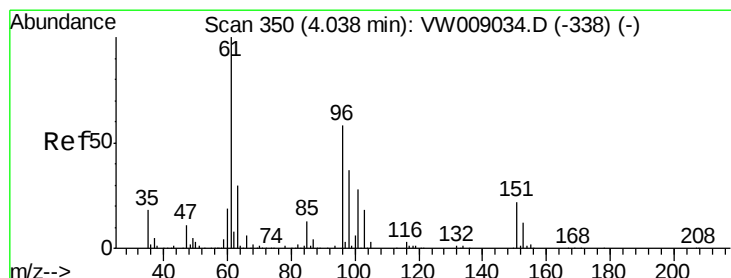
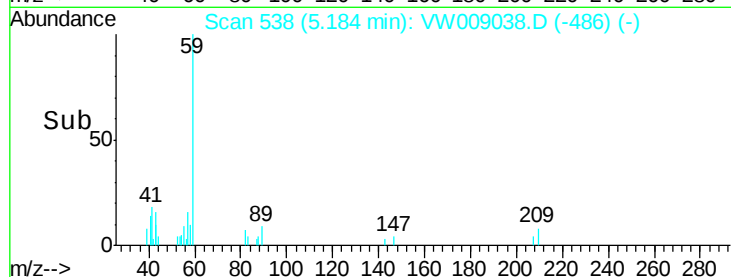
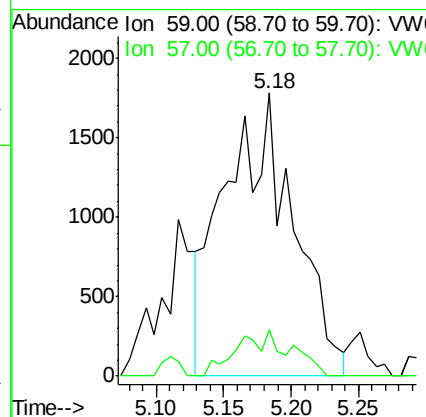
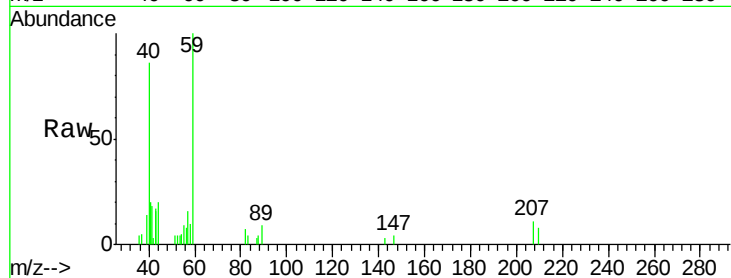
#11
Tert butyl alcohol
Concen: 32.783 ug/l m
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 6277
Ion Ratio Lower Upper
59 100
57 6.4 8.6 12.8#

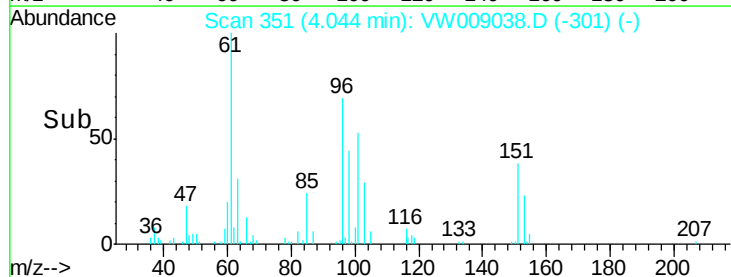
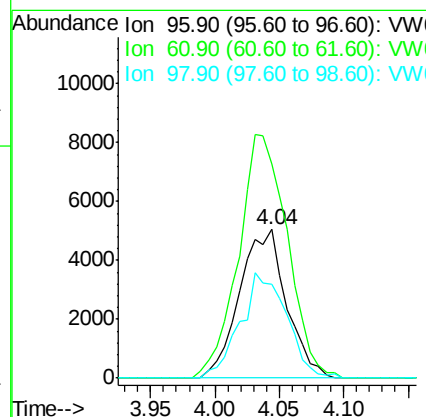
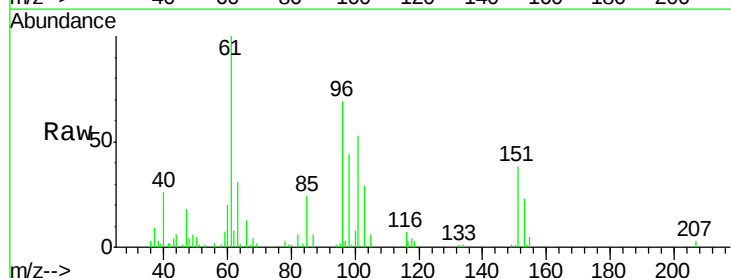
Manual Integrations
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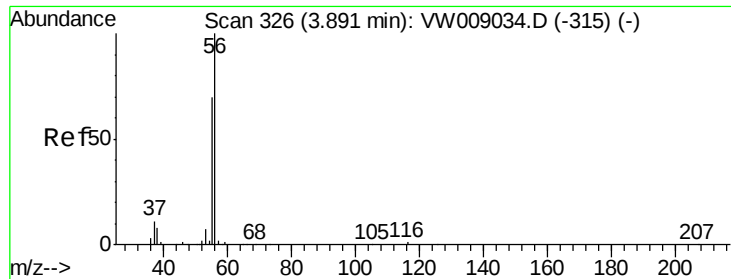
MMDadoda
3/8/2019 12:06:40 PM



#12
1,1-Dichloroethene
Concen: 5.286 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion: 96 Resp: 12708
Ion Ratio Lower Upper
96 100
61 144.1 138.2 207.2
98 63.3 51.3 76.9





#13

Acrolein

Concen: 25.604 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 56 Resp: 5869

Ion Ratio Lower Upper

56 100

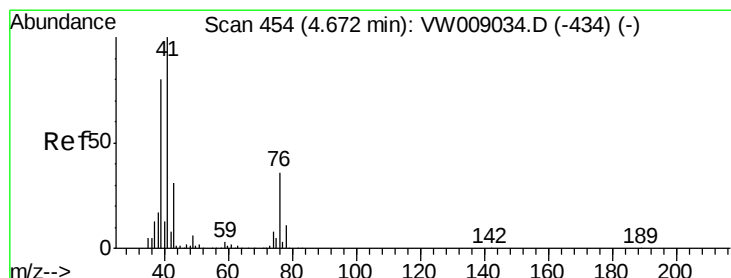
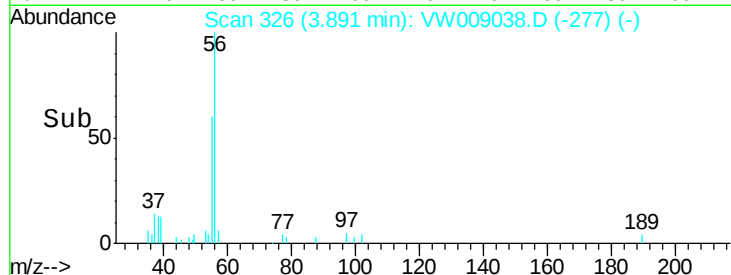
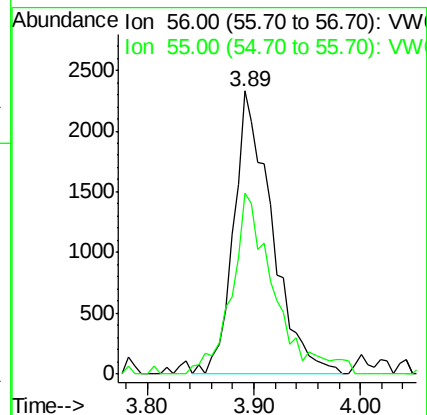
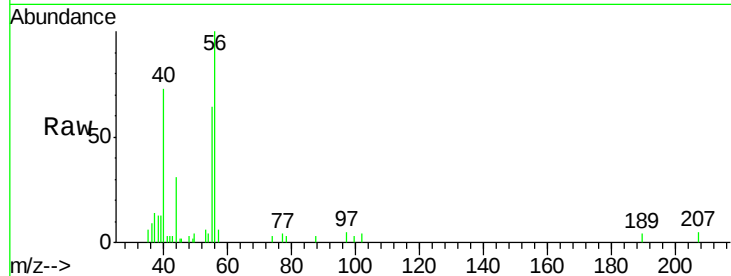
55 70.5 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 5.591 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

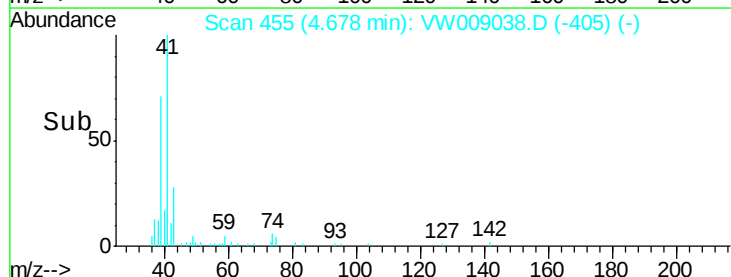
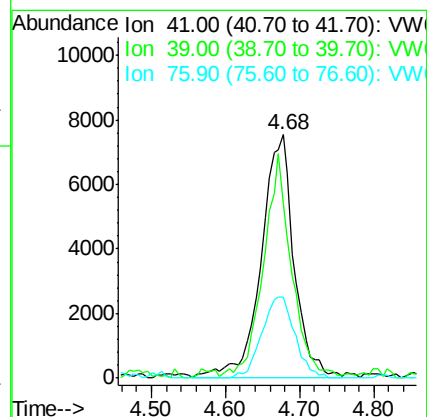
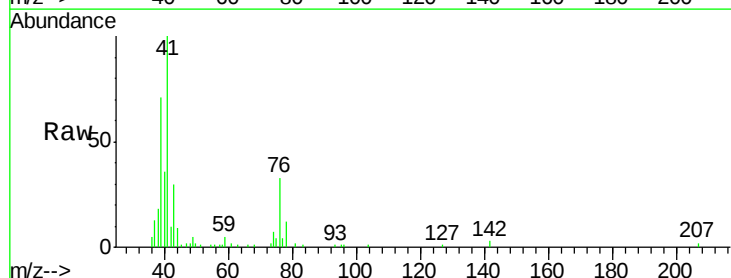
Tgt Ion: 41 Resp: 23306

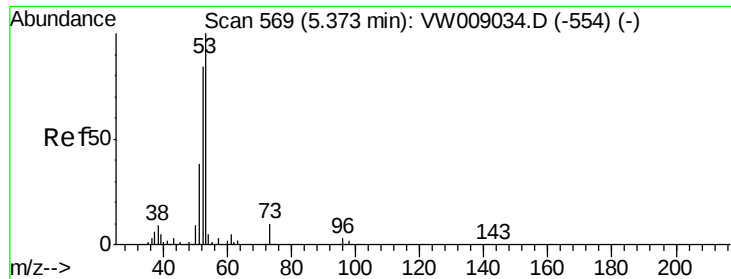
Ion Ratio Lower Upper

41 100

39 78.1 63.0 94.4

76 33.5 28.2 42.2





#15

Acrylonitrile

Concen: 24.995 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

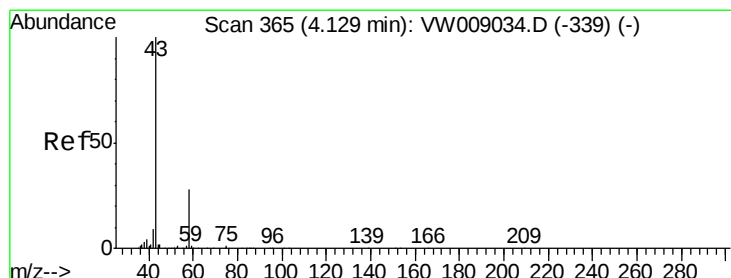
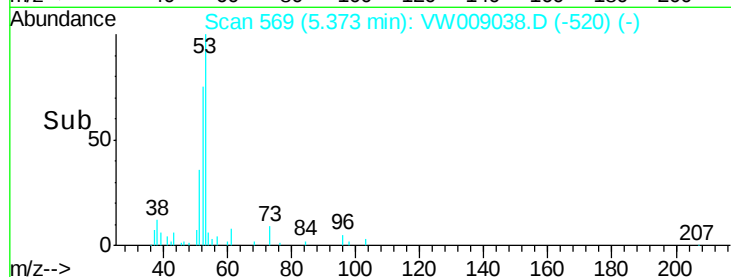
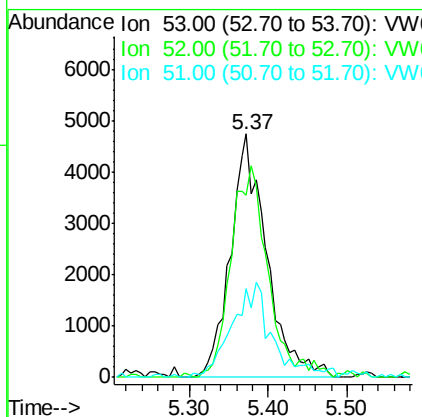
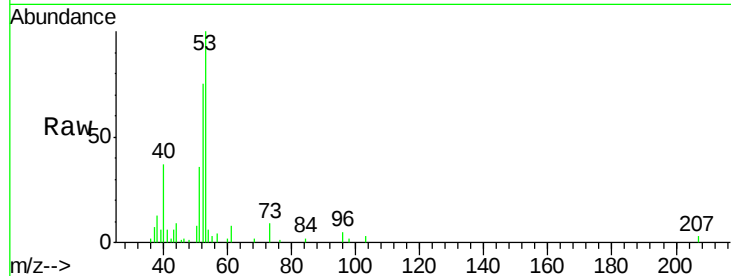
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	15097
Ion	Ratio	Lower	Upper
53	100		
52	88.7	67.2	100.8
51	42.1	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 26.139 ug/l

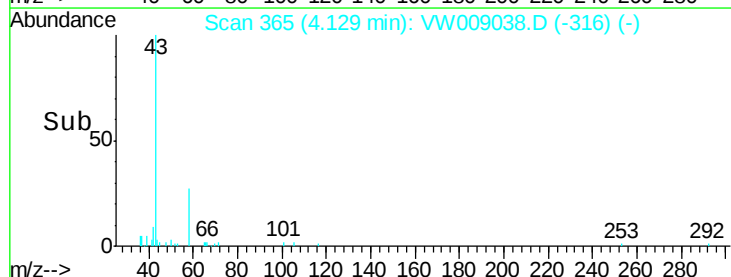
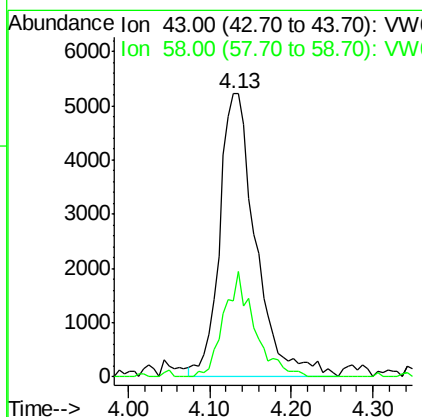
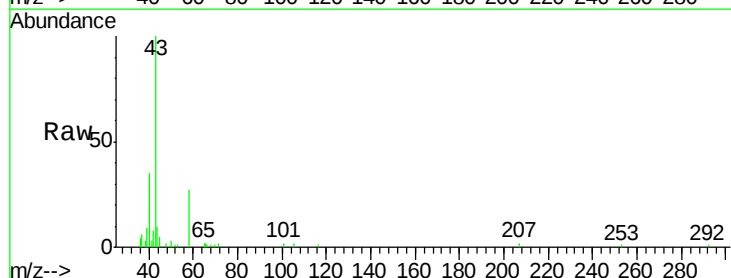
RT: 4.13 min Scan# 365

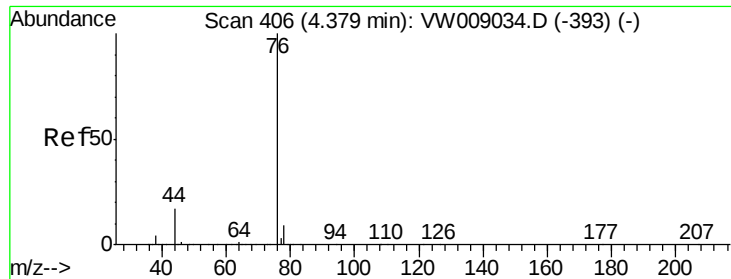
Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Tgt Ion:	43	Resp:	16011
Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.5	33.7





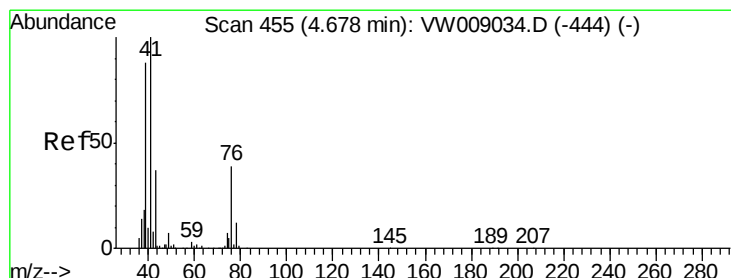
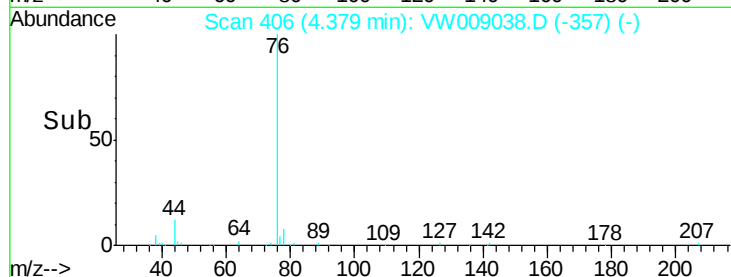
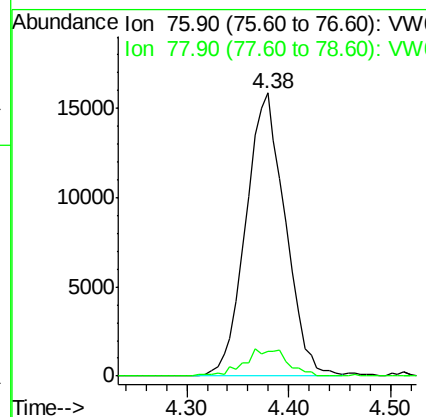
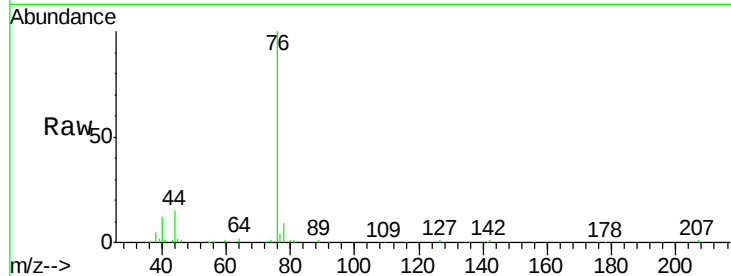
#17
Carbon Disulfide
Concen: 5.290 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

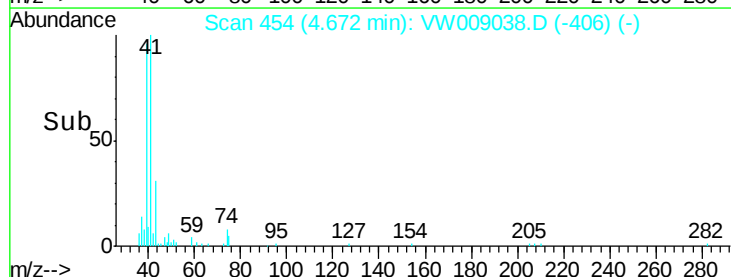
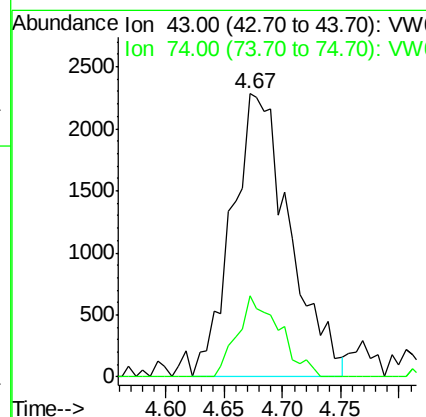
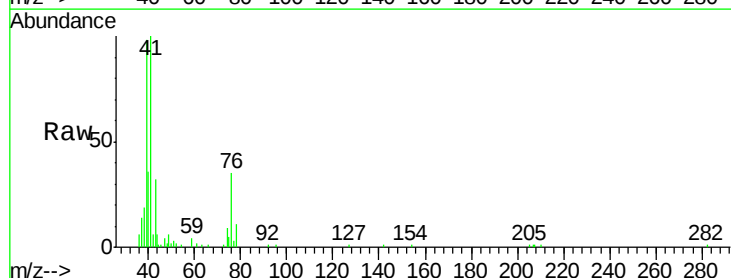
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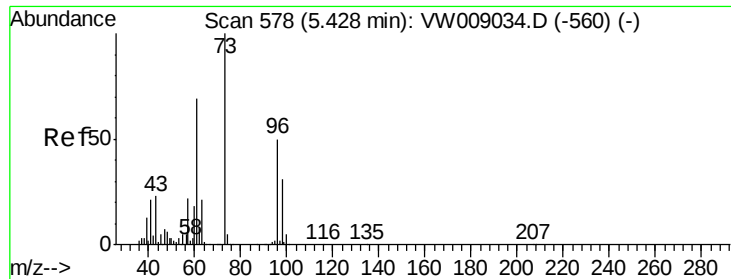
MMDadoda
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#18
Methyl Acetate
Concen: 5.563 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	17.6	26.4





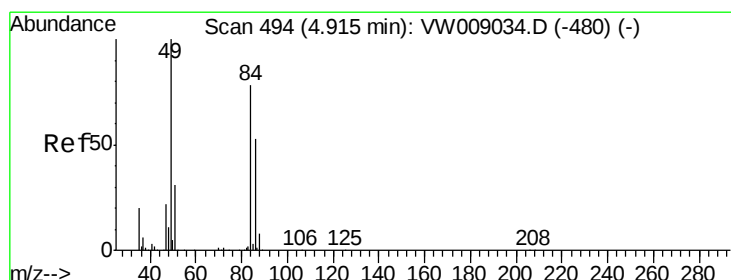
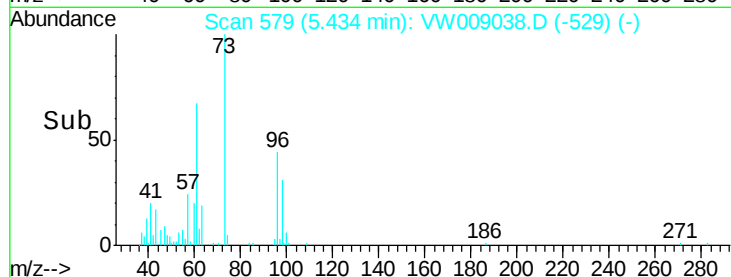
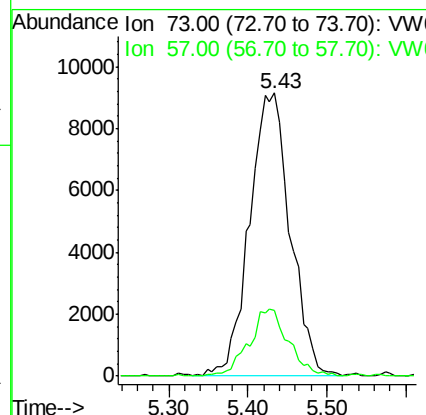
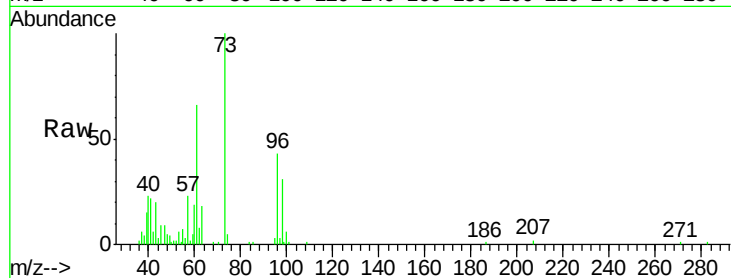
#19
Methvl tert-butvl Ether
Concen: 5.168 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.3	25.9

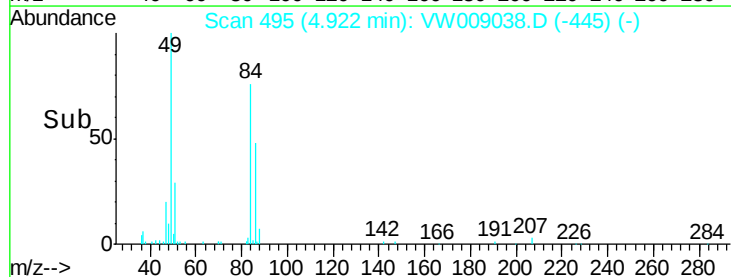
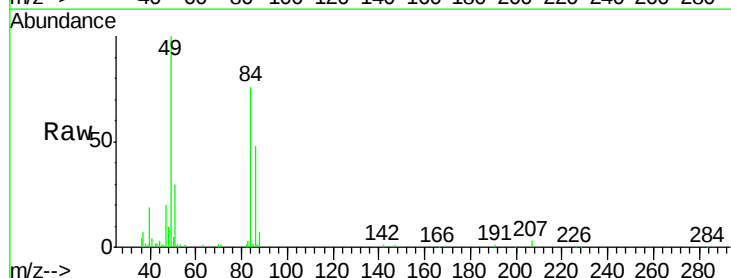
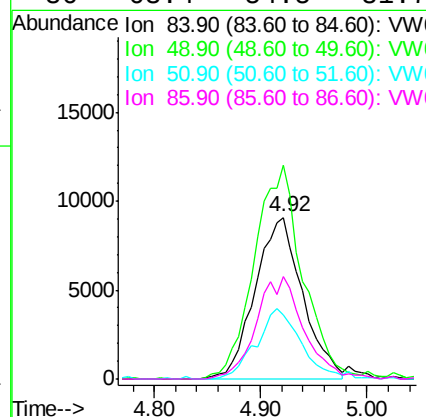
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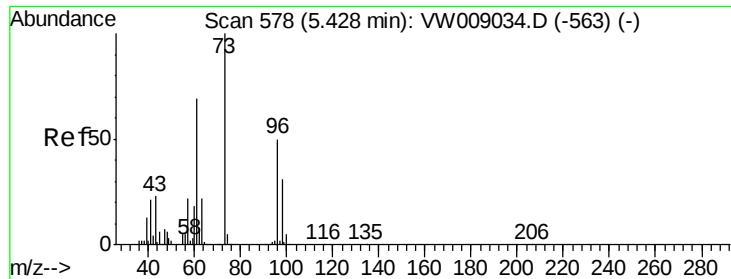
MMDadoda
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#20
Methylene Chloride
Concen: 8.113 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.0	102.4	153.6
51	39.2	31.6	47.4
86	63.4	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 5.311 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 14748

Ion Ratio Lower Upper

96 100

61 140.6 111.0 166.6

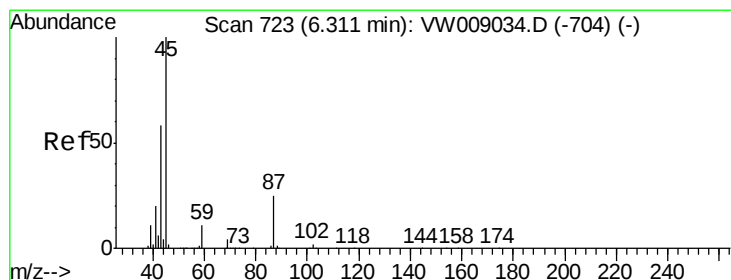
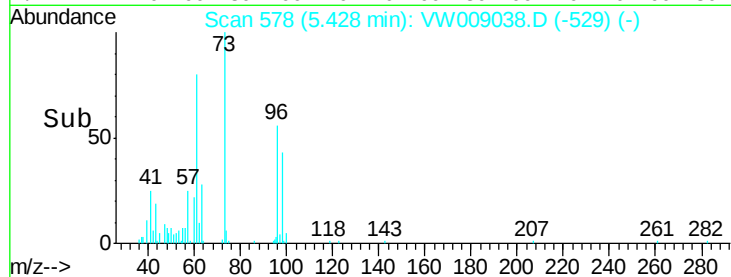
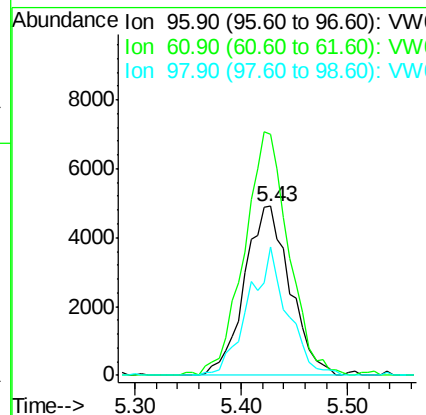
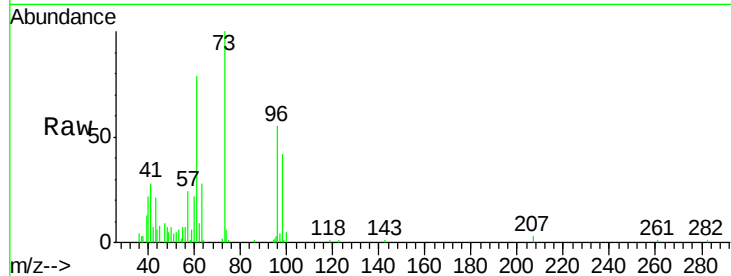
98 76.0 49.4 74.0#

Manual Integrations

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#22

Diisopropyl ether

Concen: 5.123 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Tgt Ion: 45 Resp: 43006

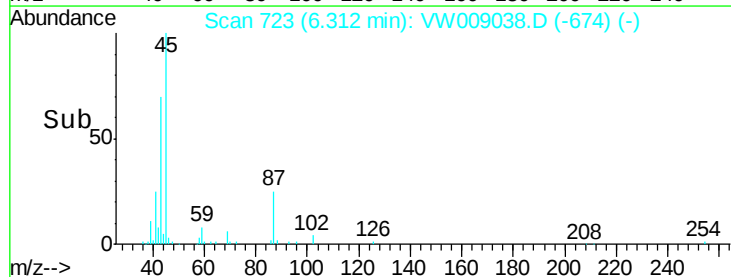
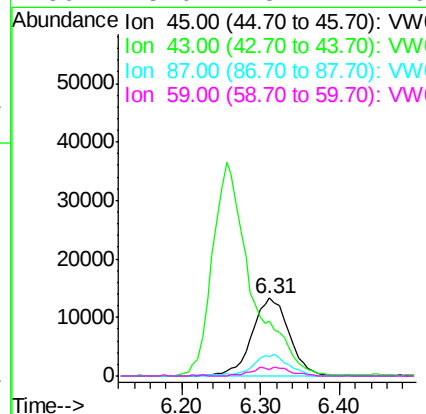
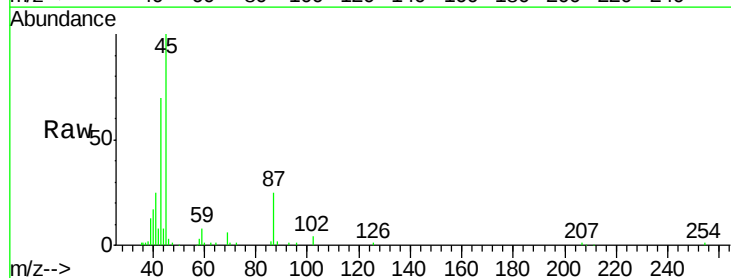
Ion Ratio Lower Upper

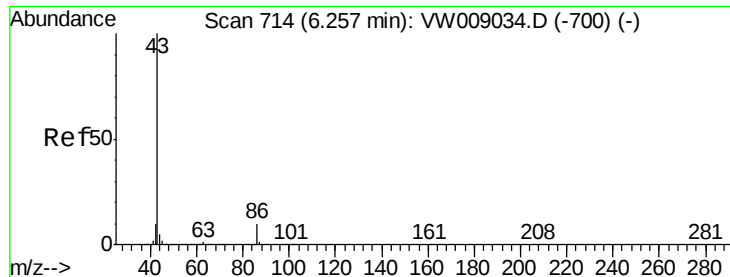
45 100

43 68.8 46.2 69.4

87 24.7 20.1 30.1

59 8.0 8.4 12.6#





#23

Vinyl Acetate

Concen: 23.977 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 125473

Ion Ratio Lower Upper

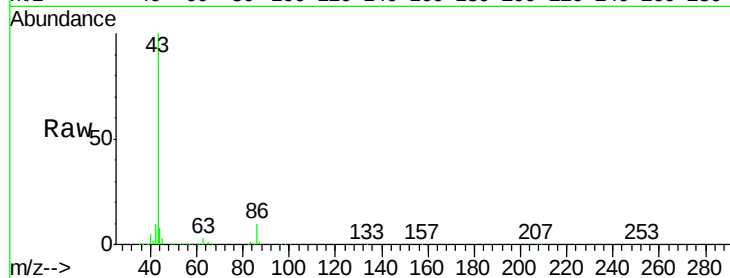
43 100

86 10.0 7.6 11.4

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

40000

30000

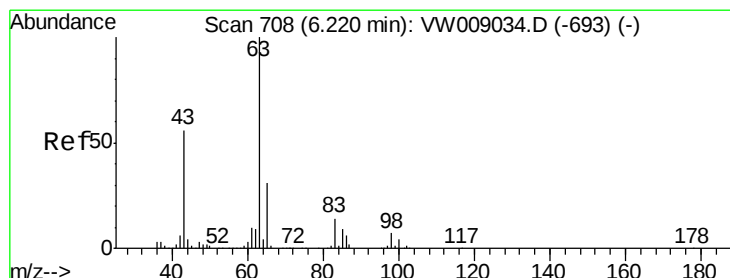
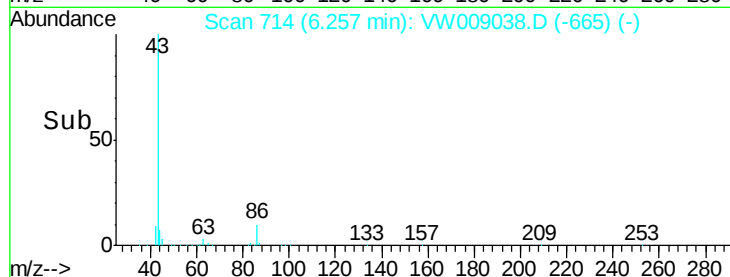
20000

10000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 5.406 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

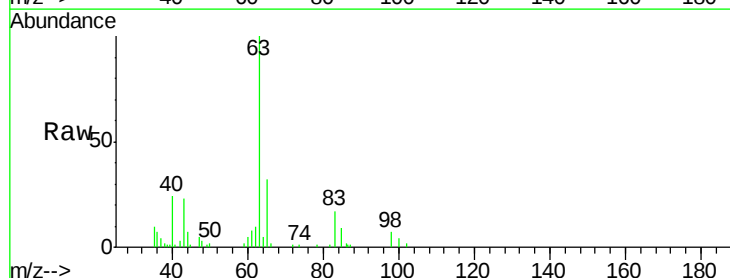
Tgt Ion: 63 Resp: 26318

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.2

100 4.4 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

10000

8000

6000

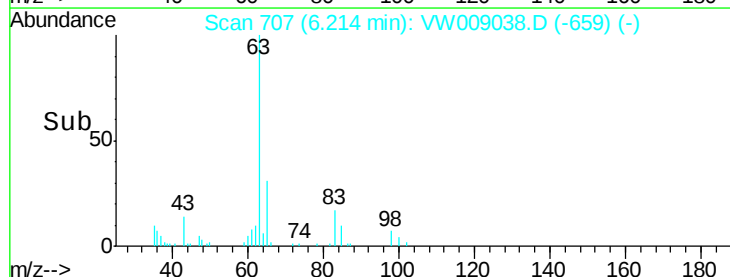
4000

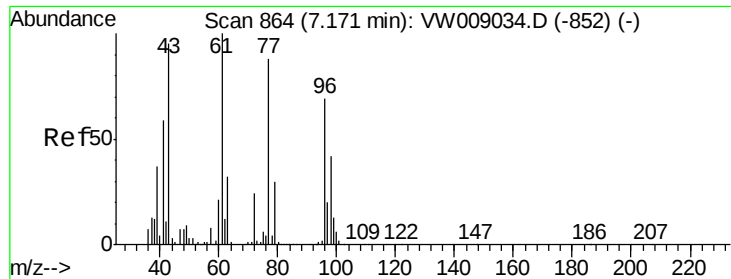
2000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 27.059 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 22499

Ion Ratio Lower Upper

43 100

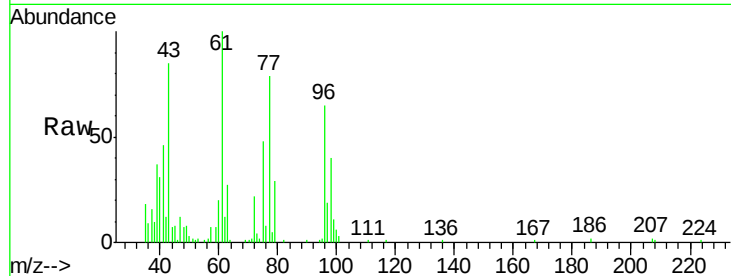
72 25.8 20.0 30.0

Manual Integrations

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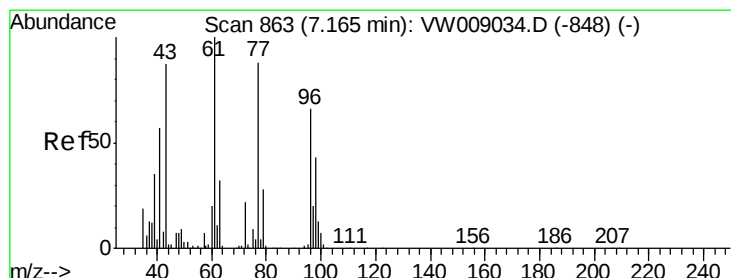
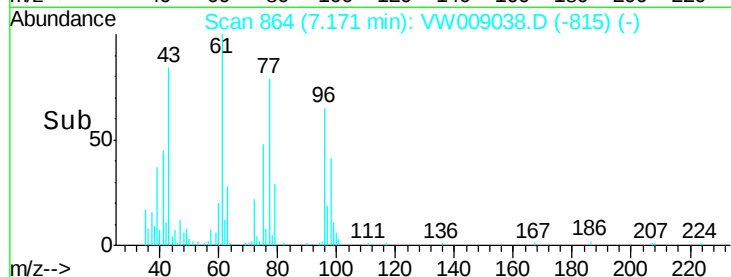
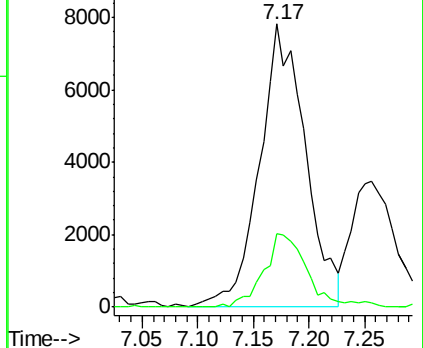
MMDadoda

3/8/2019 12:06:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 5.470 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009038.D

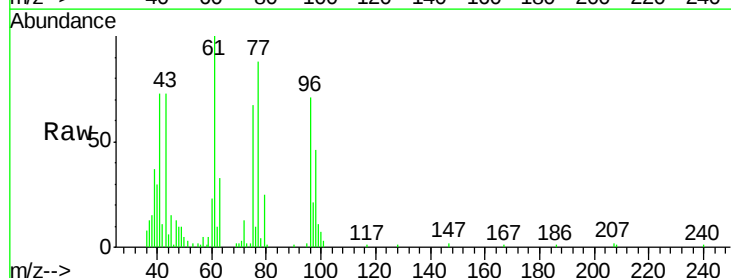
Acq: 07 Mar 2019 14:20

Tgt Ion: 77 Resp: 24332

Ion Ratio Lower Upper

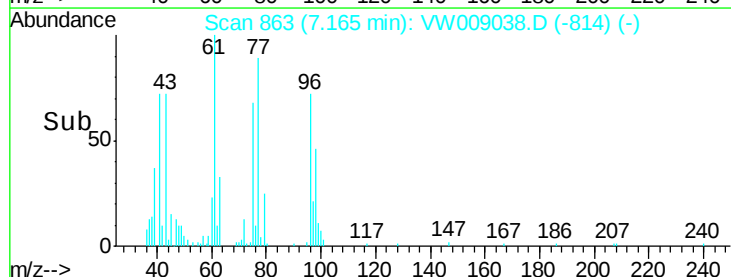
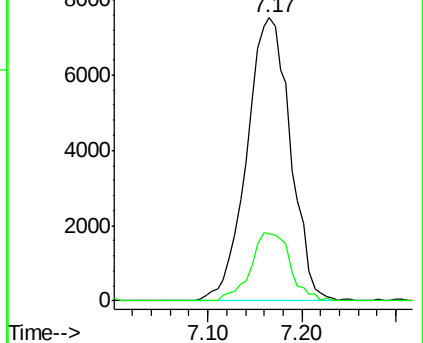
77 100

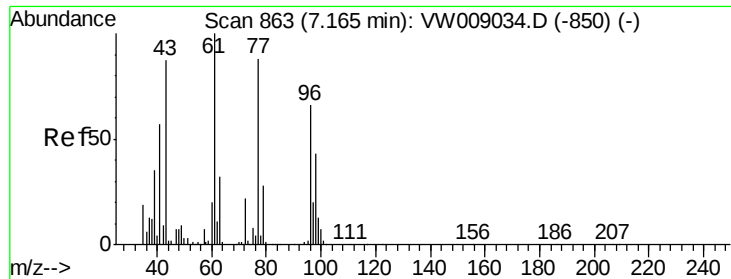
97 21.8 10.9 32.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

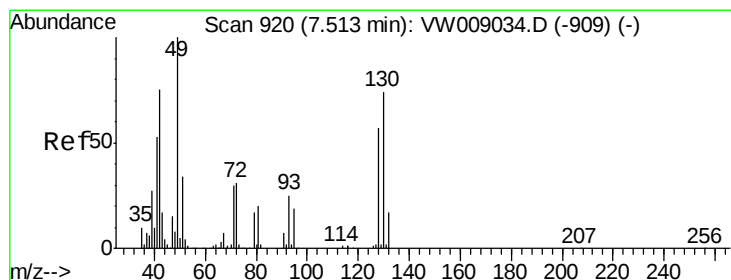
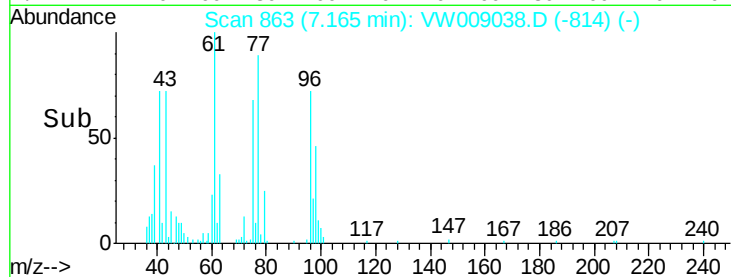
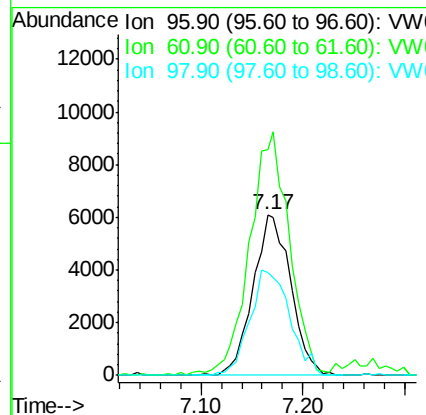
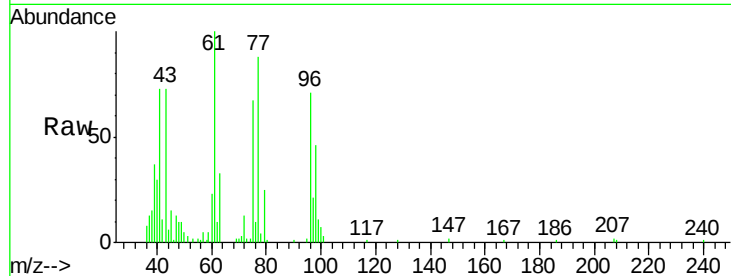
cis-1,2-Dichloroethene
 Concen: 5.305 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	159.4	0.0	299.8		
98	69.3	0.0	127.2		

Manual Integrations
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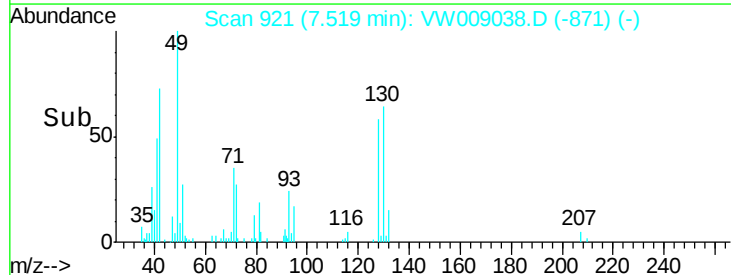
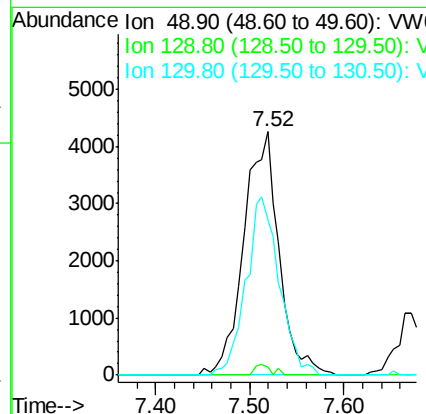
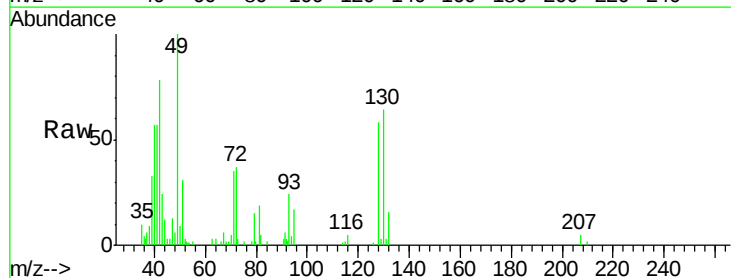
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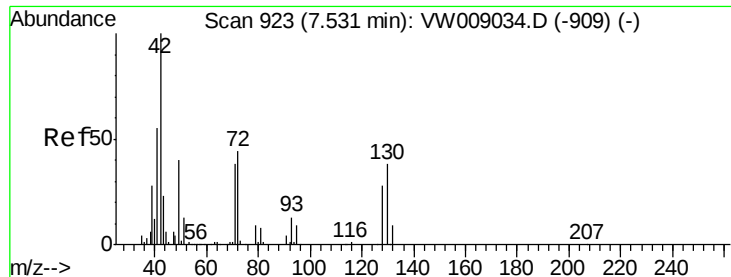


#28

Bromochloromethane
 Concen: 5.518 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.0	0.0	4.6		
130	69.1	60.4	90.6		





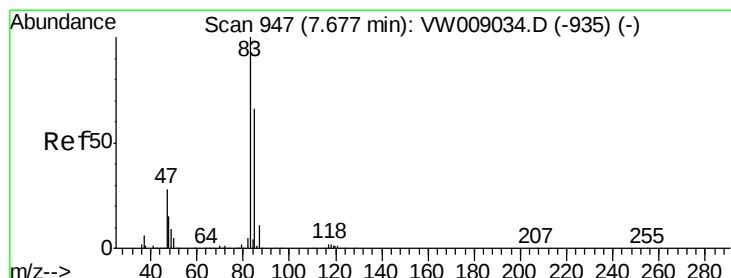
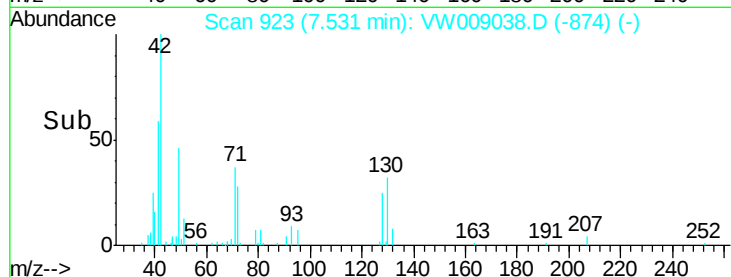
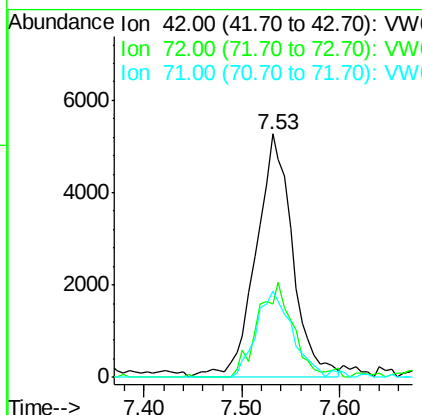
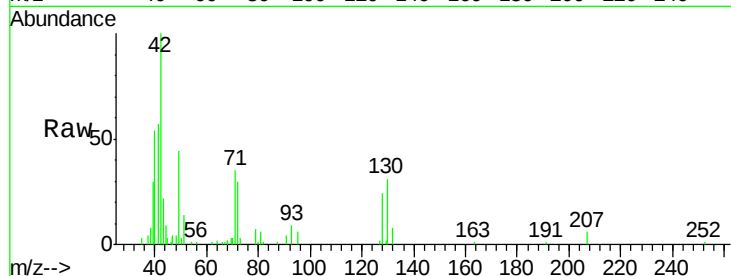
#29
Tetrahydrofuran
Concen: 25.705 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	32.2	48.4
71	34.7	30.7	46.1

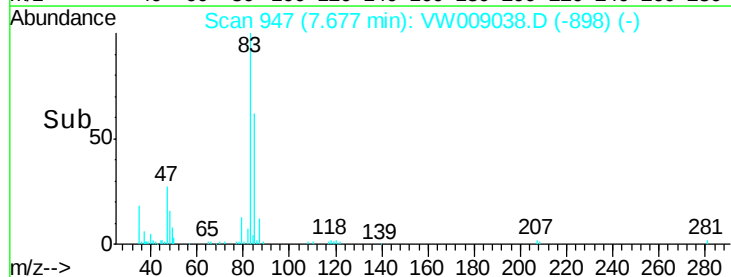
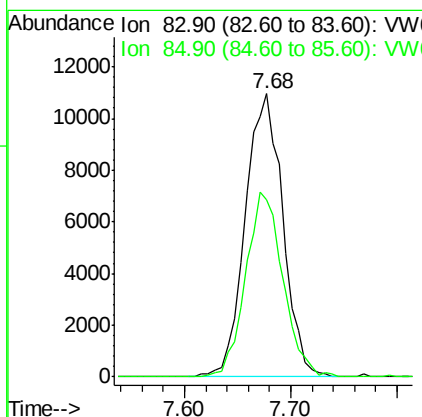
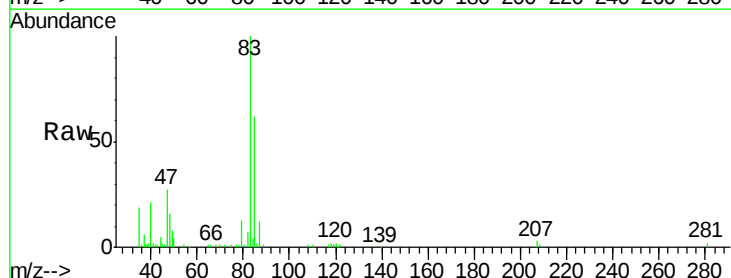
Manual Integrations
APPROVED

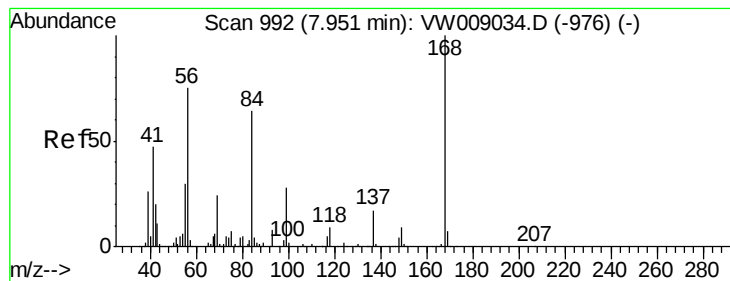
MMDadoda
3/8/2019 12:06:40 PM



#30
Chloroform
Concen: 5.440 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	53.0	79.6





#31

Cyclohexane

Concen: 6.493 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 32165

Ion Ratio Lower Upper

56 100

69 57.6 25.5 38.3#

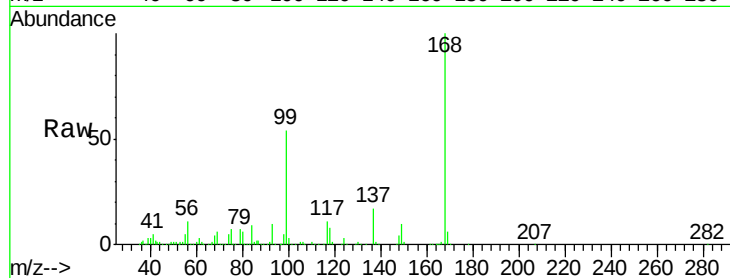
84 78.7 68.6 103.0

Manual Integrations

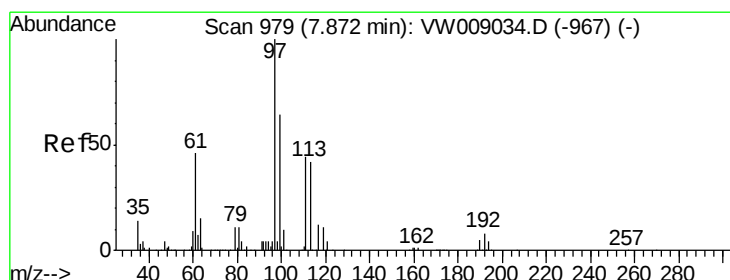
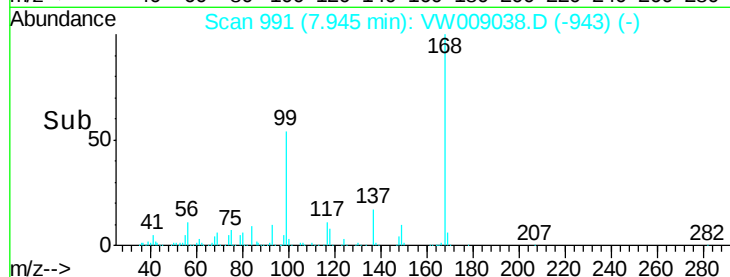
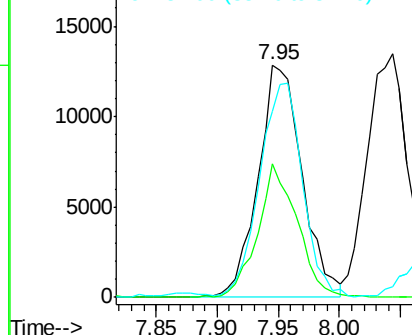
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 5.568 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

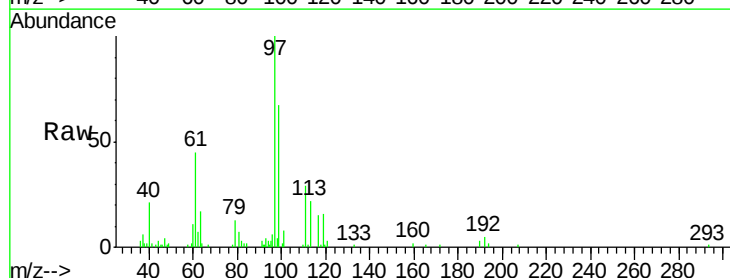
Tgt Ion: 97 Resp: 25508

Ion Ratio Lower Upper

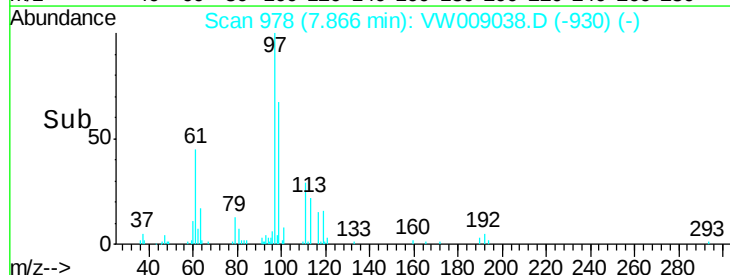
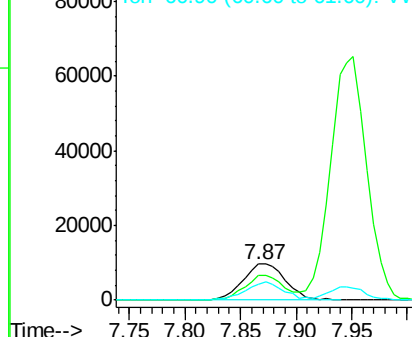
97 100

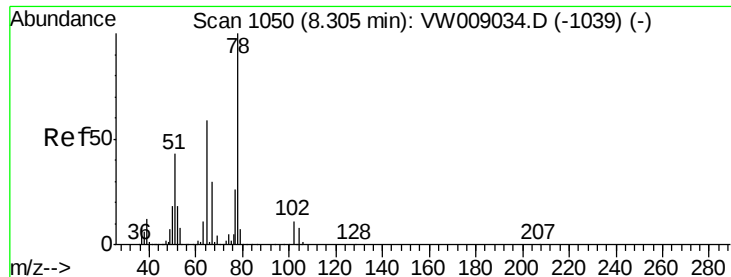
99 61.7 51.8 77.8

61 46.0 37.3 55.9



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





#33

1,2-Dichloroethane-d4

Concen: 5.175 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 14183

Ion Ratio Lower Upper

65 100

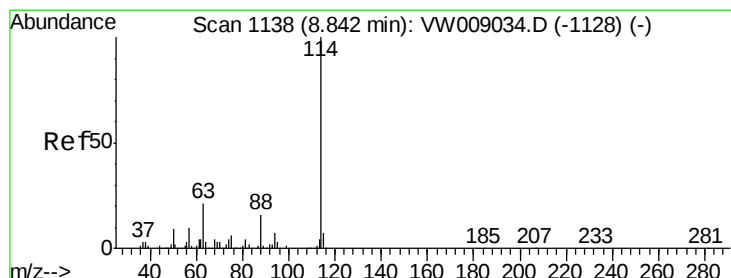
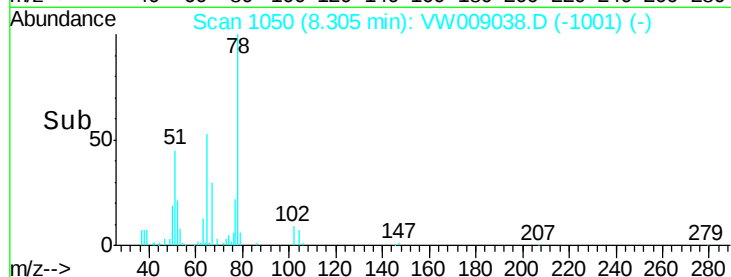
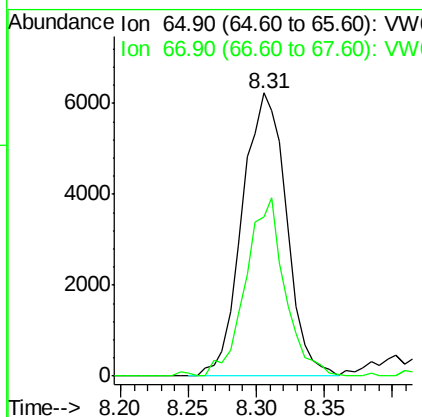
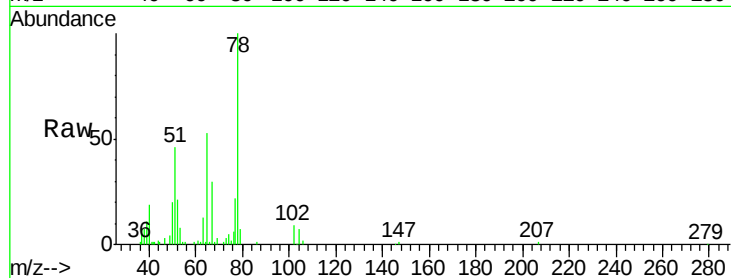
67 55.9 0.0 103.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

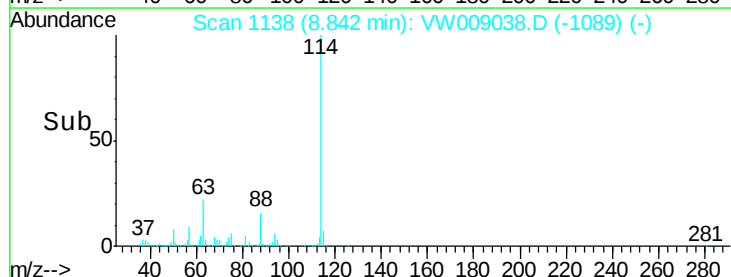
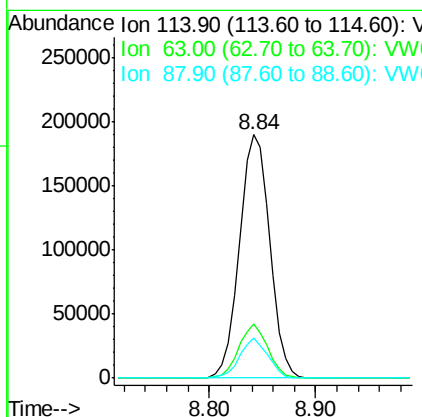
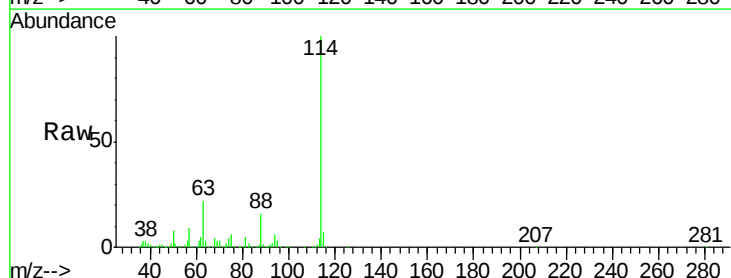
Tgt Ion: 114 Resp: 380483

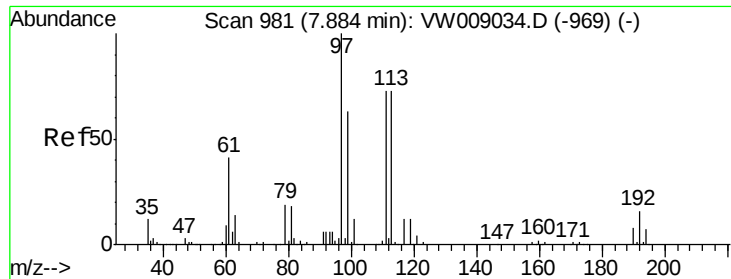
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.2

88 16.2 0.0 31.2





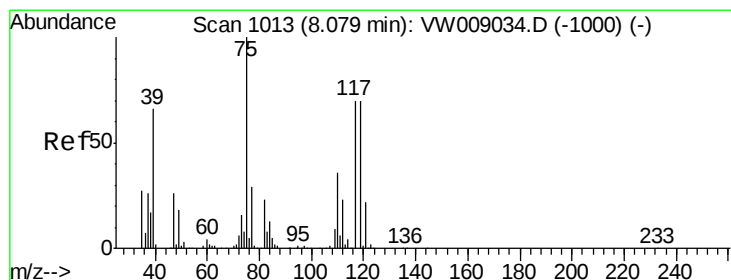
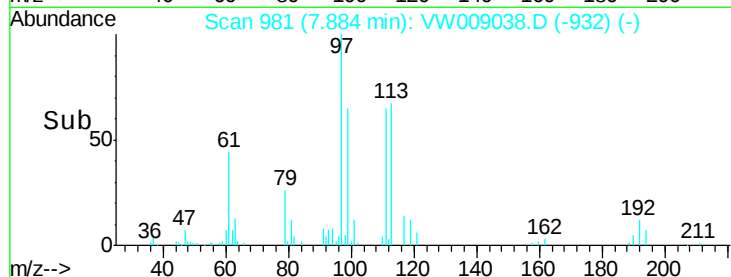
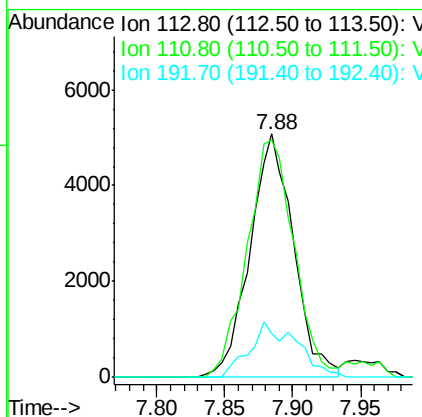
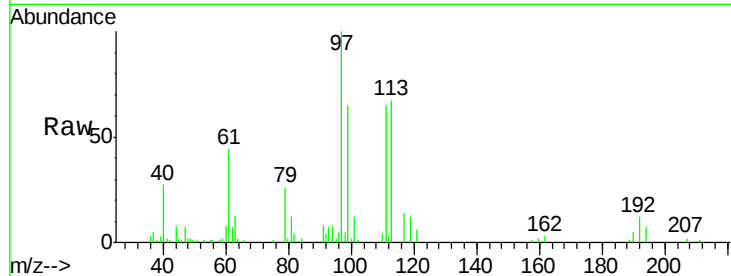
#35
 Dibromofluoromethane
 Concen: 4.947 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.0	121.4
192	24.5	17.1	25.7

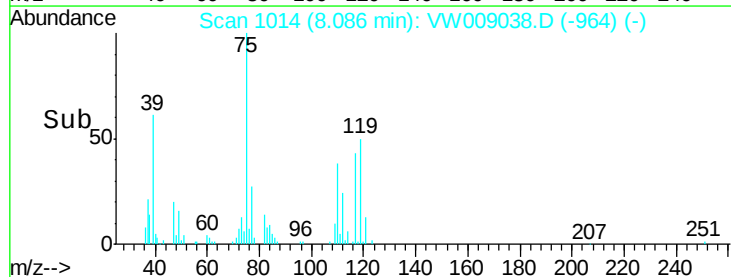
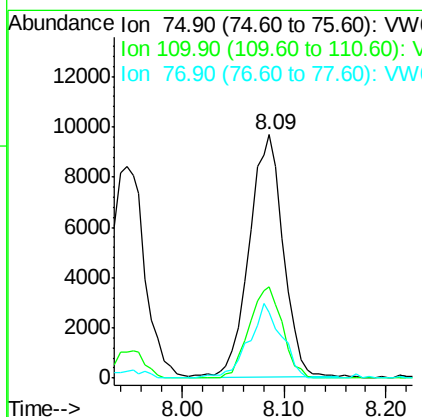
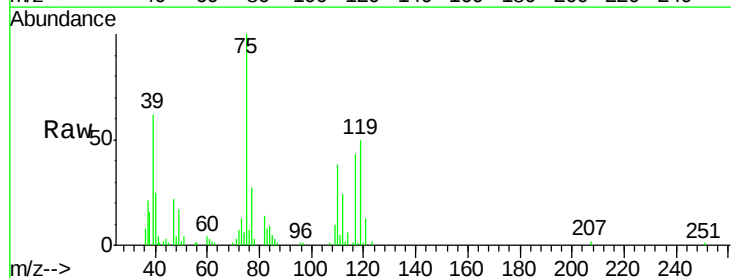
Manual Integrations
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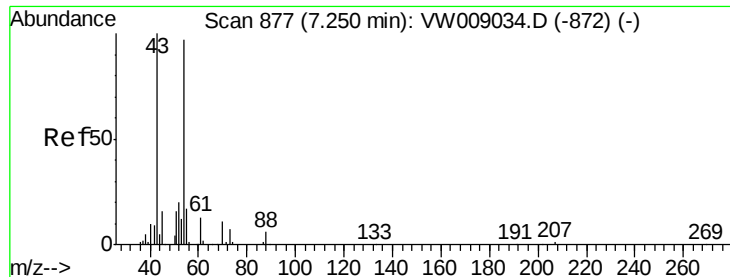
MMDadoda
 3/8/2019 12:06:40 PM



#36
 1,1-Dichloropropene
 Concen: 5.683 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.6	52.9
77	29.5	25.1	37.7





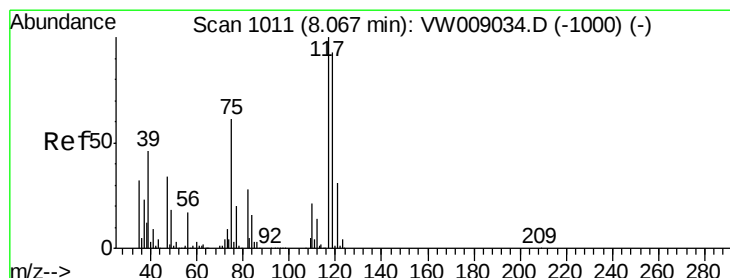
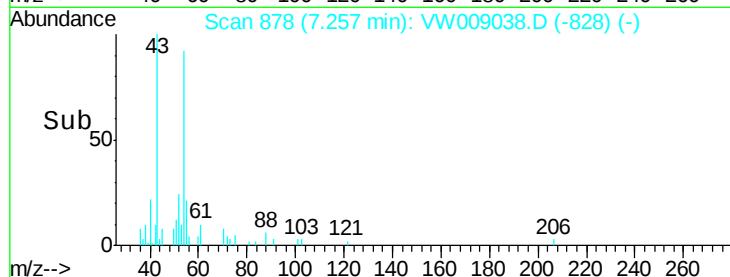
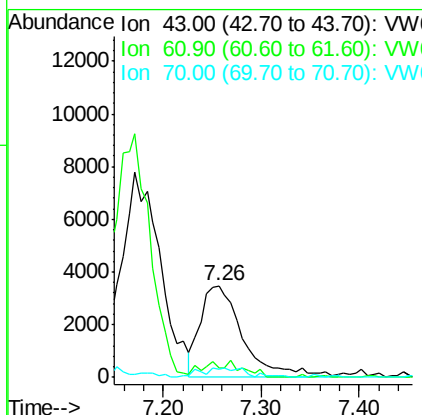
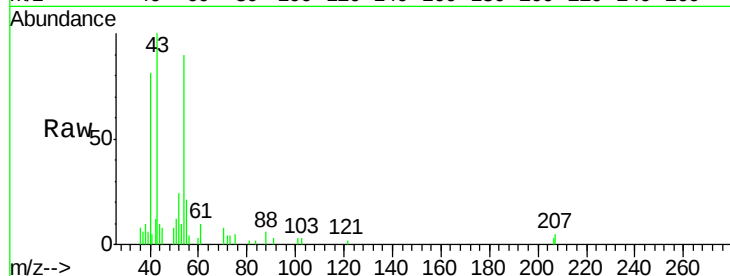
#37
Ethyl Acetate
Concen: 5.720 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.6#
70	6.9	7.2	10.8#

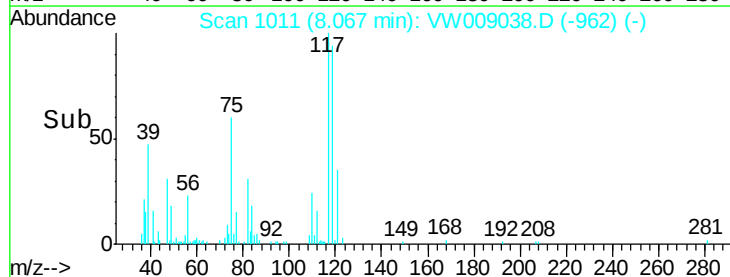
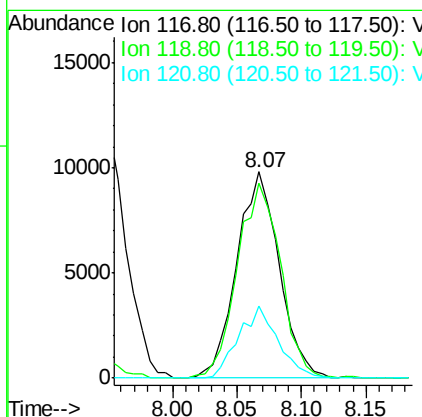
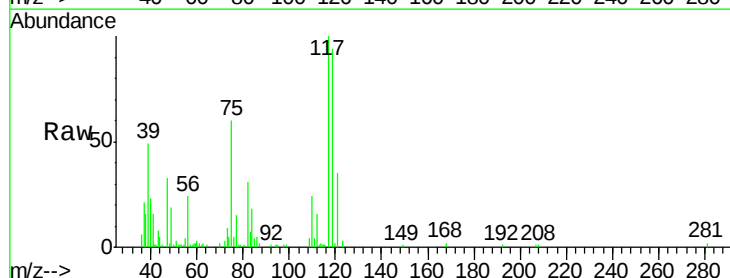
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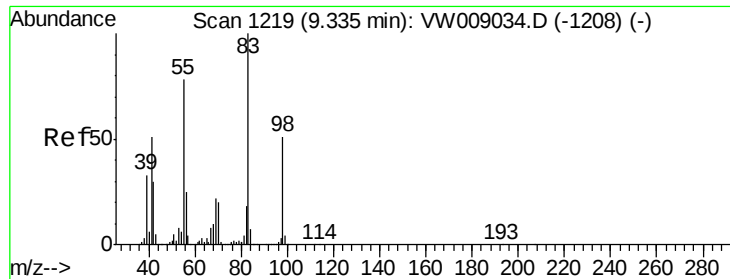
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#38
Carbon Tetrachloride
Concen: 5.482 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	74.6	112.0
121	34.7	24.7	37.1





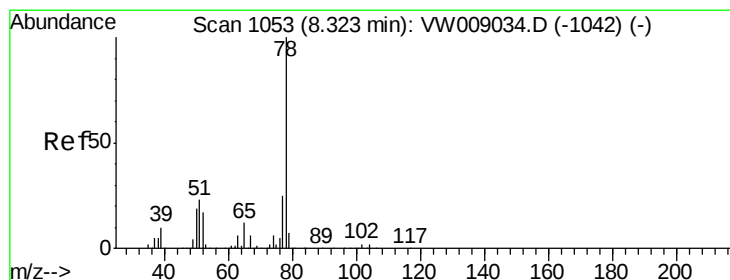
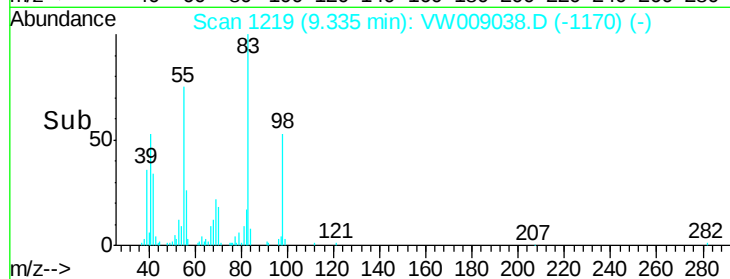
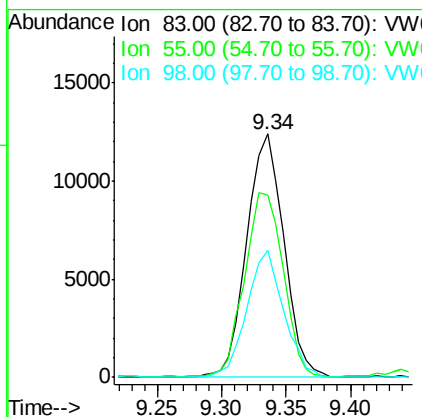
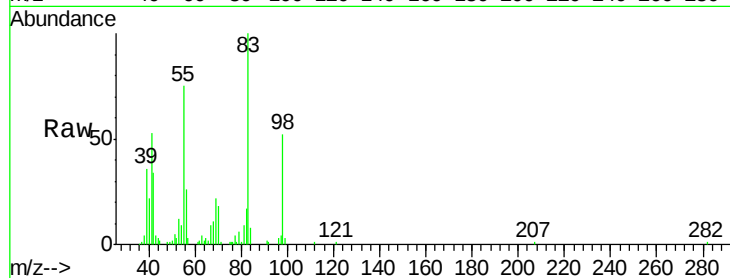
#39
Methvlcvclohexane
Concen: 5.259 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	24797
Ion Ratio	Lower	Upper	
83	100		
55	74.9	62.7	94.1
98	52.2	40.8	61.2

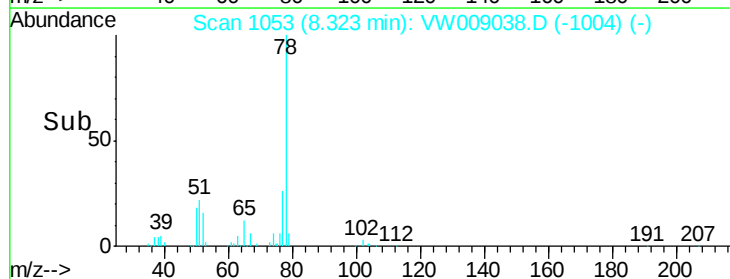
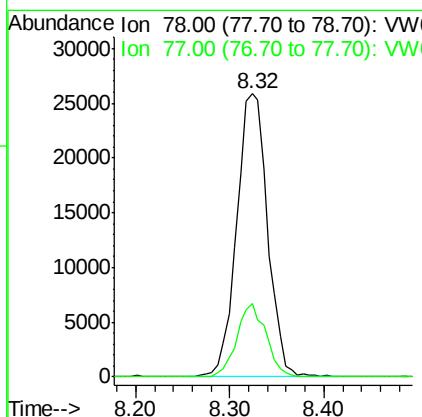
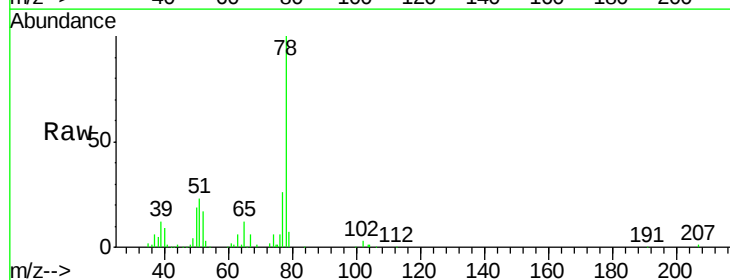
Manual Integrations
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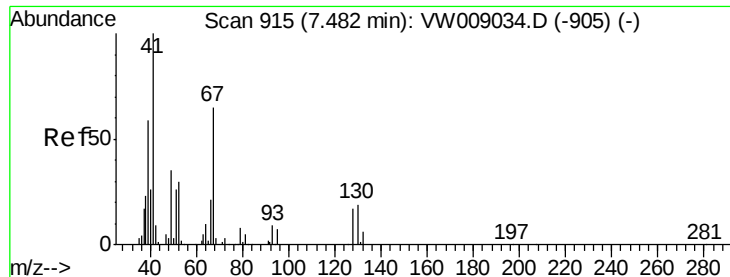
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#40
Benzene
Concen: 5.643 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	78	Resp	59064
Ion Ratio	Lower	Upper	
78	100		
77	25.9	20.2	30.4





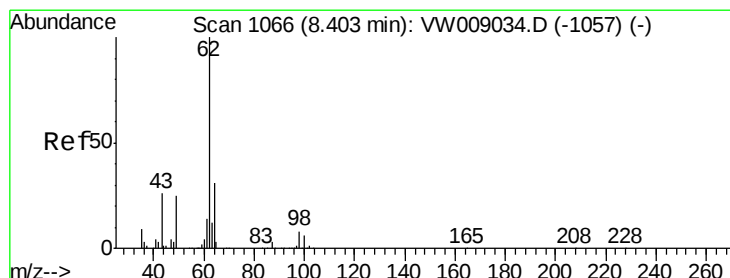
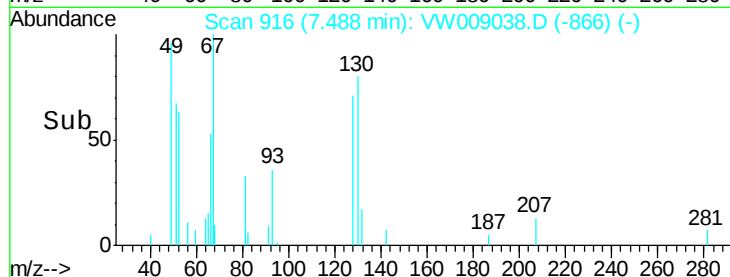
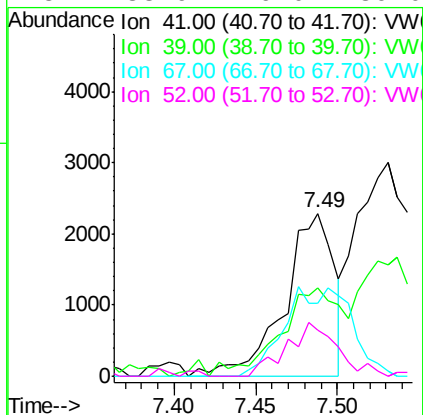
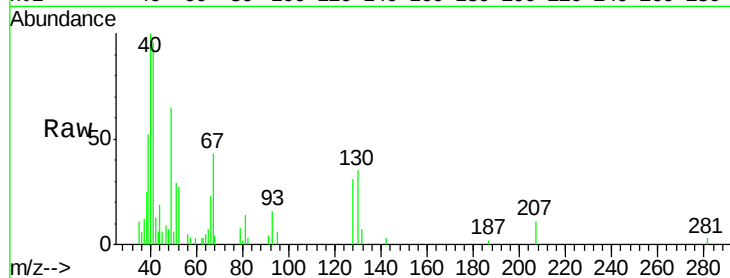
#41
Methacrylonitrile
Concen: 4.965 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	4839
Ion	Ratio	Lower	Upper
41	100		
39	67.9	53.6	80.4
67	73.5	57.6	86.4
52	33.9	26.0	39.0

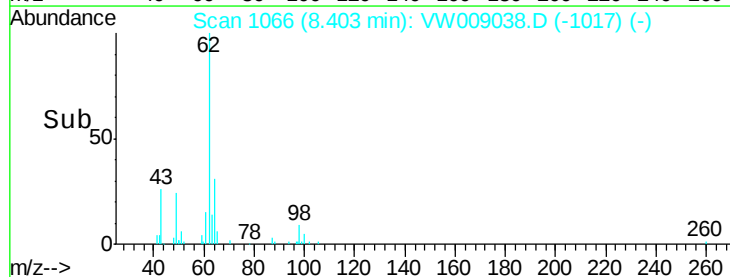
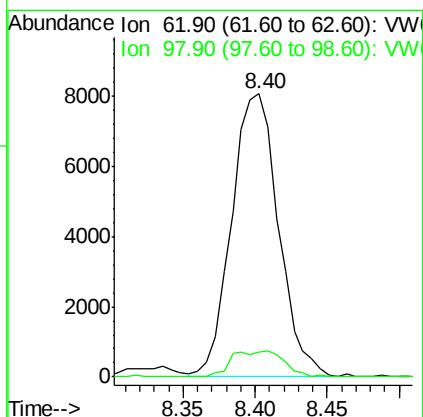
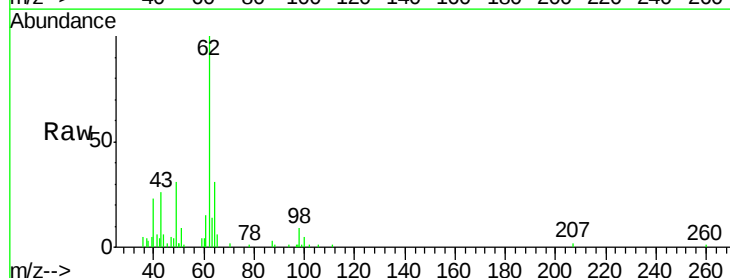
Manual Integrations
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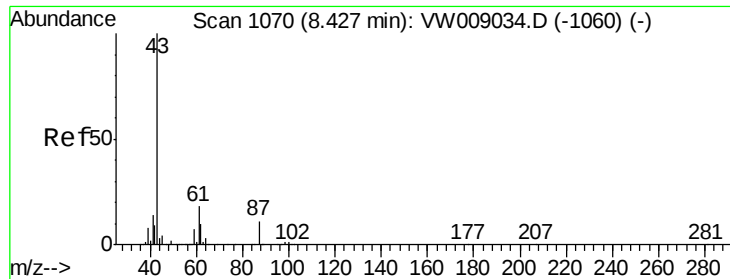
MMDadoda
3/8/2019 12:06:40 PM



#42
1,2-Dichloroethane
Concen: 5.364 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion:	62	Resp:	18298
Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	17.6





#43

Isopropyl Acetate

Concen: 5.167 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

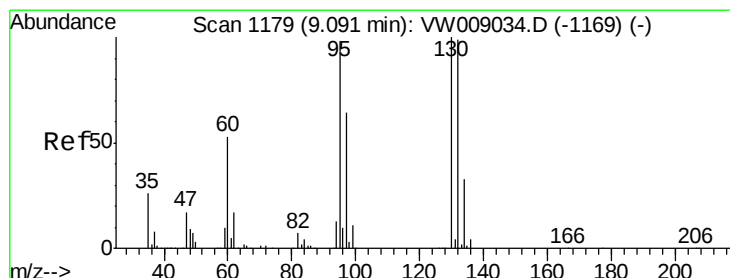
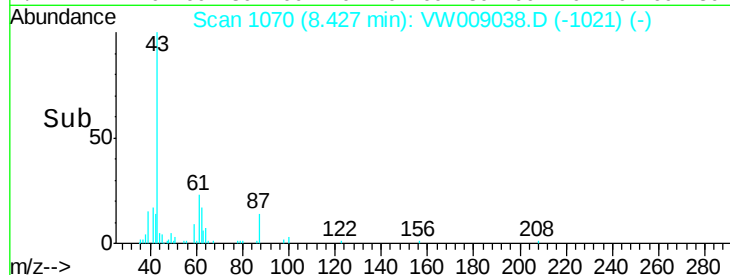
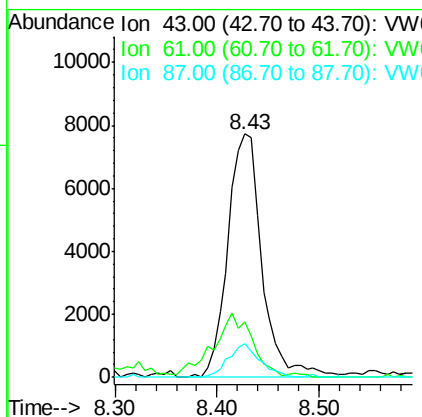
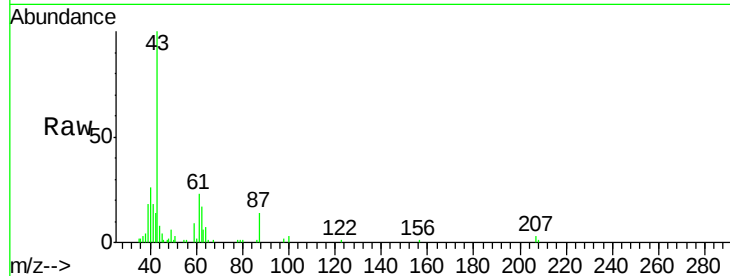
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	17875
Ion	Ratio	Lower	Upper
43	100		
61	30.5	22.8	34.2
87	12.7	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 5.729 ug/l

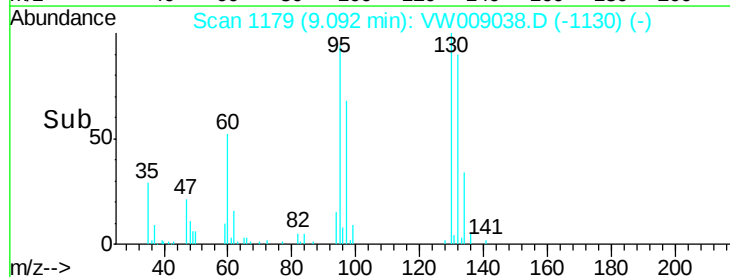
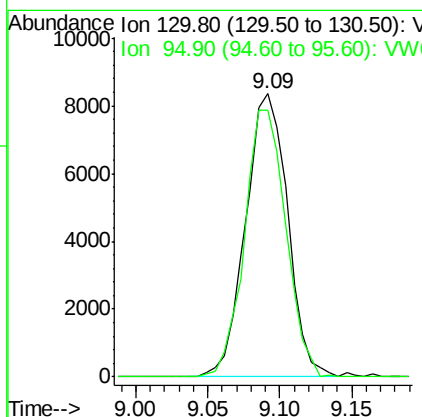
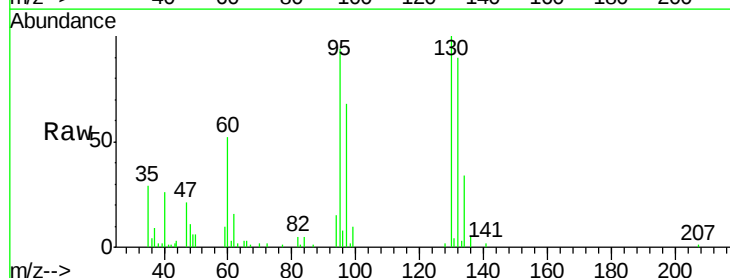
RT: 9.09 min Scan# 1179

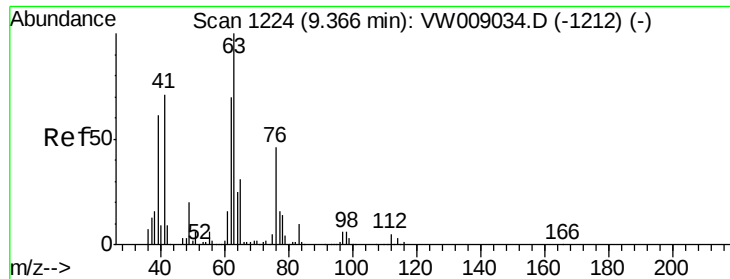
Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Tgt Ion:	130	Resp:	16860
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	197.0





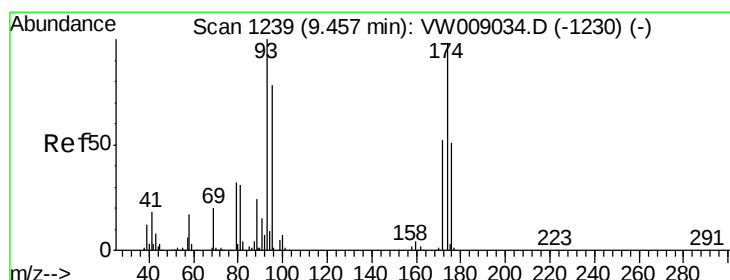
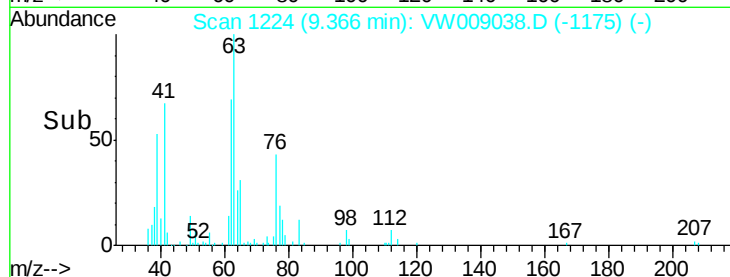
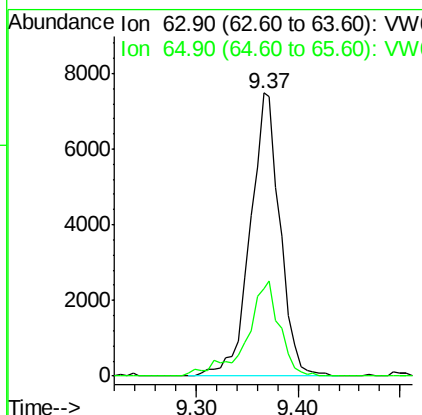
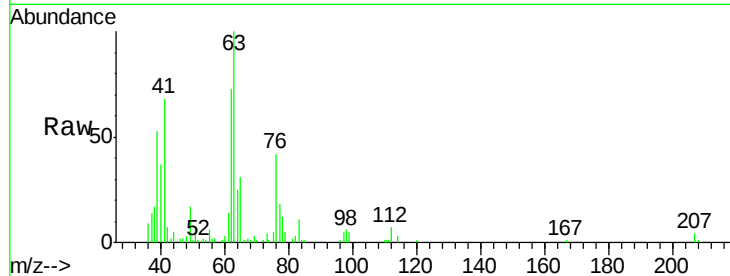
#45
 1,2-Dichloropropane
 Concen: 5.853 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	63	Resp	15240
Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.9	37.3

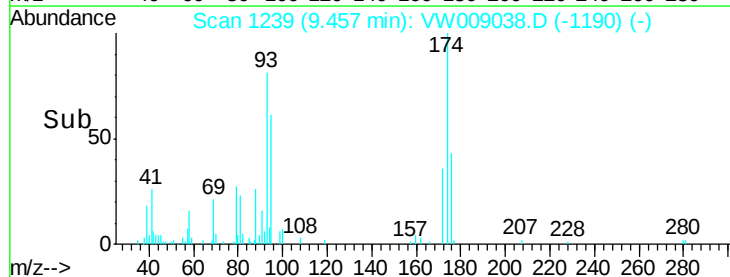
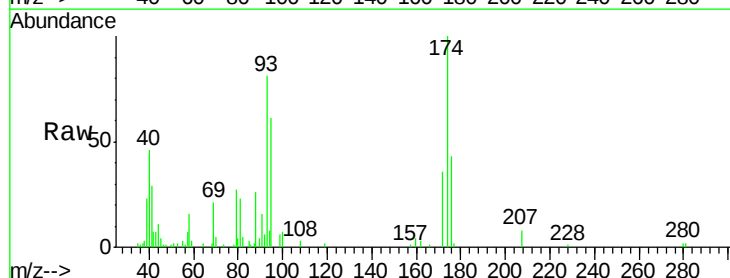
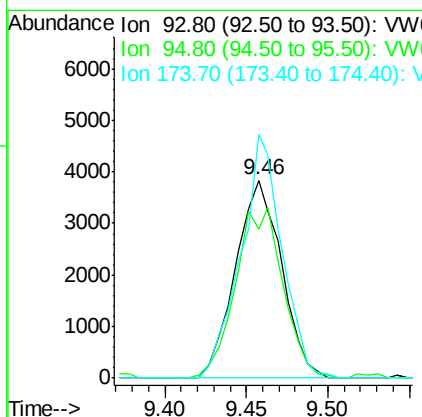
Manual Integrations
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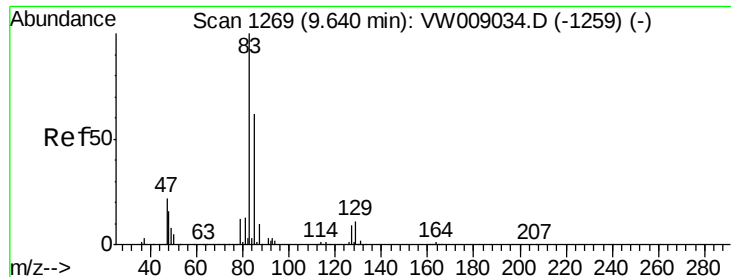
MMDadoda
 3/8/2019 12:06:40 PM



#46
 Dibromomethane
 Concen: 5.194 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion	93	Resp	7512
Ion	Ratio	Lower	Upper
93	100		
95	89.4	65.0	97.6
174	111.1	81.8	122.6





#47

Bromodichloromethane

Concen: 5.337 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

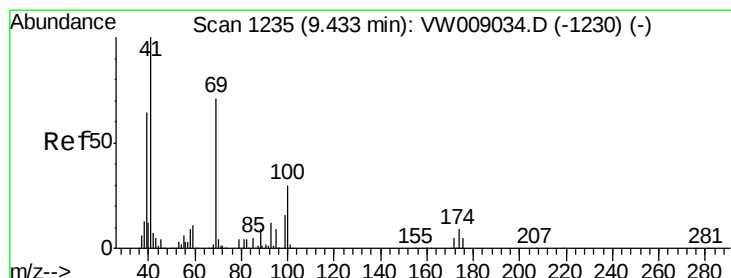
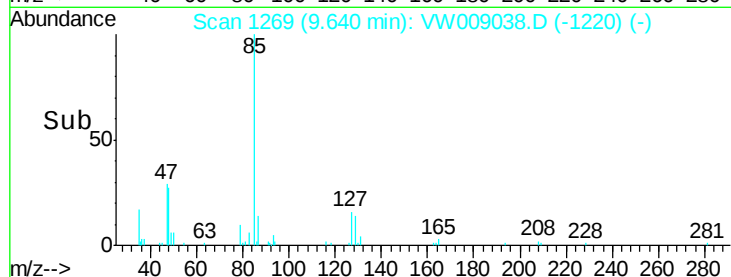
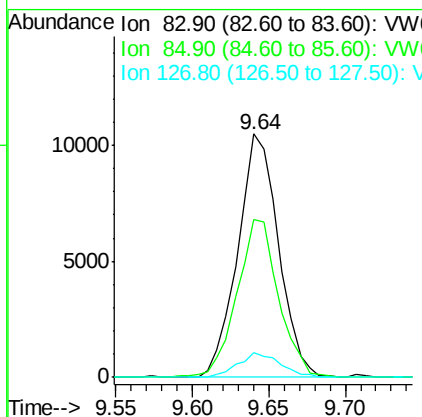
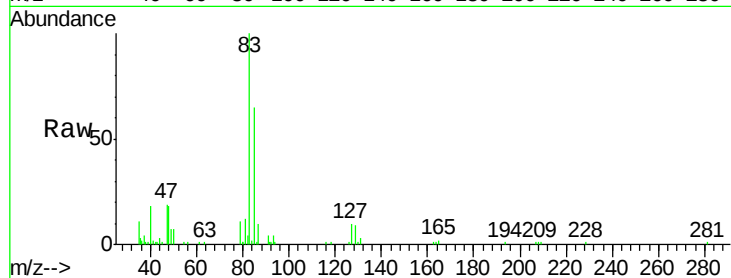
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	19457
Ion Ratio	Lower	Upper	
83	100		
85	65.0	49.9	74.9
127	10.3	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.478 ug/l

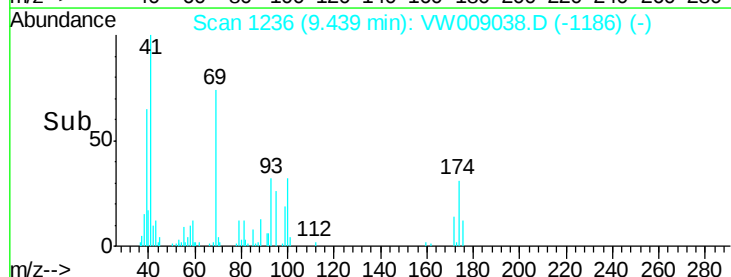
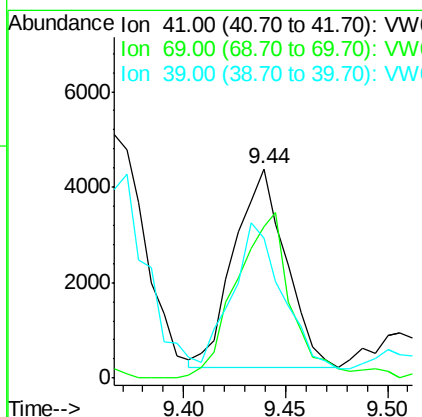
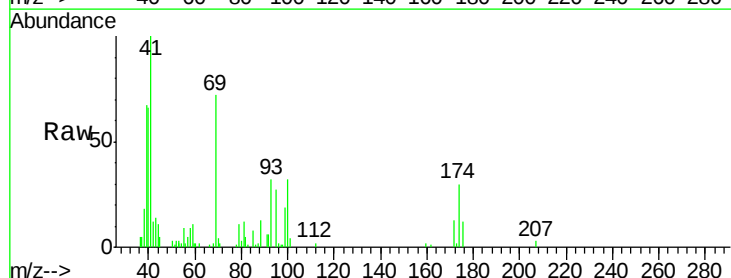
RT: 9.44 min Scan# 1236

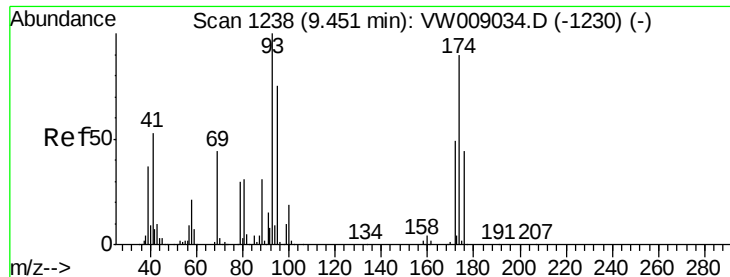
Delta R.T. 0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Tgt Ion:	41	Resp:	7305
Ion Ratio	Lower	Upper	
41	100		
69	88.0	59.1	88.7
39	81.6	48.9	73.3#





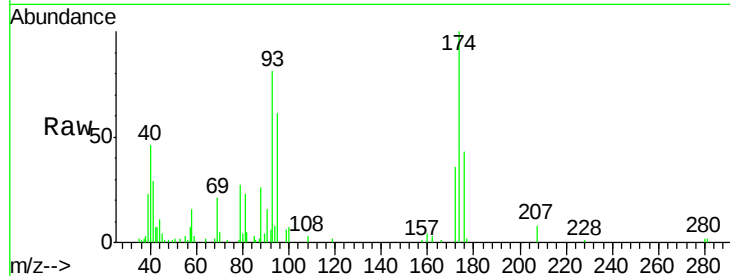
#49
1,4-Dioxane
Concen: 112.608 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	2391
Ion	Ratio	Lower	Upper
88	100		
43	36.5	29.0	43.4
58	72.2	59.2	88.8

Manual Integrations
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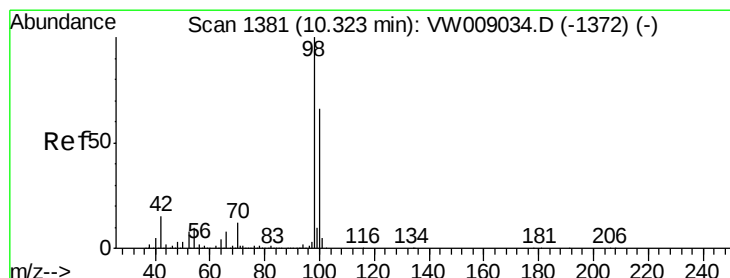
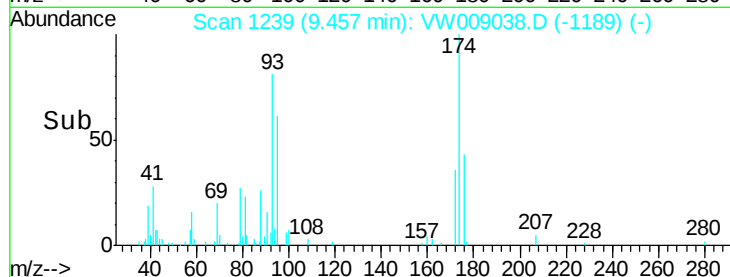
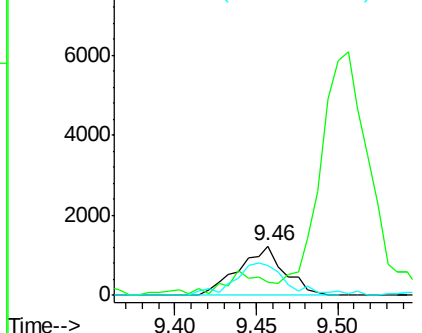


Abundance

Ion 88.00 (87.70 to 88.70): VW

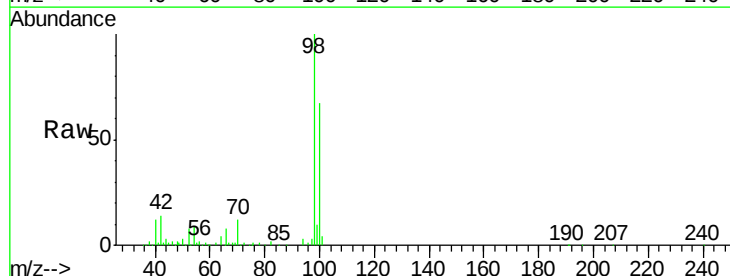
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 5.215 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

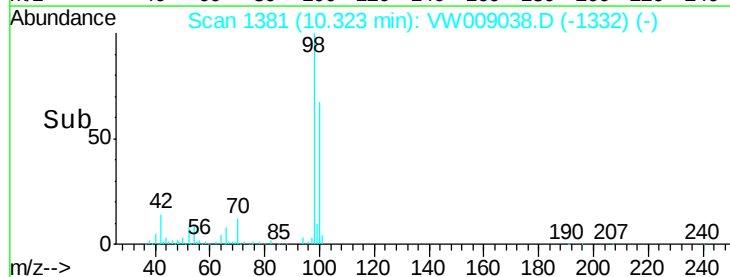
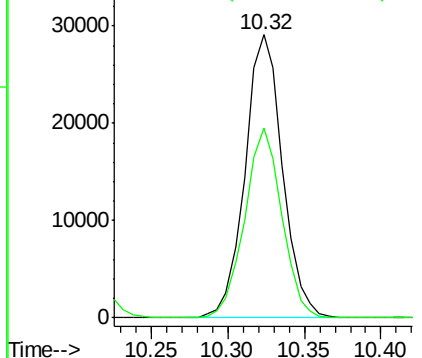
Tgt Ion	98	Resp	49489
Ion	Ratio	Lower	Upper
98	100		
100	66.4	51.9	77.9

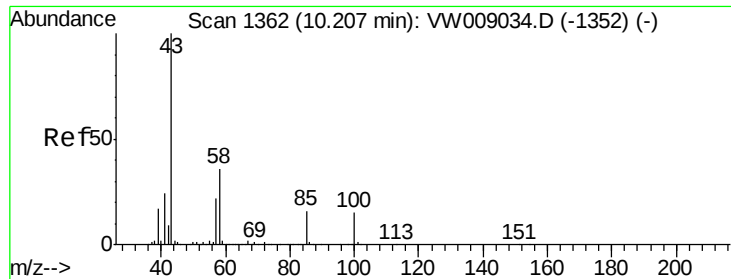


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





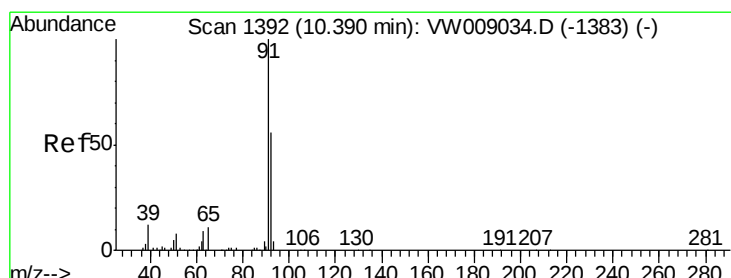
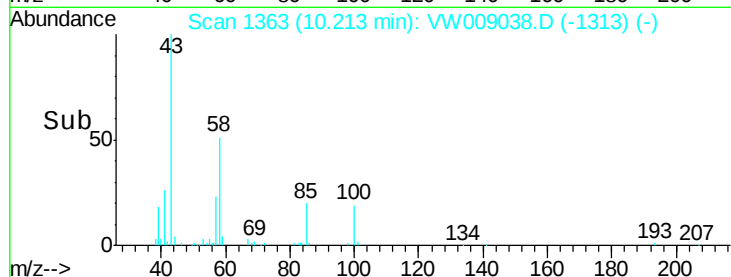
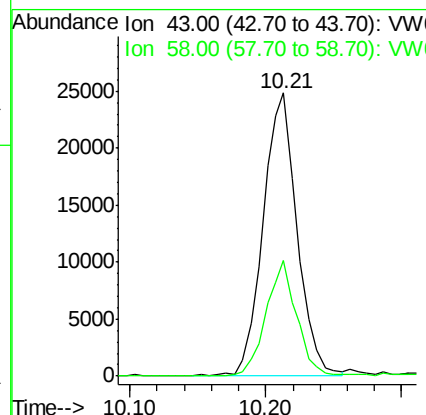
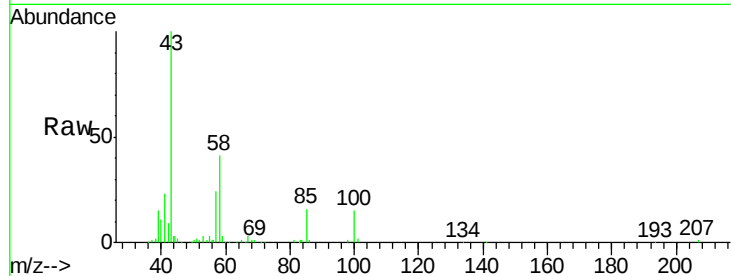
#51
4-Methyl-2-Pentanone
Concen: 24.677 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	43	Resp	43514
Ion Ratio	100	Lower	Upper
58	36.8	28.8	43.2

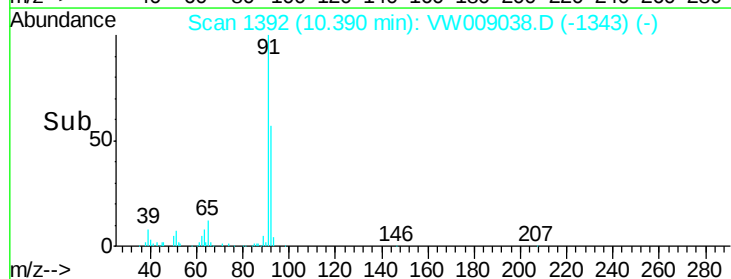
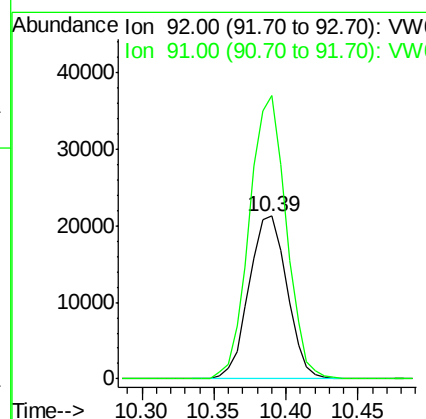
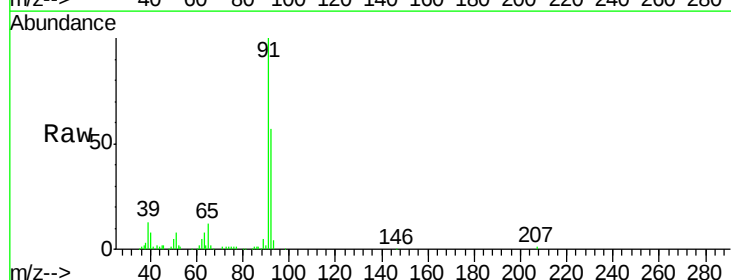
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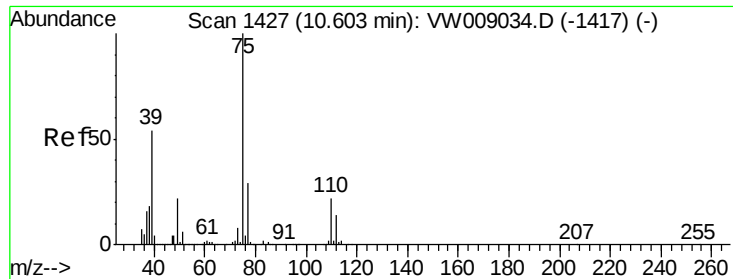
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#52
Toluene
Concen: 5.438 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	92	Resp	38823
Ion Ratio	100	Lower	Upper
91	168.8	139.9	209.9





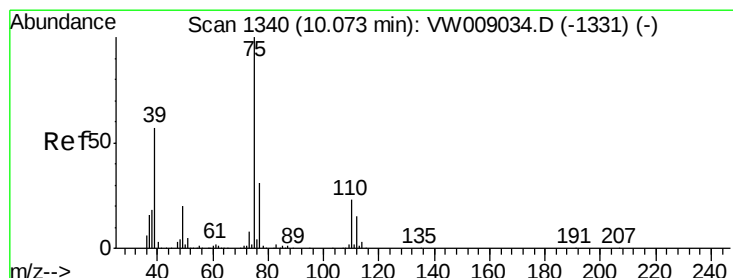
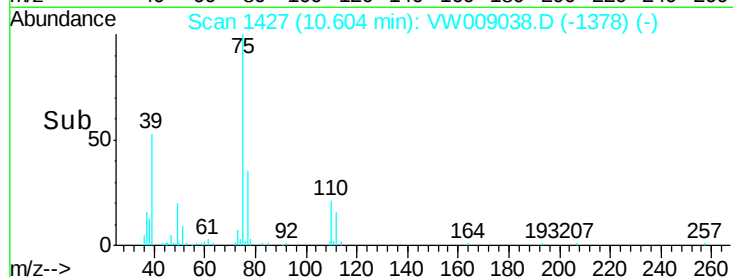
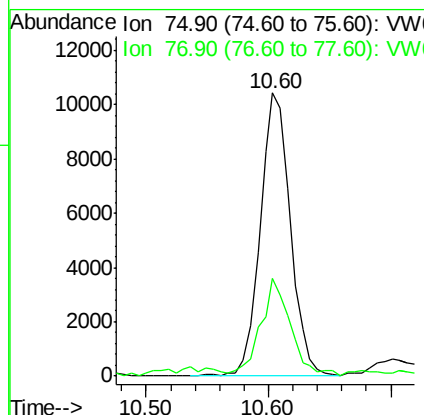
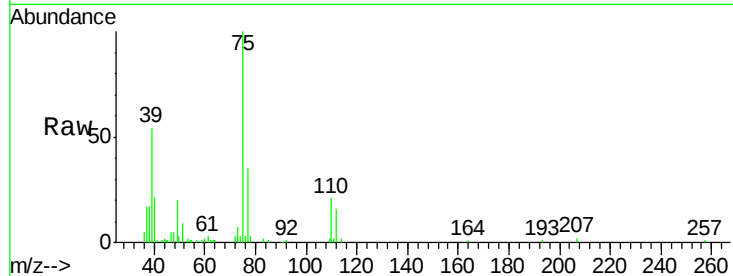
#53
t-1,3-Dichloropropene
Concen: 4.939 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 17905
Ion Ratio Lower Upper
75 100
77 33.8 23.6 35.4

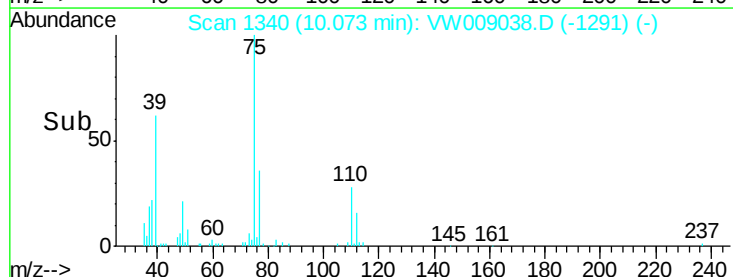
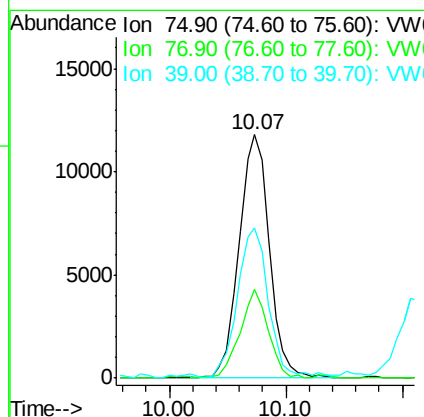
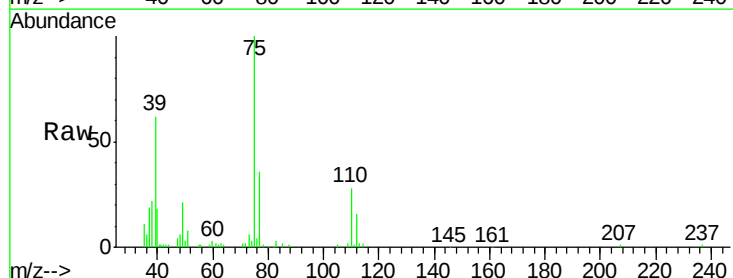
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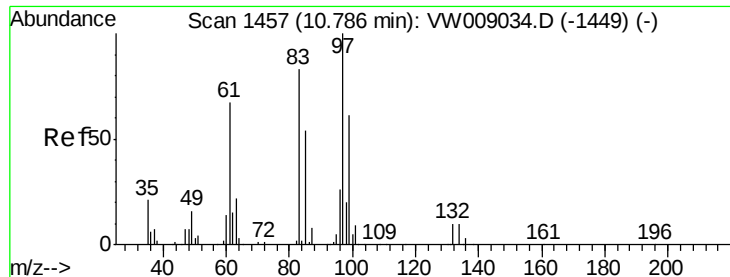
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#54
cis-1,3-Dichloropropene
Concen: 5.167 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion: 75 Resp: 21372
Ion Ratio Lower Upper
75 100
77 36.5 24.6 36.8
39 60.6 45.9 68.9





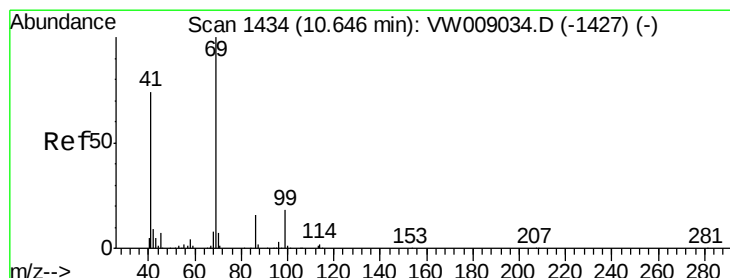
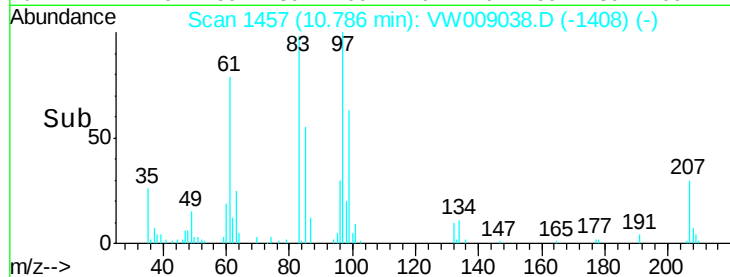
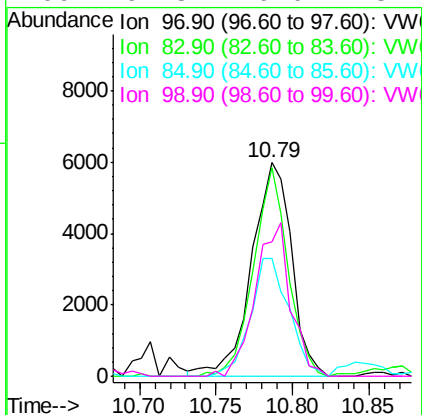
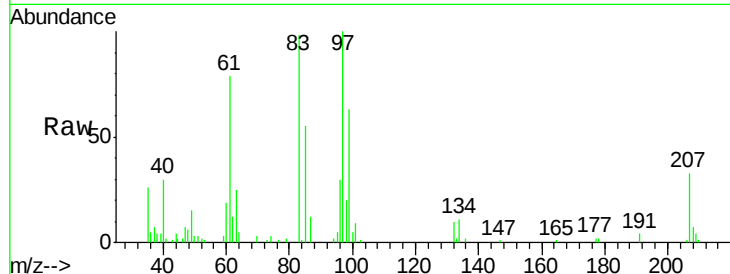
#55
 1,1,2-Trichloroethane
 Concen: 5.548 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	10874
Ion	Ratio	Lower	Upper
97	100		
83	97.7	66.2	99.2
85	55.3	43.6	65.4
99	62.8	49.0	73.4

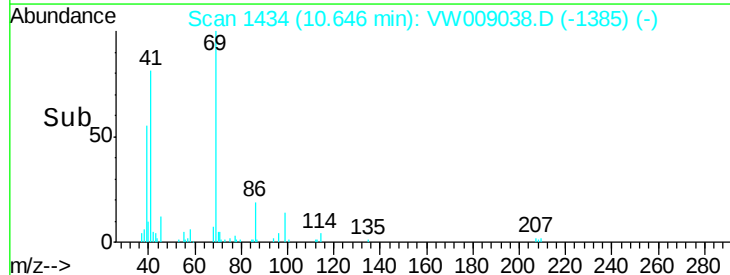
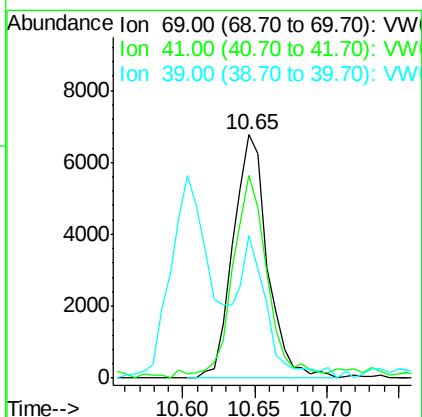
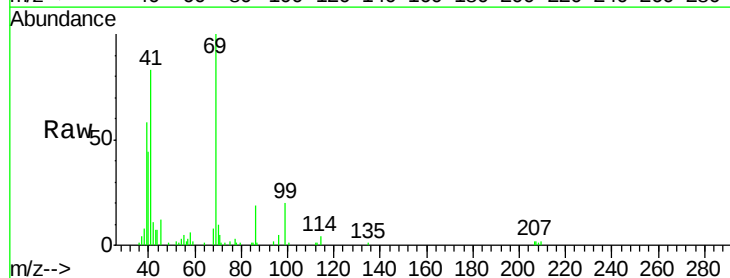
Manual Integrations
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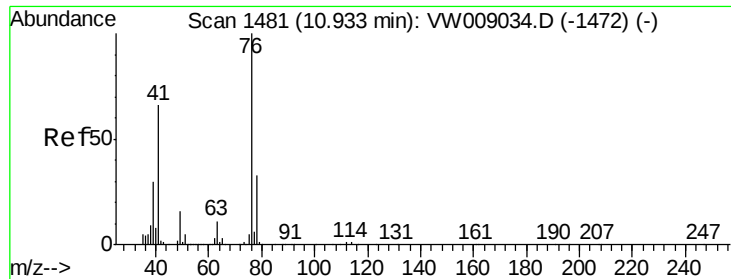
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#56
 Ethyl methacrylate
 Concen: 4.564 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion:	69	Resp:	11215
Ion	Ratio	Lower	Upper
69	100		
41	84.4	59.4	89.2
39	52.7	38.5	57.7





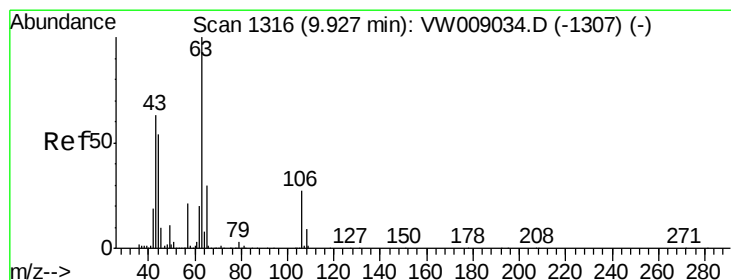
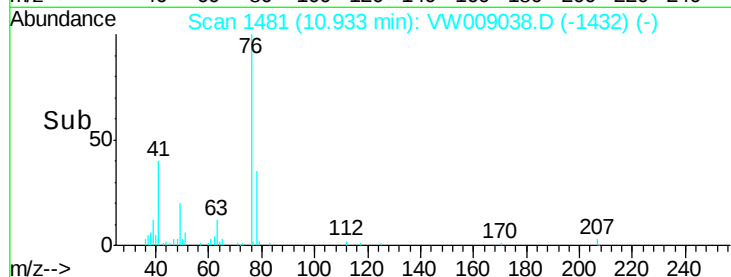
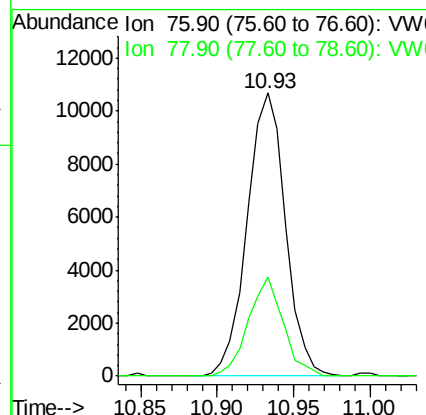
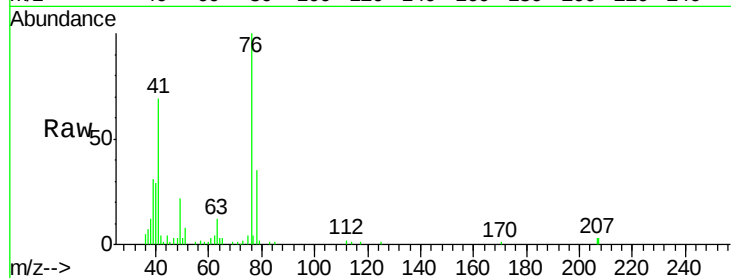
#57
 1,3-Dichloropropane
 Concen: 5.343 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 18590
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

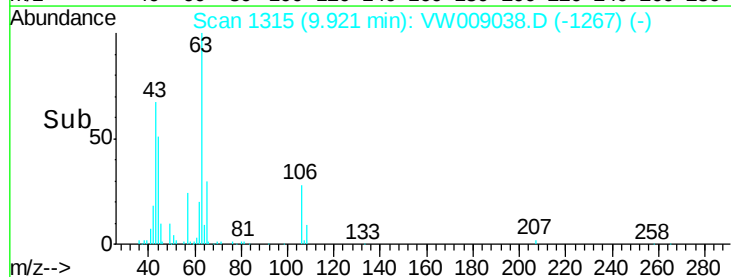
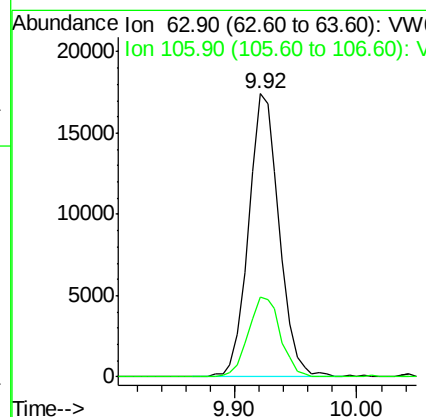
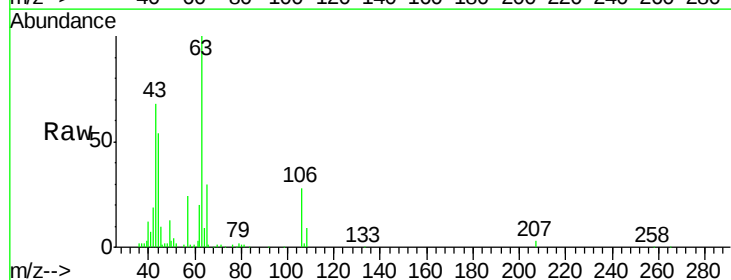
Manual Integrations
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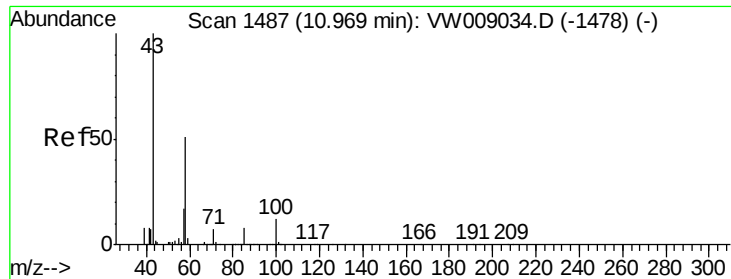
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#58
 2-Chloroethyl Vinyl ether
 Concen: 23.693 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion: 63 Resp: 30254
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.0 34.6





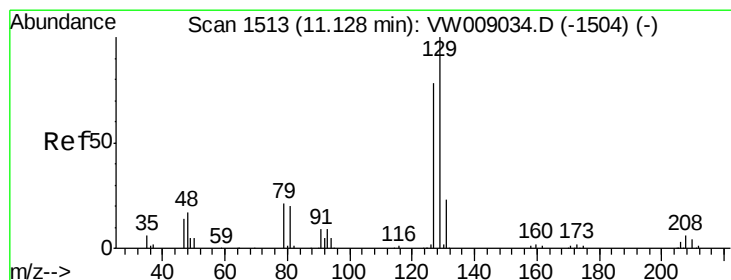
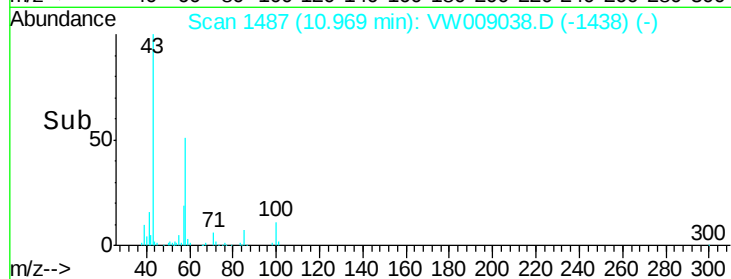
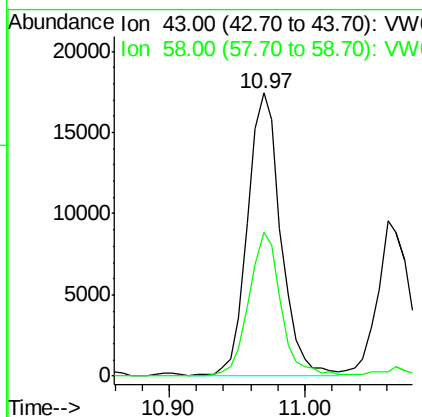
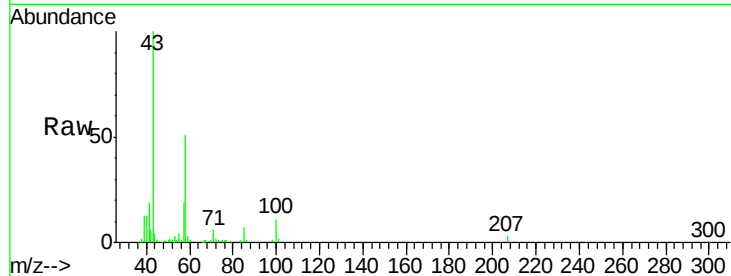
#59
2-Hexanone
Concen: 23.791 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	29618
Ion Ratio	100	Lower	Upper
43	100		
58	49.8	25.3	75.9

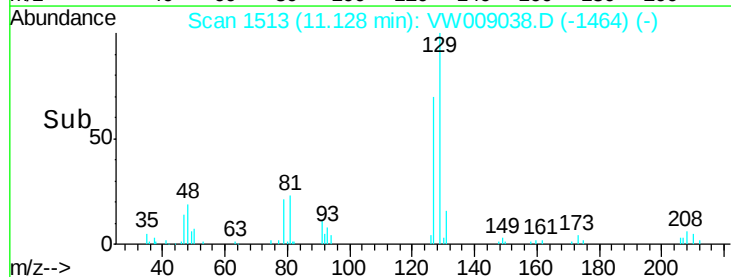
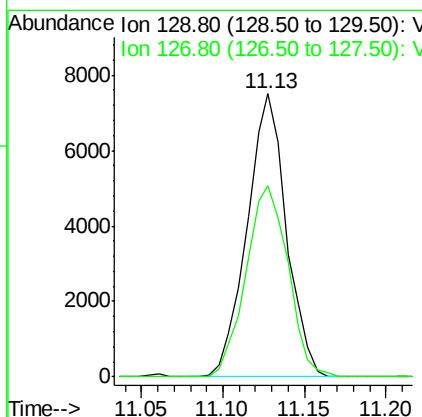
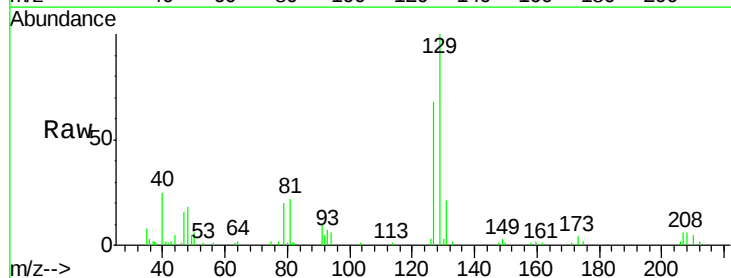
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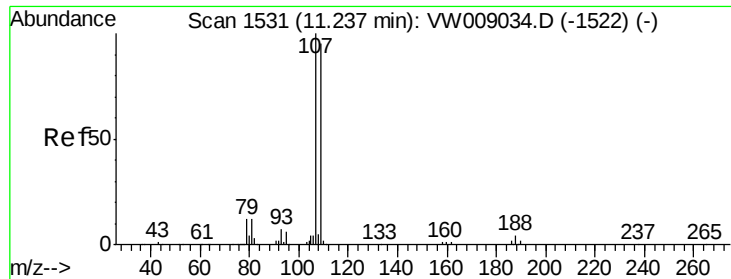
MMDadoda
3/8/2019 12:06:40 PM



#60
Dibromochloromethane
Concen: 5.241 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	129	Resp	12619
Ion Ratio	100	Lower	Upper
129	100		
127	72.3	38.4	115.1





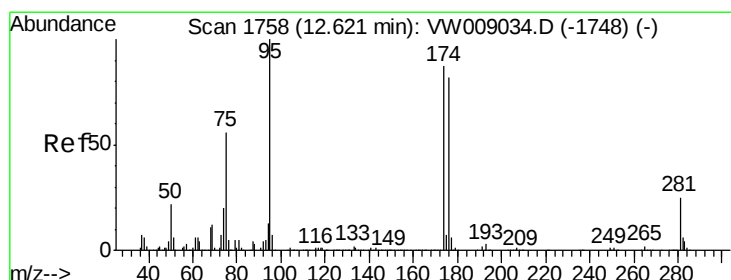
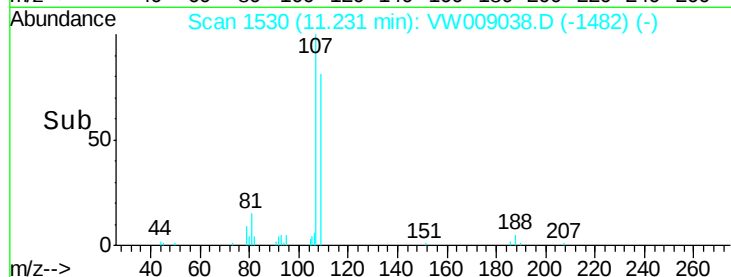
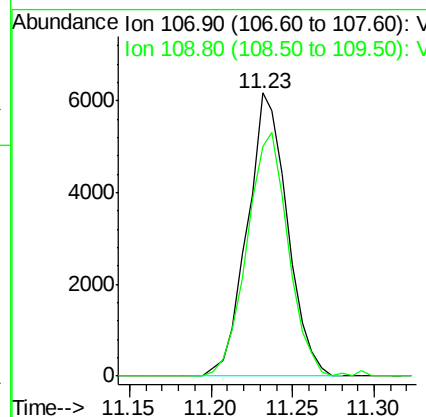
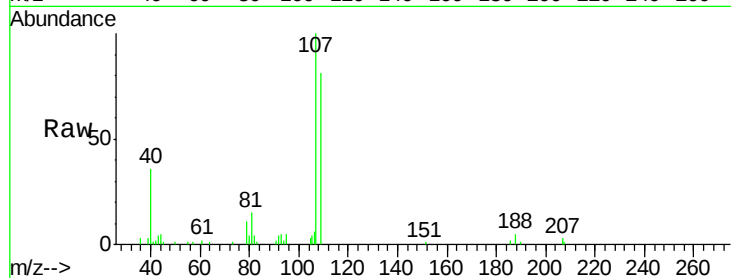
#61
 1,2-Dibromoethane
 Concen: 5.544 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.3	74.7	112.1

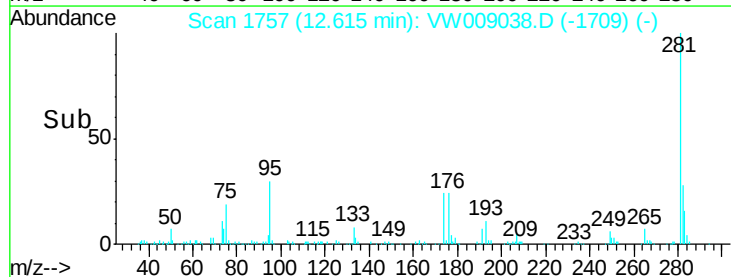
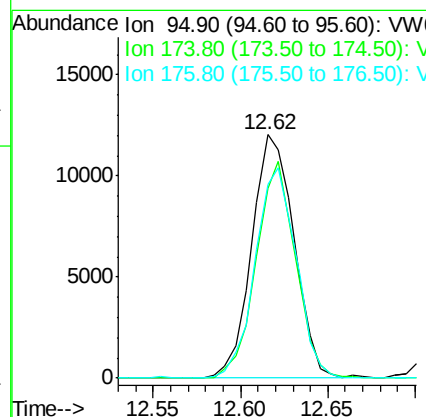
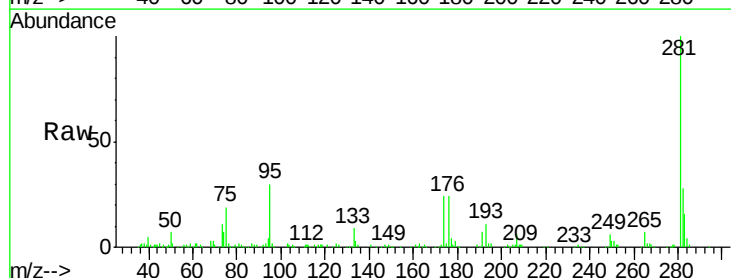
Manual Integrations
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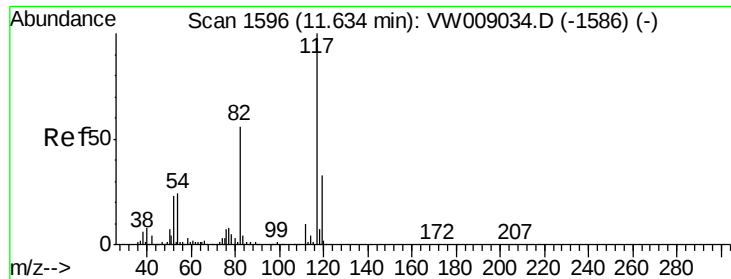
MMDadoda
 3/8/2019 12:06:40 PM



#62
 4-Bromofluorobenzene
 Concen: 5.411 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	167.0
176	83.9	0.0	159.4





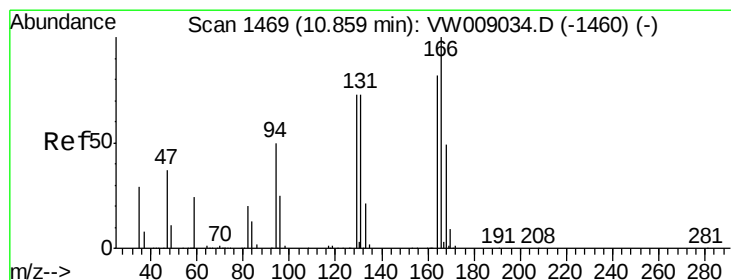
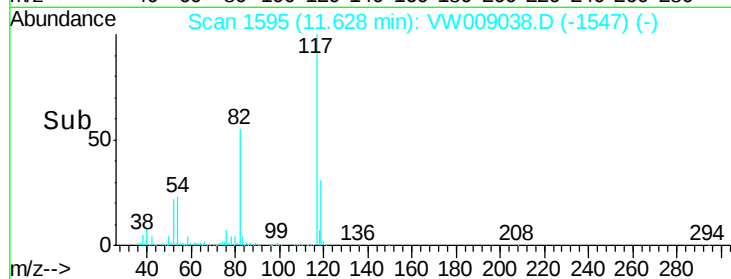
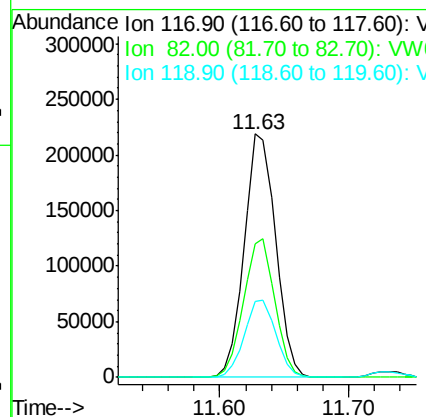
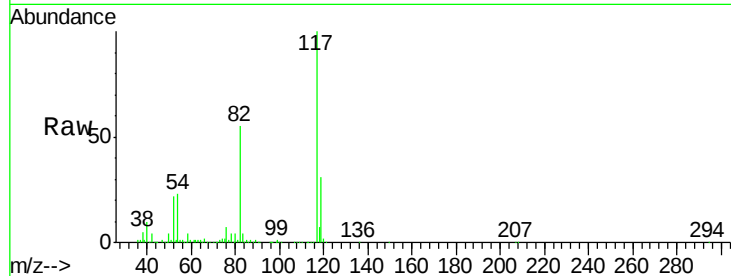
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	45.0	67.6
119	31.3	26.6	39.8

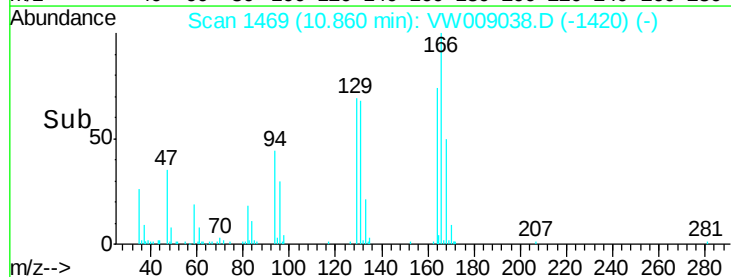
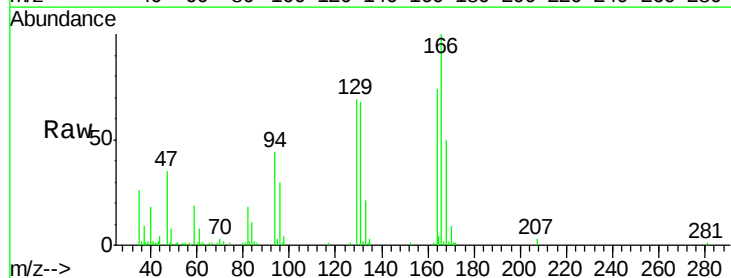
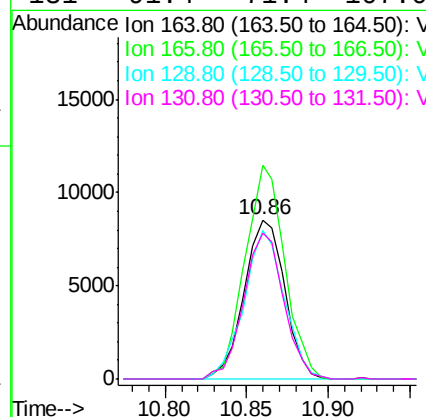
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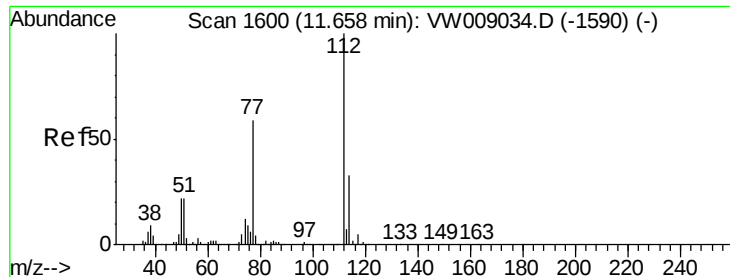
MMDadoda
3/8/2019 12:06:40 PM



#64
Tetrachloroethene
Concen: 5.519 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.2	97.8	146.6
129	93.3	71.6	107.4
131	91.4	71.4	107.0





#65

Chlorobenzene

Concen: 5.696 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 45256

Ion Ratio Lower Upper

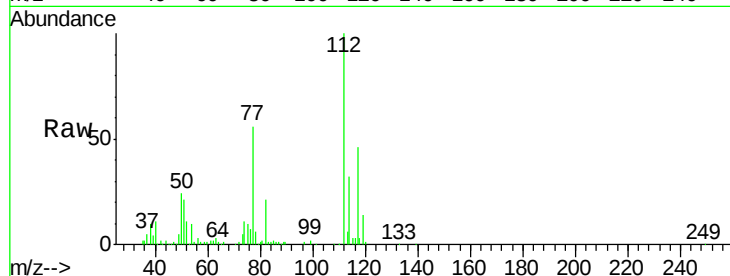
112 100

114 32.0 26.6 40.0

Manual Integrations
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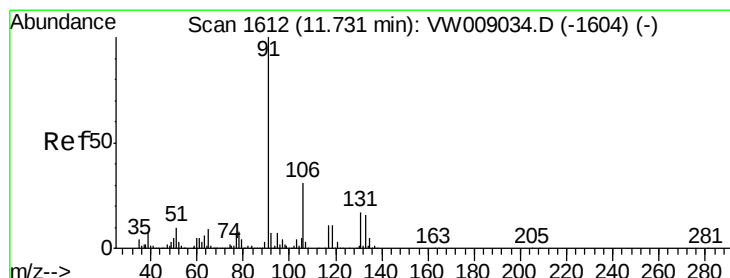
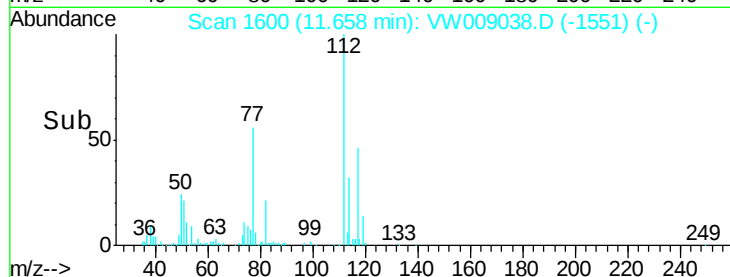
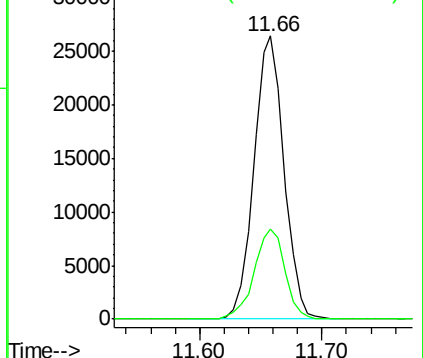
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.258 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

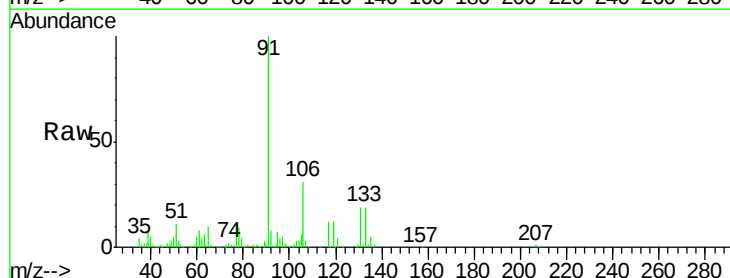
Tgt Ion:131 Resp: 13927

Ion Ratio Lower Upper

131 100

133 104.1 47.6 142.8

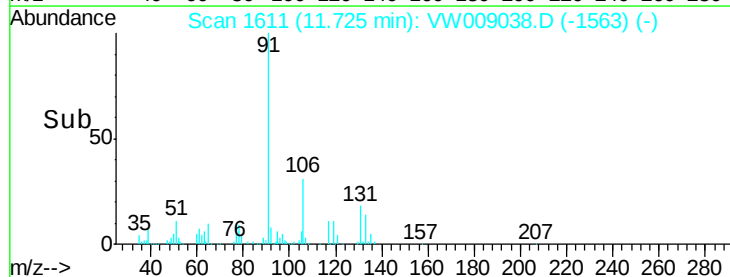
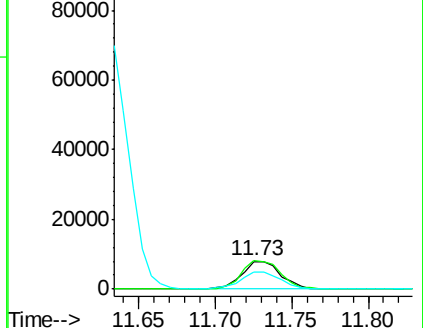
119 64.8 31.3 93.8

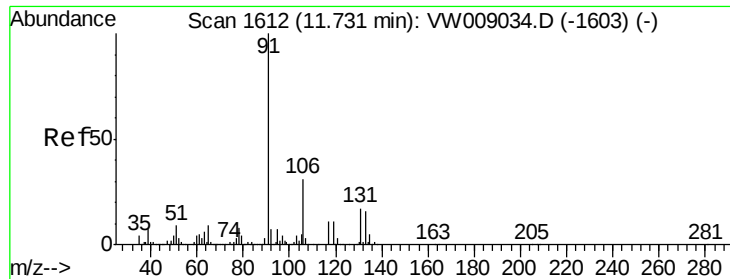


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





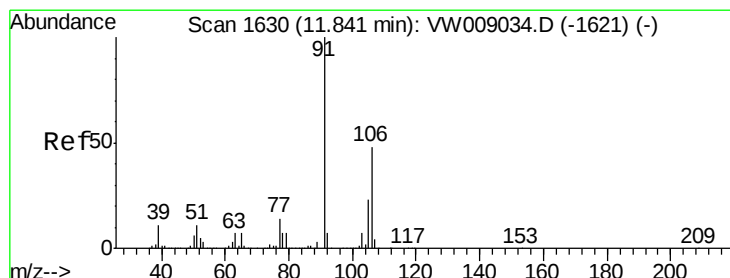
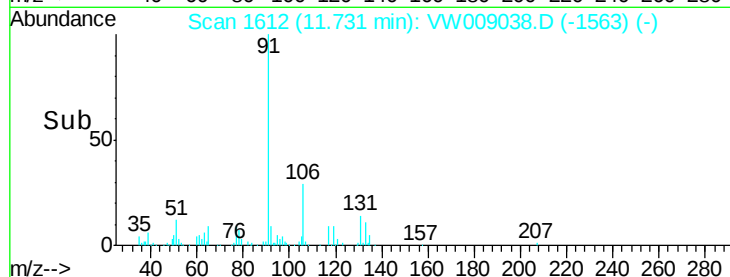
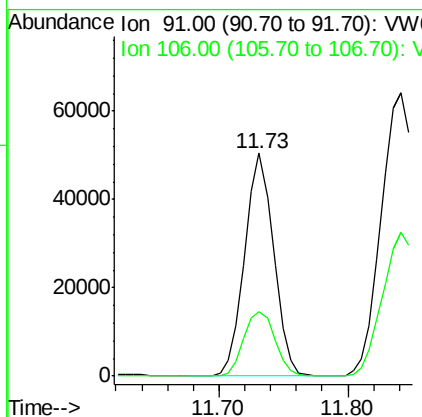
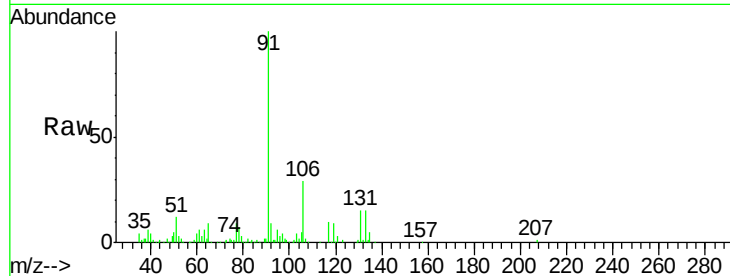
#67
Ethyl Benzene
Concen: 5.513 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 78689
Ion Ratio Lower Upper
91 100
106 29.1 25.0 37.4

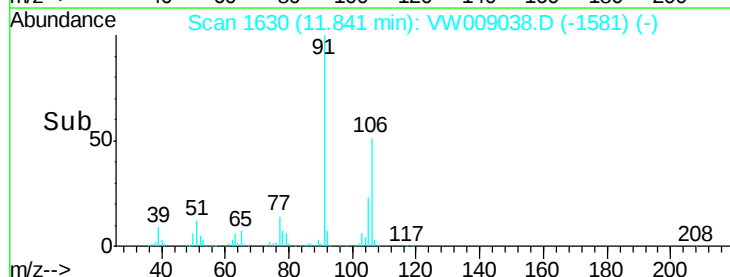
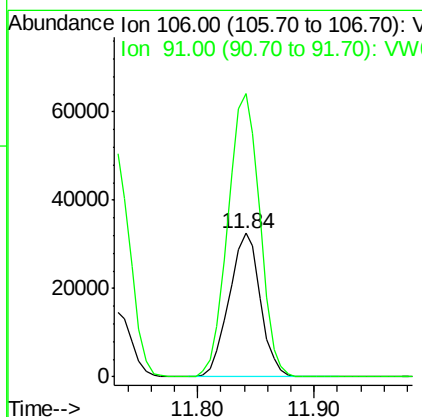
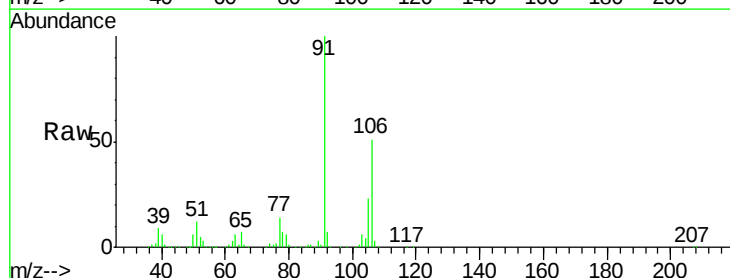
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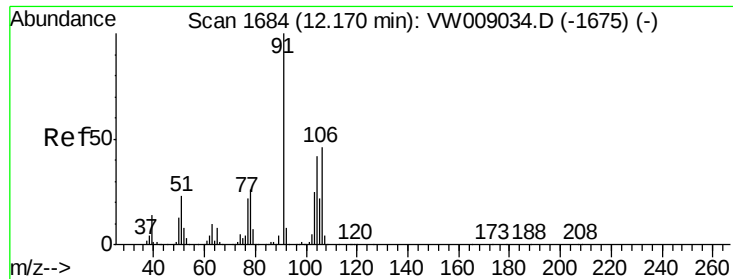
MMDadoda
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#68
m/p-Xylenes
Concen: 10.753 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion: 106 Resp: 60661
Ion Ratio Lower Upper
106 100
91 201.3 163.2 244.8





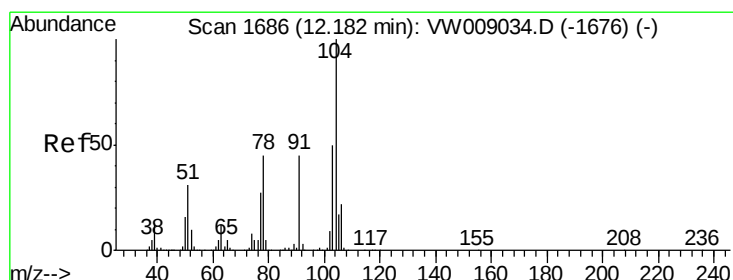
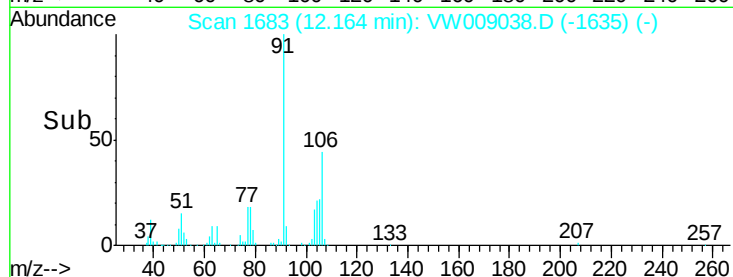
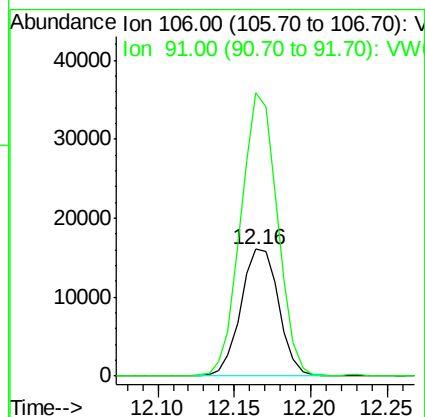
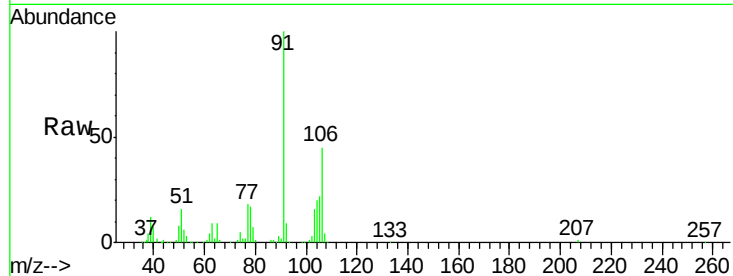
#69
o-Xylene
Concen: 5.283 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 27787
Ion Ratio Lower Upper
106 100
91 215.1 108.6 325.6

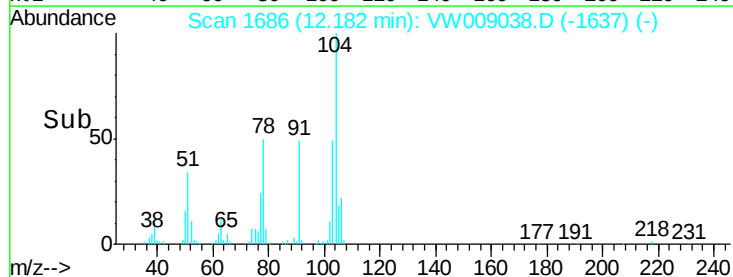
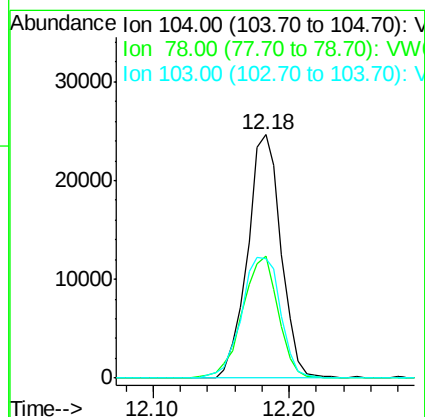
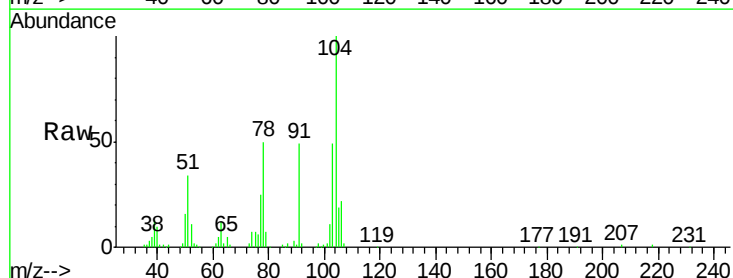
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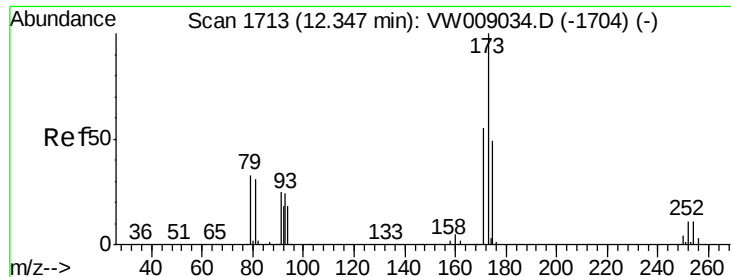
MMDadoda
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#70
Styrene
Concen: 4.971 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion:104 Resp: 42560
Ion Ratio Lower Upper
104 100
78 53.6 42.1 63.1
103 57.9 43.9 65.9





#71

Bromoform

Concen: 4.982 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

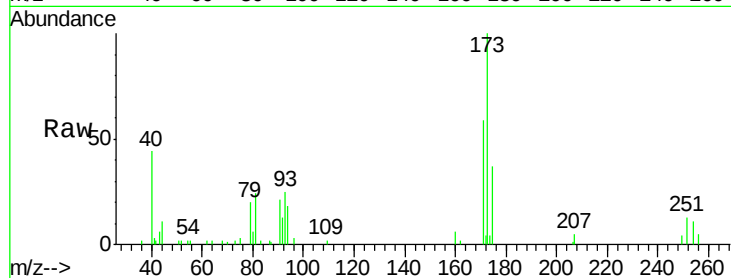
ClientSampleId :

VSTDIC005

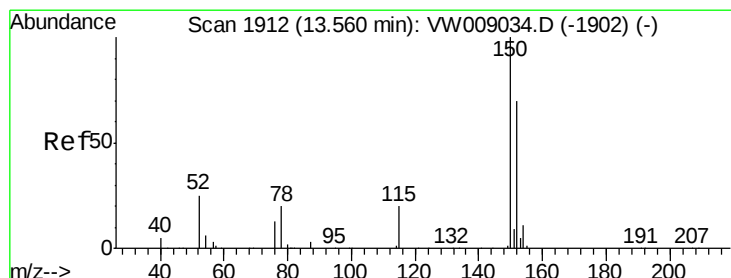
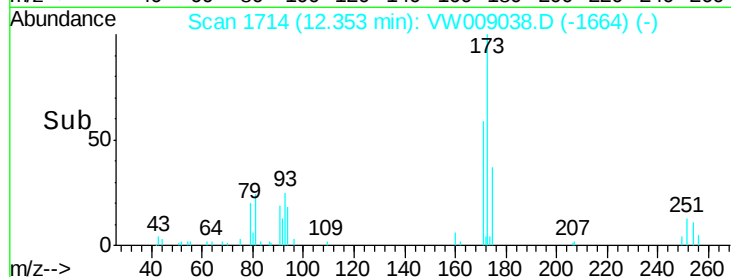
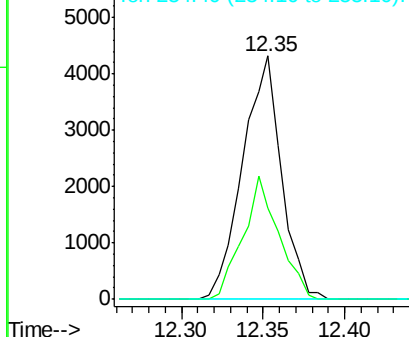
Tot Ion:	173	Resp:	7155
Ion Ratio	Lower	Upper	
173	100		
175	46.8	24.6	74.0
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

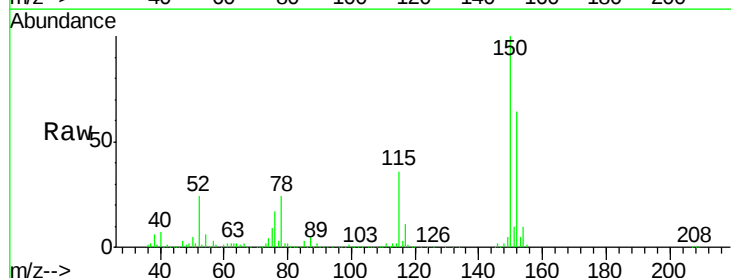
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

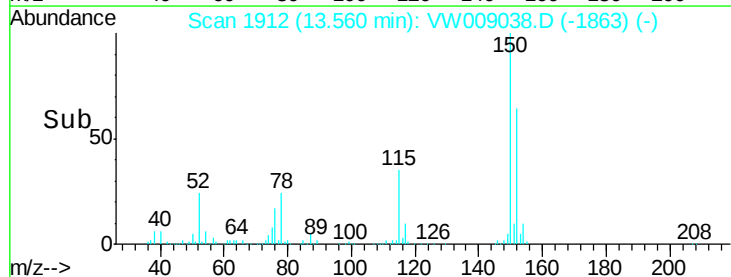
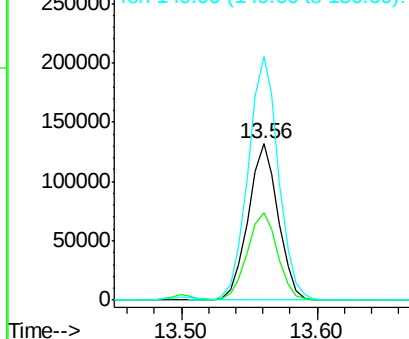
Lab File: VW009038.D

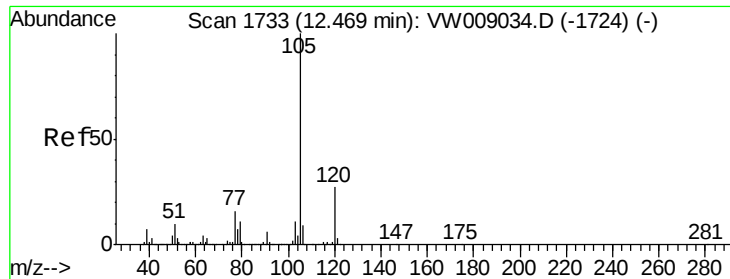
Acq: 07 Mar 2019 14:20

Tgt Ion:	152	Resp:	202899
Ion Ratio	Lower	Upper	
152	100		
115	56.9	28.9	86.7
150	158.2	0.0	349.2



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





#73

Isopropylbenzene

Concen: 5.214 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 105 Resp: 75170

Ion Ratio Lower Upper

105 100

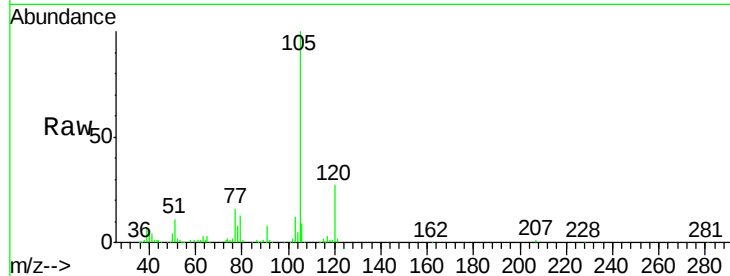
120 27.0 13.2 39.6

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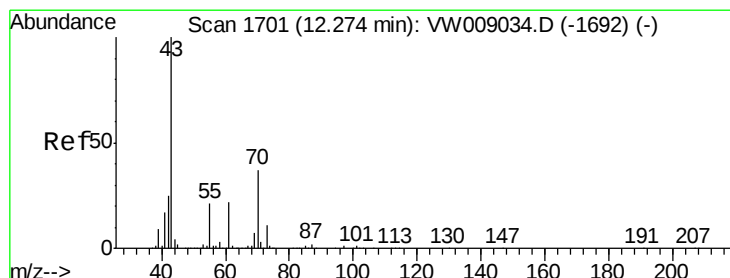
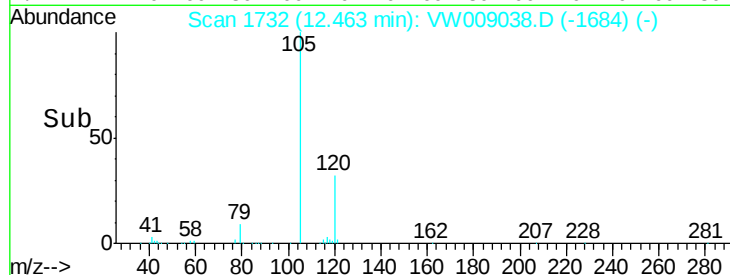
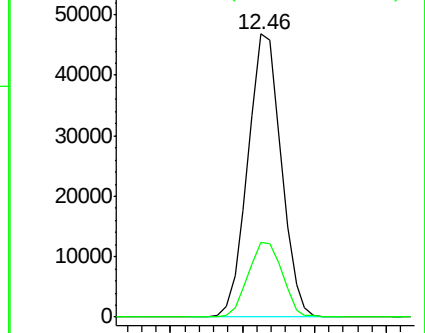
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.652 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Tgt Ion: 43 Resp: 16035

Ion Ratio Lower Upper

43 100

70 41.7 30.8 46.2

55 26.2 17.8 26.8

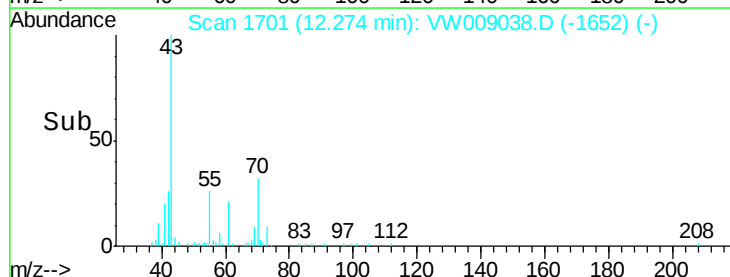
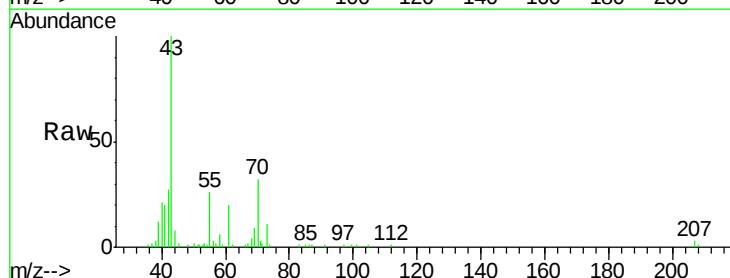
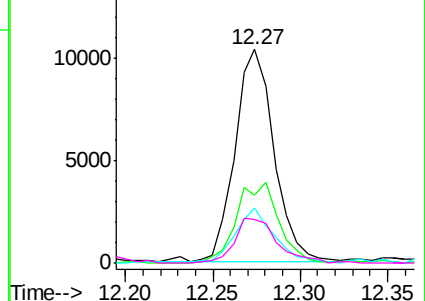
61 23.3 17.4 26.2

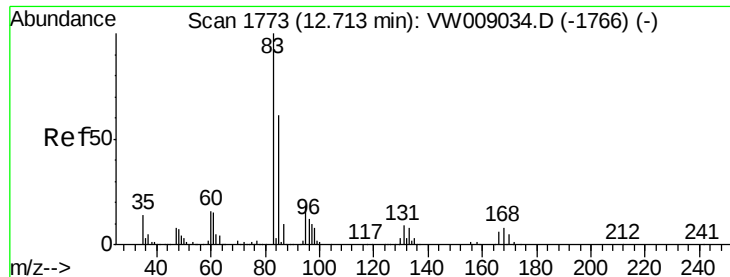
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 5.248 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

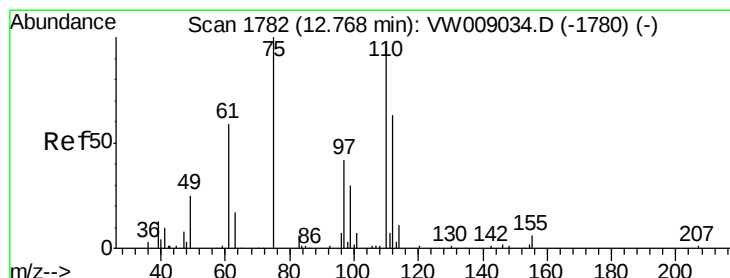
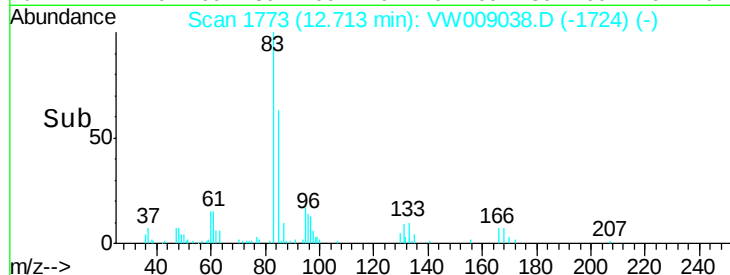
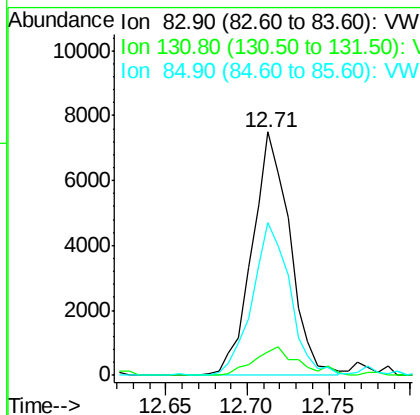
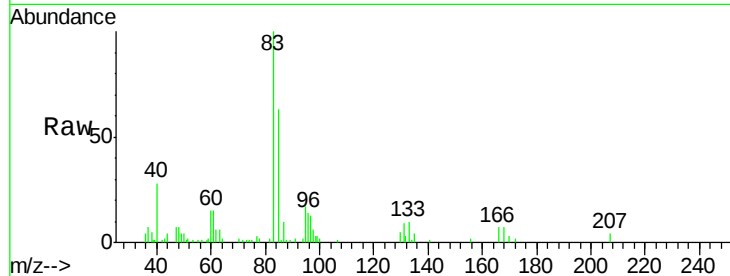
ClientSampled :

VSTDIC005

Tot Ion:	83	Resp:	12035
Ion Ratio	Lower	Upper	
83	100		
131	13.6	5.5	16.7
85	63.0	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 3.091 ug/l m

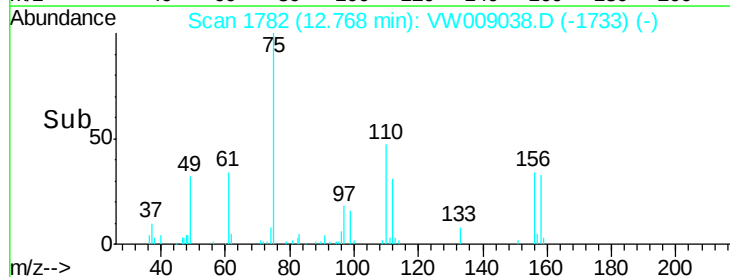
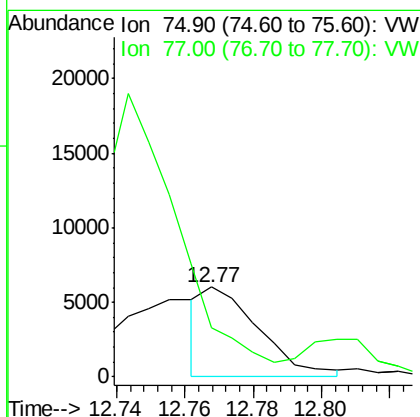
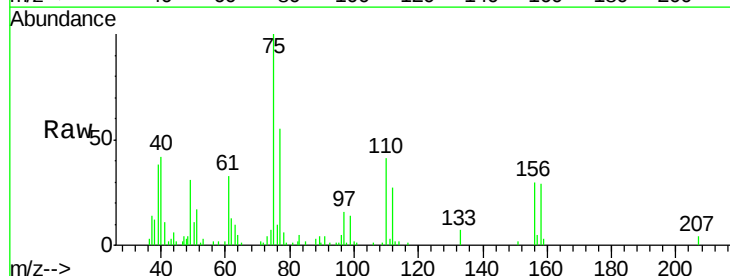
RT: 12.77 min Scan# 1782

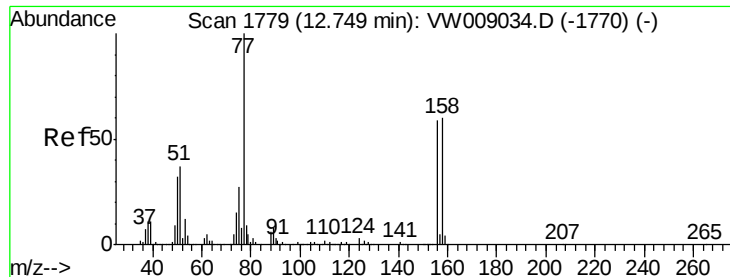
Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Tgt Ion:	75	Resp:	6983
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





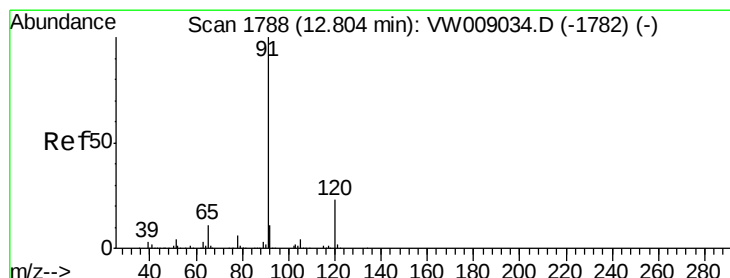
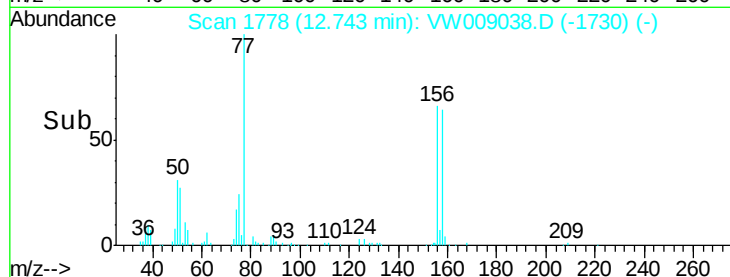
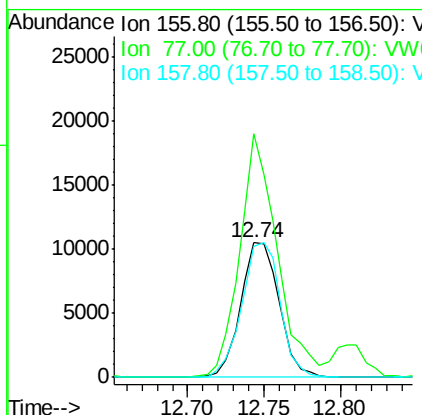
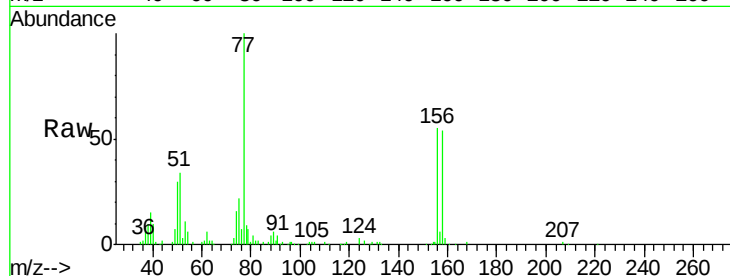
#77
Bromobenzene
Concen: 5.536 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.6	93.0	279.2
158	100.4	50.0	149.8

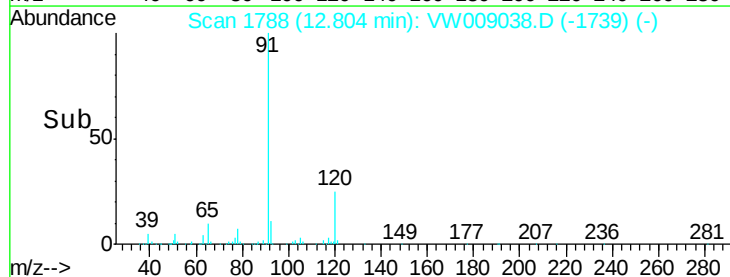
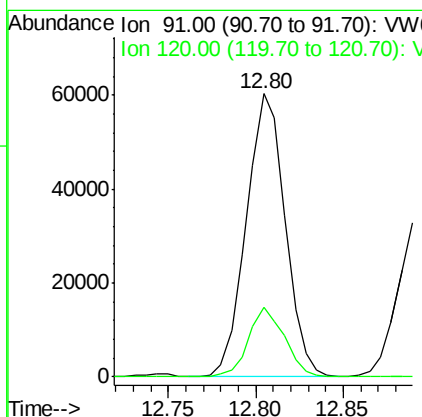
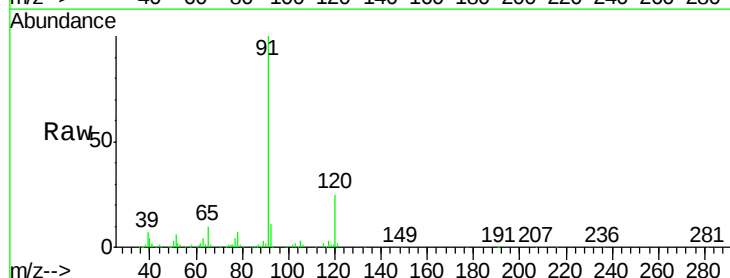
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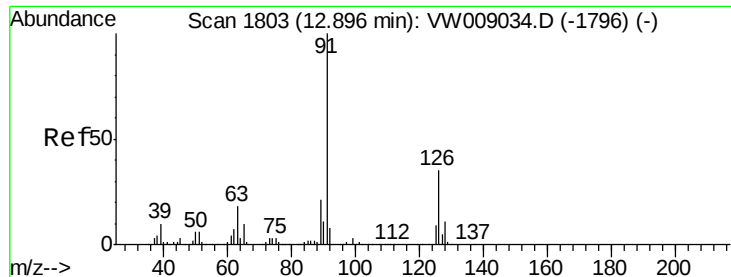
MMDadoda
3/8/2019 12:06:40 PM



#78
n-propylbenzene
Concen: 5.245 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.4	34.2





#79

2-Chlorotoluene

Concen: 5.403 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 53738

Ion Ratio Lower Upper

91 100

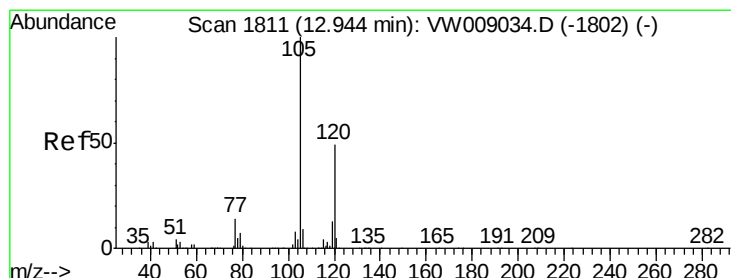
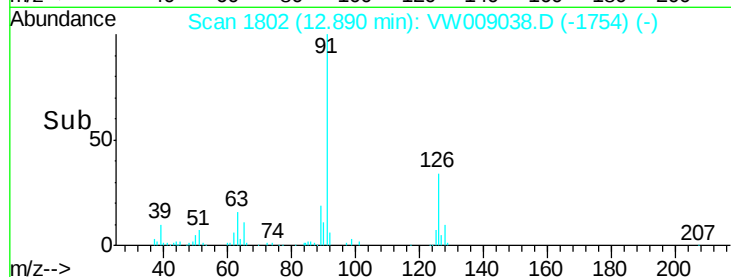
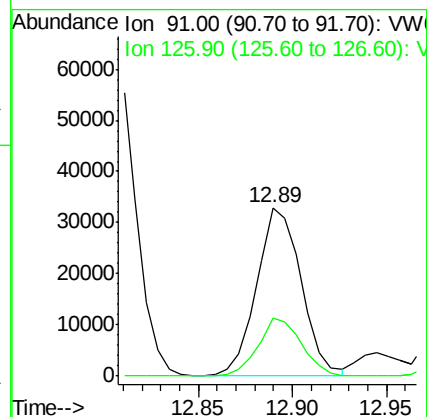
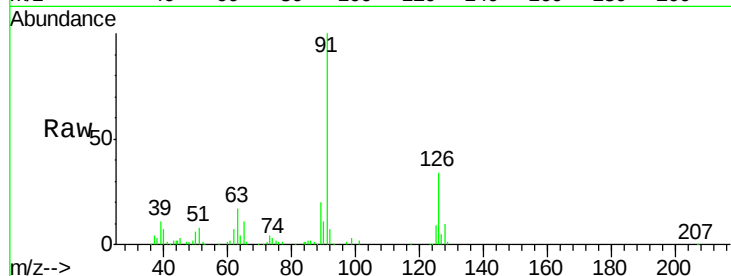
126 34.1 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.171 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009038.D

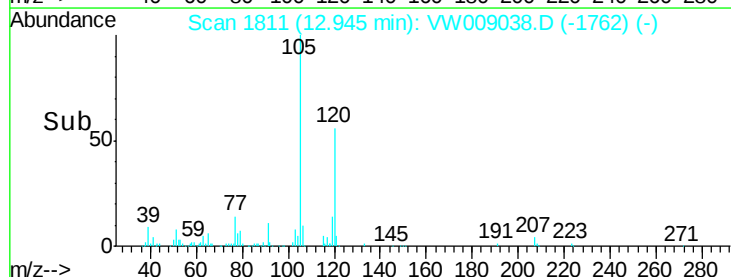
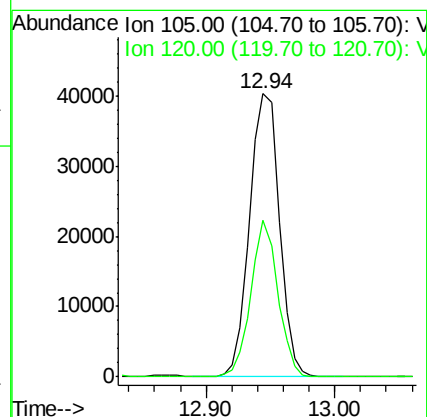
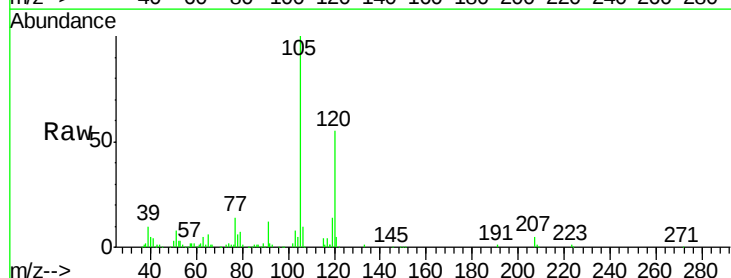
Acq: 07 Mar 2019 14:20

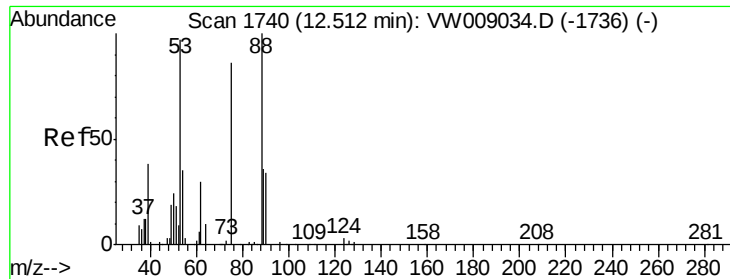
Tgt Ion: 105 Resp: 64260

Ion Ratio Lower Upper

105 100

120 50.1 24.4 73.2





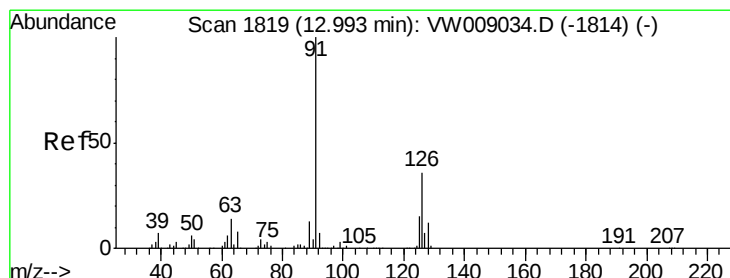
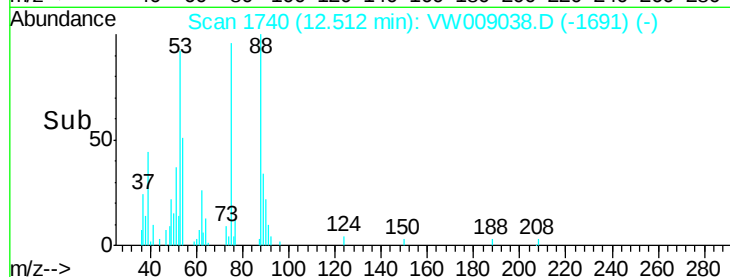
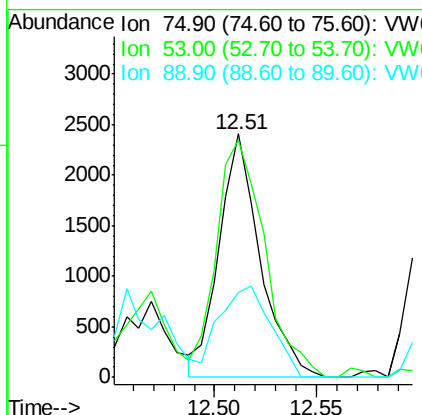
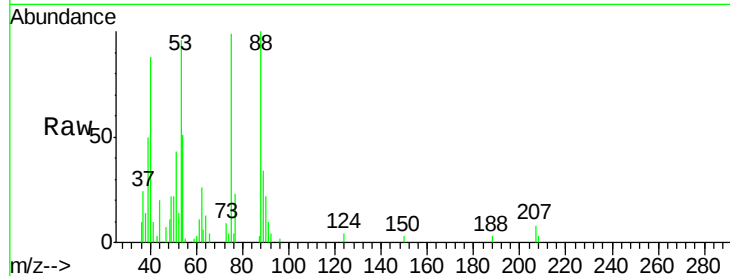
#81
trans-1,4-Dichloro-2-butene
Concen: 4.726 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.8	90.5	135.7
89	46.5	37.5	56.3

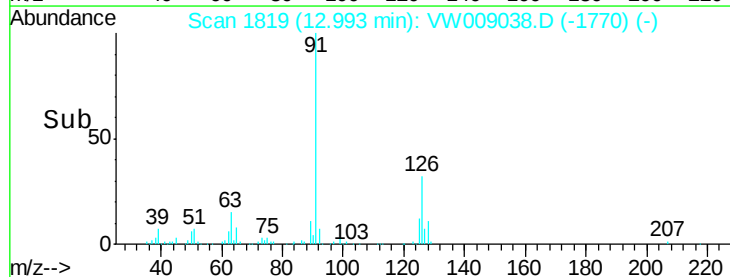
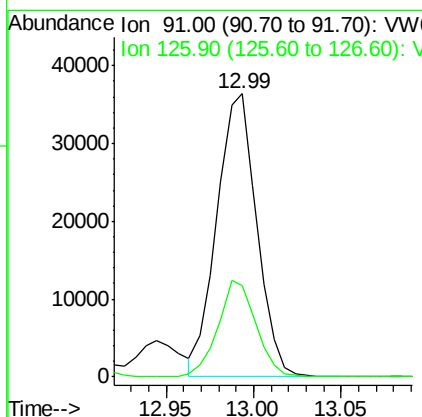
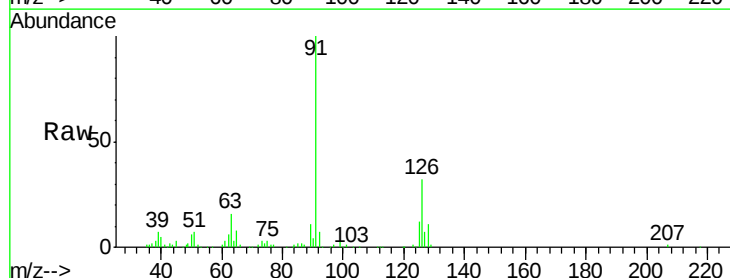
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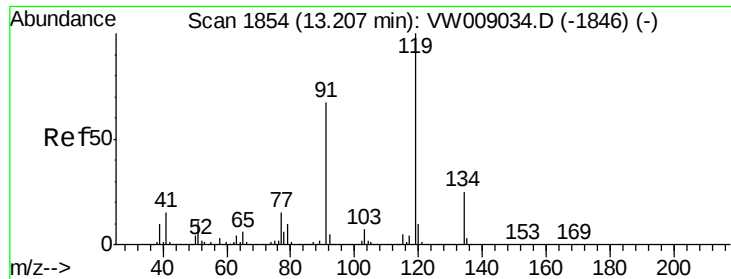
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#82
4-Chlorotoluene
Concen: 5.463 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.6	49.8





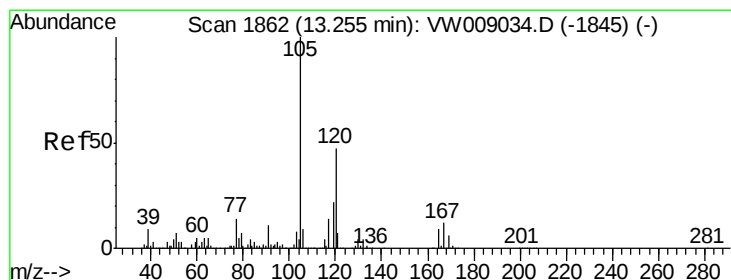
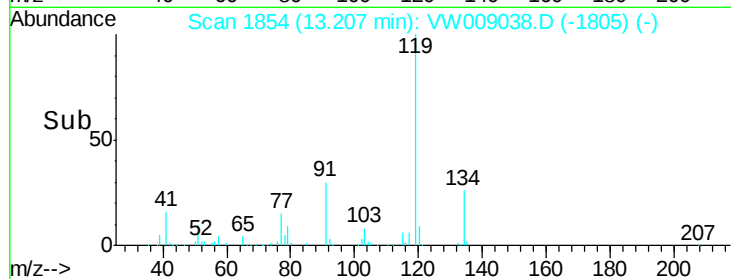
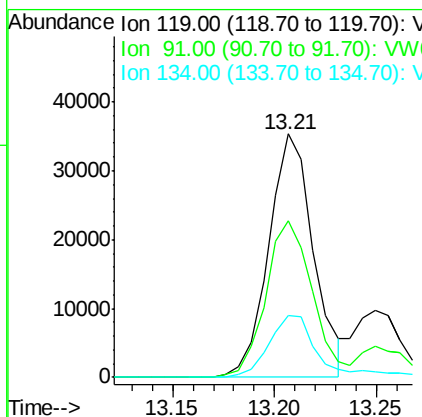
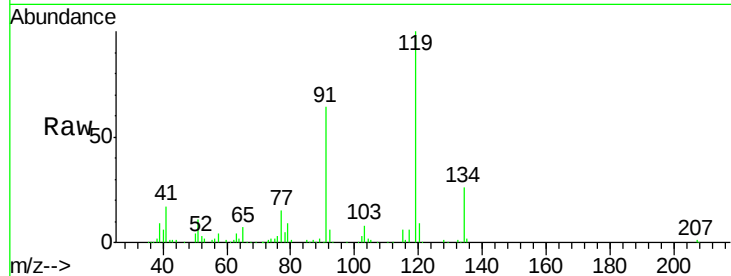
#83
tert-Butylbenzene
Concen: 5.177 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.2	102.5
134	28.2	13.9	41.6

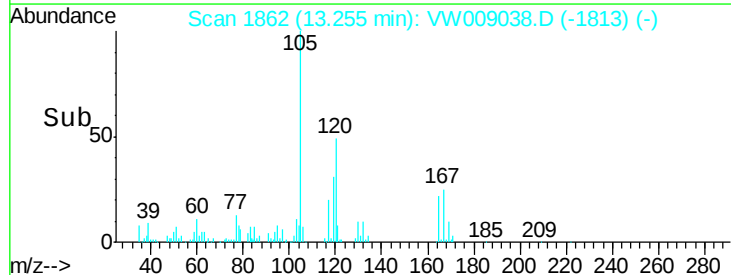
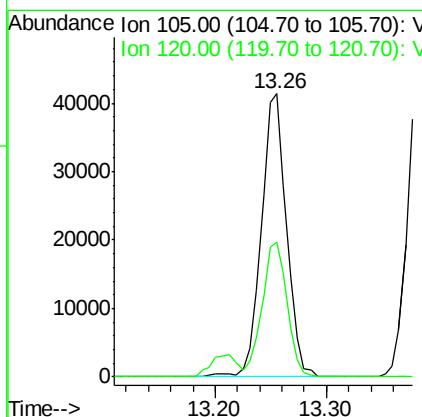
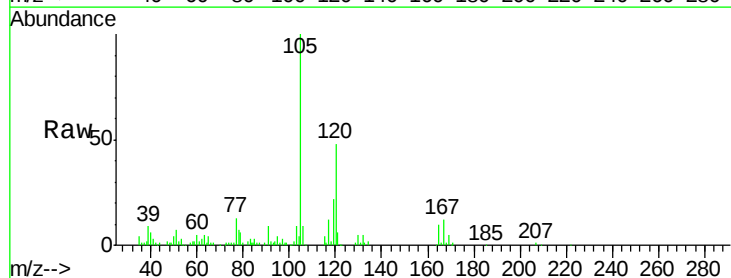
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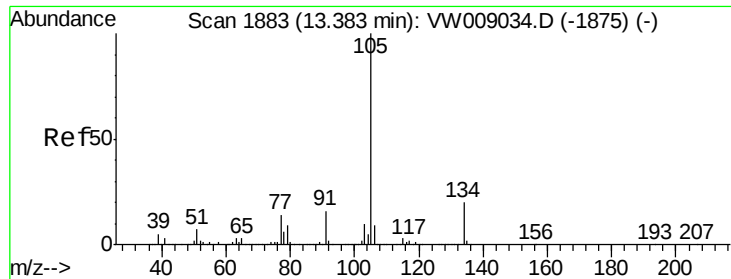
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#84
1,2,4-Trimethylbenzene
Concen: 5.205 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	22.8	68.4





#85

sec-Butylbenzene

Concen: 5.236 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 80983

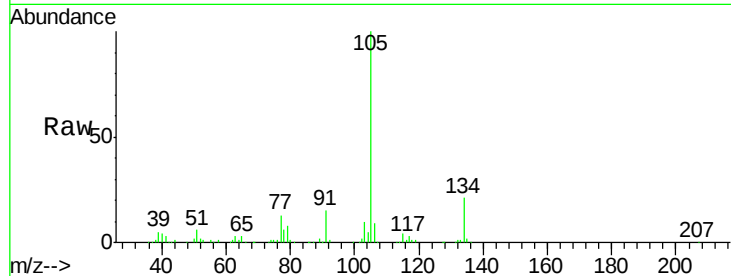
Ion Ratio Lower Upper

105 100

134 20.4 10.0 30.0

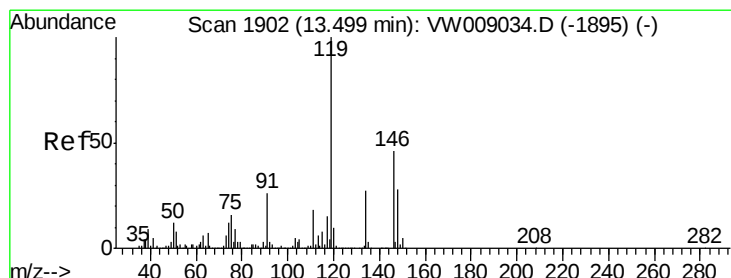
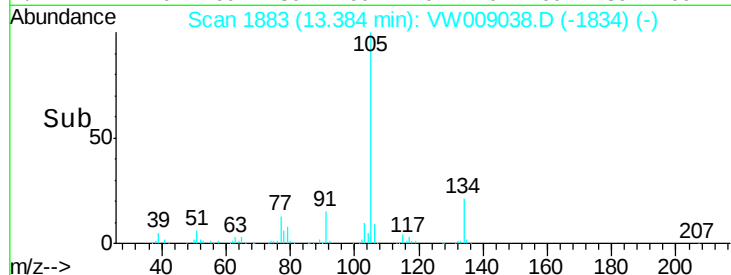
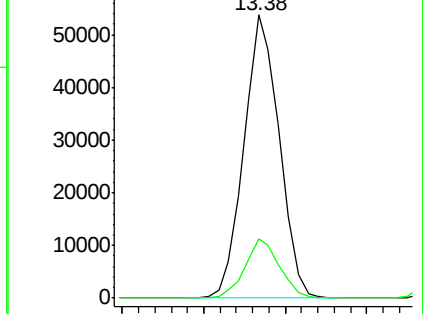
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.121 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

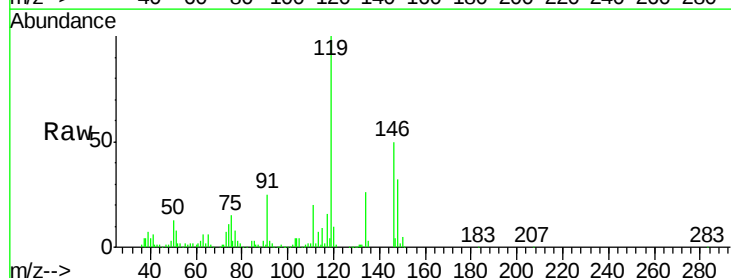
Tgt Ion:119 Resp: 70988

Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.9

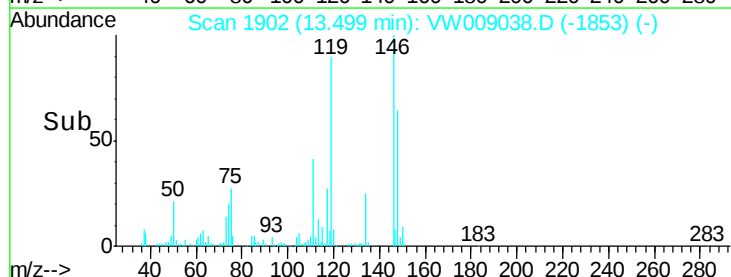
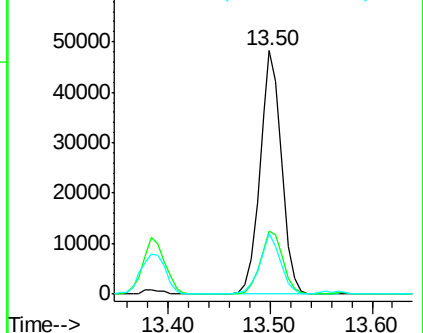
91 24.1 12.3 36.9

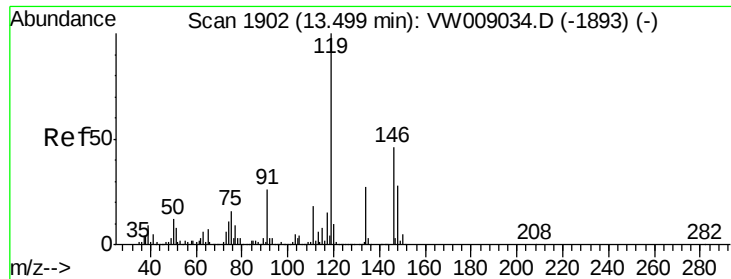


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.592 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

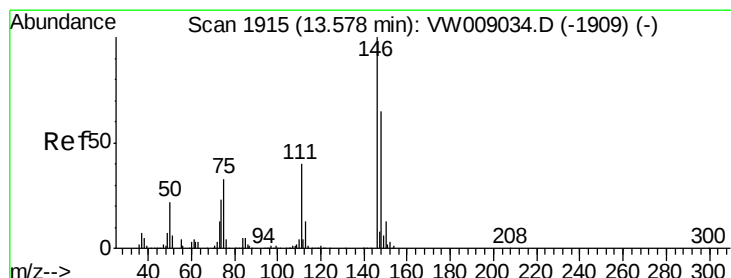
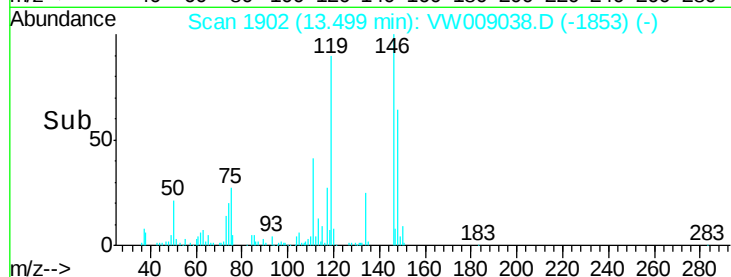
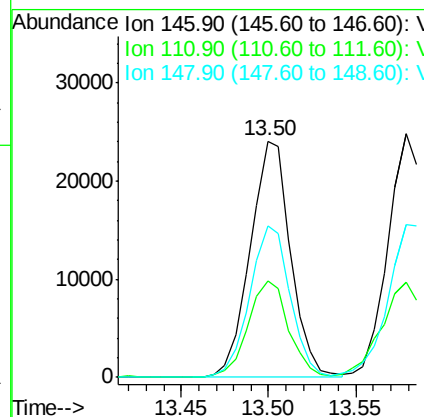
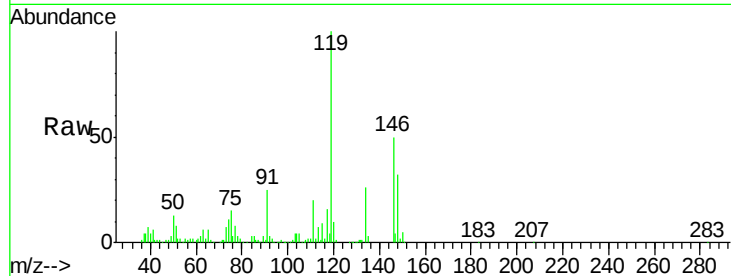
Instrument :
MSVOA_W

ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.8	59.4
148	64.3	31.6	94.8

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#88

1,4-Dichlorobenzene

Concen: 5.715 ug/l

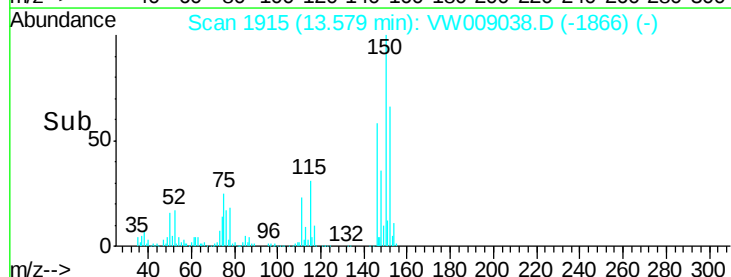
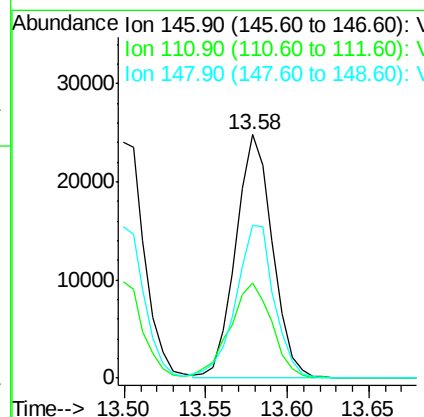
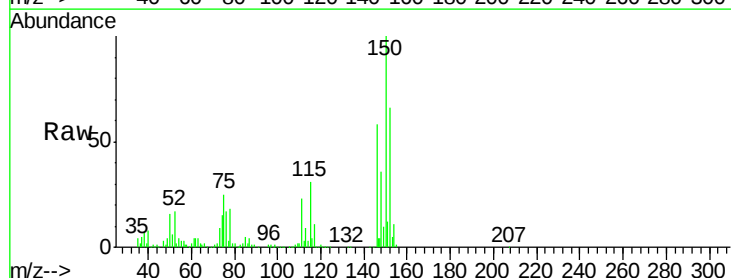
RT: 13.58 min Scan# 1915

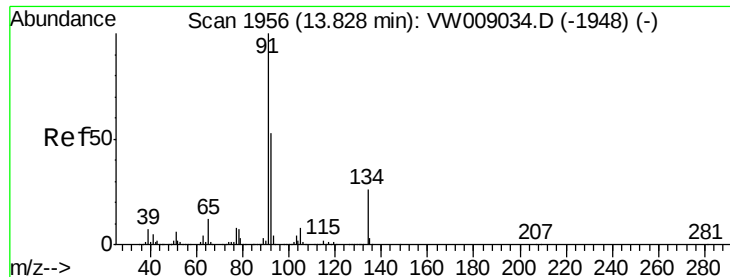
Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	19.7	59.0
148	65.8	32.2	96.6





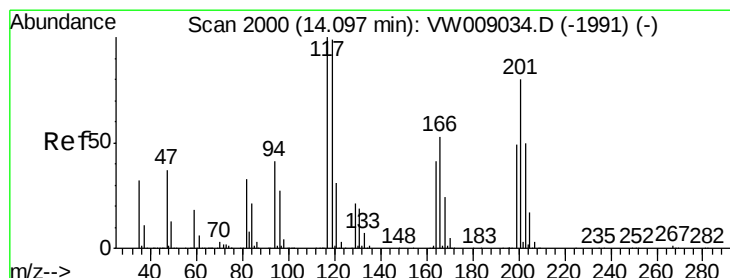
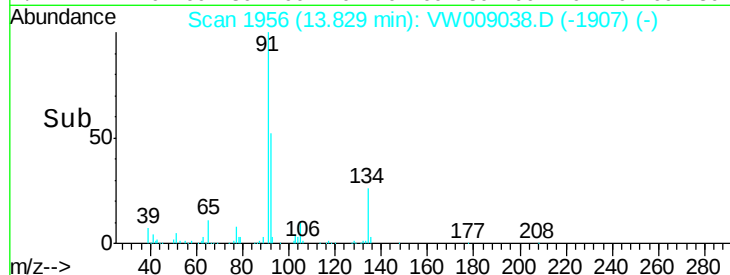
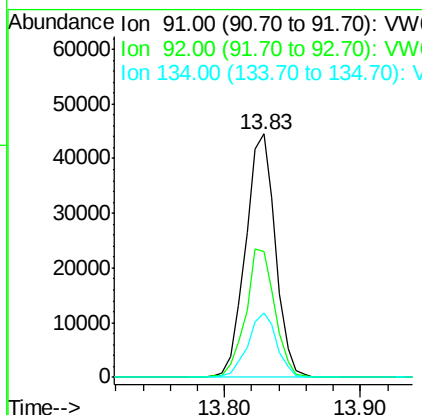
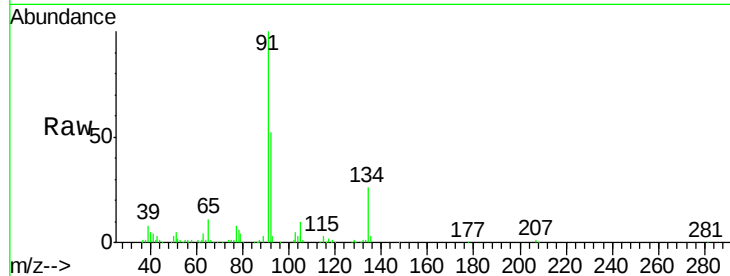
#89
n-Butylbenzene
Concen: 5.157 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.8	80.3
134	25.9	12.9	38.7

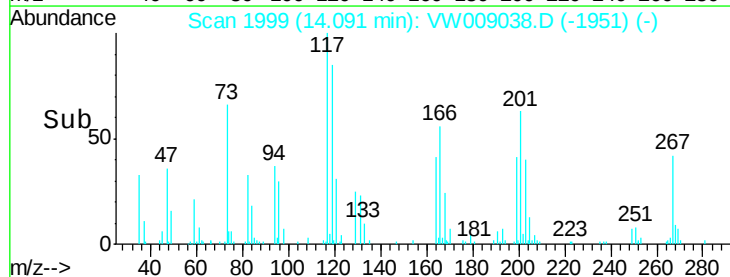
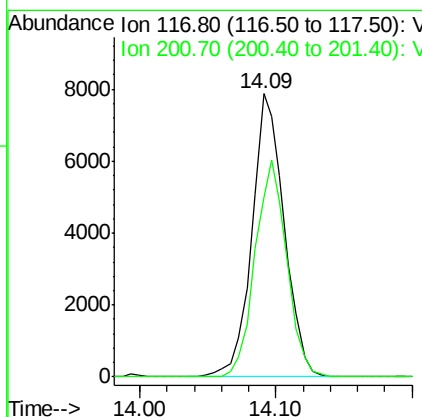
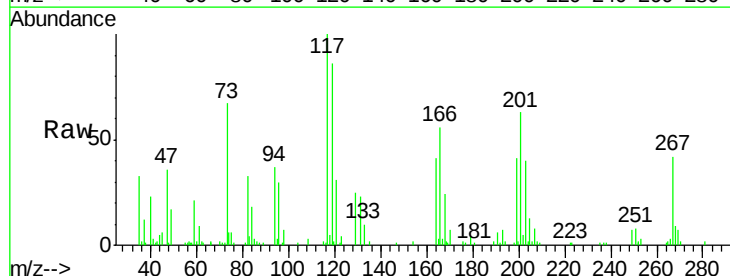
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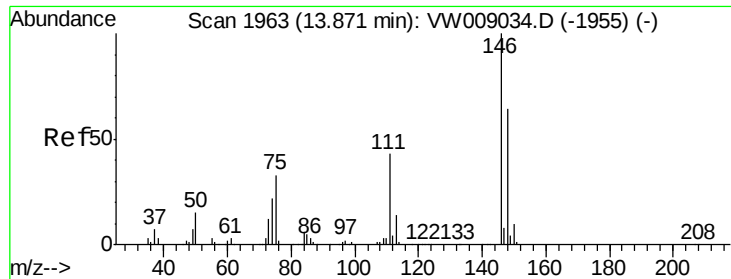
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#90
Hexachloroethane
Concen: 5.473 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW009038.D
Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.1	39.1	117.5





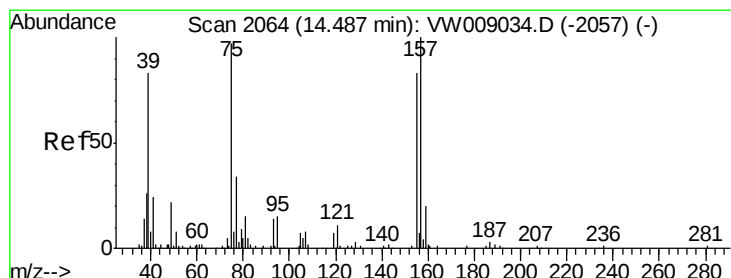
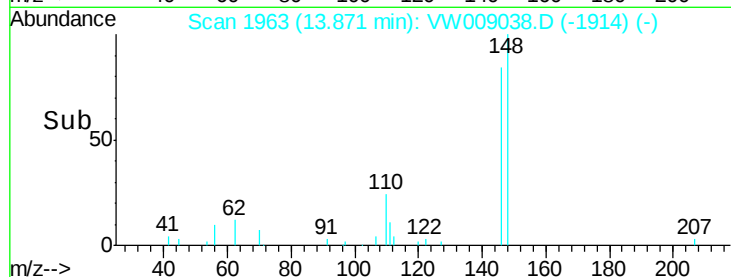
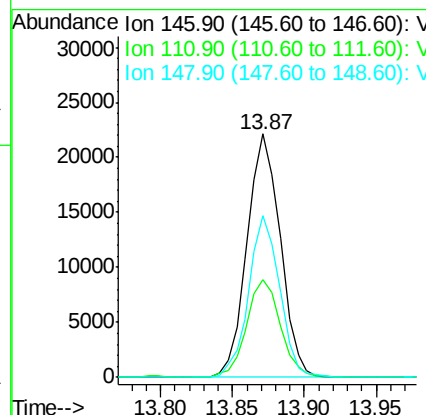
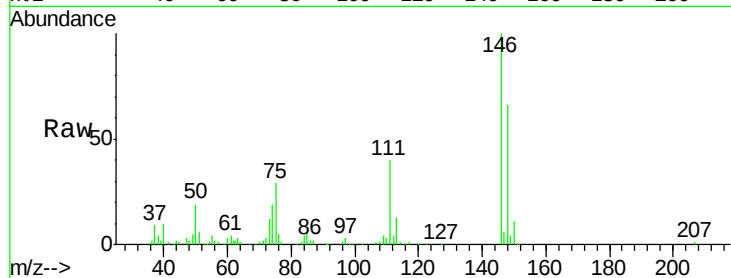
#91
 1,2-Dichlorobenzene
 Concen: 5.838 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.1	63.1
148	61.8	32.3	96.9

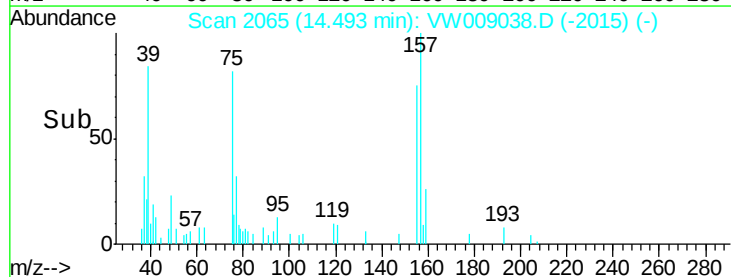
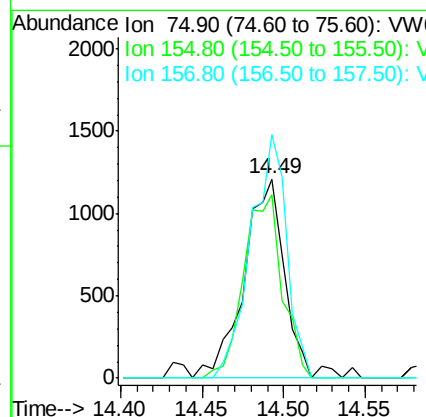
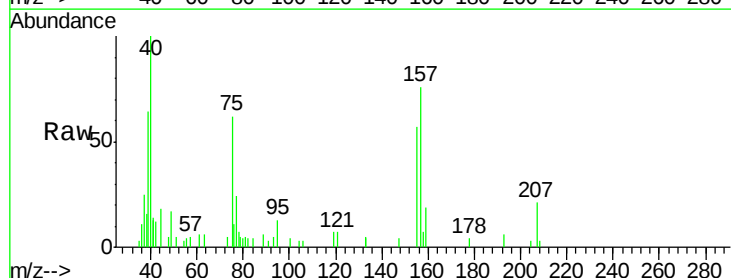
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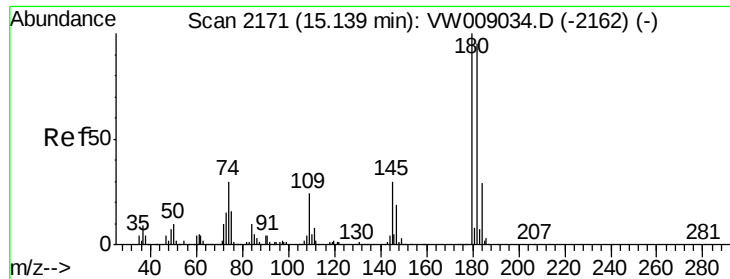
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.975 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.5	40.8	122.4
157	106.6	52.4	157.3





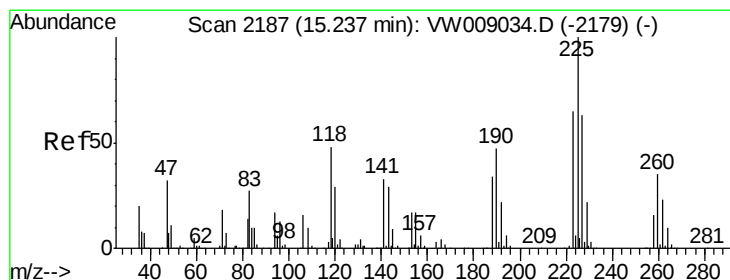
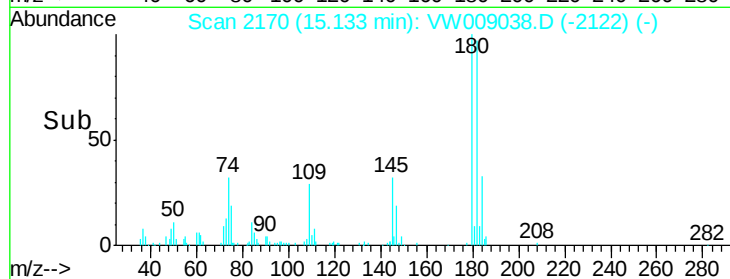
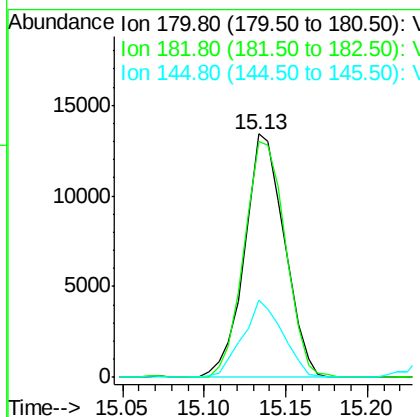
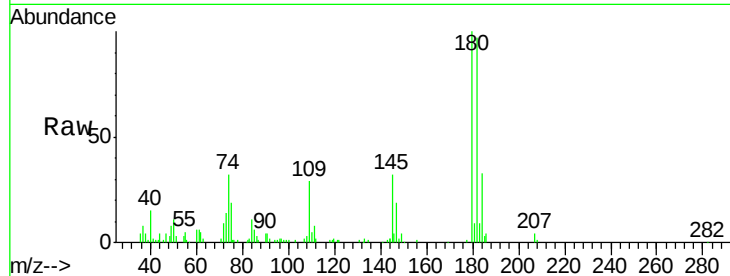
#93
 1,2,4-Trichlorobenzene
 Concen: 5.535 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	22919		
182	99.7	48.1	144.3	
145	31.9	15.4	46.1	

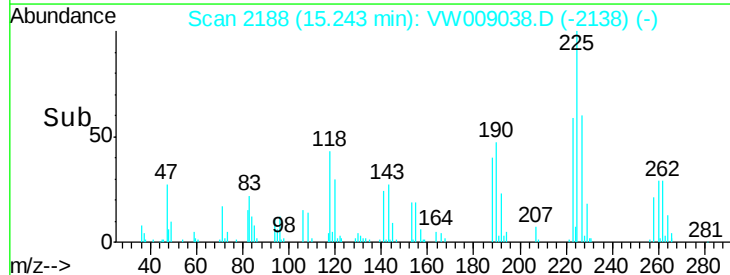
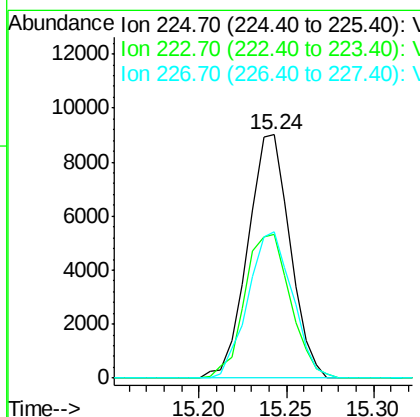
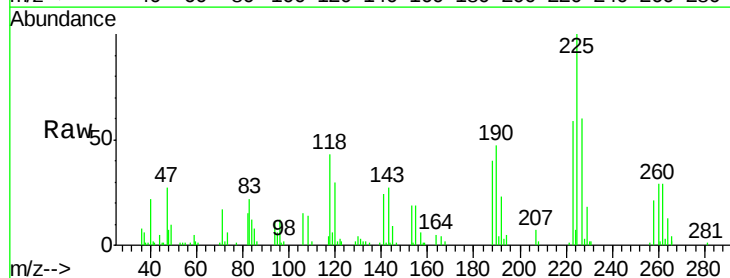
Manual Integrations
 APPROVED

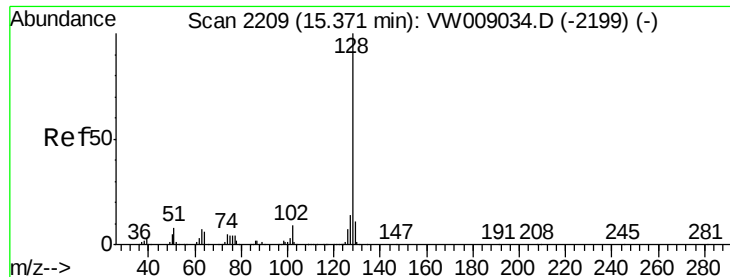
MMDadoda
 3/8/2019 12:06:40 PM



#94
 Hexachlorobutadiene
 Concen: 5.854 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009038.D
 Acq: 07 Mar 2019 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	15152		
223	64.0	31.6	94.8	
227	63.0	32.0	96.2	





#95

Naphthalene

Concen: 4.728 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Instrument :

MSVOA_W

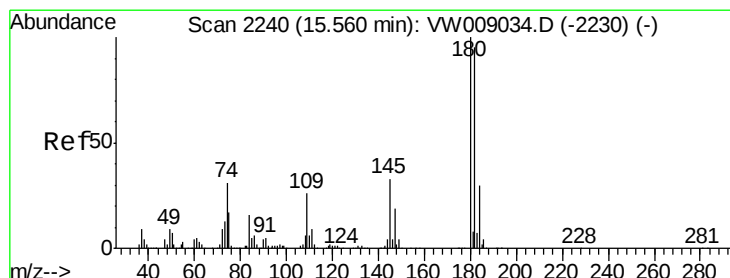
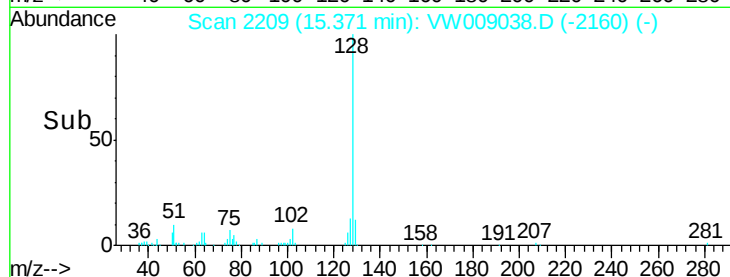
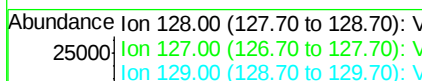
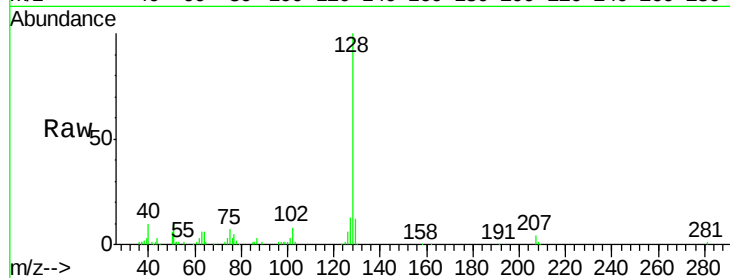
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	32439
Ion Ratio	Lower	Upper	
128	100		
127	13.2	11.0	16.6
129	11.6	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:06:40 PM



#96

1,2,3-Trichlorobenzene

Concen: 5.706 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009038.D

Acq: 07 Mar 2019 14:20

Tgt Ion:	180	Resp:	20748
Ion Ratio	Lower	Upper	
180	100		
182	91.5	48.1	144.3
145	31.1	15.8	47.3

