

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
 Data File : VW008241.D
 Acq On : 14 Jan 2019 12:38
 Operator : SY/VA
 Sample : VW0114SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

Manual Integrations
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Quant Time: Jan 14 21:28:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	107547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	176219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	160501	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82131	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	48326	39.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.96%	
35) Dibromofluoromethane	7.88	113	48814	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
50) Toluene-d8	10.32	98	195276	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
62) 4-Bromofluorobenzene	12.62	95	67761	43.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.64%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	14076	16.037	ug/l	100
3) Chloromethane	2.21	50	19702	17.302	ug/l	94
4) Vinyl Chloride	2.36	62	26362	17.738	ug/l	96
5) Bromomethane	2.78	94	22261	19.995	ug/l	93
6) Chloroethane	2.92	64	18717	16.736	ug/l	93
7) Trichlorofluoromethane	3.26	101	22529	18.646	ug/l	98
8) Diethyl Ether	3.68	74	12904	18.892	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	23536	19.620	ug/l	98
10) Methyl Iodide	4.26	142	35421	20.260	ug/l	99
11) Tert butyl alcohol	5.21	59	6838m	73.099	ug/l	
12) 1,1-Dichloroethene	4.03	96	23699	20.122	ug/l	92
13) Acrolein	3.90	56	6286	77.079	ug/l #	82
14) Allyl chloride	4.66	41	39224	18.343	ug/l	97
15) Acrylonitrile	5.37	53	24599	94.594	ug/l	98
16) Acetone	4.14	43	25869	106.963	ug/l	91
17) Carbon Disulfide	4.37	76	68673	18.665	ug/l	98
18) Methyl Acetate	4.67	43	14125	18.489	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	34530	18.034	ug/l	96
20) Methylene Chloride	4.91	84	26287	19.119	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	24923	19.473	ug/l	94
22) Diisopropyl ether	6.32	45	74500	18.268	ug/l	98
23) Vinyl Acetate	6.26	43	195579	91.313	ug/l	98
24) 1,1-Dichloroethane	6.21	63	44503	18.729	ug/l	96
25) 2-Butanone	7.18	43	31727	94.339	ug/l	99
26) 2,2-Dichloropropane	7.16	77	31189	19.372	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	27080	19.392	ug/l	95
28) Bromochloromethane	7.51	49	17426	18.541	ug/l	93
29) Tetrahydrofuran	7.54	42	20704	92.161	ug/l	98
30) Chloroform	7.68	83	44569	19.705	ug/l	97
31) Cyclohexane	7.95	56	44172	17.365	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	38534	19.580	ug/l	97
36) 1,1-Dichloropropene	8.09	75	36700	20.218	ug/l	98
37) Ethyl Acetate	7.25	43	13728	18.877	ug/l #	93
38) Carbon Tetrachloride	8.07	117	35848	21.576	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	44664	19.405	ug/l	91
40) Benzene	8.32	78	101444	20.604	ug/l	100
41) Methacrylonitrile	7.48	41	8698	18.934	ug/l	96
42) 1,2-Dichloroethane	8.40	62	27554	19.898	ug/l	98
43) Isopropyl Acetate	8.43	43	27515	18.923	ug/l	99
44) Trichloroethene	9.09	130	27336	21.689	ug/l	98
45) 1,2-Dichloropropane	9.37	63	25369	20.781	ug/l	97
46) Dibromomethane	9.46	93	12825	21.391	ug/l	96
47) Bromodichloromethane	9.65	83	32607	21.419	ug/l	97
48) Methyl methacrylate	9.44	41	12575	18.328	ug/l	90
49) 1,4-Dioxane	9.48	88	3504	363.421	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	67089	95.320	ug/l	98
52) Toluene	10.39	92	66427	21.126	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	32086	20.262	ug/l	91
54) cis-1,3-Dichloropropene	10.07	75	36843	19.621	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	18037	21.428	ug/l	98
56) Ethyl methacrylate	10.65	69	20584	19.746	ug/l	95
57) 1,3-Dichloropropane	10.93	76	30891	20.066	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	53655	99.643	ug/l	98
59) 2-Hexanone	10.97	43	47450	99.693	ug/l	99
60) Dibromochloromethane	11.13	129	20711	22.406	ug/l	100
61) 1,2-Dibromoethane	11.23	107	16612	20.799	ug/l	99
64) Tetrachloroethene	10.87	164	23056	22.073	ug/l	90
65) Chlorobenzene	11.66	112	71166	20.929	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	23494	21.243	ug/l	95
67) Ethyl Benzene	11.73	91	125239	20.129	ug/l	97
68) m/p-Xylenes	11.84	106	97372	41.003	ug/l	98
69) o-Xylene	12.17	106	44540	20.254	ug/l	99
70) Styrene	12.18	104	72485	21.044	ug/l	97
71) Bromoform	12.35	173	11286	22.801	ug/l #	95
73) Isopropylbenzene	12.47	105	125687	19.492	ug/l	99
74) N-amyl acetate	12.27	43	25630	17.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	19930	19.310	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	14328m	19.137	ug/l	
77) Bromobenzene	12.75	156	28553	20.957	ug/l	88
78) n-propylbenzene	12.81	91	153072	19.375	ug/l	97
79) 2-Chlorotoluene	12.90	91	84742	19.225	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	104697	19.759	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	6103	18.982	ug/l	97
82) 4-Chlorotoluene	12.99	91	89551	19.290	ug/l	97
83) tert-Butylbenzene	13.21	119	92151	19.658	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	106999	19.579	ug/l	99
85) sec-Butylbenzene	13.39	105	131717	19.182	ug/l	98
86) p-Isopropyltoluene	13.50	119	117173	19.760	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	58332	21.106	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	57795	20.843	ug/l	99
89) n-Butylbenzene	13.83	91	112735	19.411	ug/l	99
90) Hexachloroethane	14.10	117	21454	21.420	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	50629	20.844	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3512	21.144	ug/l	98

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MSVOA_W
ClientSampleId :
VW0114SBSD01

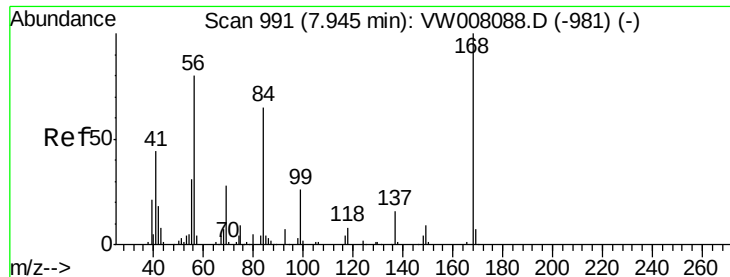
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	34159	21.182	ug/l	97
94) Hexachlorobutadiene	15.24	225	19989	23.158	ug/l	98
95) Naphthalene	15.37	128	57742	19.176	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	29953	21.788	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion:168 Resp: 107547

Ion Ratio Lower Upper

168 100

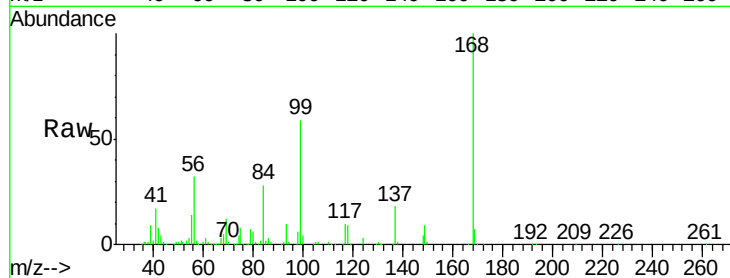
99 58.6 52.6 78.8

Manual Integrations

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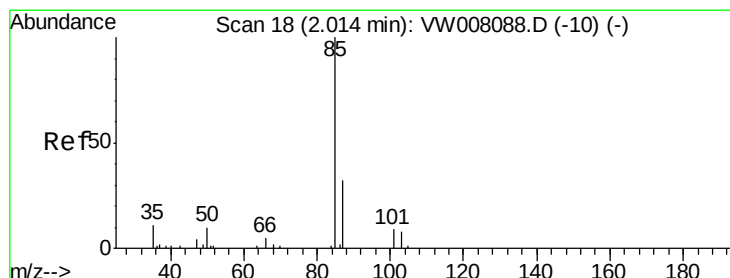
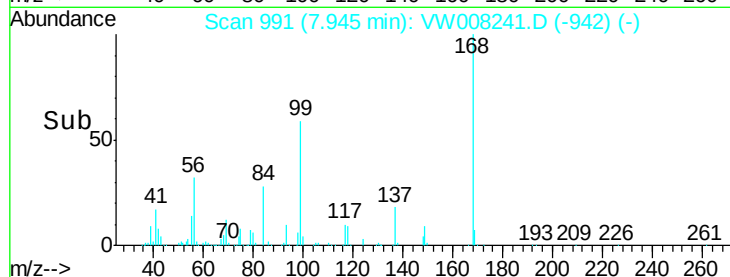
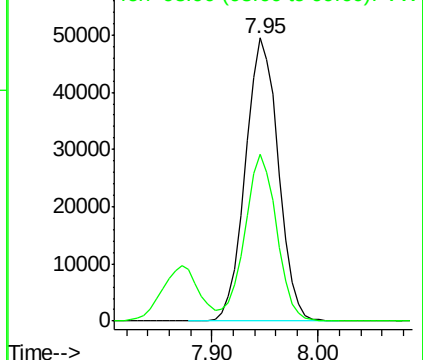
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 16.037 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008241.D

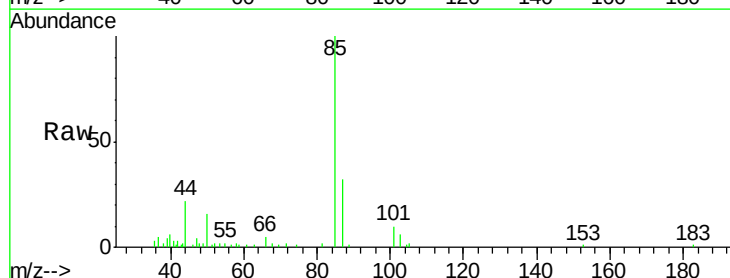
Acq: 14 Jan 2019 12:38

Tgt Ion: 85 Resp: 14076

Ion Ratio Lower Upper

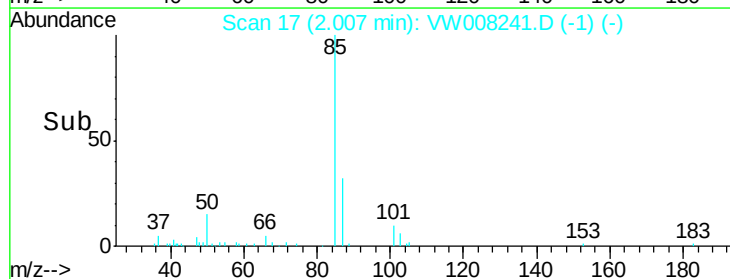
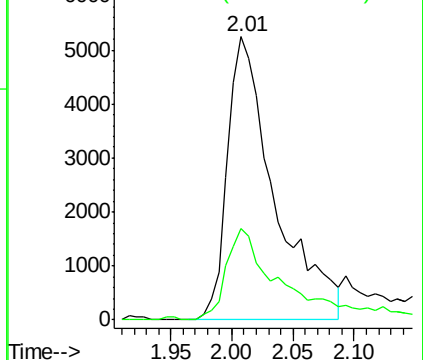
85 100

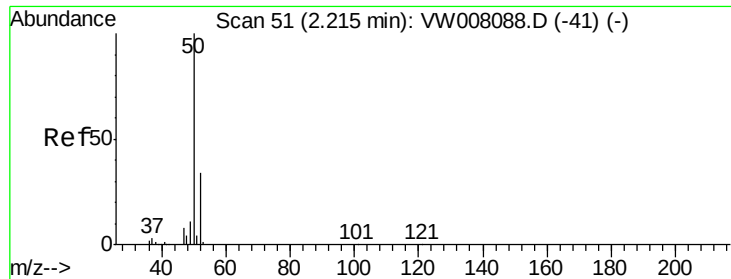
87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 17.302 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion: 50 Resp: 19702

Ion Ratio Lower Upper

50 100

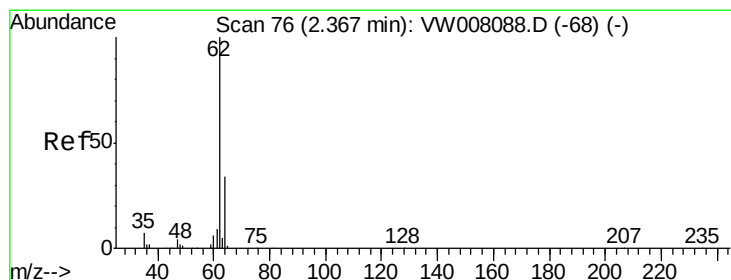
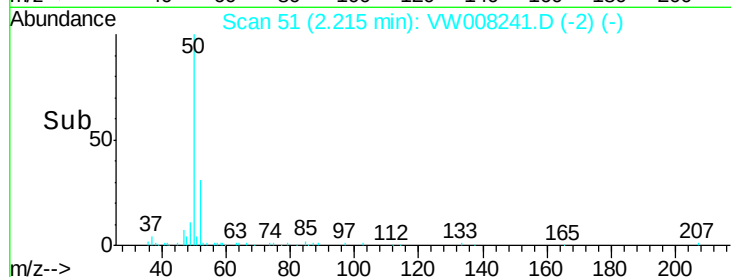
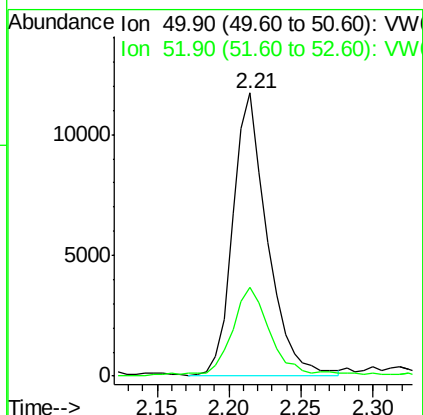
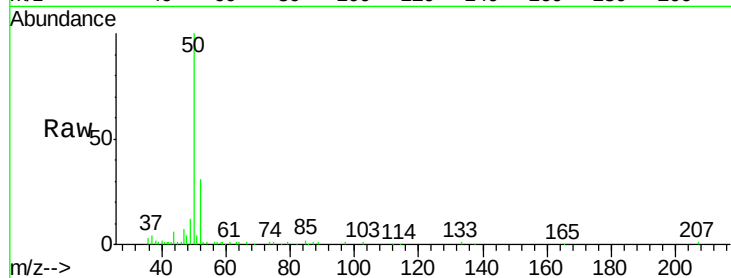
52 30.3 26.8 40.2

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#4

Vinyl Chloride

Concen: 17.738 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008241.D

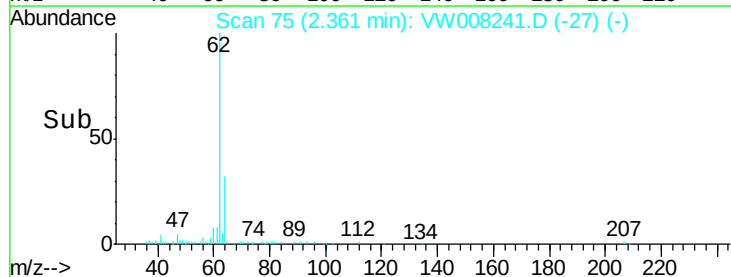
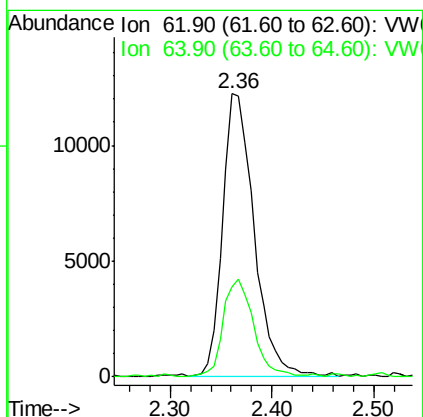
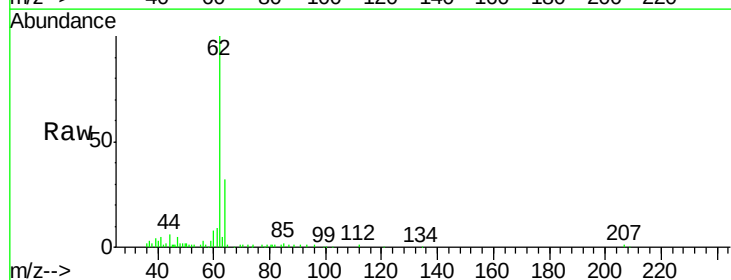
Acq: 14 Jan 2019 12:38

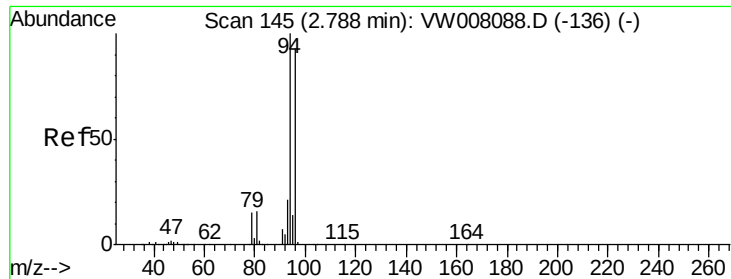
Tgt Ion: 62 Resp: 26362

Ion Ratio Lower Upper

62 100

64 31.7 27.0 40.6





#5

Bromomethane

Concen: 19.995 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion: 94 Resp: 22261

Ion Ratio Lower Upper

94 100

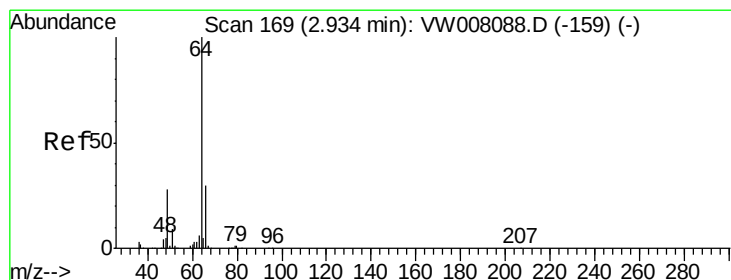
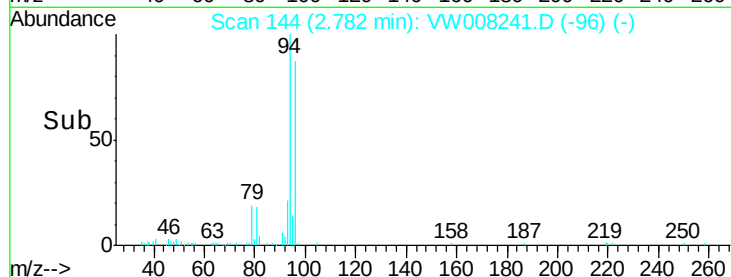
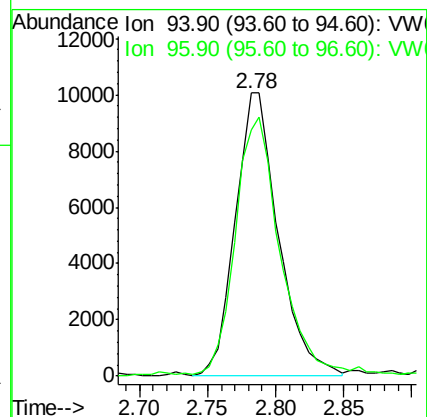
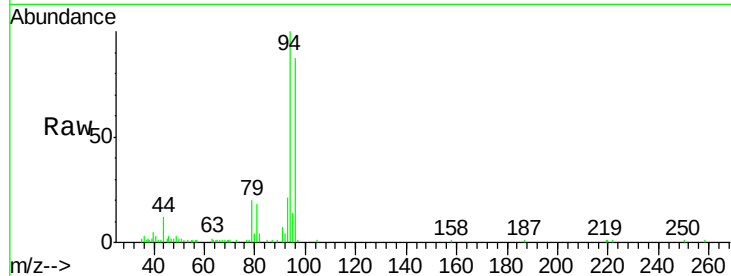
96 86.2 74.1 111.1

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#6

Chloroethane

Concen: 16.736 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008241.D

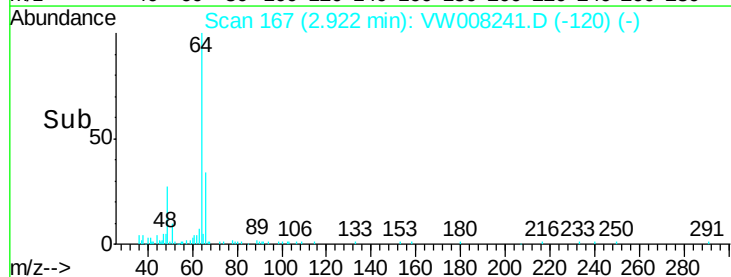
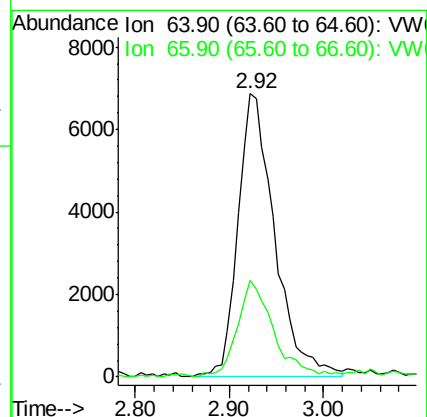
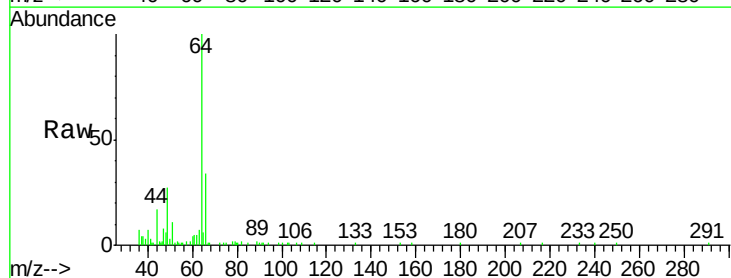
Acq: 14 Jan 2019 12:38

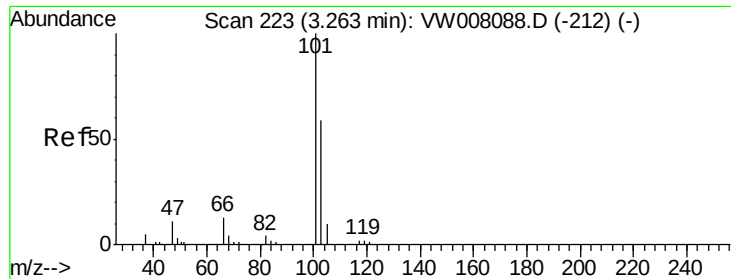
Tgt Ion: 64 Resp: 18717

Ion Ratio Lower Upper

64 100

66 34.2 24.2 36.2





#7

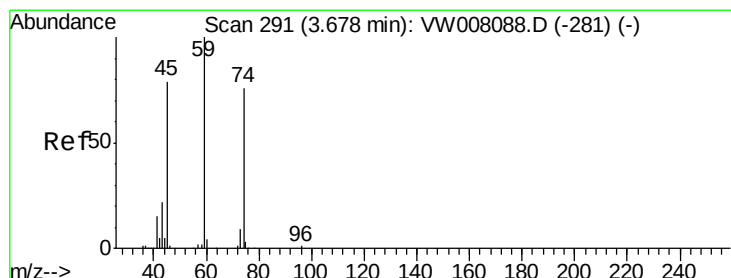
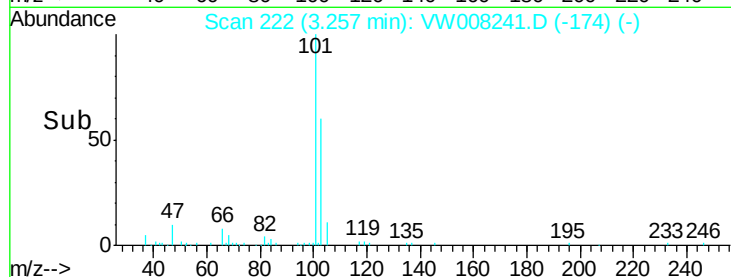
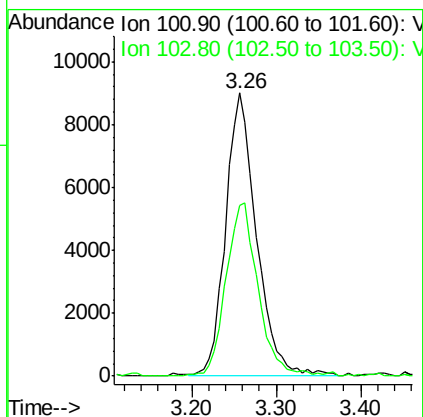
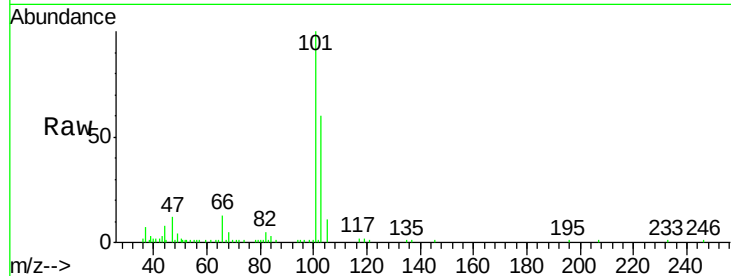
Trichlorofluoromethane
 Concen: 18.646 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Instrument :
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 ClientSampleId :
 VW0114SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	47.0	70.6

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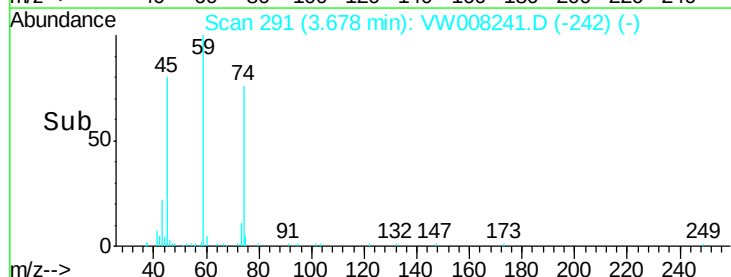
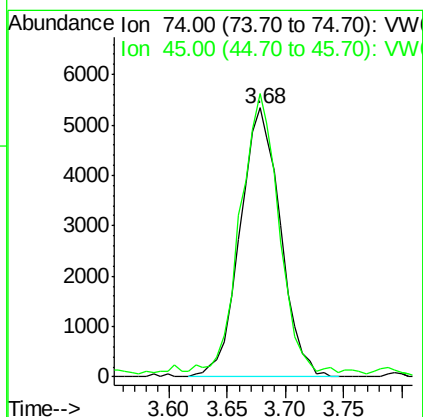
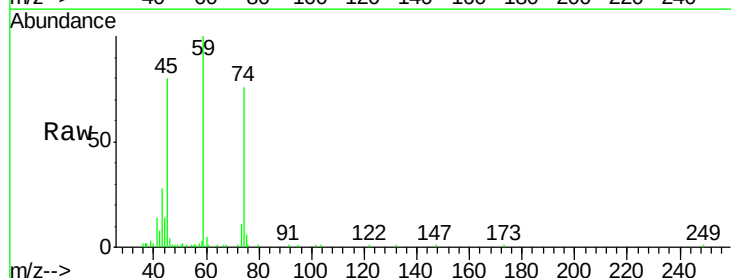
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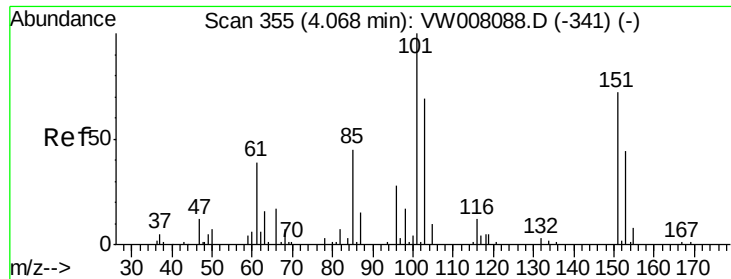


#8

Diethyl Ether
 Concen: 18.892 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.620 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

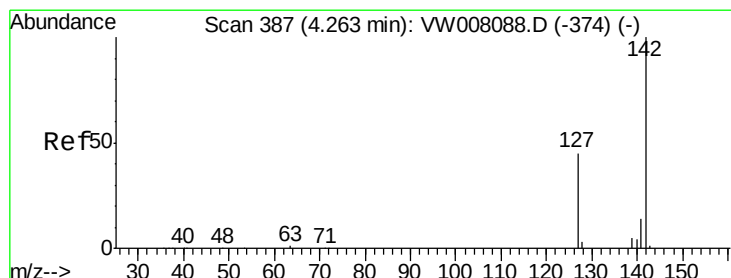
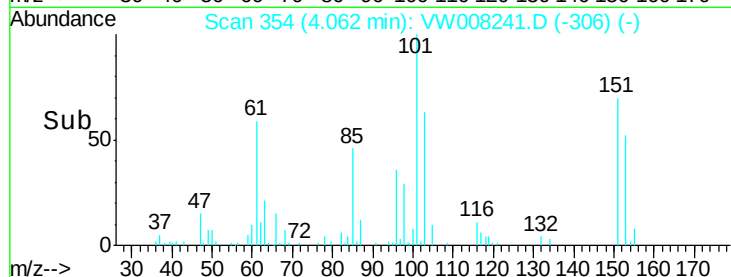
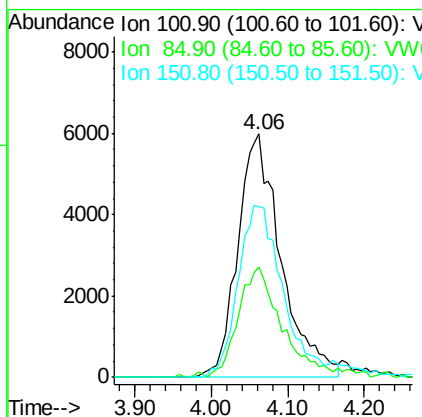
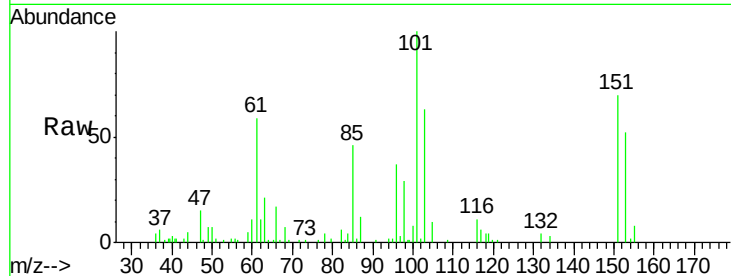
ClientSampleId :

VW0114SBSD01

Tot Ion:	101	Resp:	23536
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.9	53.9
151	72.8	55.8	83.8

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#10

Methyl Iodide

Concen: 20.260 ug/l

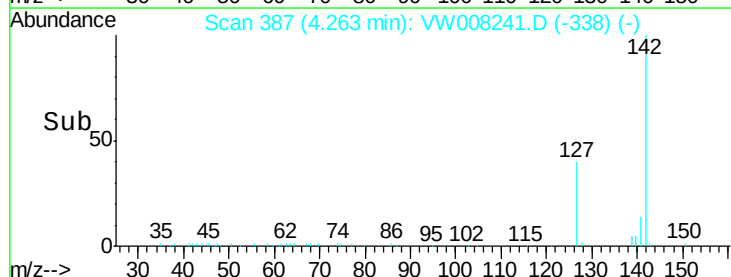
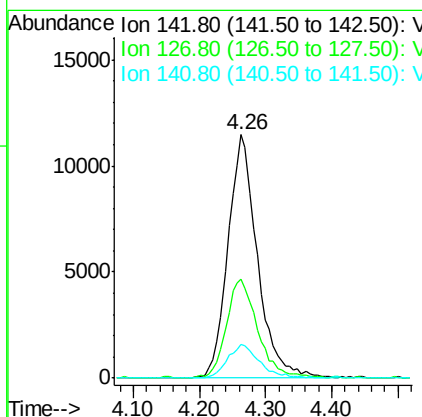
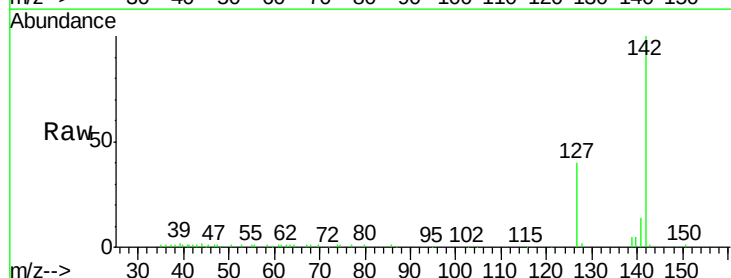
RT: 4.26 min Scan# 387

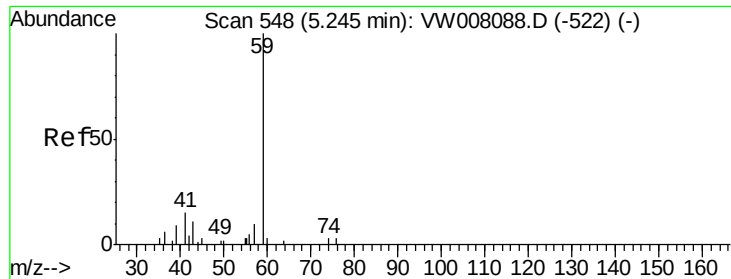
Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Tgt Ion:	142	Resp:	35421
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.0	52.4
141	14.8	11.8	17.6





#11

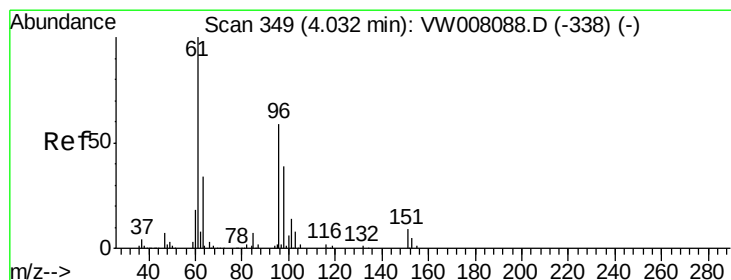
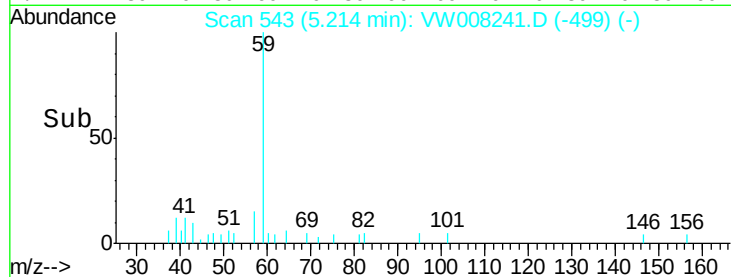
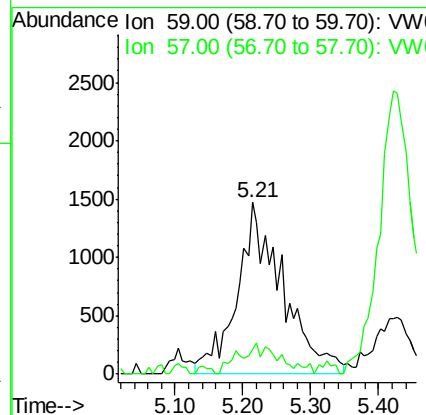
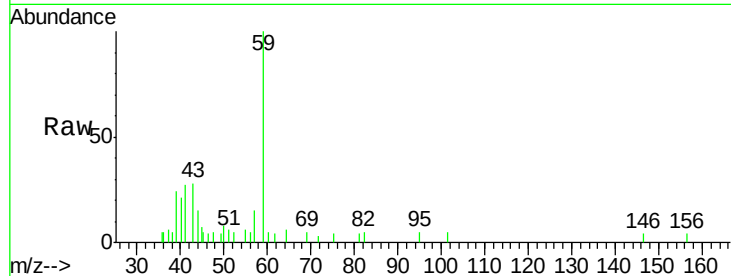
Tert butyl alcohol
Concen: 73.099 ug/l m
RT: 5.21 min Scan# 543
Delta R.T. -0.03 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

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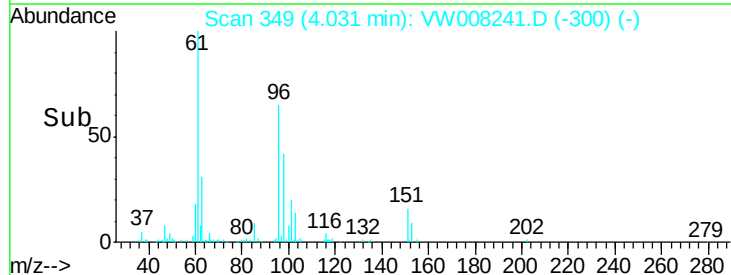
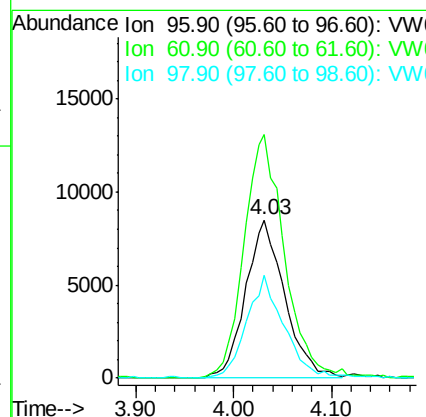
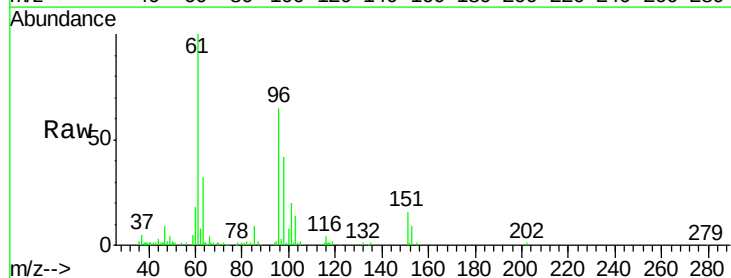
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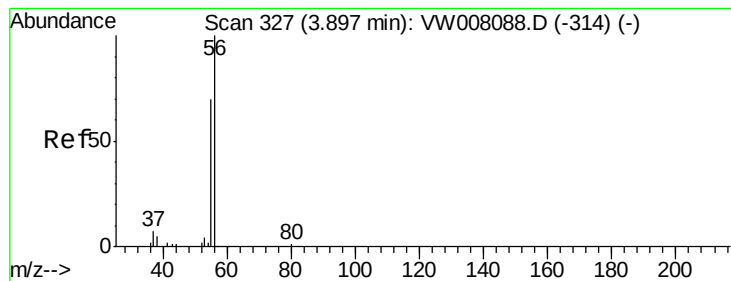


#12

1,1-Dichloroethene
Concen: 20.122 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	135.4	203.2
98	64.7	52.5	78.7





#13

Acrolein

Concen: 77.079 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion: 56 Resp: 6286

Ion Ratio Lower Upper

56 100

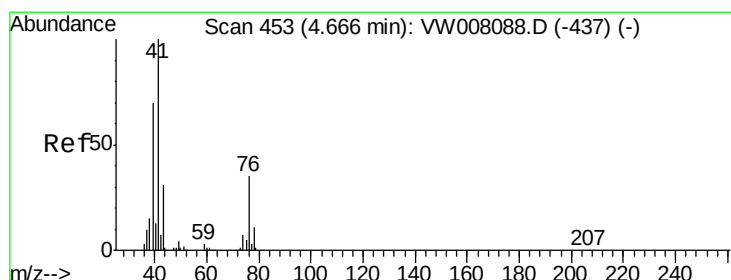
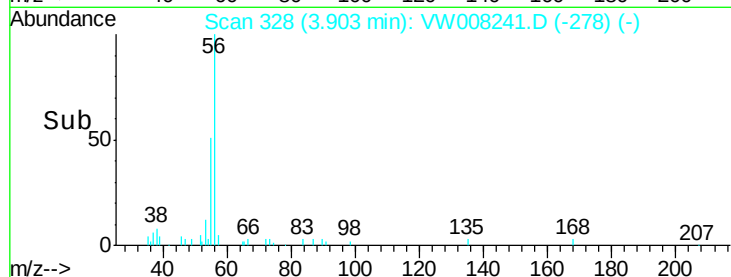
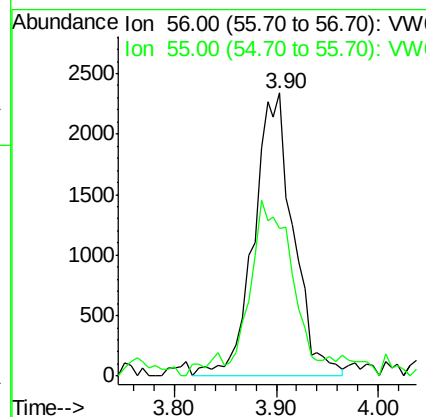
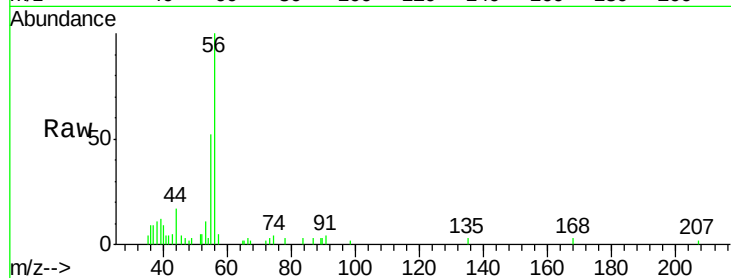
55 56.2 56.6 84.8#

Manual Integrations

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#14

Allyl chloride

Concen: 18.343 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

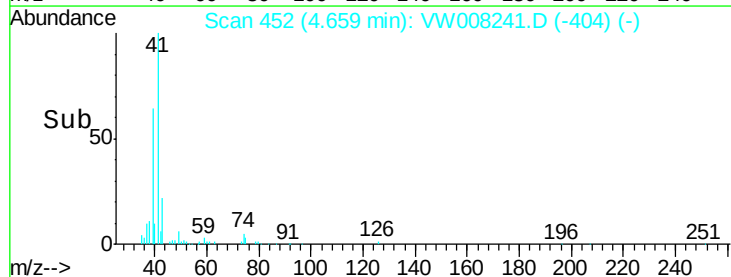
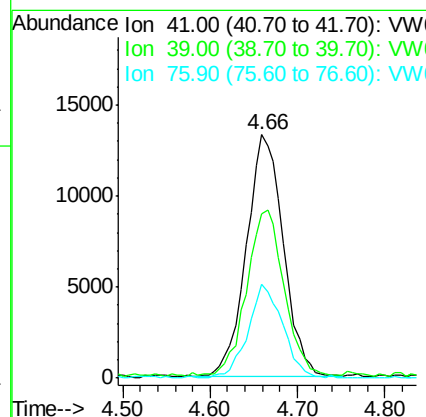
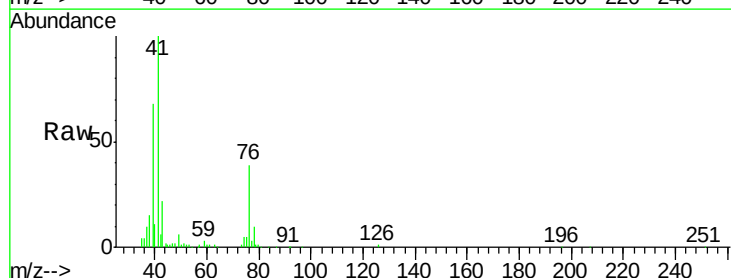
Tgt Ion: 41 Resp: 39224

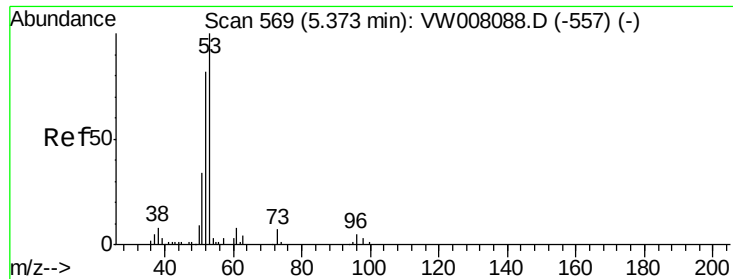
Ion Ratio Lower Upper

41 100

39 69.9 53.8 80.8

76 36.1 27.6 41.4





#15

Acrylonitrile

Concen: 94.594 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

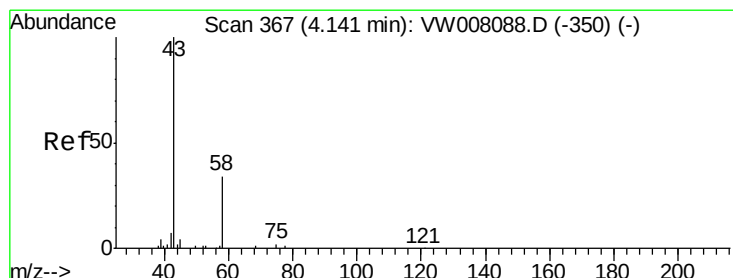
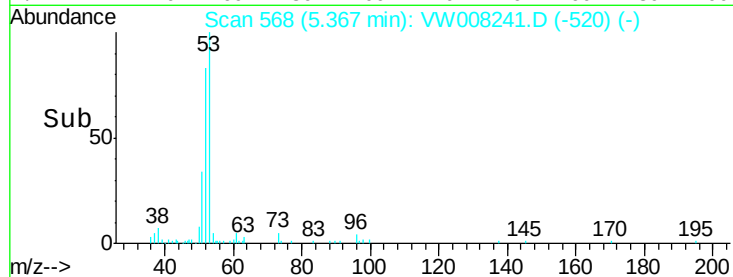
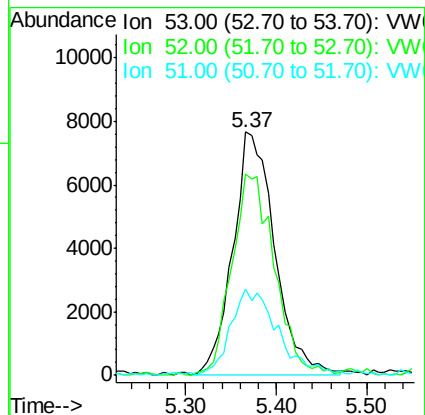
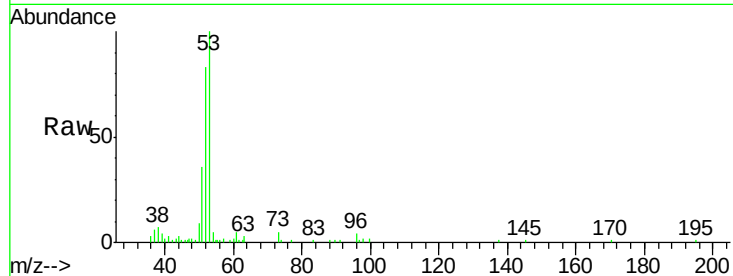
ClientSampleId :

VW0114SBSD01

Tot Ion:	53	Resp:	24599
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.8	100.2
51	39.7	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 106.963 ug/l

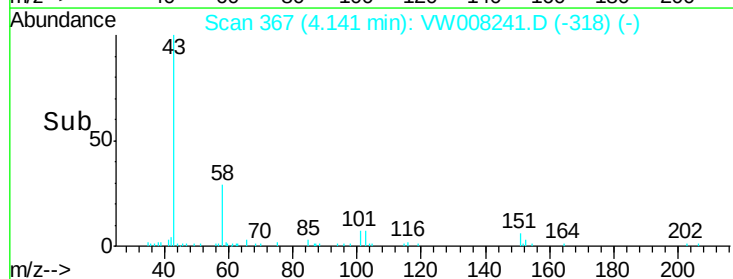
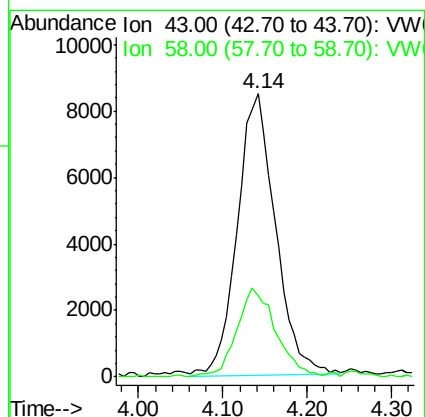
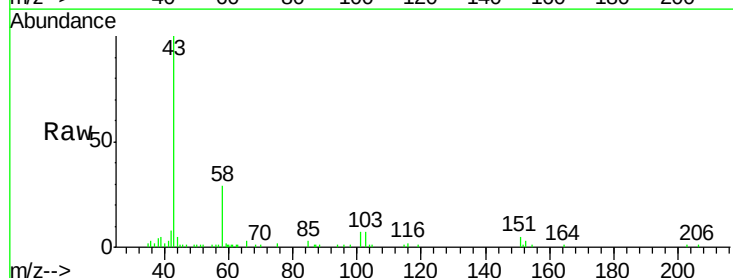
RT: 4.14 min Scan# 367

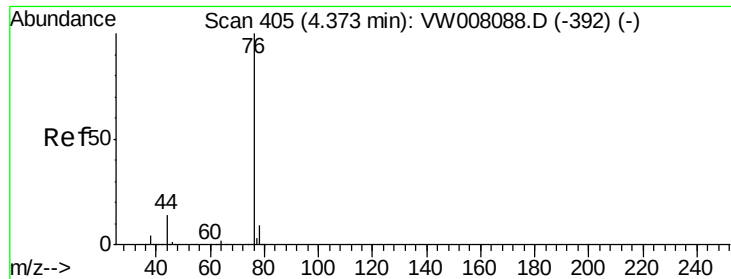
Delta R.T. 0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Tgt Ion:	43	Resp:	25869
Ion	Ratio	Lower	Upper
43	100		
58	29.2	27.5	41.3





#17

Carbon Disulfide

Concen: 18.665 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleID :

VW0114SBSD01

Tot Ion: 76 Resp: 68673

Ion Ratio Lower Upper

76 100

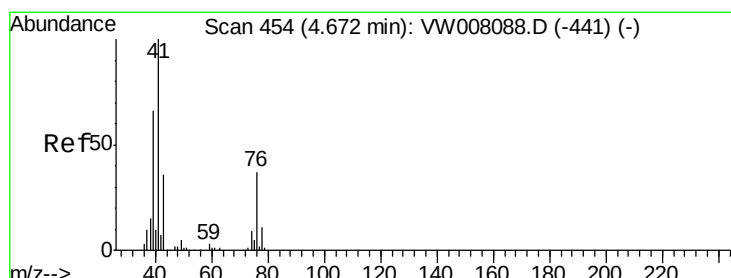
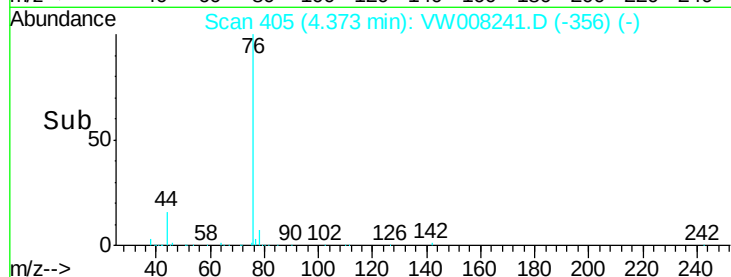
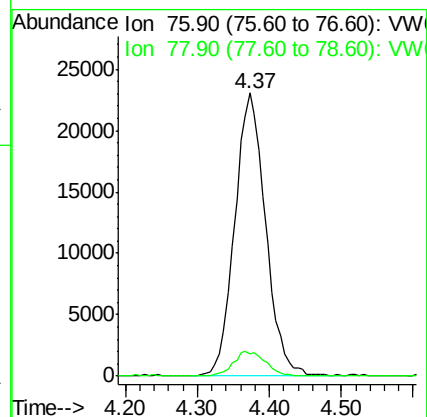
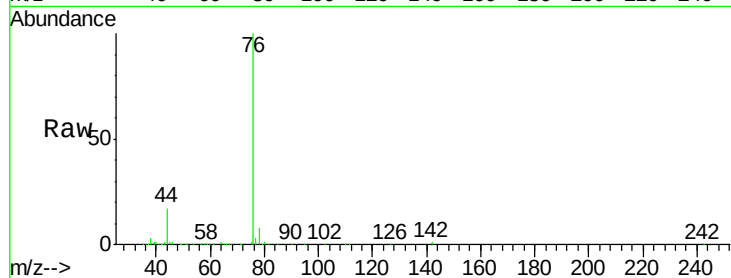
78 7.9 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 18.489 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008241.D

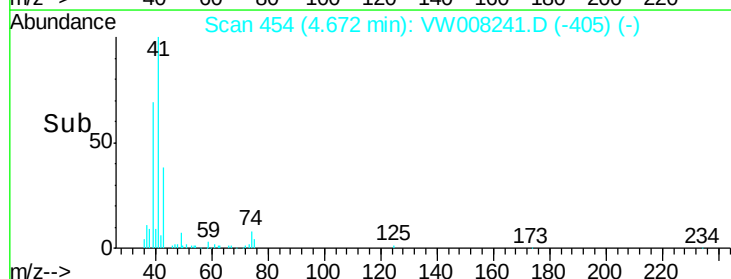
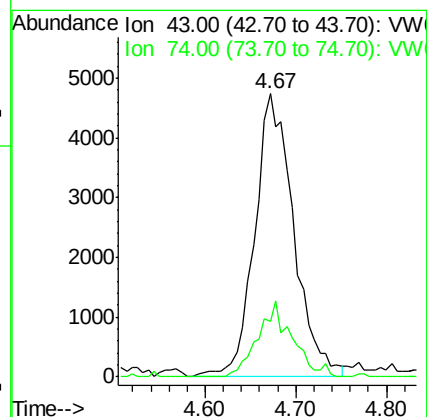
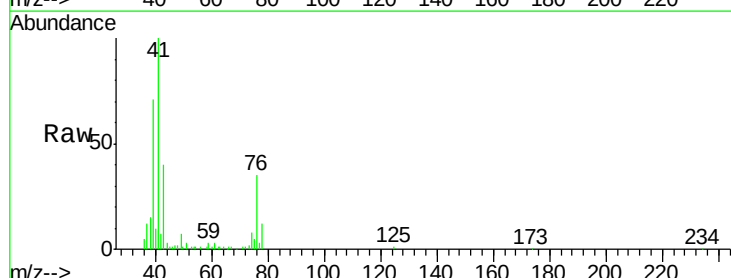
Acq: 14 Jan 2019 12:38

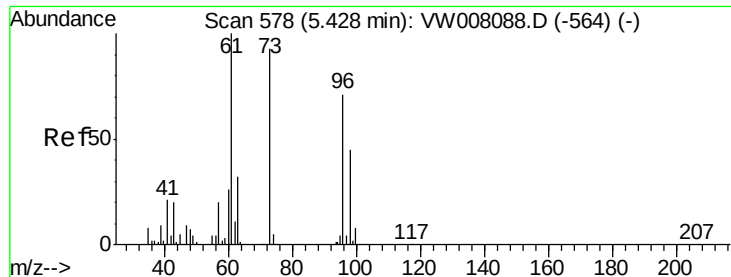
Tgt Ion: 43 Resp: 14125

Ion Ratio Lower Upper

43 100

74 23.5 19.0 28.4





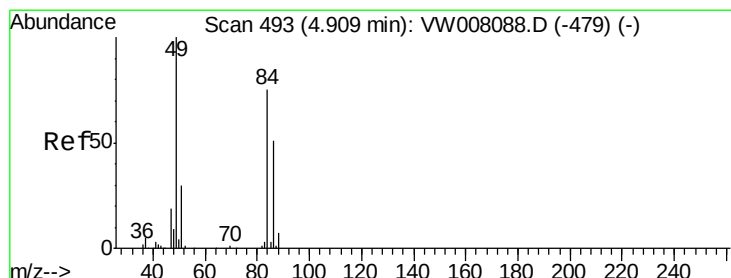
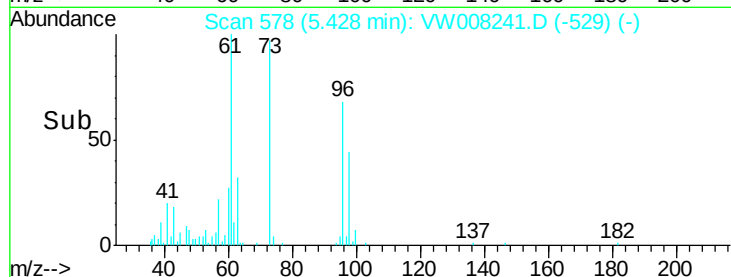
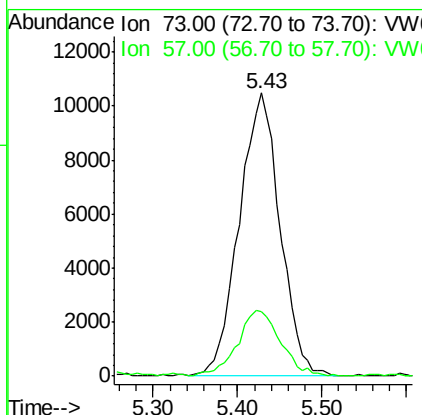
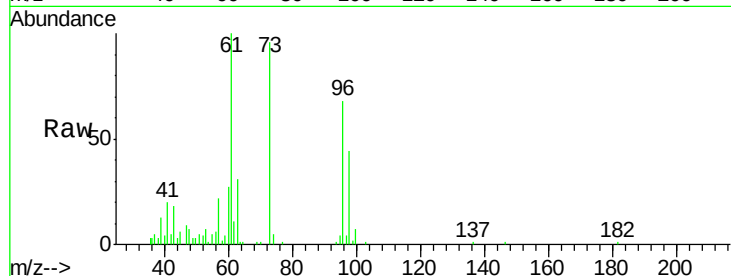
#19
Methyl tert-butyl Ether
Concen: 18.034 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBS01

Tot Ion: 73 Resp: 34530
Ion Ratio Lower Upper
73 100
57 23.0 16.7 25.1

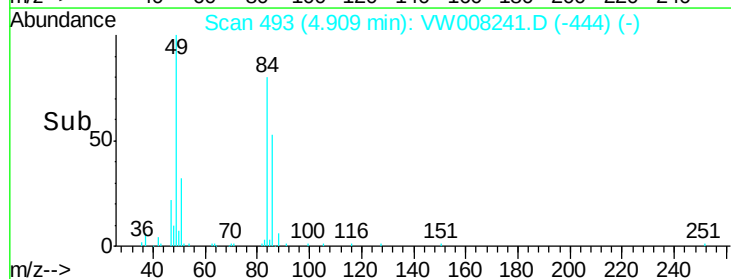
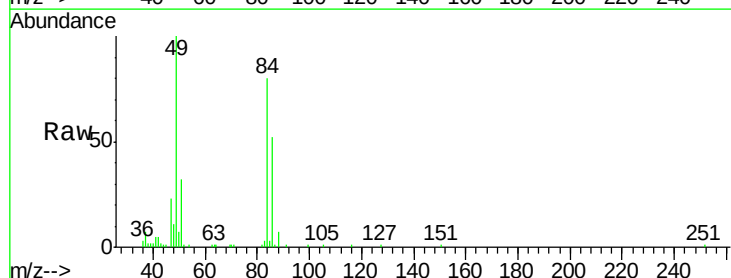
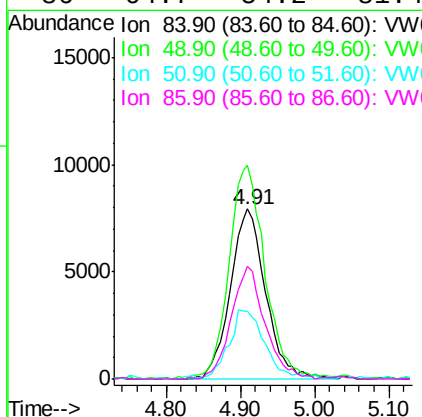
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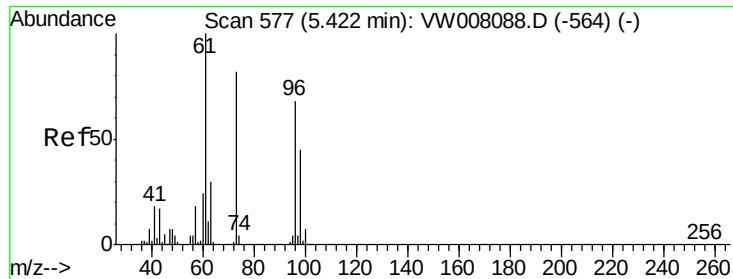
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#20
Methylene Chloride
Concen: 19.119 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 84 Resp: 26287
Ion Ratio Lower Upper
84 100
49 124.8 107.1 160.7
51 39.4 32.4 48.6
86 64.7 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 19.473 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

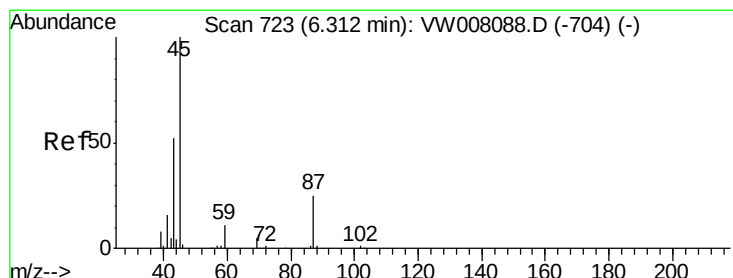
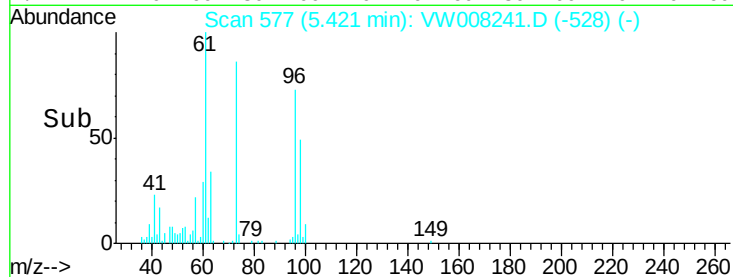
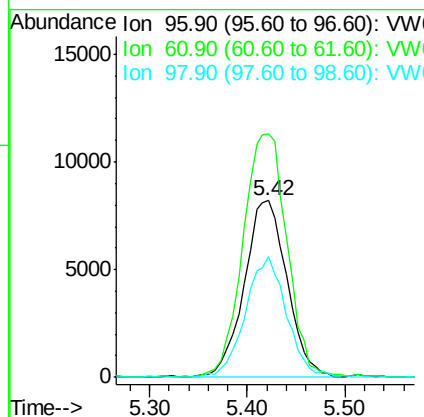
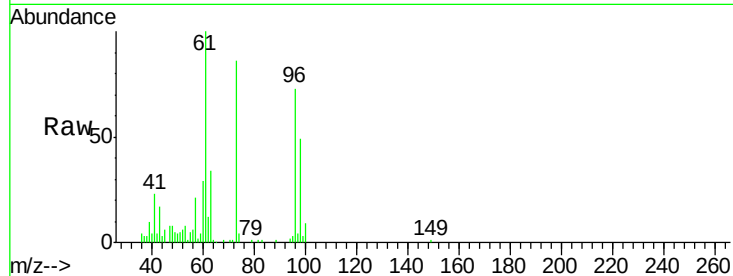
ClientSampleId :

VW0114SBSD01

Tot Ion:	96	Resp:	24923
Ion	Ratio	Lower	Upper
96	100		
61	137.6	117.4	176.0
98	68.0	52.2	78.4

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#22

Diisopropyl ether

Concen: 18.268 ug/l

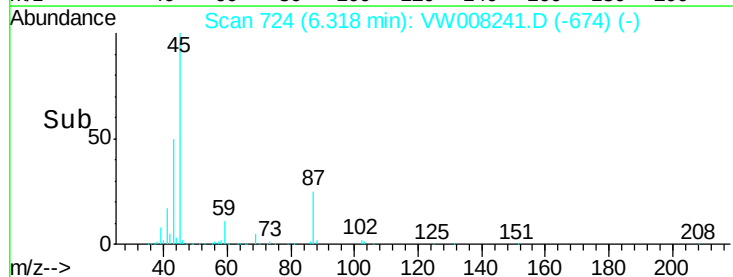
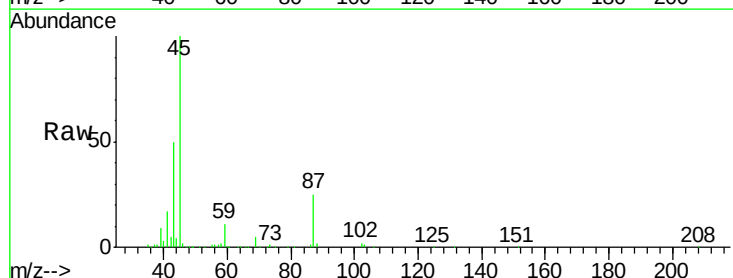
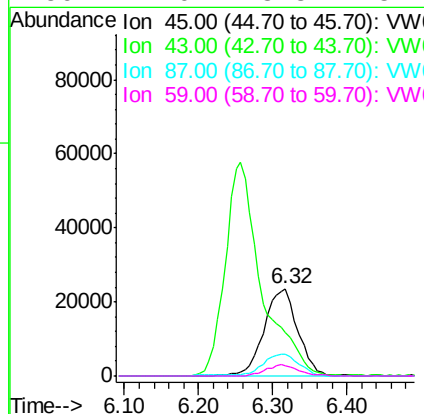
RT: 6.32 min Scan# 724

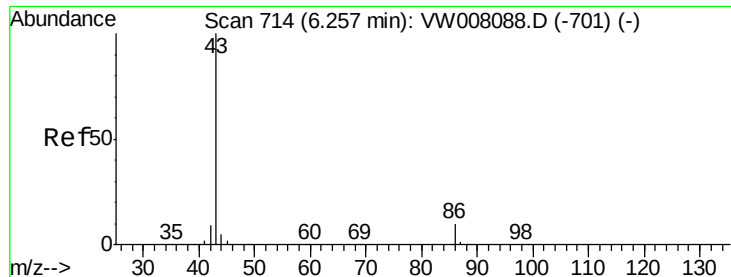
Delta R.T. 0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Tgt Ion:	45	Resp:	74500
Ion	Ratio	Lower	Upper
45	100		
43	49.6	41.7	62.5
87	25.0	20.1	30.1
59	11.0	8.8	13.2





#23

Vinyl Acetate

Concen: 91.313 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion: 43 Resp: 195579

Ion Ratio Lower Upper

43 100

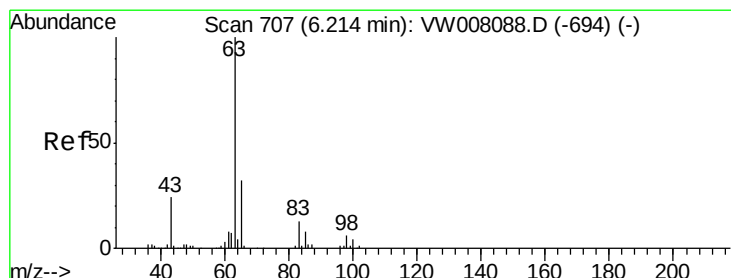
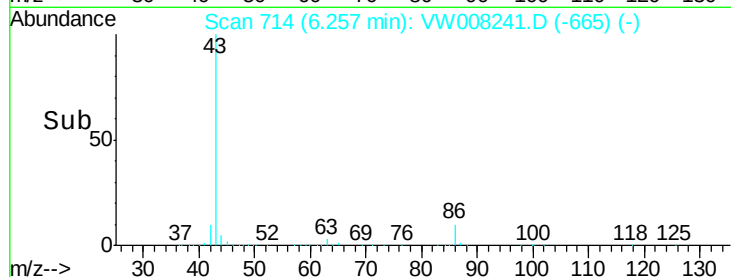
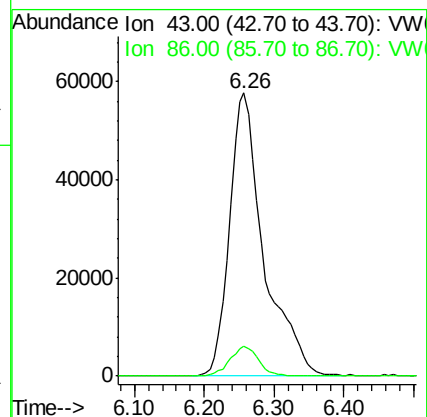
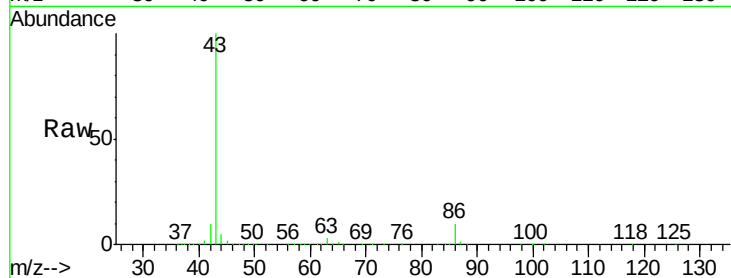
86 10.3 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 18.729 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

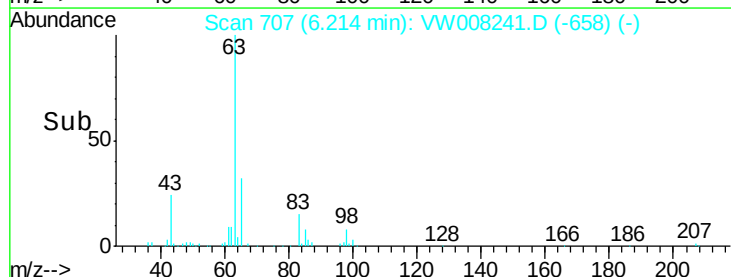
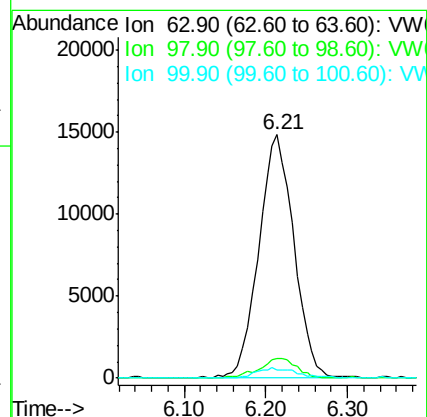
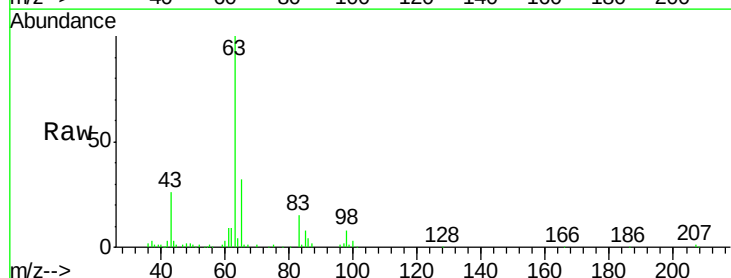
Tgt Ion: 63 Resp: 44503

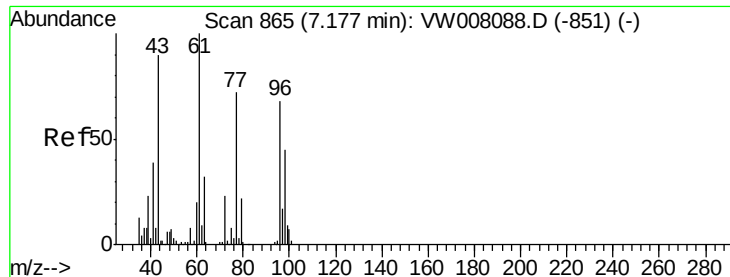
Ion Ratio Lower Upper

63 100

98 8.0 3.2 9.6

100 3.1 2.0 6.0





#25

2-Butanone

Concen: 94.339 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion: 43 Resp: 31727

Ion Ratio Lower Upper

43 100

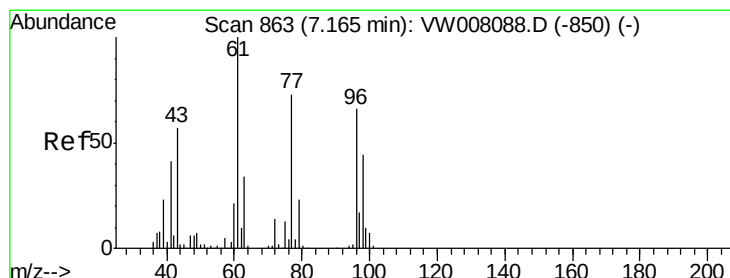
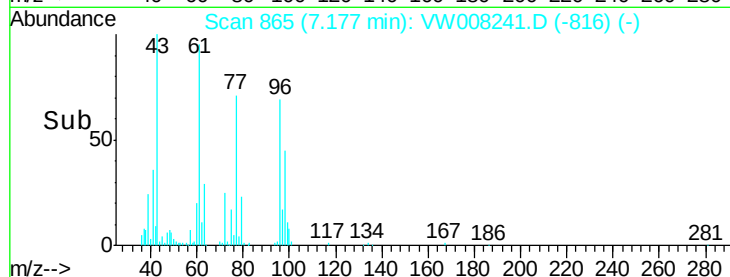
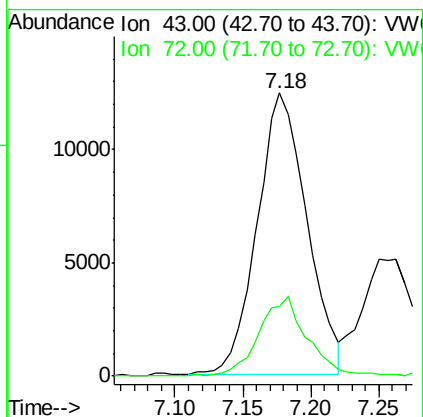
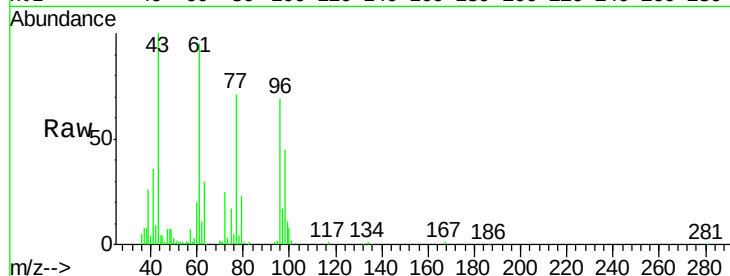
72 24.9 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.372 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008241.D

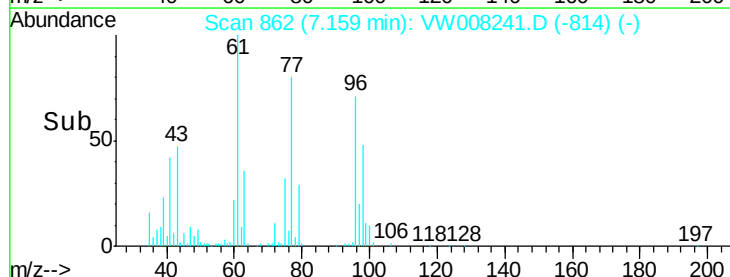
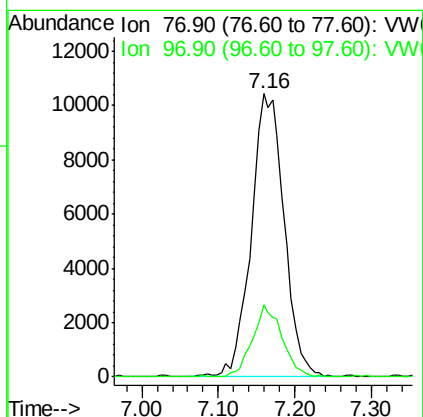
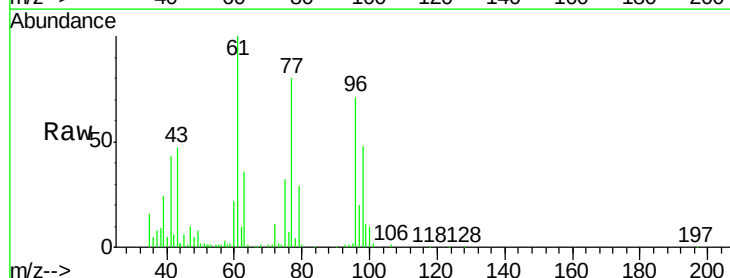
Acq: 14 Jan 2019 12:38

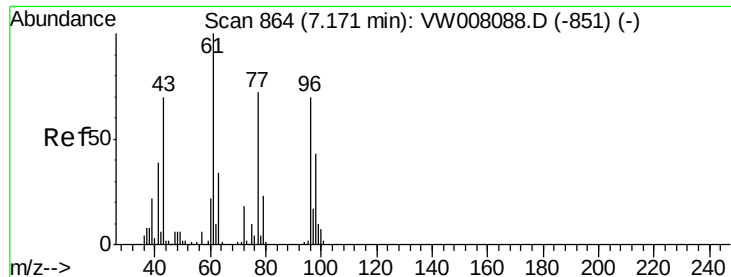
Tgt Ion: 77 Resp: 31189

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1





#27

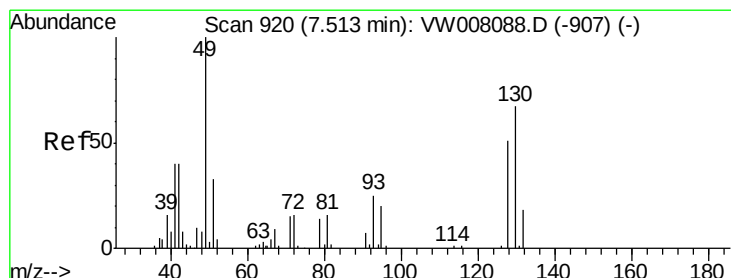
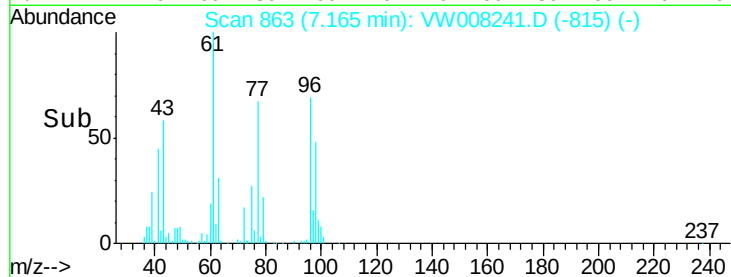
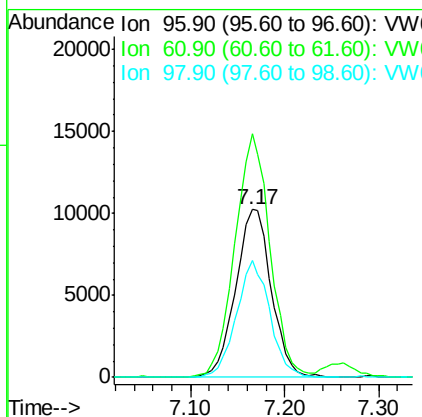
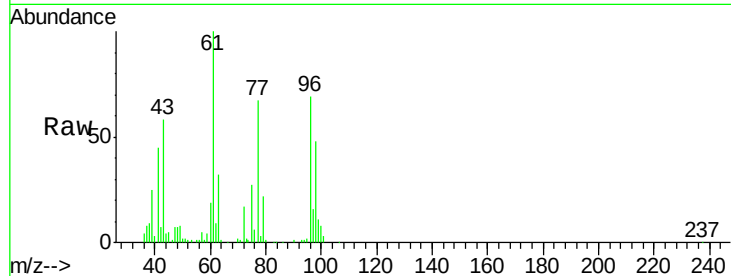
cis-1,2-Dichloroethene
Concen: 19.392 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	300.4
98	65.3	0.0	128.4

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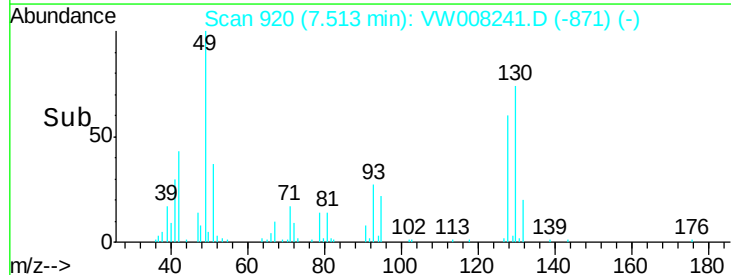
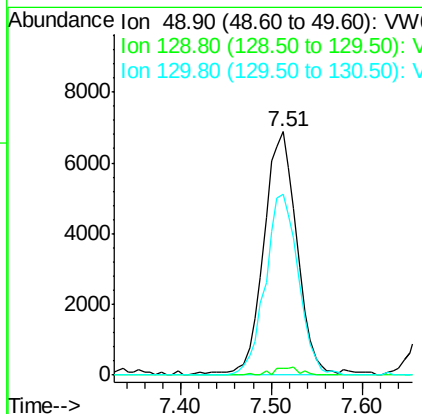
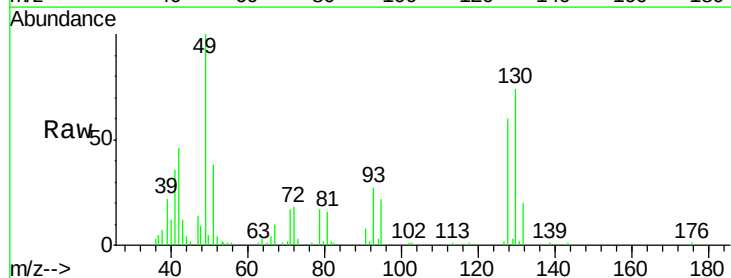
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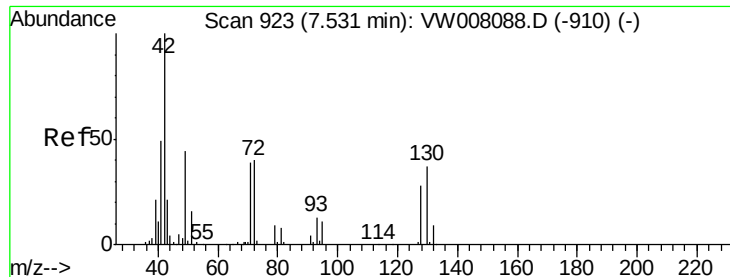


#28

Bromochloromethane
Concen: 18.541 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	2.8
130	73.7	54.3	81.5





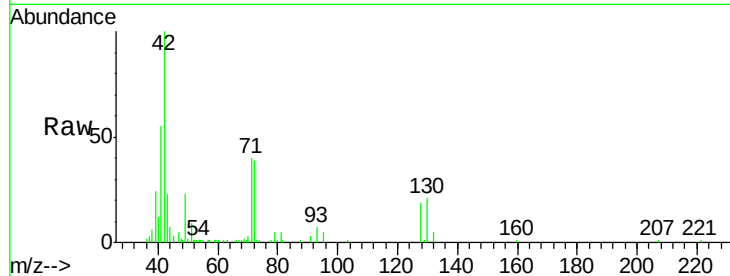
#29
Tetrahydrofuran
Concen: 92.161 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBS01

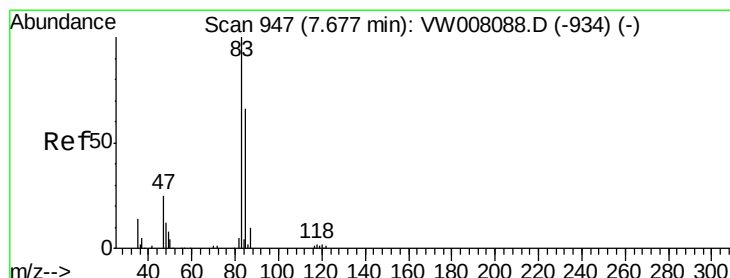
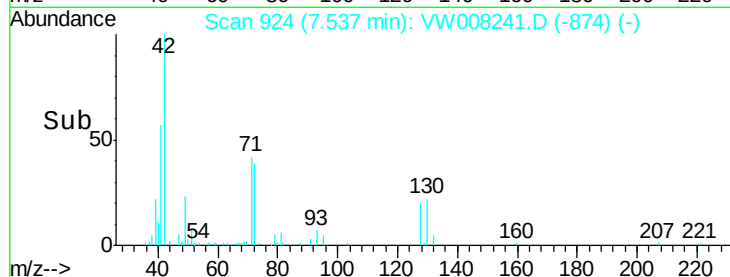
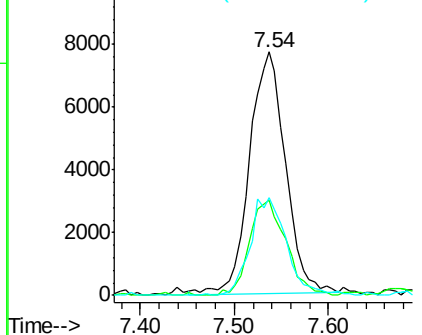
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.4	48.6
71	41.1	31.3	46.9

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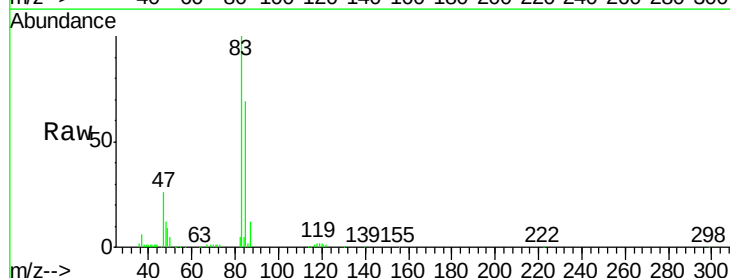


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

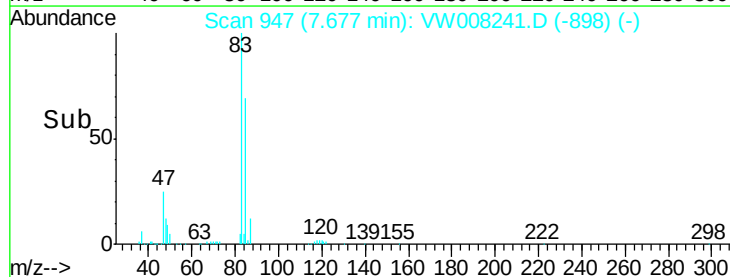
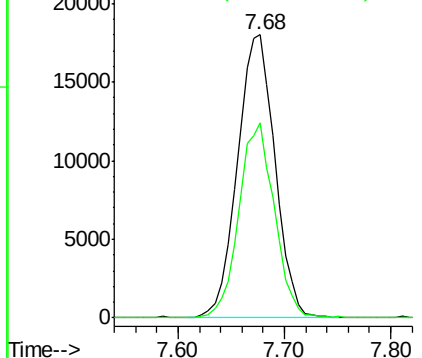


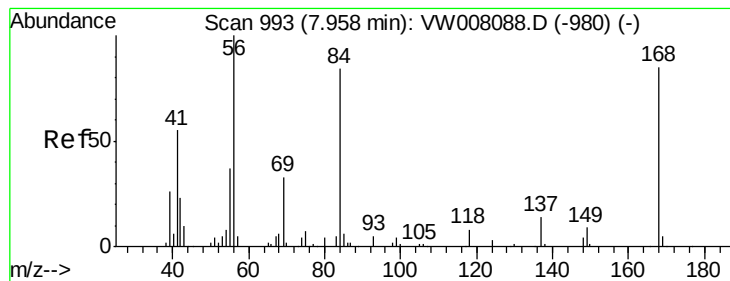
#30
Chloroform
Concen: 19.705 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.0	53.2	79.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 17.365 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

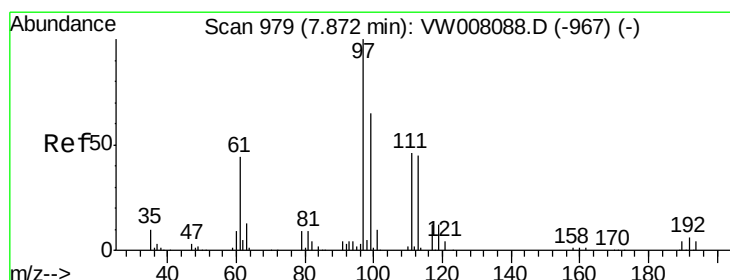
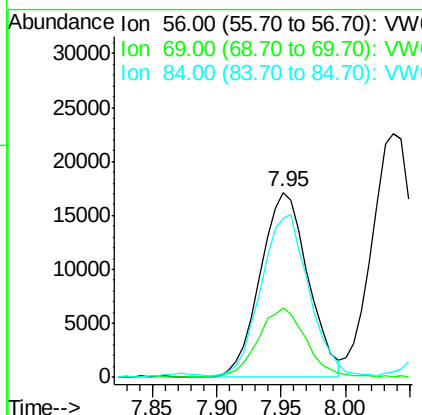
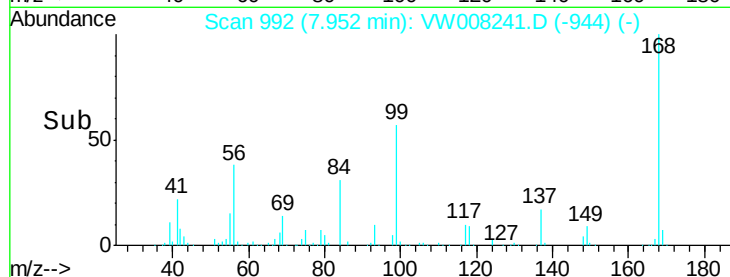
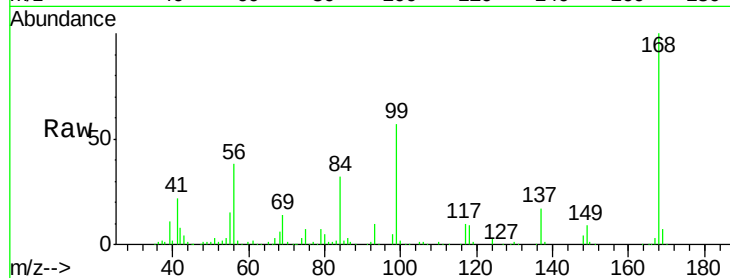
ClientSampleId :

VW0114SBSD01

Tot Ion:	56	Resp:	44172
Ion	Ratio	Lower	Upper
56	100		
69	37.6	26.2	39.4
84	84.2	67.4	101.2

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#32

1,1,1-Trichloroethane

Concen: 19.580 ug/l

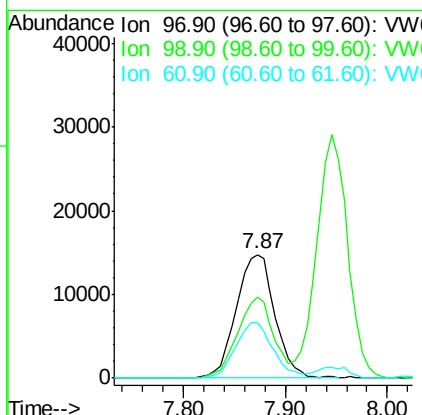
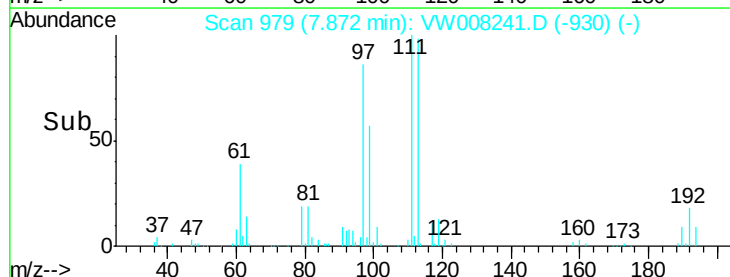
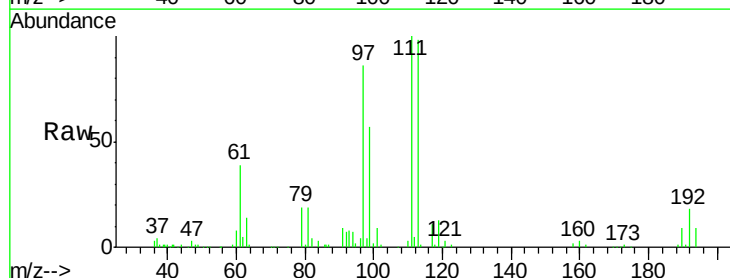
RT: 7.87 min Scan# 979

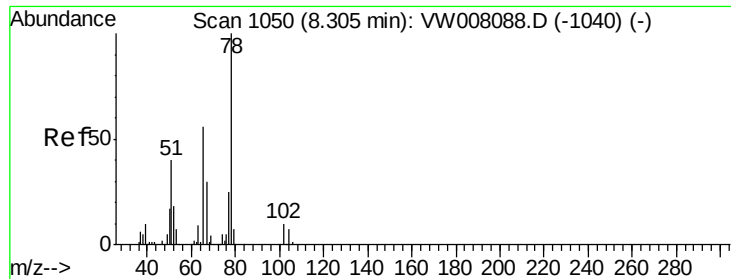
Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Tgt Ion:	97	Resp:	38534
Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.4	77.0
61	42.8	35.6	53.4





#33

1,2-Dichloroethane-d4

Concen: 39.981 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion: 65 Resp: 48326

Ion Ratio Lower Upper

65 100

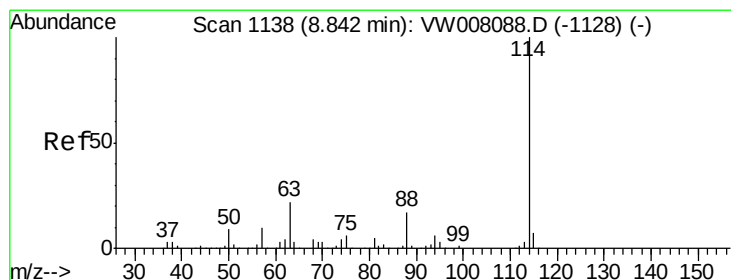
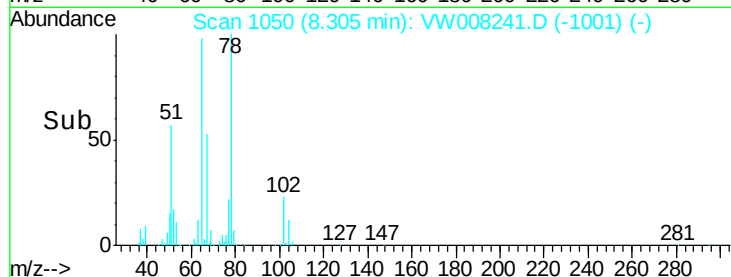
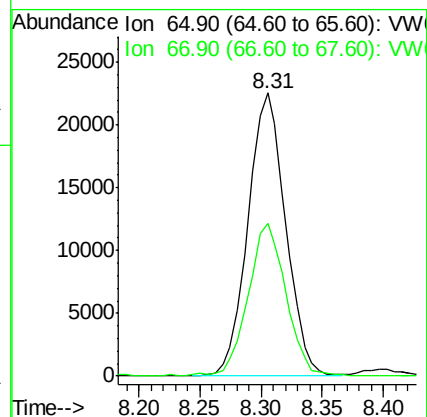
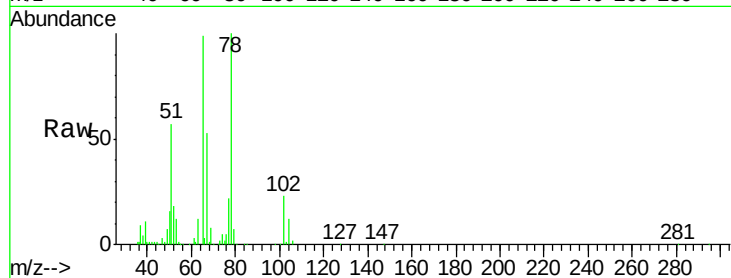
67 54.5 0.0 106.8

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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: VW008241.D

Acq: 14 Jan 2019 12:38

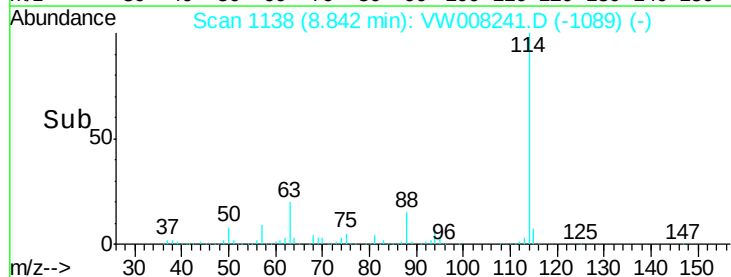
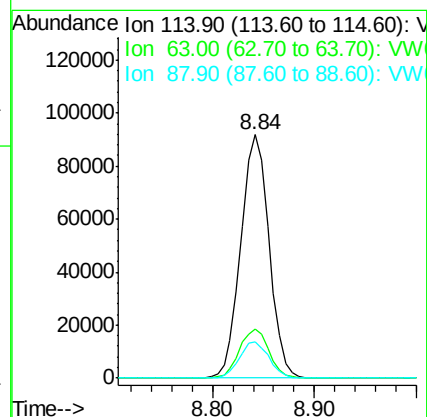
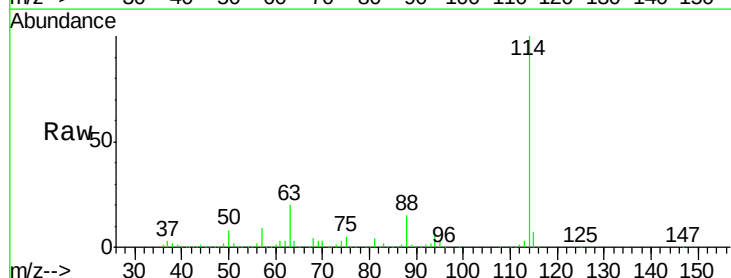
Tgt Ion: 114 Resp: 176219

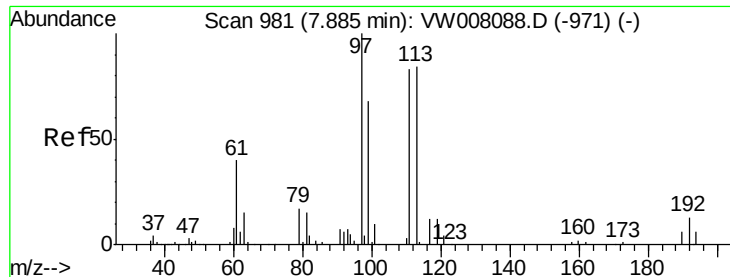
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.4

88 15.0 0.0 33.4





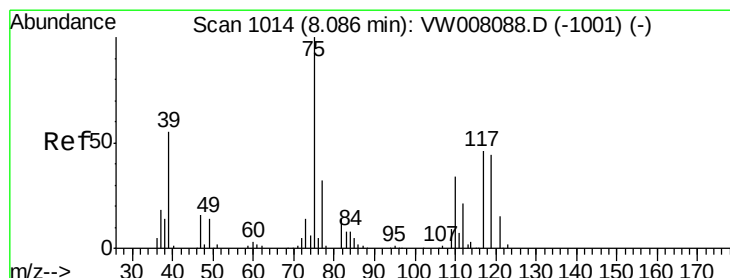
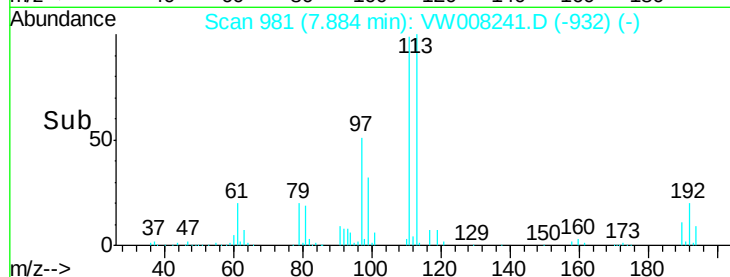
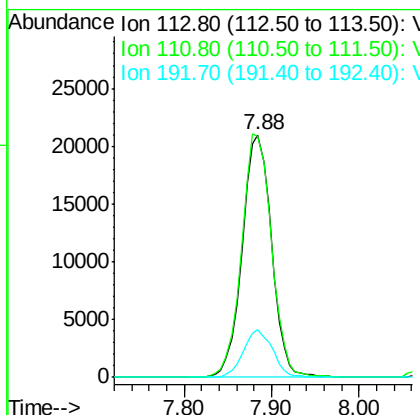
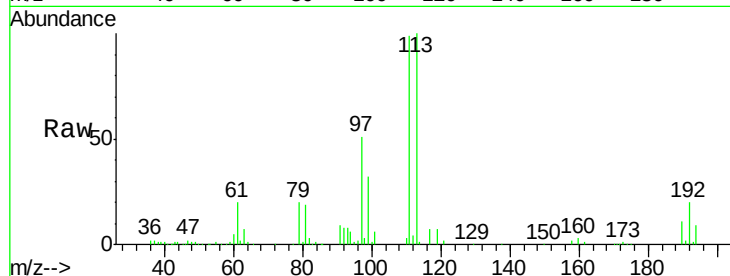
#35
 Dibromofluoromethane
 Concen: 47.495 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.8
192	19.5	12.8	19.2#

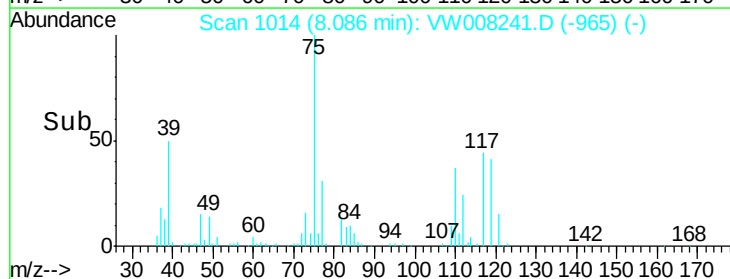
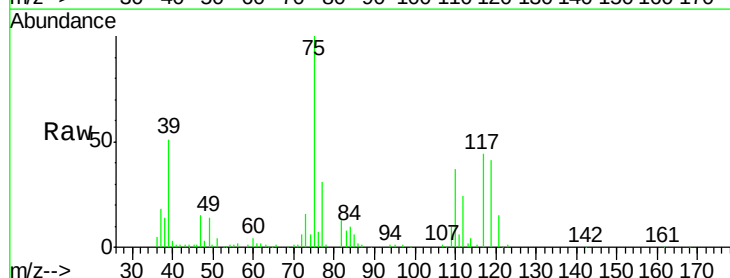
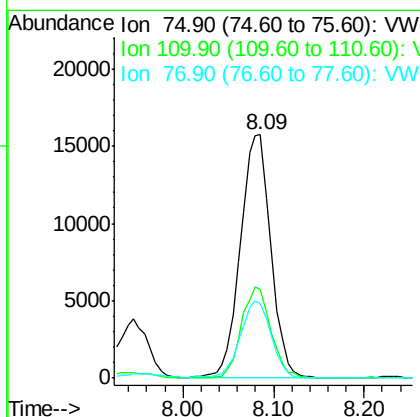
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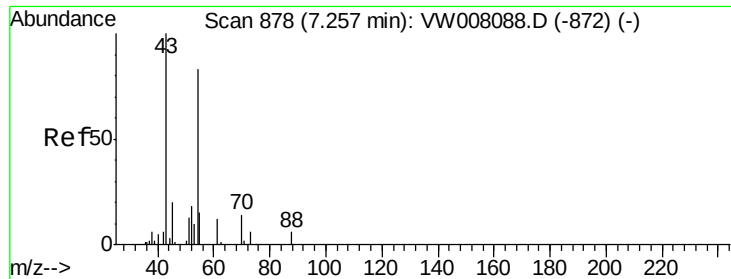
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#36
 1,1-Dichloropropene
 Concen: 20.218 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.1	51.3
77	32.3	25.5	38.3





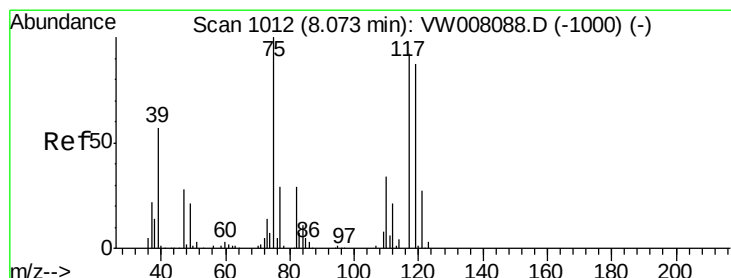
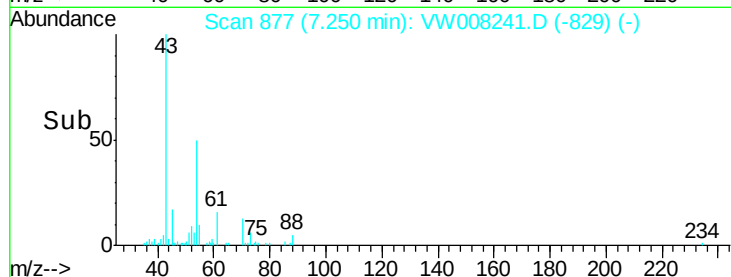
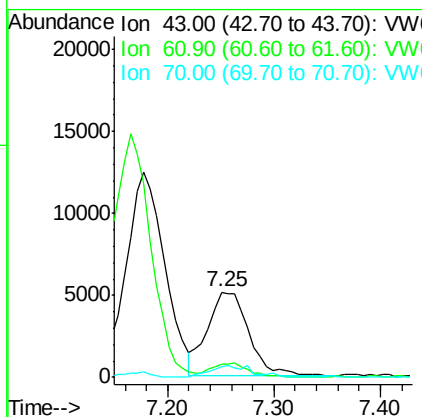
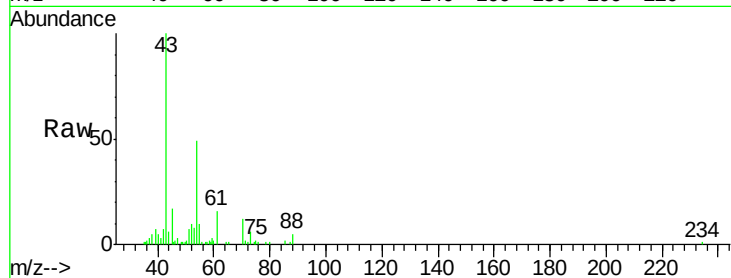
#37
Ethyl Acetate
Concen: 18.877 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampled :
VW0114SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.6	16.0
70	14.4	8.9	13.3

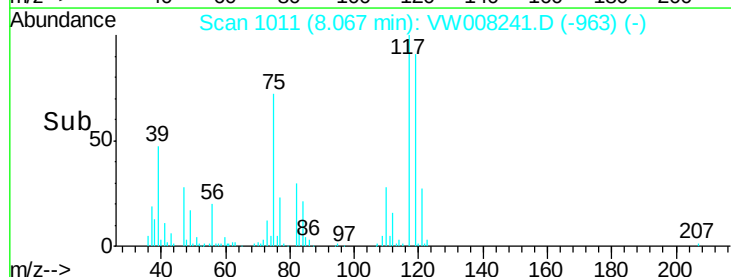
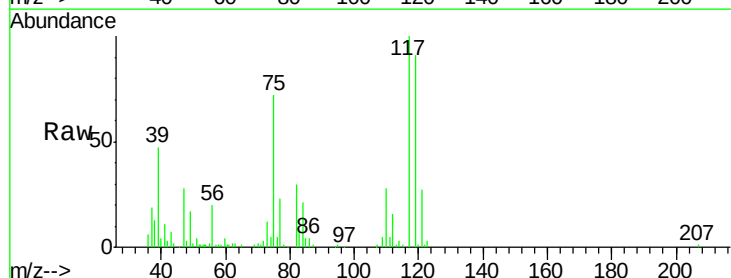
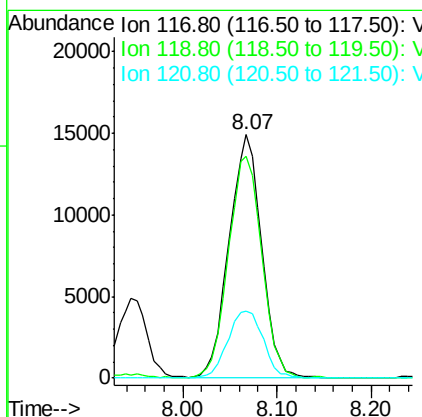
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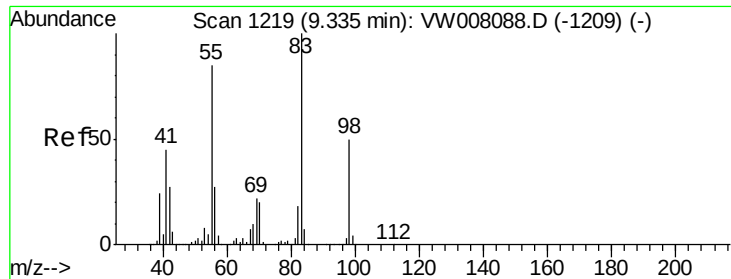
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#38
Carbon Tetrachloride
Concen: 21.576 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	75.8	113.8
121	27.5	23.7	35.5





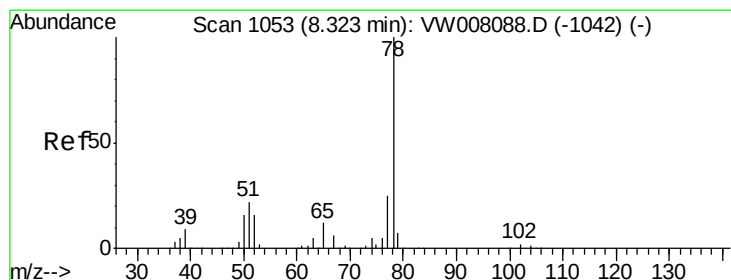
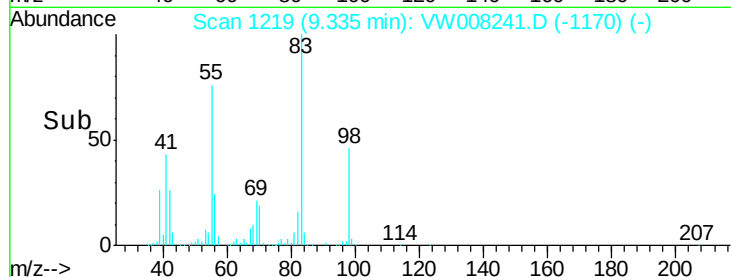
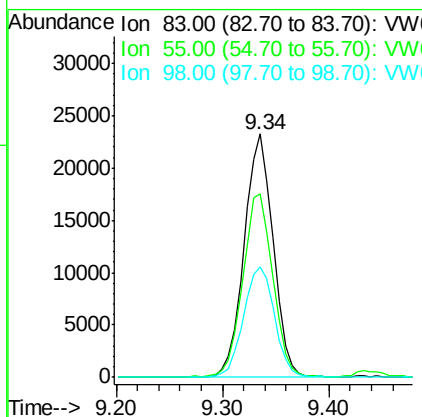
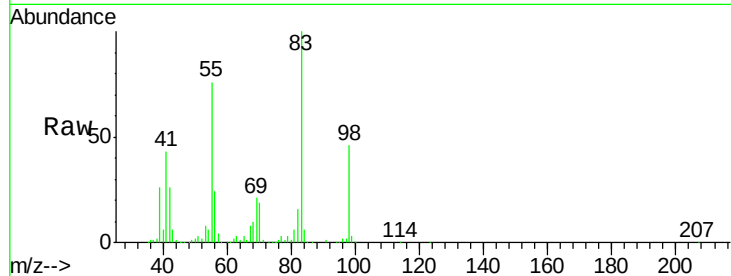
#39
Methylvlcyclohexane
Concen: 19.405 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tot Ion	83	Resp	44664
Ion	Ratio	Lower	Upper
83	100		
55	75.6	67.8	101.6
98	45.5	40.2	60.4

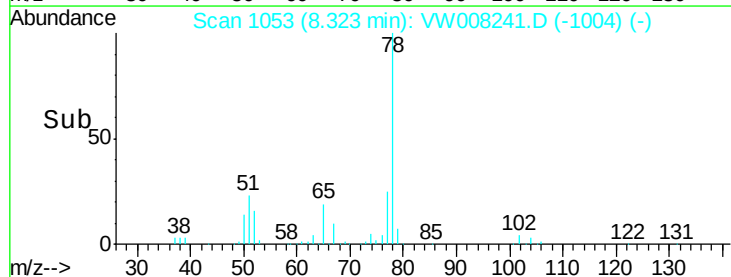
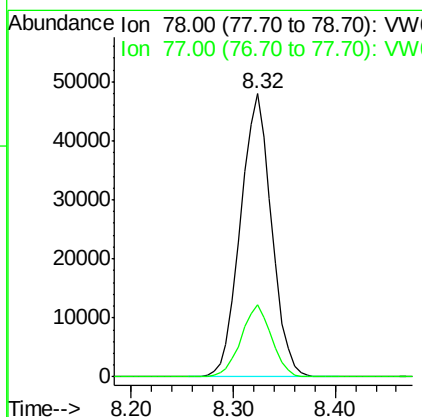
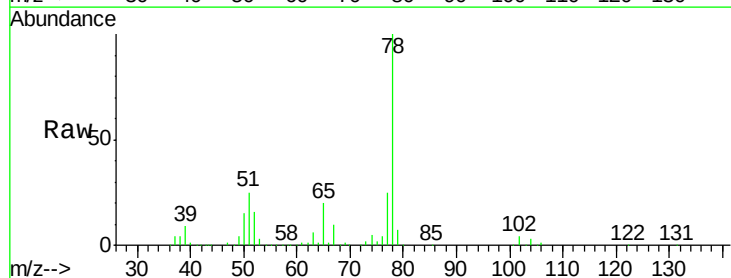
Manual Integrations
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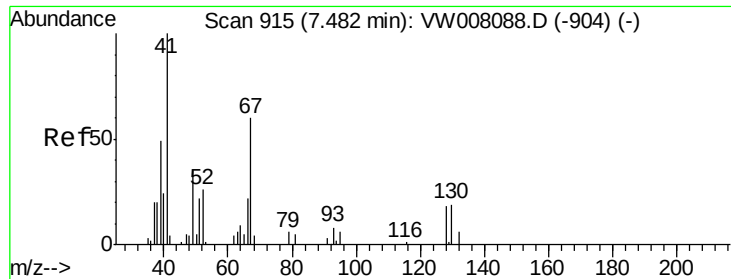
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#40
Benzene
Concen: 20.604 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion	78	Resp	101444
Ion	Ratio	Lower	Upper
78	100		
77	25.3	20.2	30.4





#41

Methacrylonitrile

Concen: 18.934 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

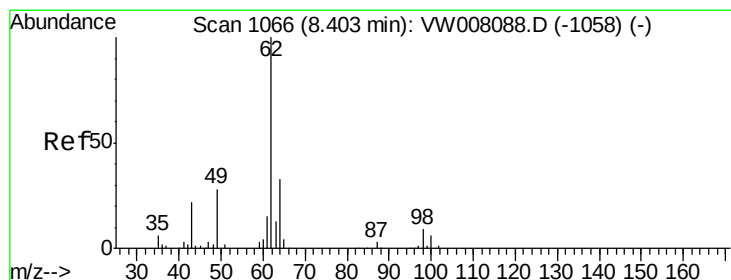
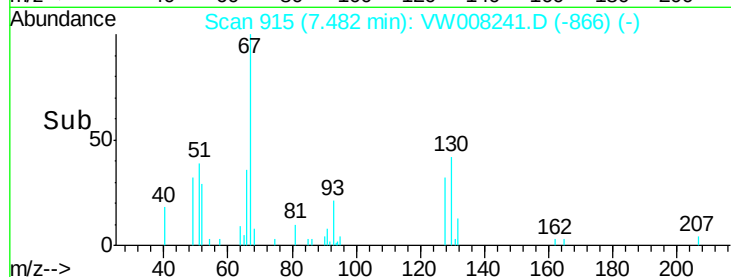
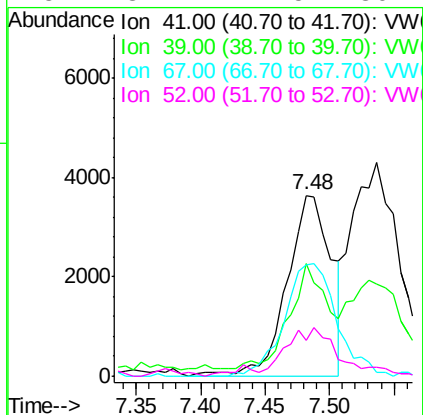
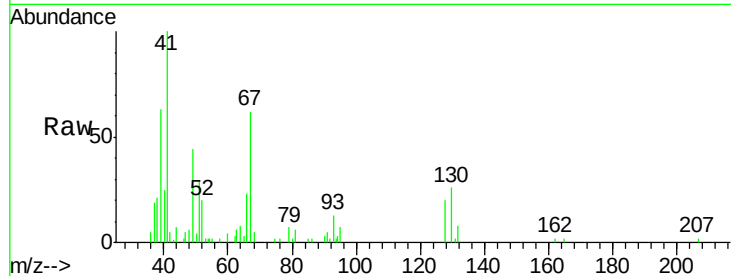
ClientSampleId :

VW0114SBSD01

Tot Ion	41	Resp:	8698
Ion	Ratio	Lower	Upper
41	100		
39	55.9	47.9	71.9
67	73.1	56.3	84.5
52	32.1	24.5	36.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.898 ug/l

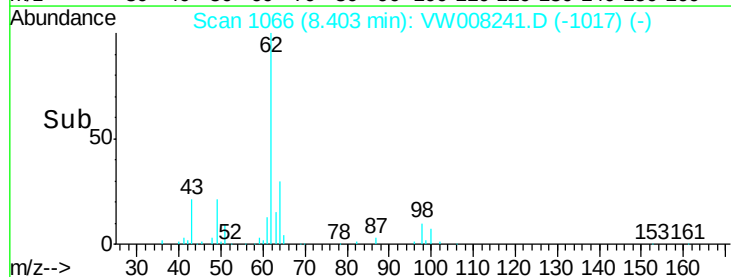
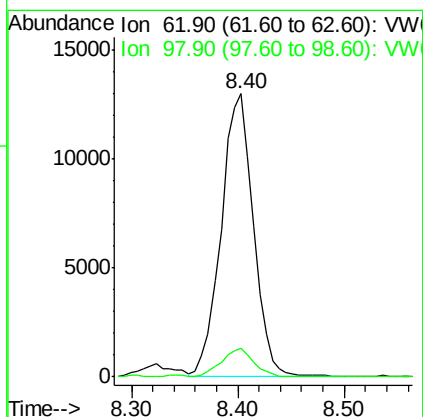
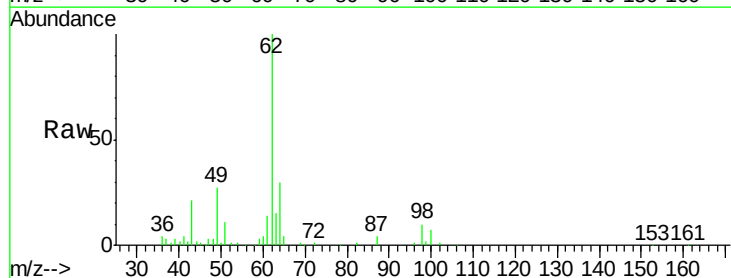
RT: 8.40 min Scan# 1066

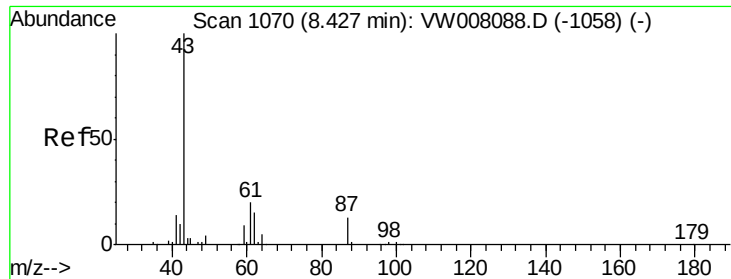
Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Tgt Ion	62	Resp:	27554
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 18.923 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

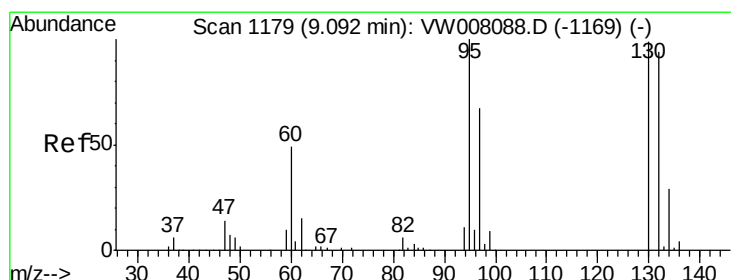
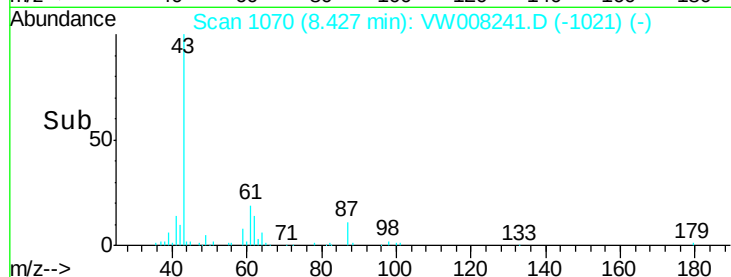
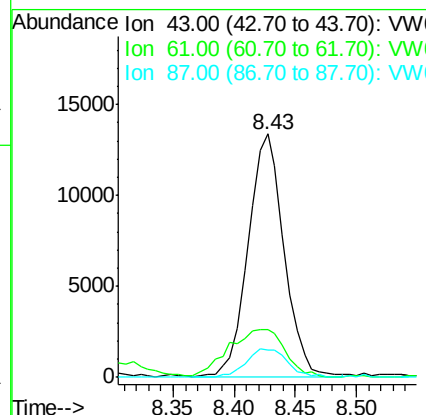
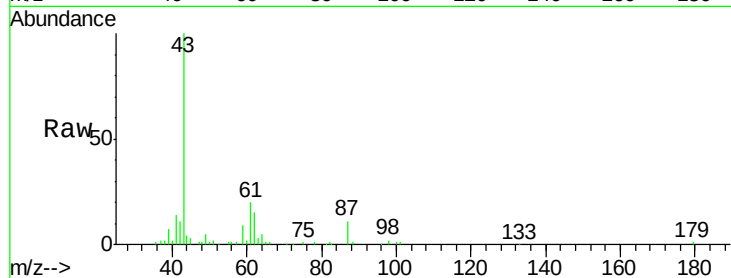
ClientSampleId :

VW0114SBSD01

Tot Ion:	43	Resp:	27515
Ion	Ratio	Lower	Upper
43	100		
61	30.6	24.8	37.2
87	13.6	10.4	15.6

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#44

Trichloroethene

Concen: 21.689 ug/l

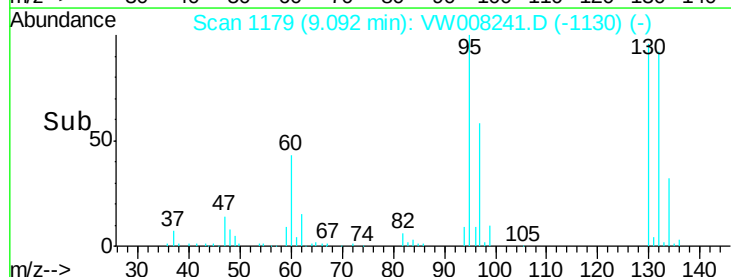
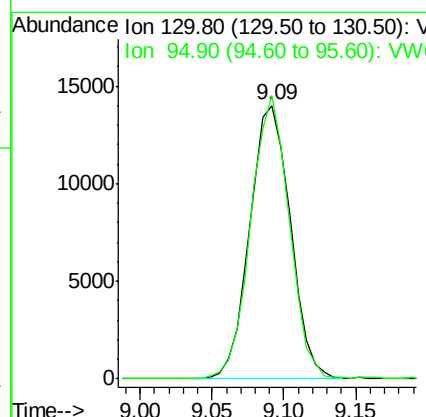
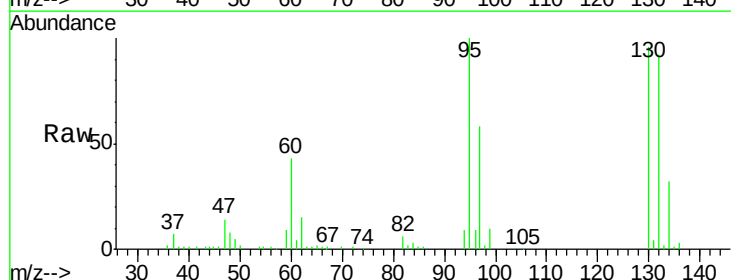
RT: 9.09 min Scan# 1179

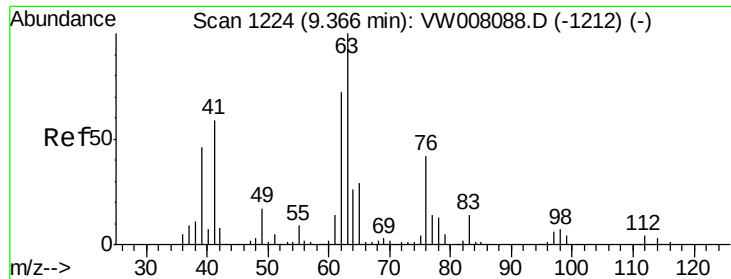
Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Tgt Ion:	130	Resp:	27336
Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	202.8





#45

1,2-Dichloropropane

Concen: 20.781 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion: 63 Resp: 25369

Ion Ratio Lower Upper

63 100

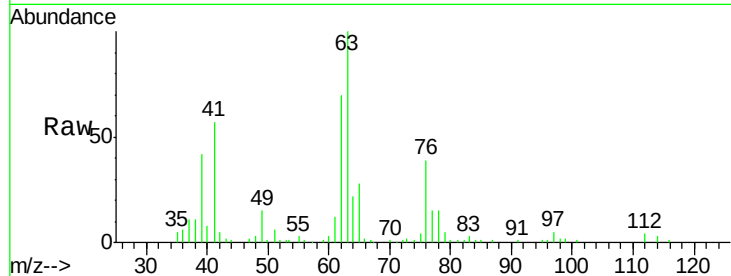
65 27.5 23.3 34.9

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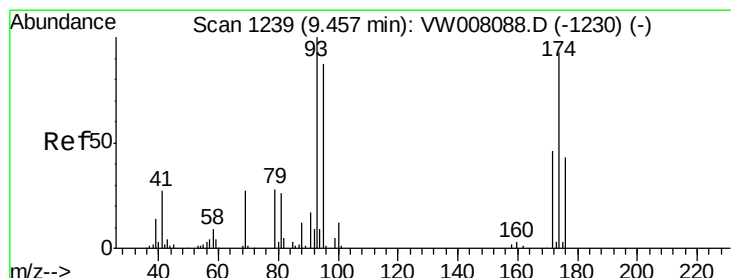
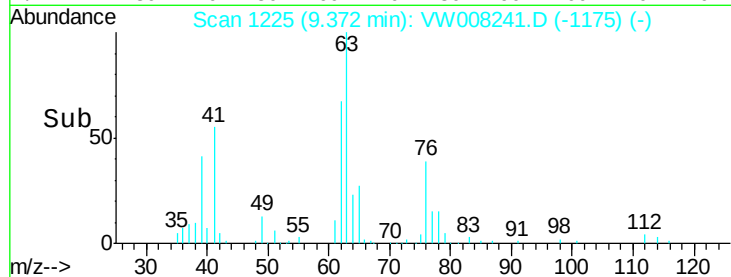
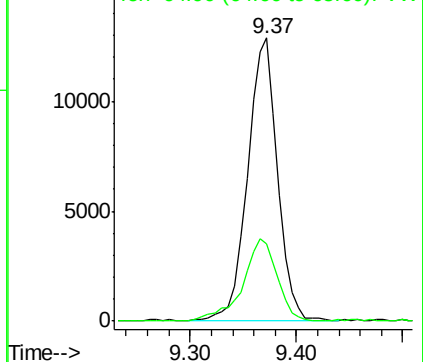
apatel

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 21.391 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

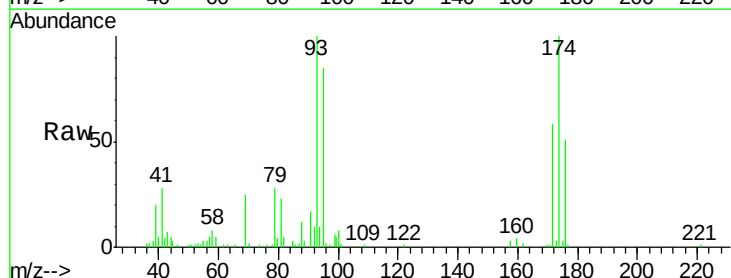
Tgt Ion: 93 Resp: 12825

Ion Ratio Lower Upper

93 100

95 84.7 67.5 101.3

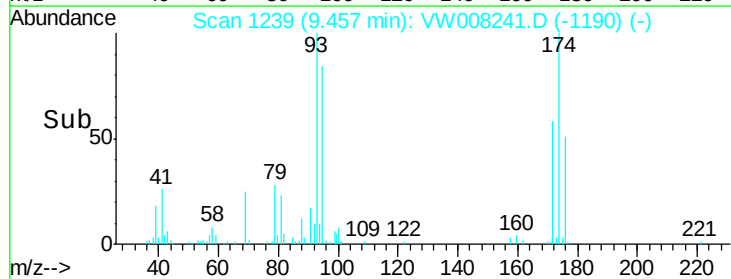
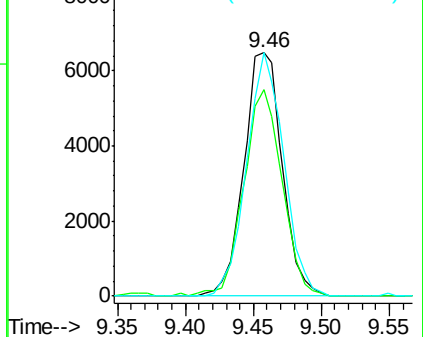
174 96.9 72.5 108.7

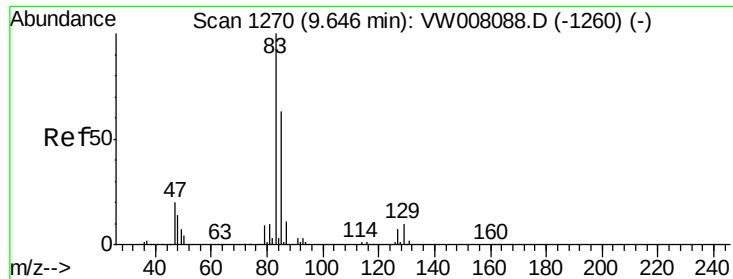


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





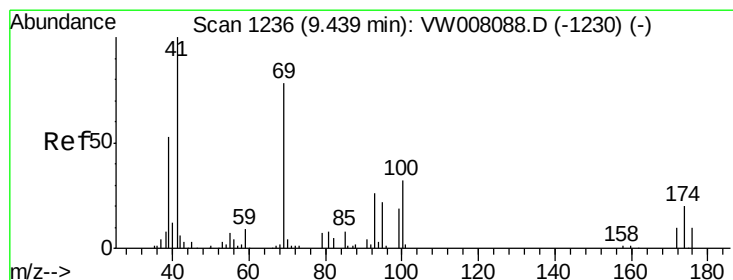
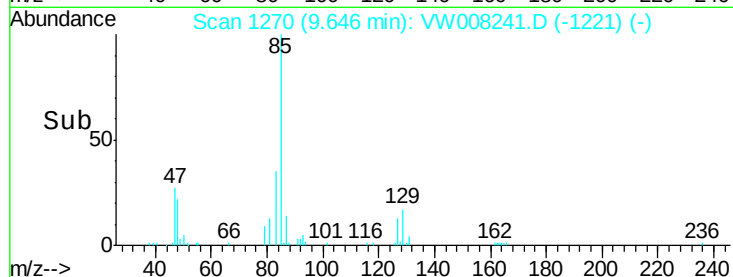
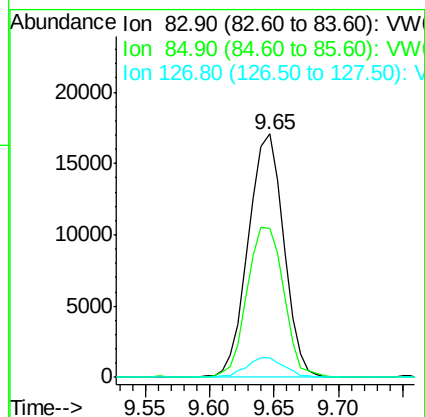
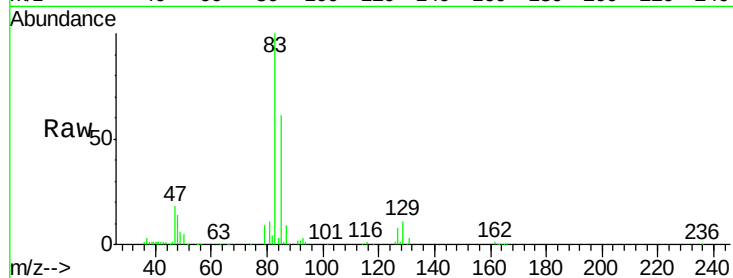
#47
Bromodichloromethane
Concen: 21.419 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.1	50.7	76.1
127	8.2	6.0	9.0

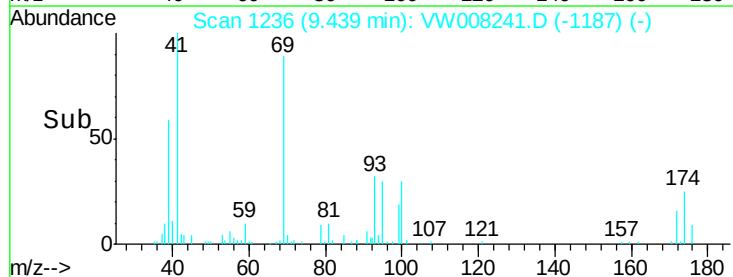
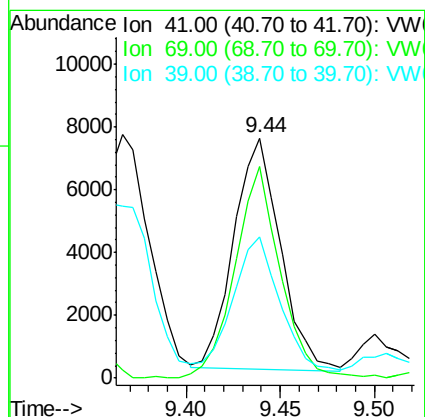
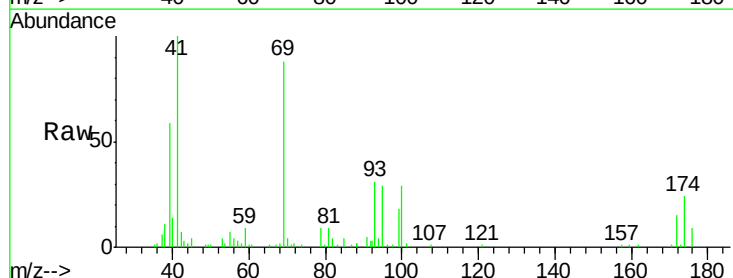
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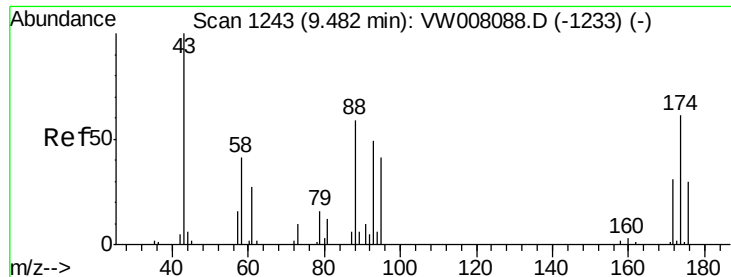
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#48
Methyl methacrylate
Concen: 18.328 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.3	61.9	92.9
39	56.4	43.0	64.4





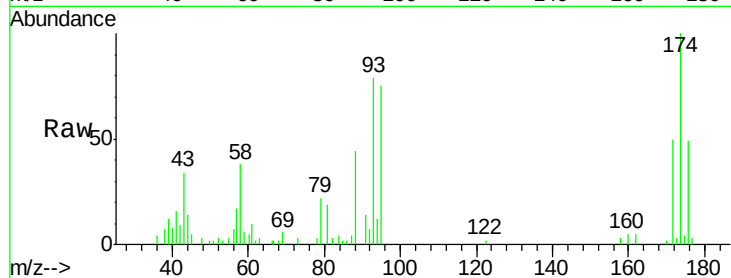
#49
 1,4-Dioxane
 Concen: 363.421 ug/l
 RT: 9.48 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	74.5	61.7	92.5

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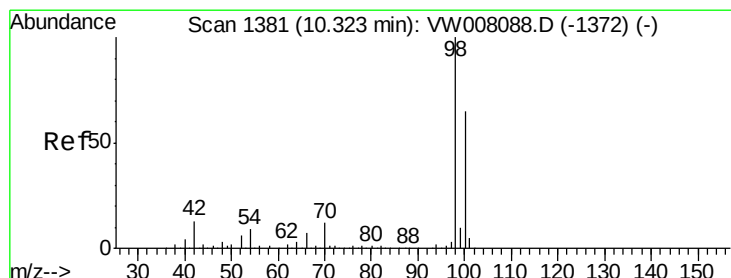
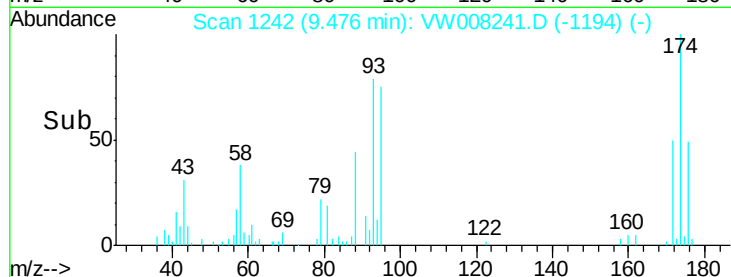
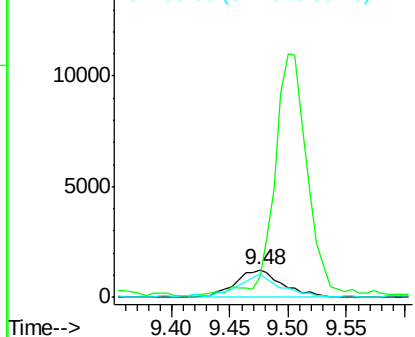


Abundance

Ion 88.00 (87.70 to 88.70): VW

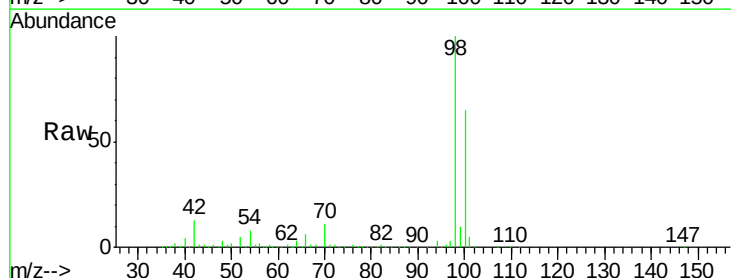
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
 Toluene-d8
 Concen: 45.277 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

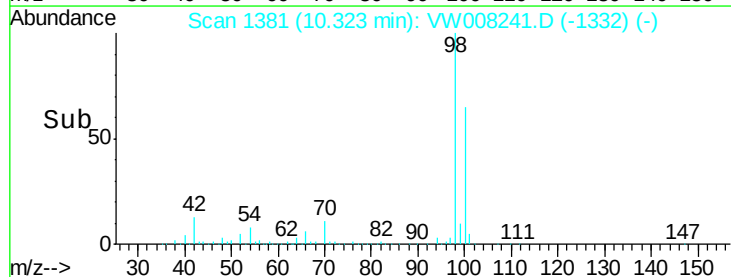
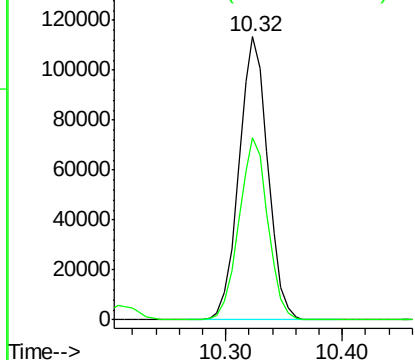
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5

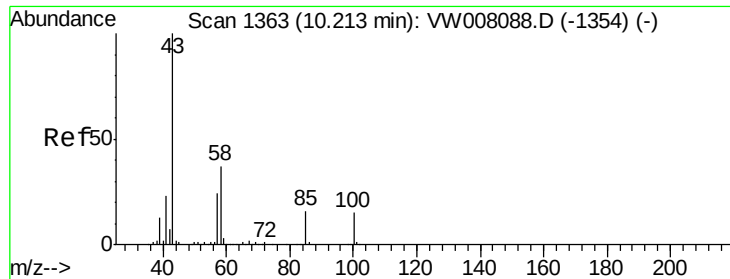


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





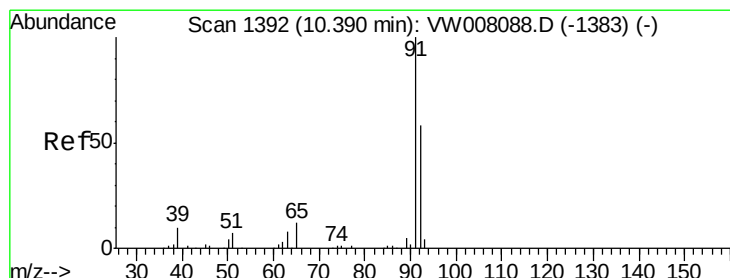
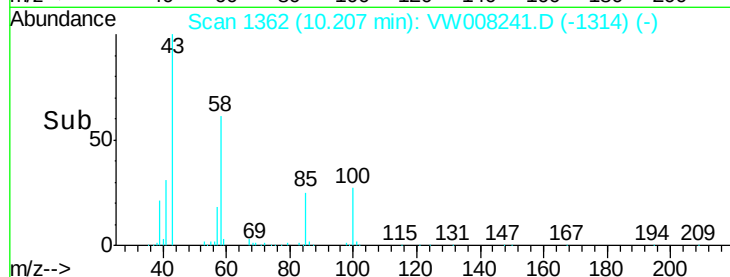
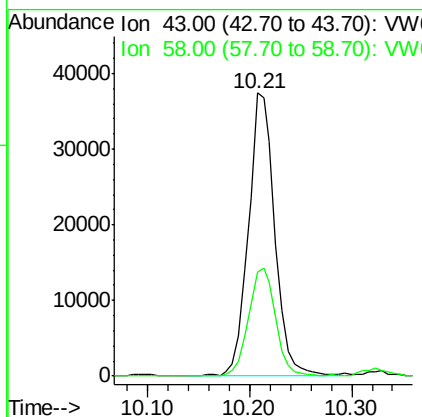
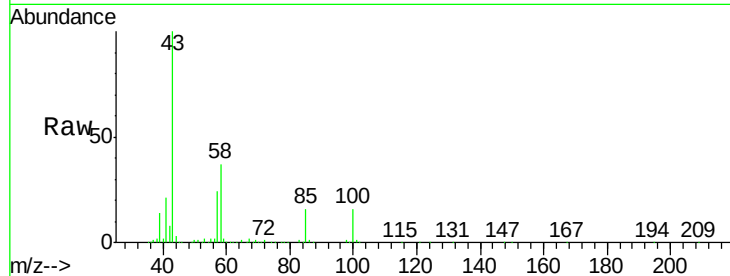
#51
4-Methyl-2-Pentanone
Concen: 95.320 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tot Ion: 43 Resp: 67089
Ion Ratio Lower Upper
43 100
58 39.4 30.6 46.0

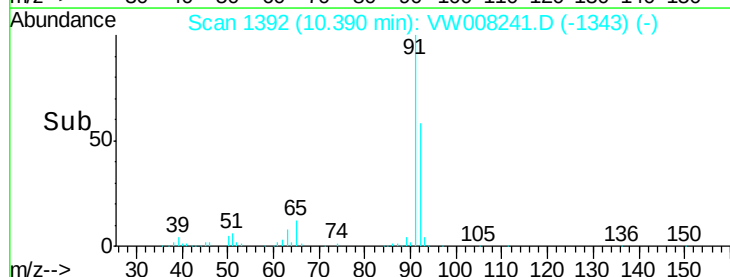
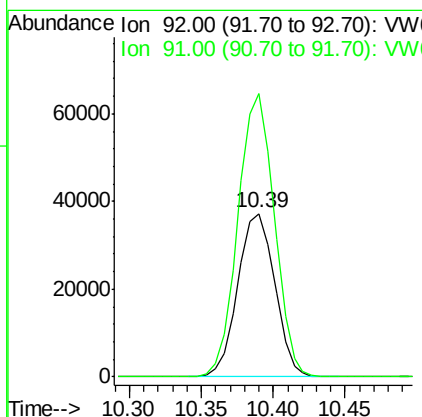
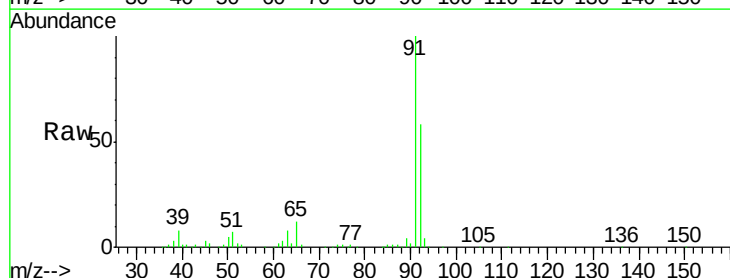
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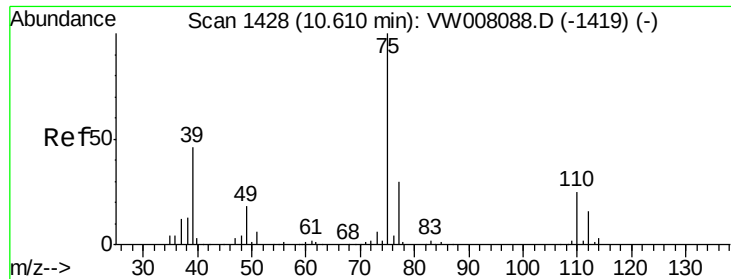
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#52
Toluene
Concen: 21.126 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 92 Resp: 66427
Ion Ratio Lower Upper
92 100
91 171.1 137.0 205.4





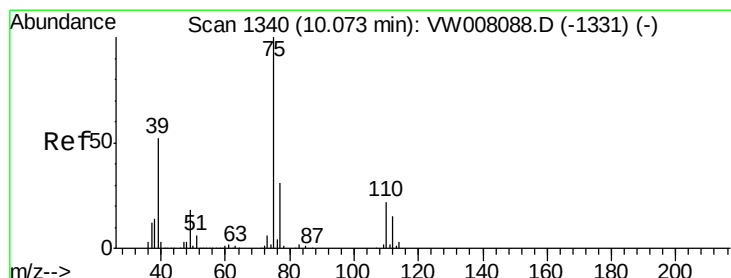
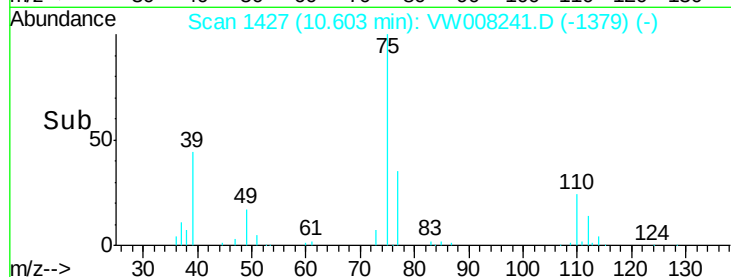
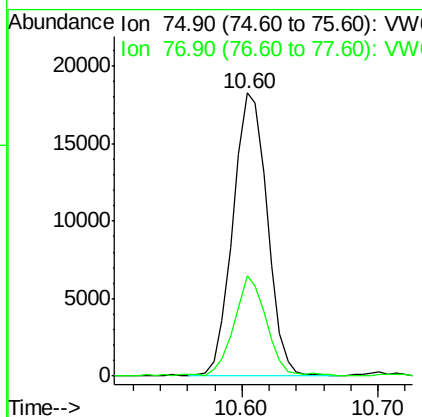
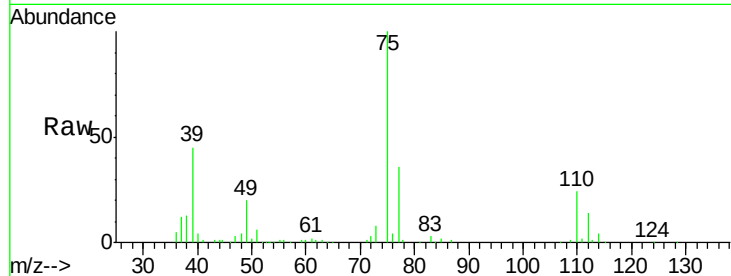
#53
t-1,3-Dichloropropene
Concen: 20.262 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.6	24.4	36.6

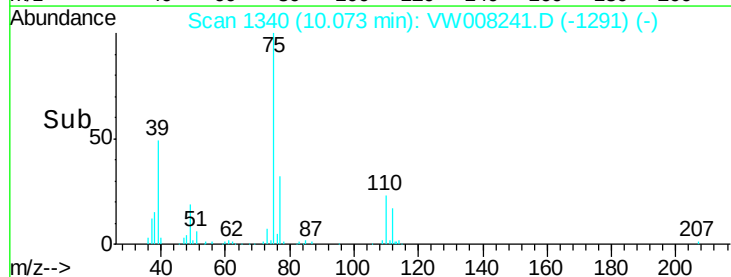
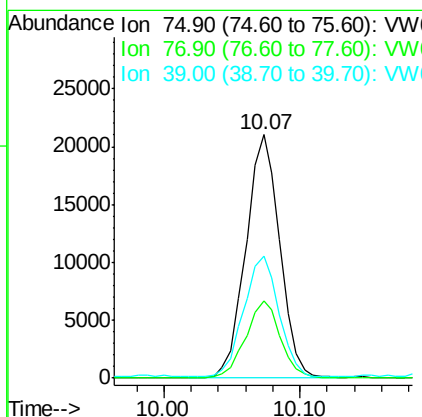
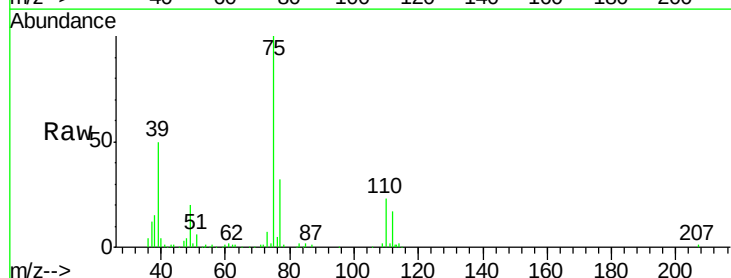
Manual Integrations
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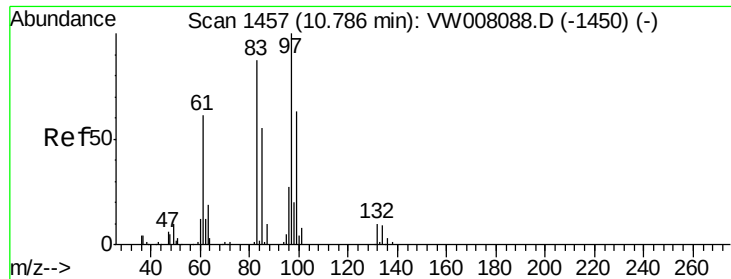
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#54
cis-1,3-Dichloropropene
Concen: 19.621 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.2	37.8
39	49.6	41.4	62.0





#55

1,1,2-Trichloroethane

Concen: 21.428 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

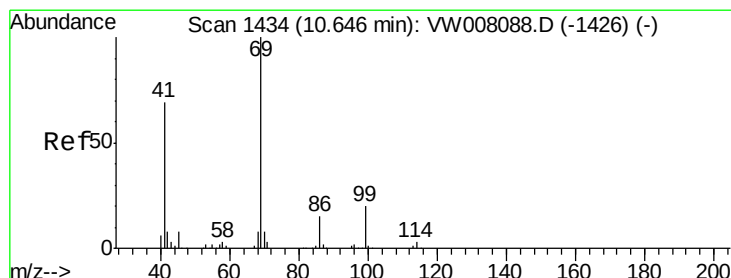
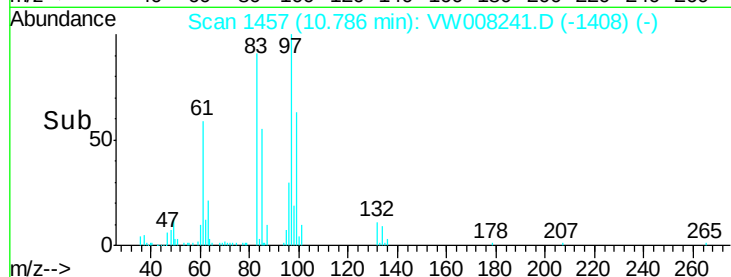
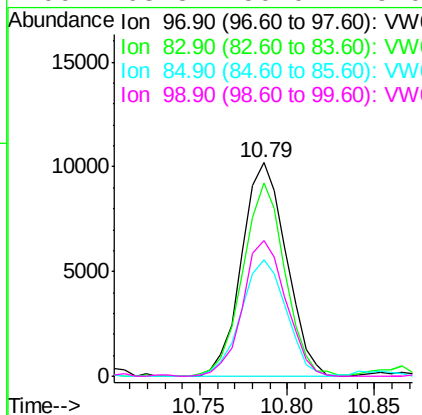
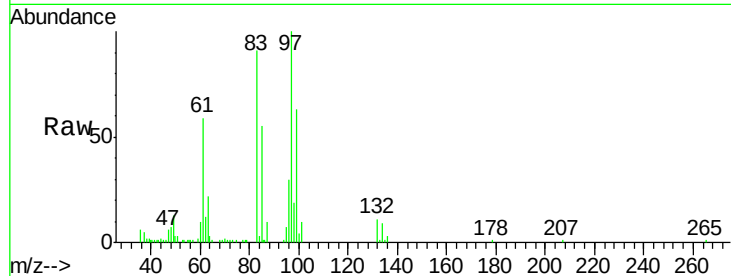
ClientSampleId :

VW0114SBSD01

Tot Ion:	97	Resp:	18037
Ion	Ratio	Lower	Upper
97	100		
83	90.6	69.3	103.9
85	54.8	43.8	65.6
99	63.3	50.0	75.0

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#56

Ethyl methacrylate

Concen: 19.746 ug/l

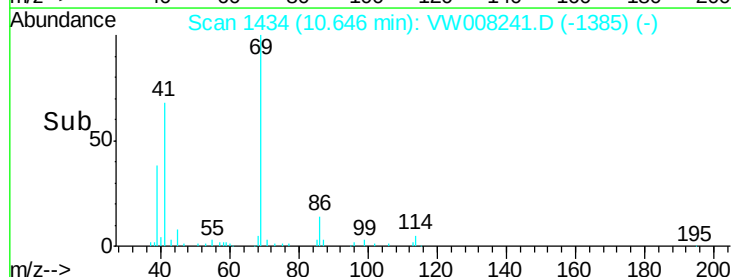
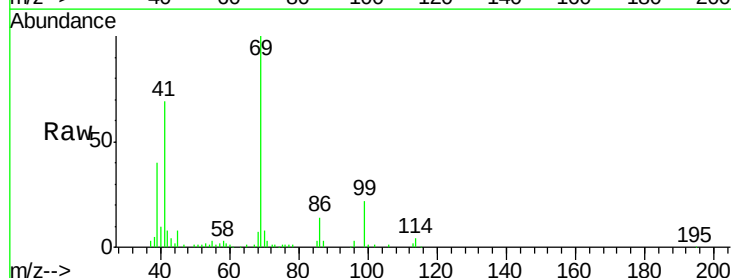
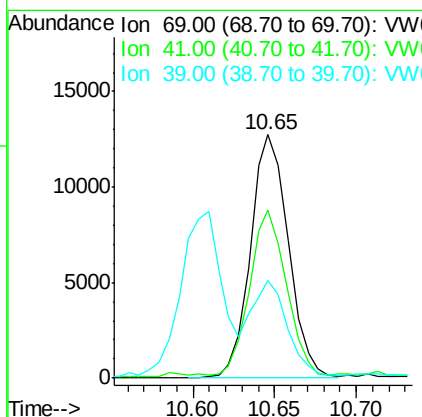
RT: 10.65 min Scan# 1434

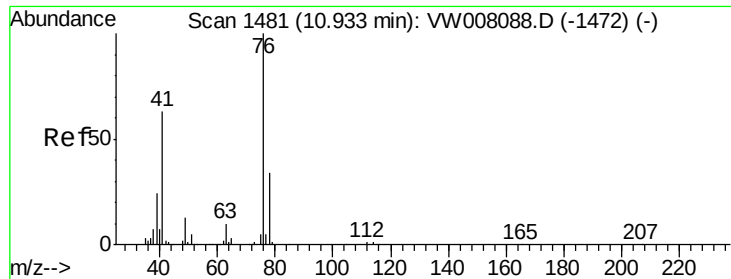
Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Tgt Ion:	69	Resp:	20584
Ion	Ratio	Lower	Upper
69	100		
41	65.4	56.4	84.6
39	36.7	28.1	42.1





#57

1,3-Dichloropropane

Concen: 20.066 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion: 76 Resp: 30891

Ion Ratio Lower Upper

76 100

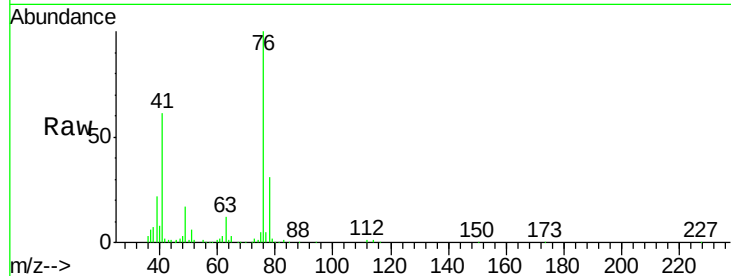
78 33.4 25.7 38.5

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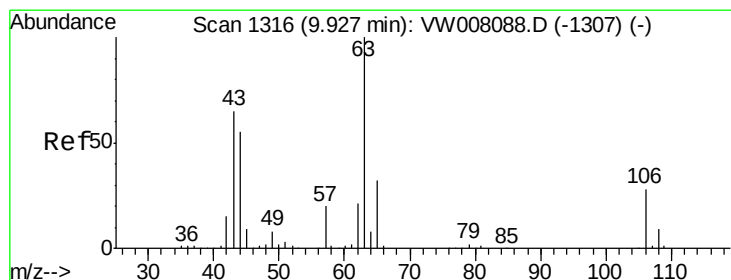
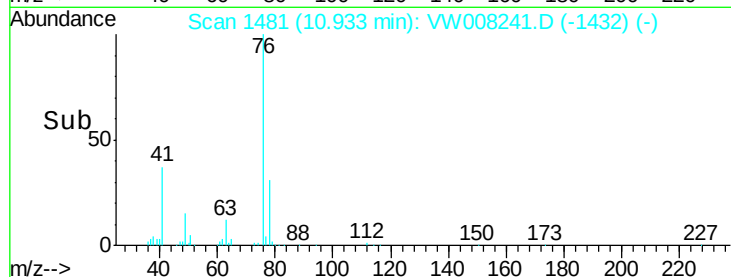
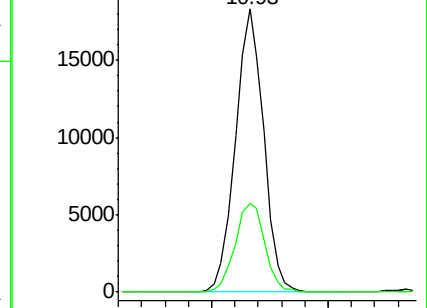
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 99.643 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW008241.D

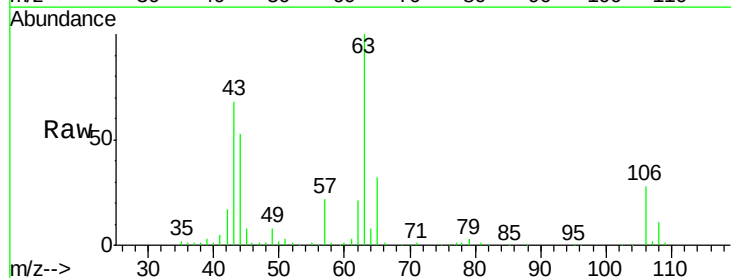
Acq: 14 Jan 2019 12:38

Tgt Ion: 63 Resp: 53655

Ion Ratio Lower Upper

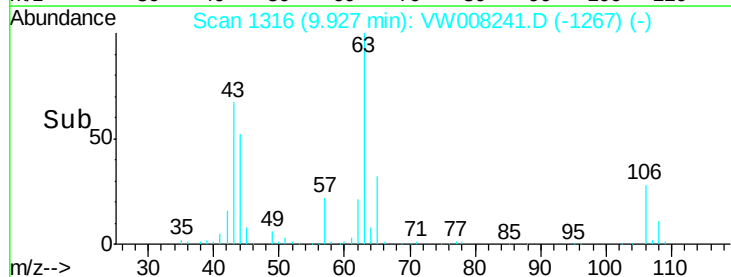
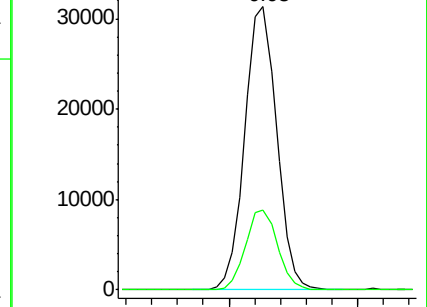
63 100

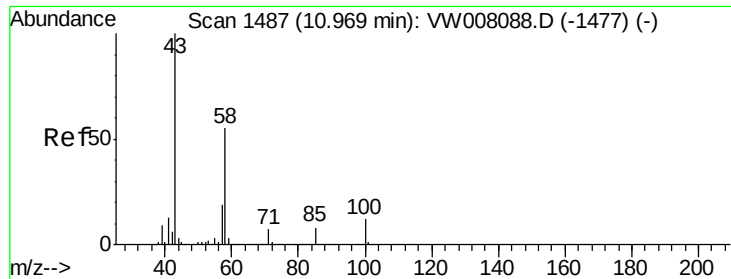
106 28.3 21.8 32.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





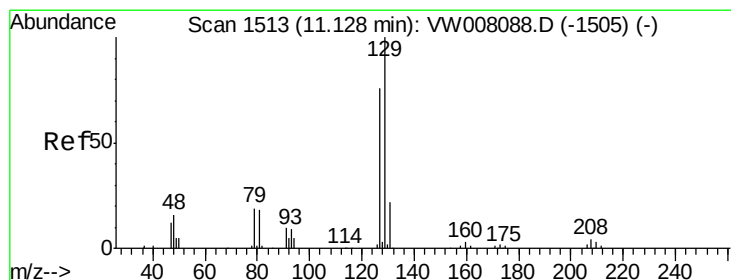
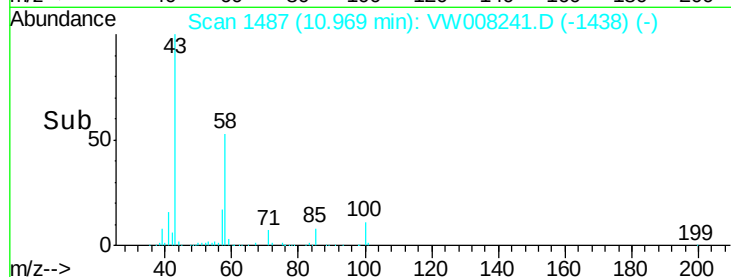
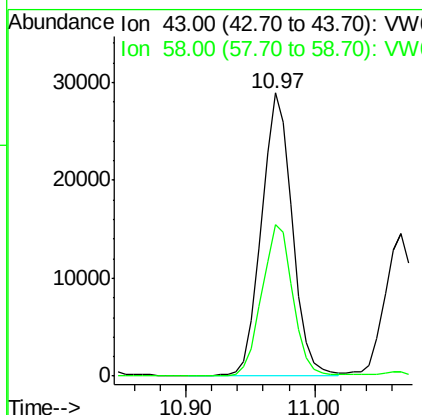
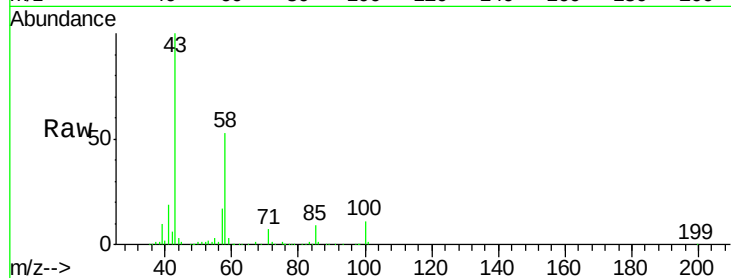
#59
2-Hexanone
Concen: 99.693 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tot Ion: 43 Resp: 47450
Ion Ratio Lower Upper
43 100
58 54.7 27.2 81.5

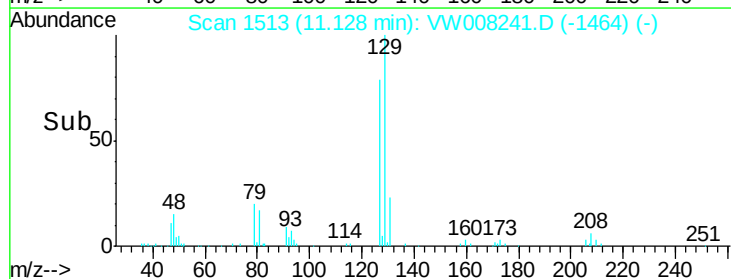
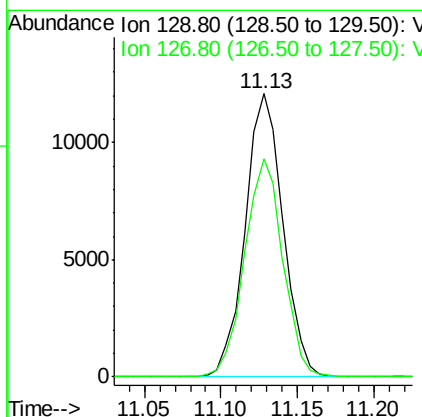
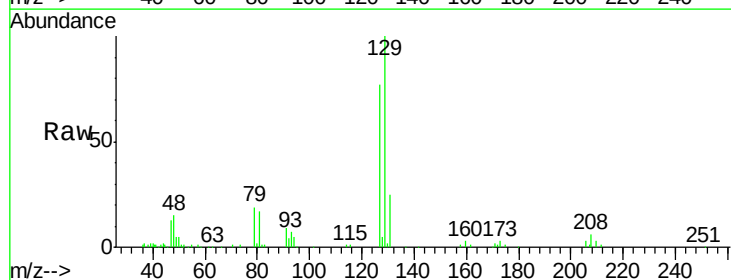
Manual Integrations
APPROVED

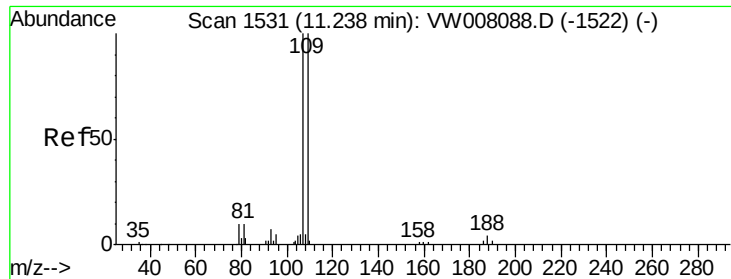
apatel
1/15/2019 2:08:41 PM



#60
Dibromochloromethane
Concen: 22.406 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion:129 Resp: 20711
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.799 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion: 107 Resp: 16612

Ion Ratio Lower Upper

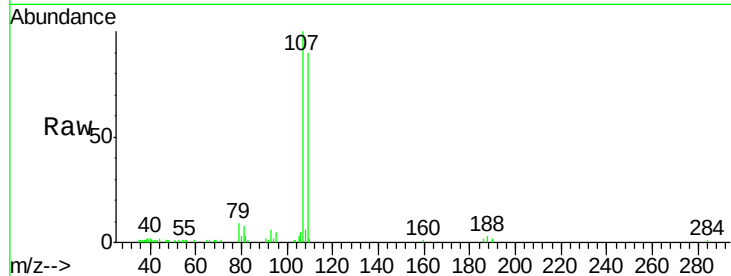
107 100

109 95.6 75.9 113.9

Manual Integrations
APPROVED

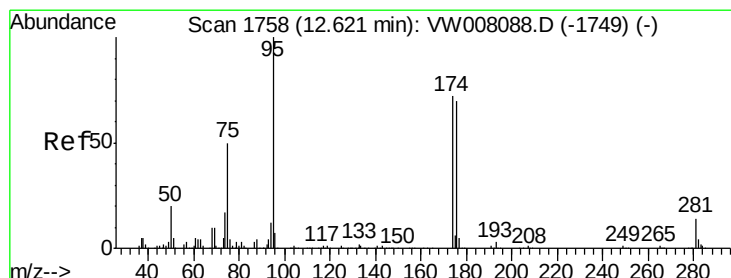
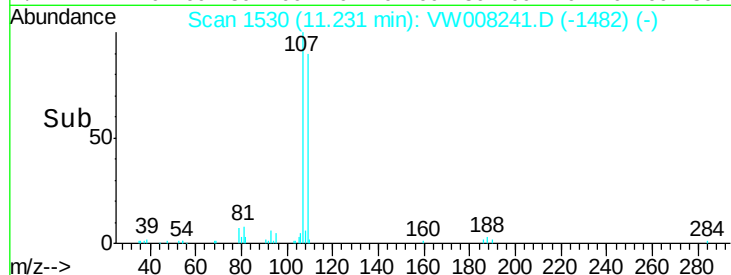
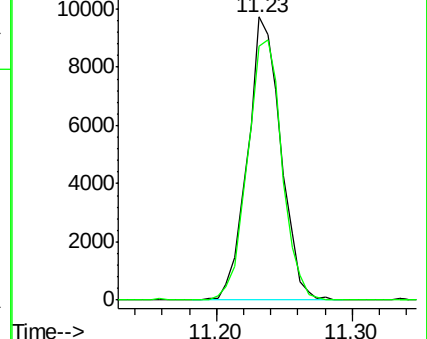
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.825 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

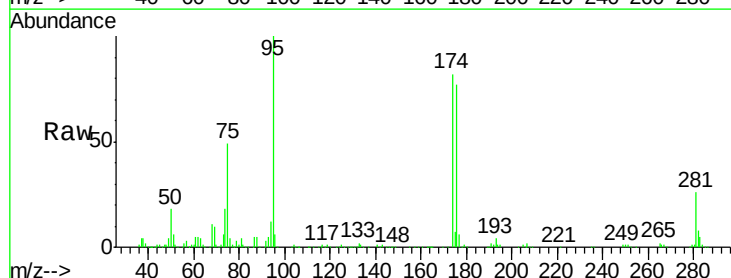
Tgt Ion: 95 Resp: 67761

Ion Ratio Lower Upper

95 100

174 81.0 0.0 143.0

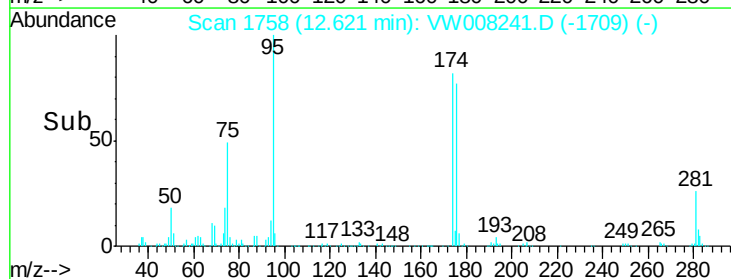
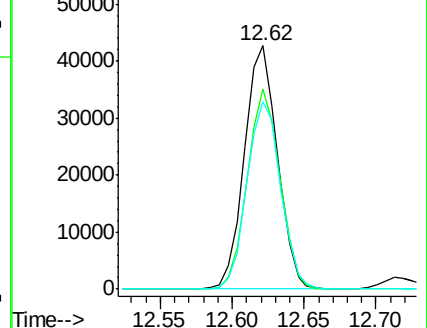
176 78.2 0.0 140.2

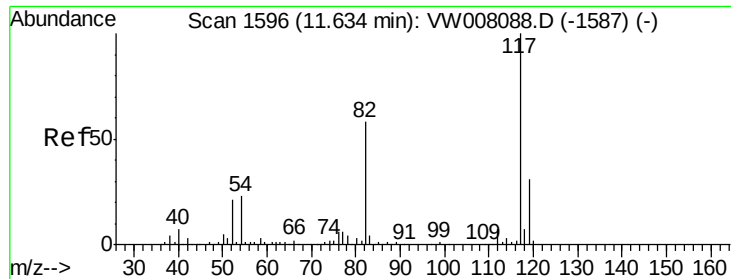


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





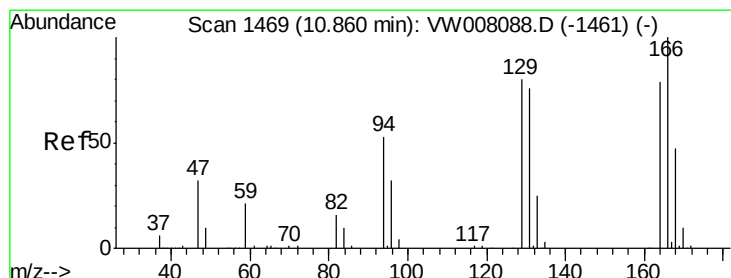
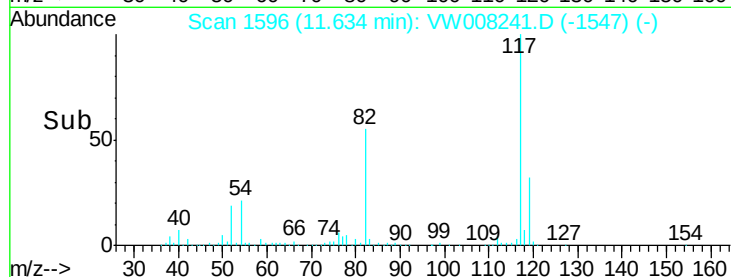
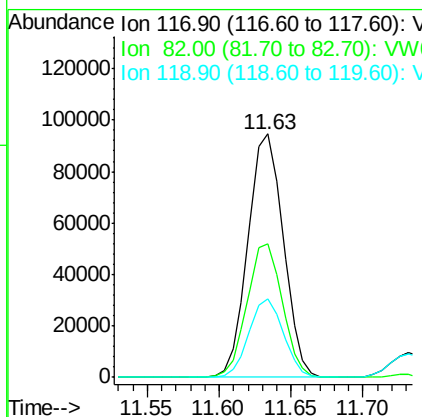
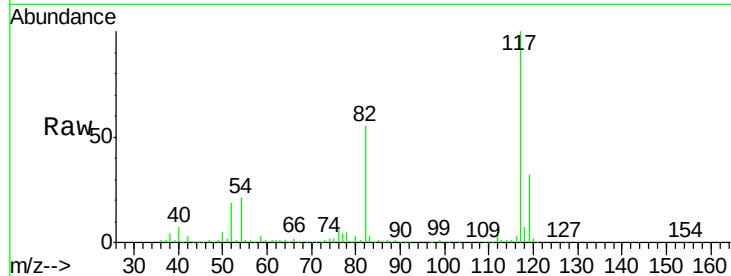
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	46.4	69.6
119	32.3	24.7	37.1

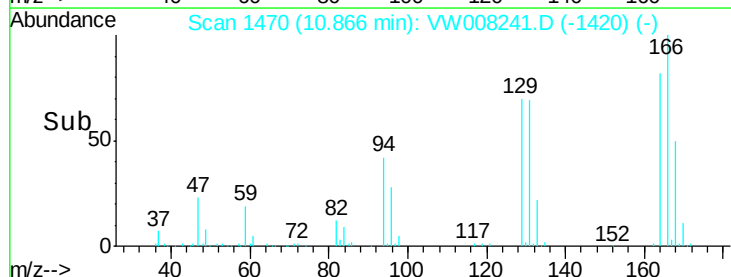
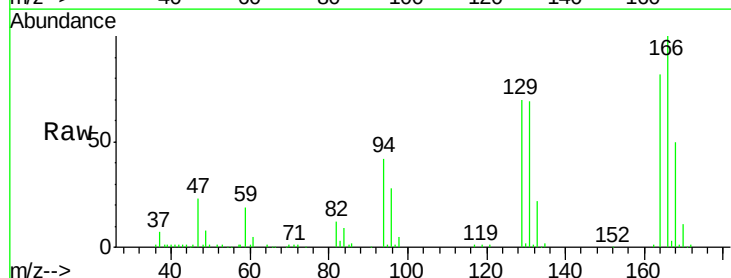
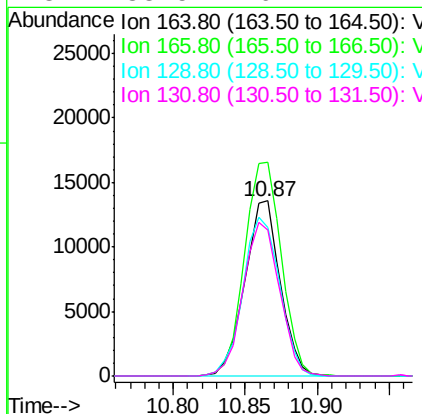
Manual Integrations
APPROVED

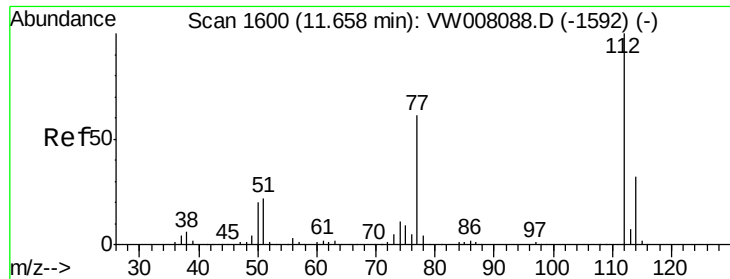
apatel
1/15/2019 2:08:41 PM



#64
Tetrachloroethene
Concen: 22.073 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	100.7	151.1
129	84.9	81.0	121.4
131	83.5	76.1	114.1





#65

Chlorobenzene

Concen: 20.929 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion:112 Resp: 71166

Ion Ratio Lower Upper

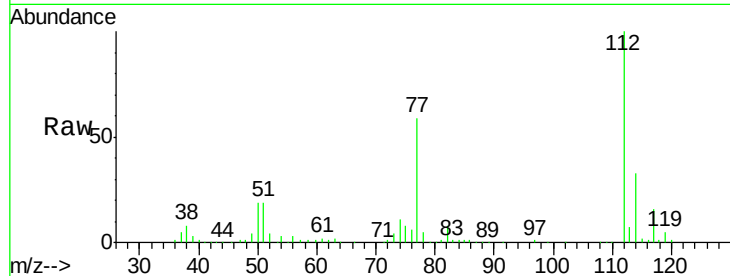
112 100

114 32.9 25.6 38.4

Manual Integrations
APPROVED

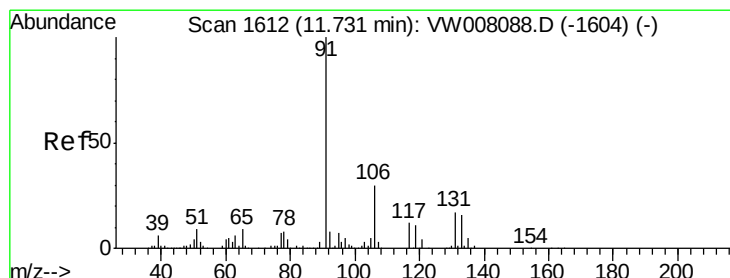
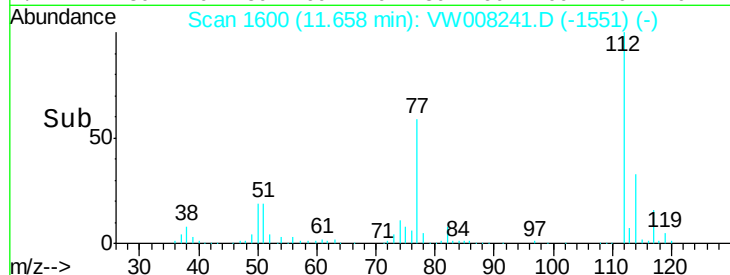
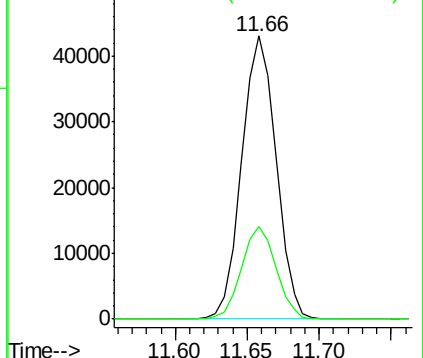
apatel

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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: 21.243 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

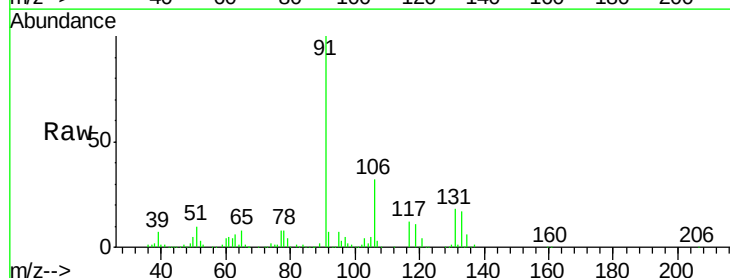
Tgt Ion:131 Resp: 23494

Ion Ratio Lower Upper

131 100

133 101.1 47.9 143.7

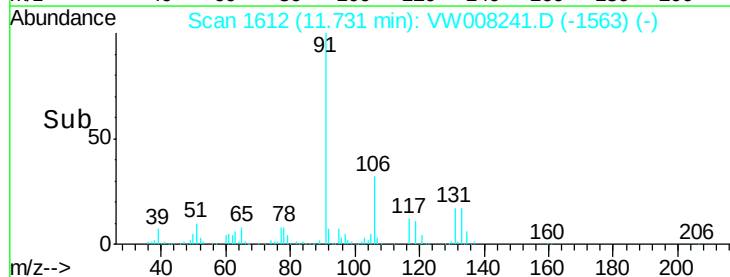
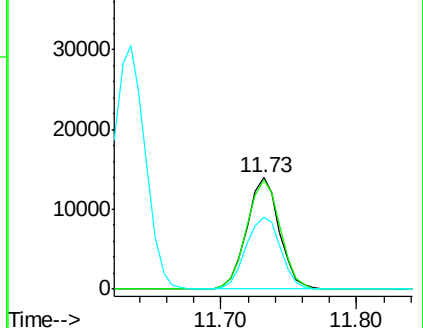
119 69.0 32.5 97.4

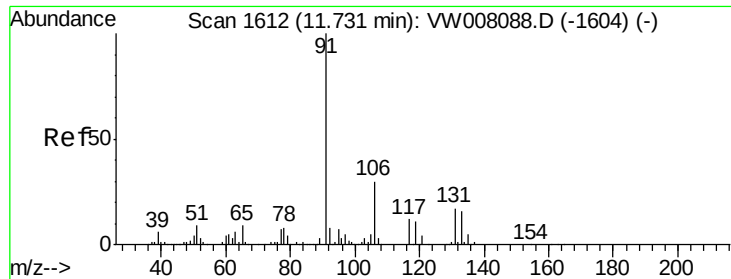


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





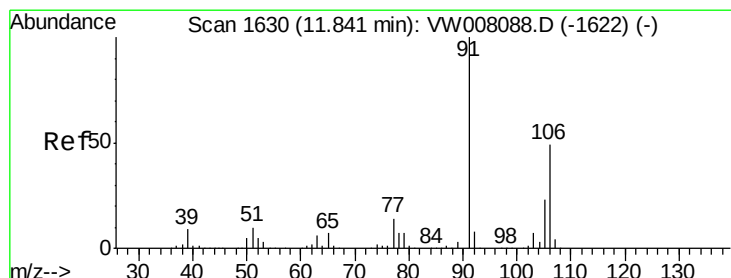
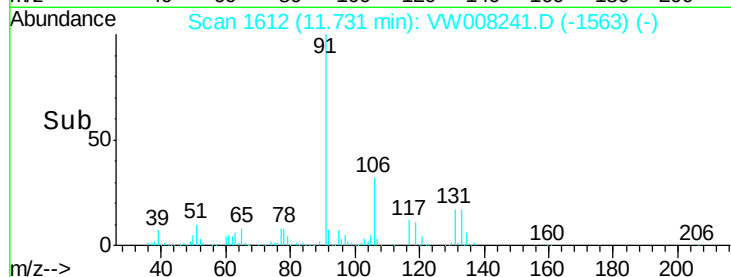
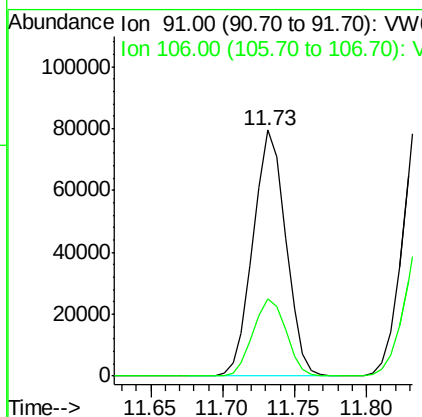
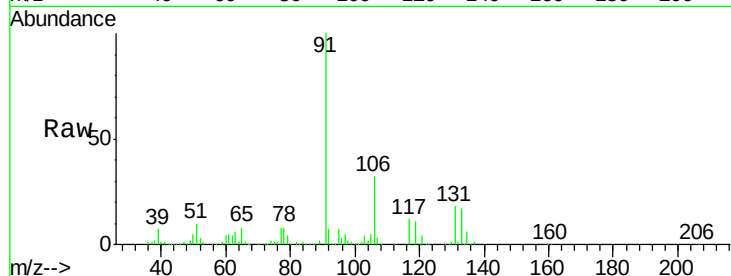
#67
Ethyl Benzene
Concen: 20.129 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampled :
VW0114SBSD01

Tot Ion: 91 Resp: 125239
Ion Ratio Lower Upper
91 100
106 31.7 24.2 36.4

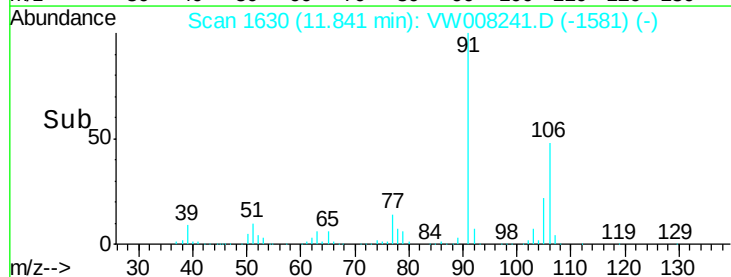
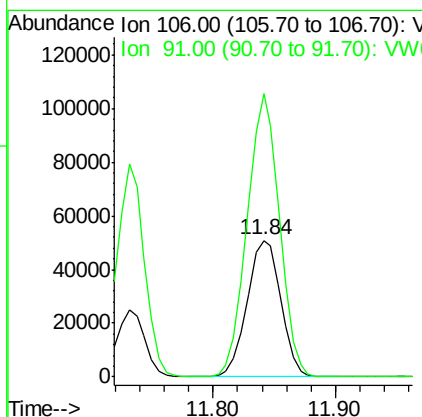
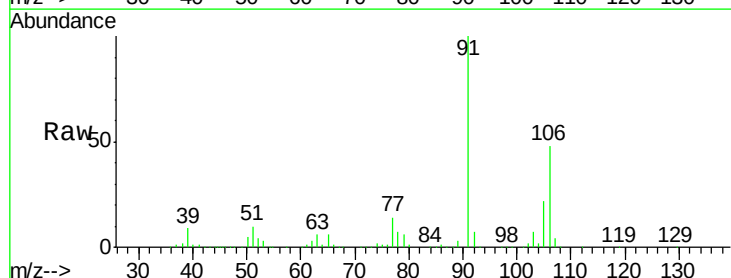
Manual Integrations
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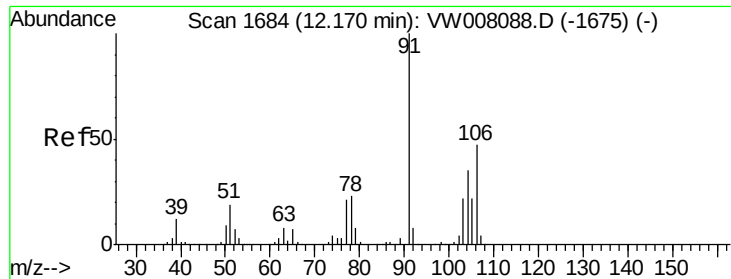
apatel
1/15/2019 2:08:41 PM



#68
m/p-Xylenes
Concen: 41.003 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 106 Resp: 97372
Ion Ratio Lower Upper
106 100
91 199.2 162.4 243.6





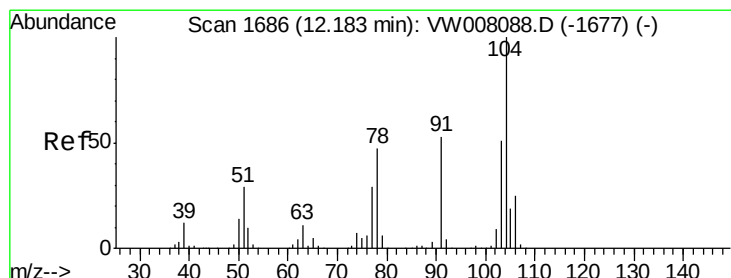
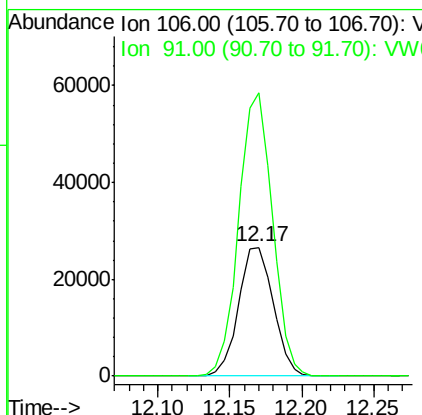
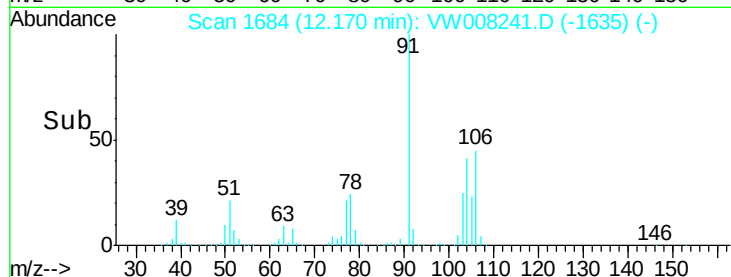
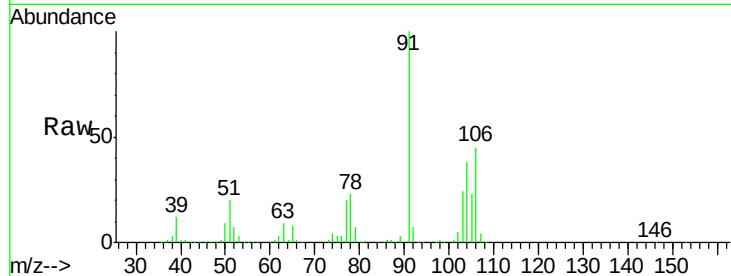
#69
o-Xylene
Concen: 20.254 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tot Ion:106 Resp: 44540
Ion Ratio Lower Upper
106 100
91 214.2 107.8 323.6

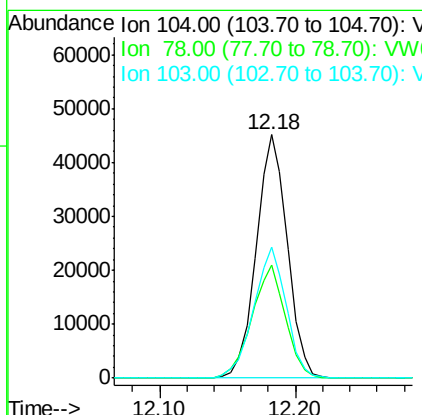
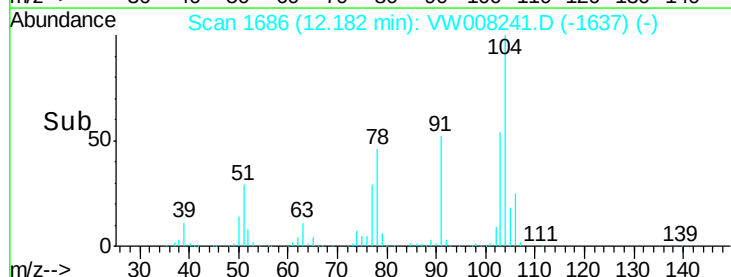
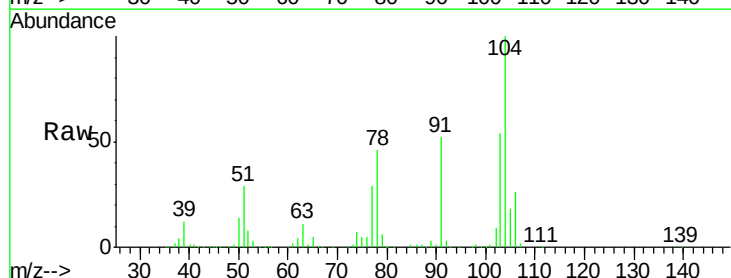
Manual Integrations
APPROVED

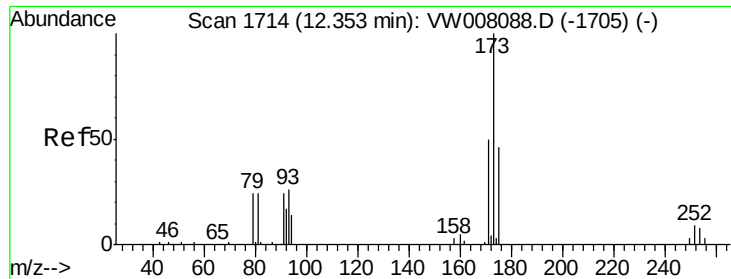
apatel
1/15/2019 2:08:41 PM



#70
Styrene
Concen: 21.044 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion:104 Resp: 72485
Ion Ratio Lower Upper
104 100
78 49.9 41.8 62.8
103 56.4 43.8 65.8





#71

Bromoform

Concen: 22.801 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion:173 Resp: 11286

Ion Ratio Lower Upper

173 100

175 49.5 23.3 69.8

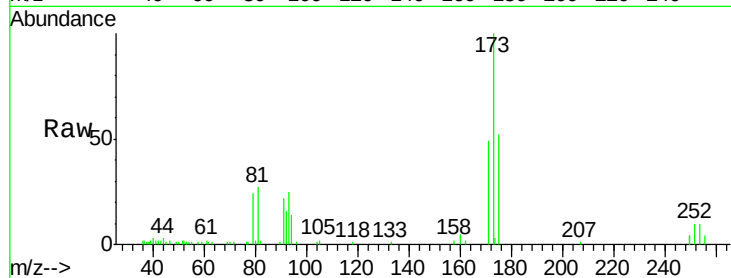
254 0.0 0.0 0.0

Manual Integrations

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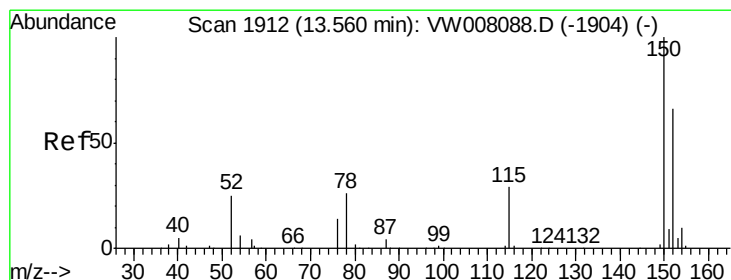
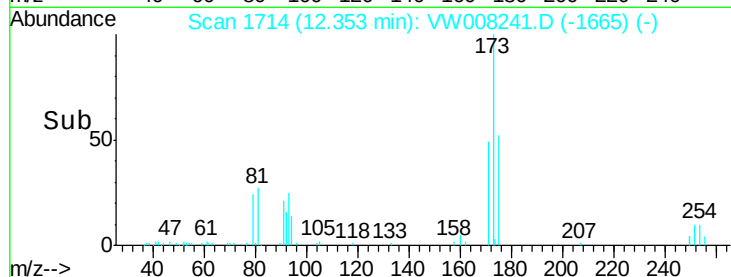
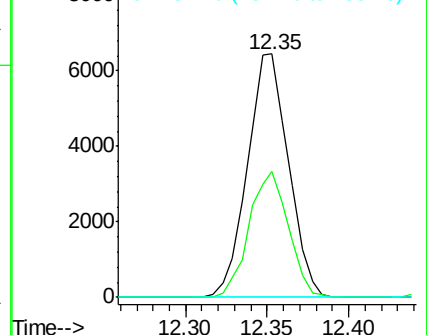
1/15/2019 2:08:41 PM



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: VW008241.D

Acq: 14 Jan 2019 12:38

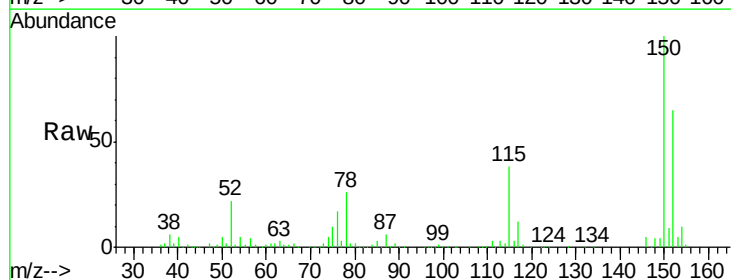
Tgt Ion:152 Resp: 82131

Ion Ratio Lower Upper

152 100

115 58.6 30.8 92.4

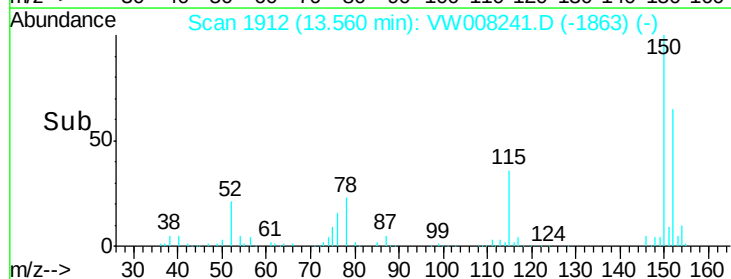
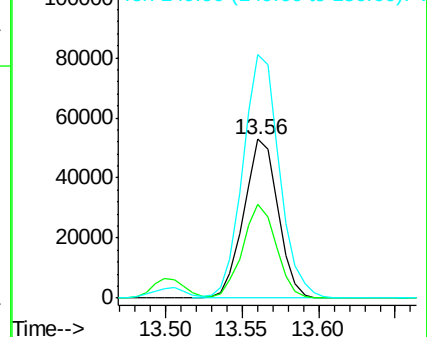
150 163.3 0.0 350.2

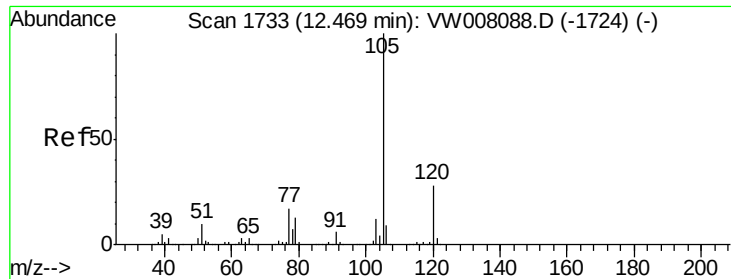


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





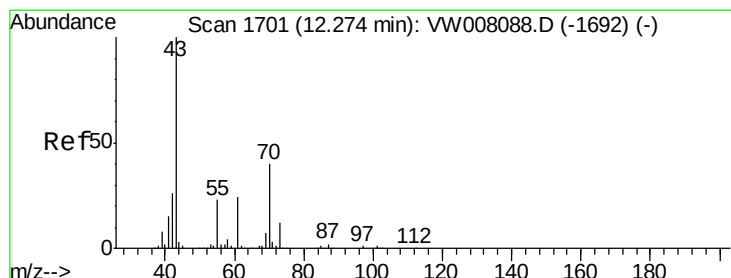
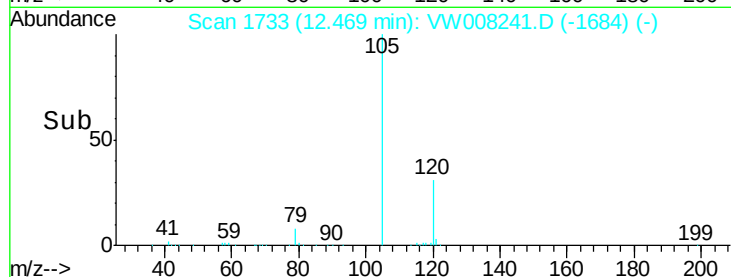
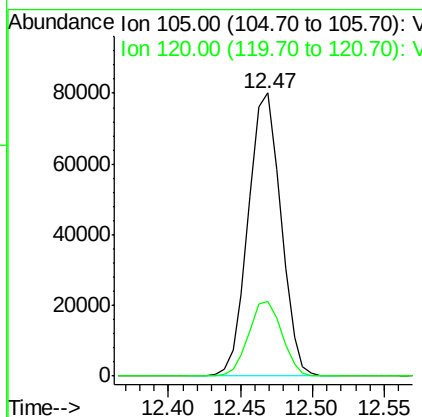
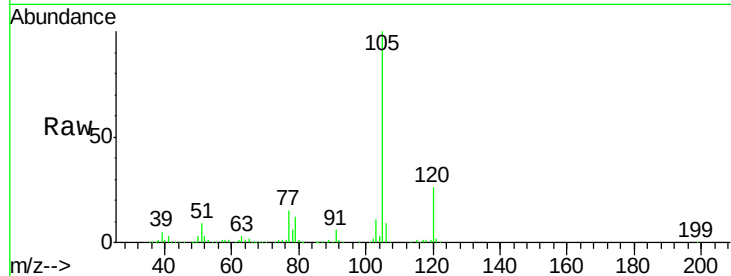
#73
Isopropylbenzene
Concen: 19.492 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tot Ion:105 Resp: 125687
Ion Ratio Lower Upper
105 100
120 26.9 13.6 40.8

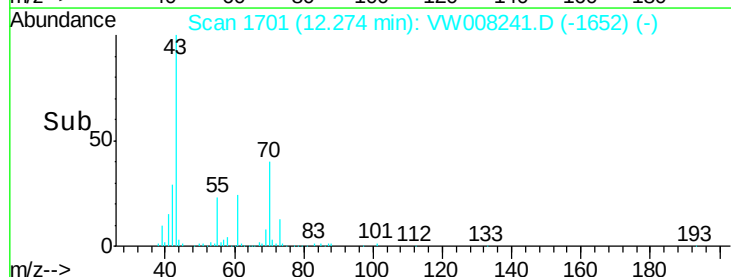
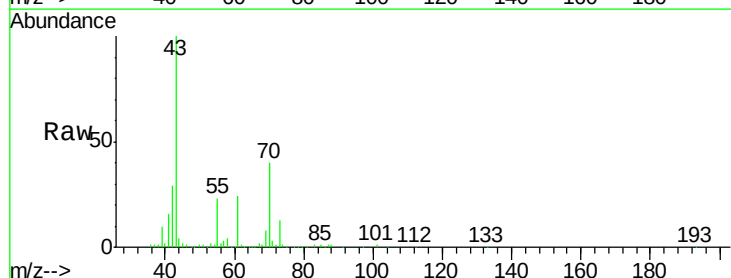
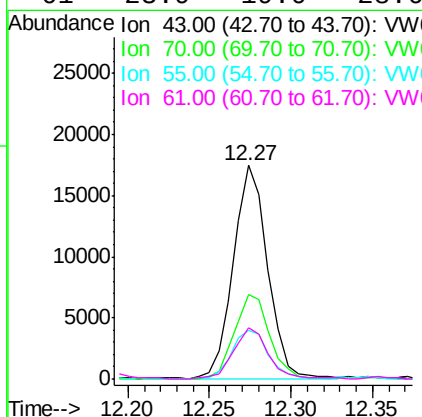
Manual Integrations
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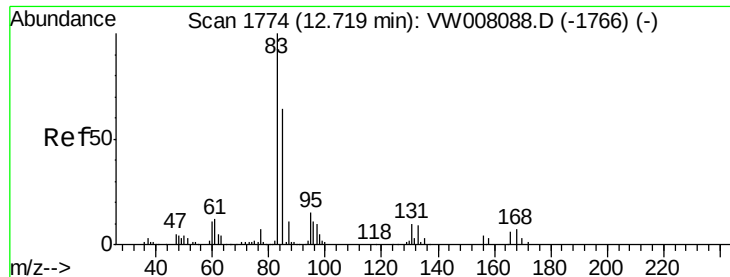
apatel
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#74
N-ethyl acetate
Concen: 17.949 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion: 43 Resp: 25630
Ion Ratio Lower Upper
43 100
70 40.9 32.4 48.6
55 24.6 18.7 28.1
61 23.9 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.310 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

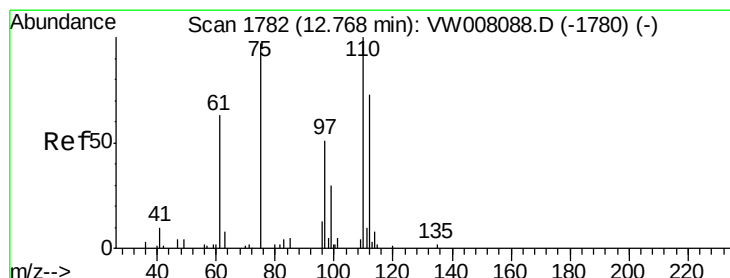
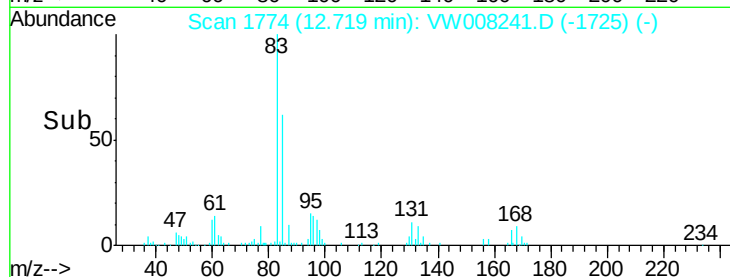
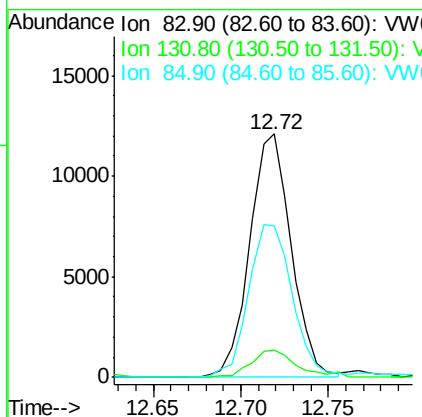
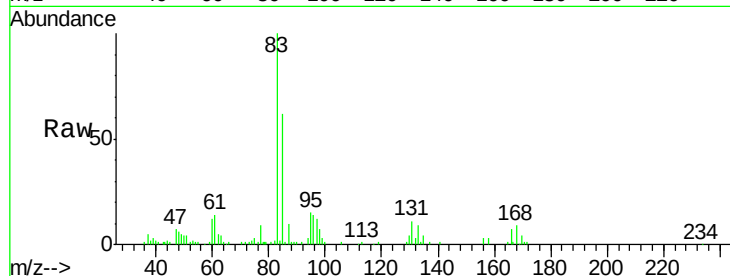
VW0114SBSD01

Tot Ion:	83	Resp:	19930
Ion	Ratio	Lower	Upper
83	100		
131	12.3	5.3	16.1
85	66.6	32.4	97.2

Manual Integrations
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apatel

1/15/2019 2:08:41 PM



#76

1,2,3-Trichloropropane

Concen: 19.137 ug/l m

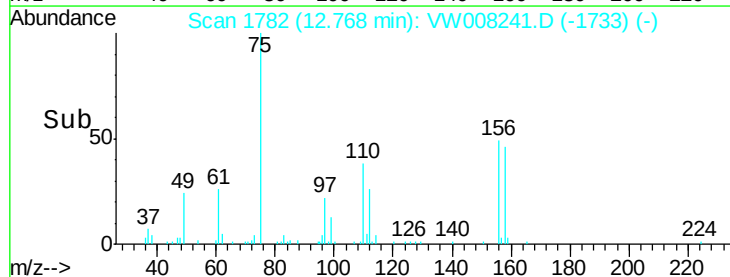
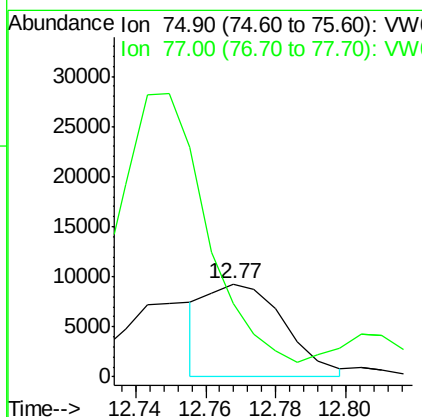
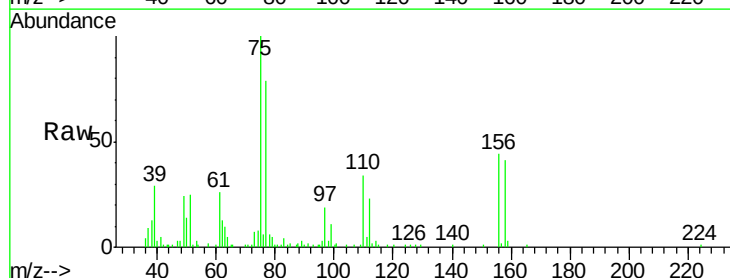
RT: 12.77 min Scan# 1782

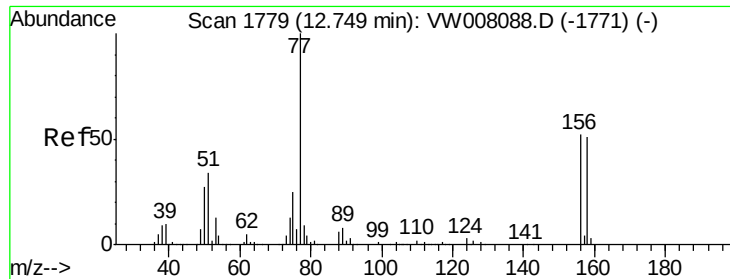
Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Tgt Ion:	75	Resp:	14328
Ion	Ratio	Lower	Upper
75	100		
77	362.9	179.4	538.2





#77

Bromobenzene

Concen: 20.957 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

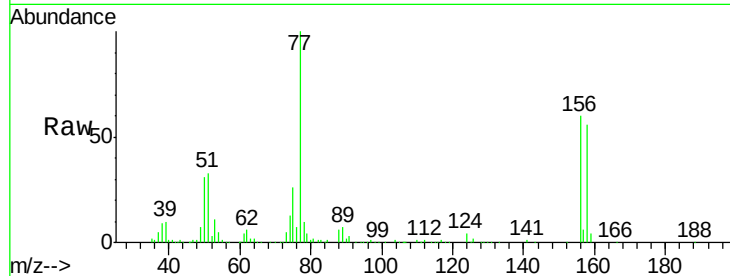
ClientSampleId :

VW0114SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		28553		
77	182.1	104.2	312.5		
158	96.7	47.9	143.6		

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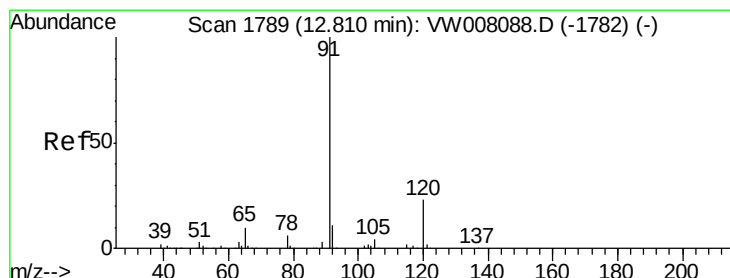
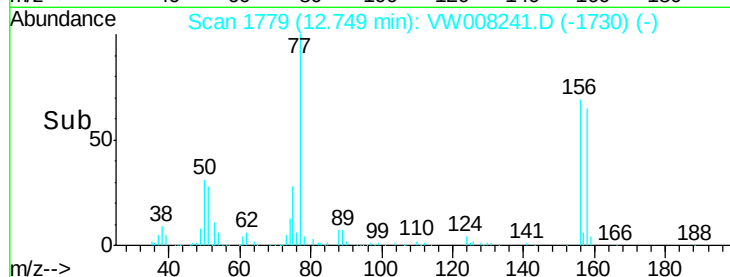
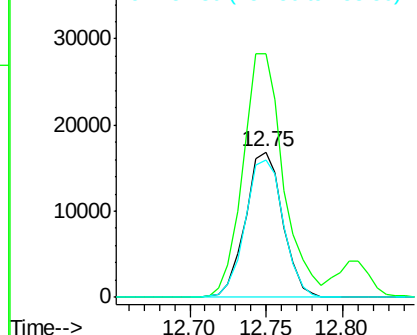
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.375 ug/l

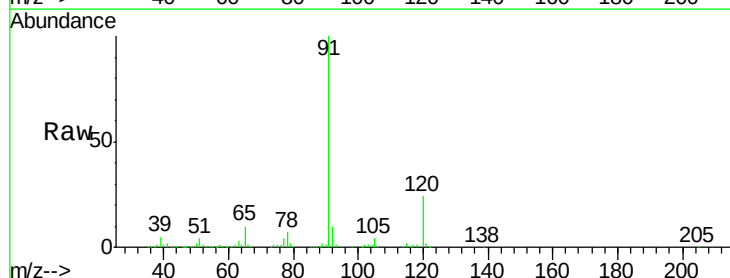
RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008241.D

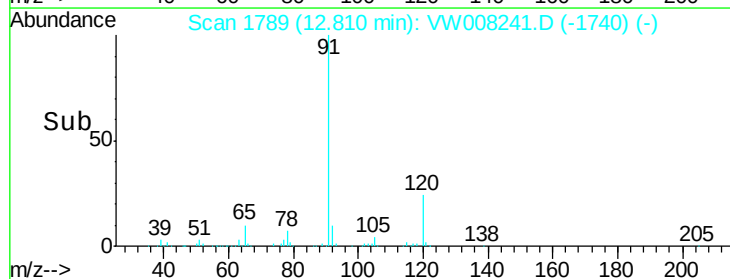
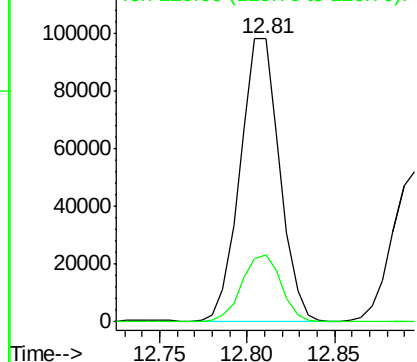
Acq: 14 Jan 2019 12:38

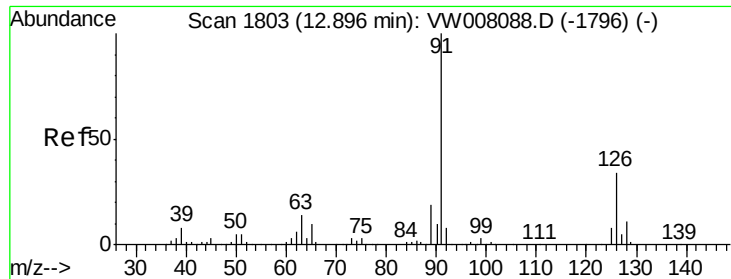
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		153072		
120	23.8	11.3	33.8		



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.225 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampled :

VW0114SBSD01

Tot Ion: 91 Resp: 84742

Ion Ratio Lower Upper

91 100

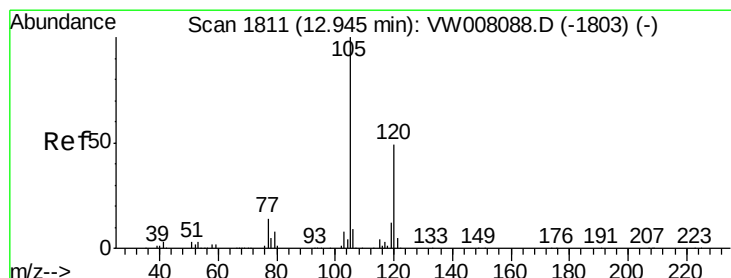
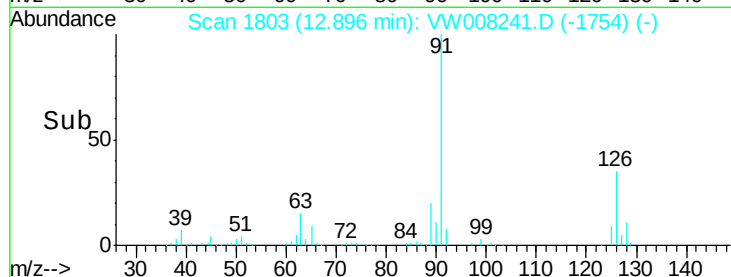
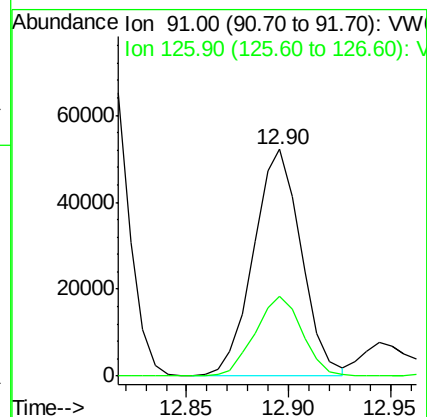
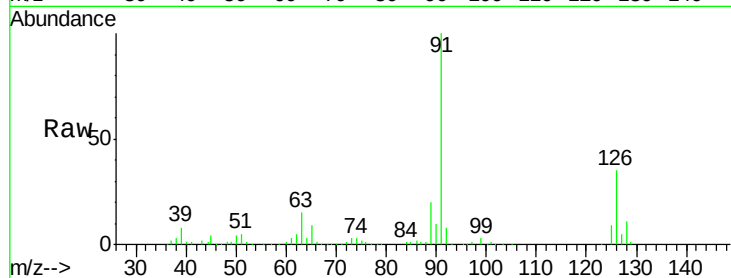
126 34.8 16.8 50.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.759 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008241.D

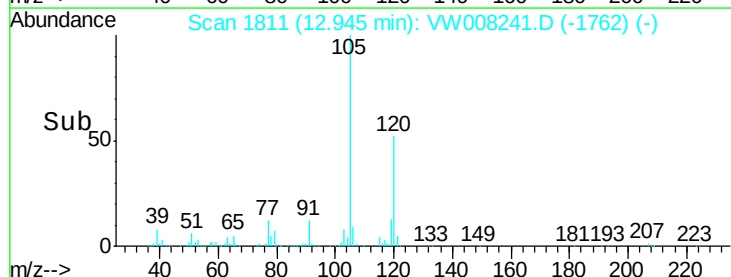
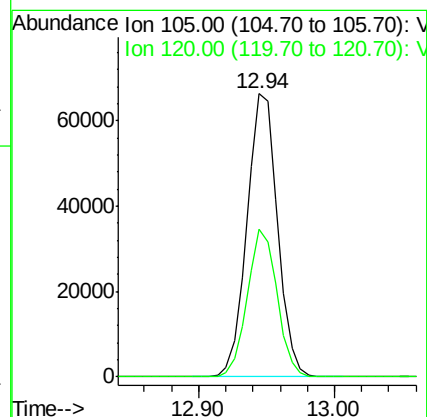
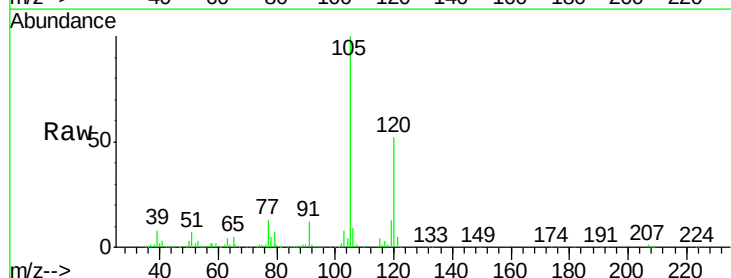
Acq: 14 Jan 2019 12:38

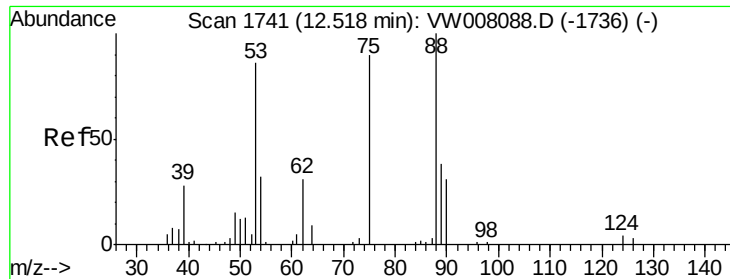
Tgt Ion:105 Resp: 104697

Ion Ratio Lower Upper

105 100

120 50.9 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.982 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

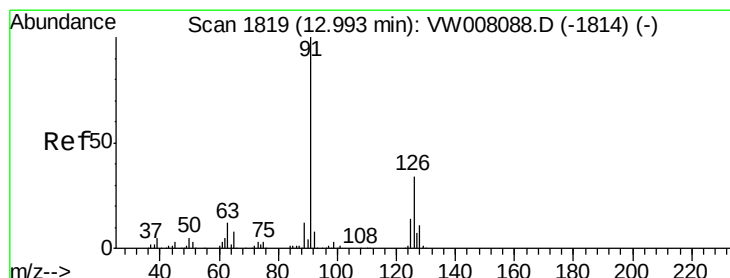
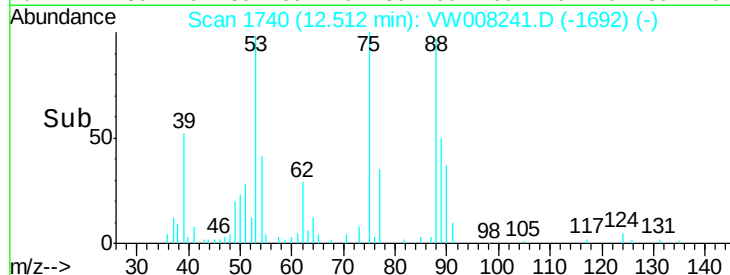
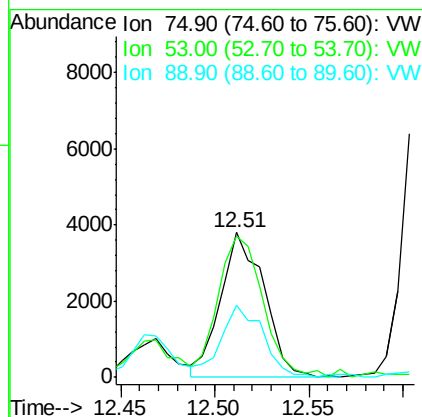
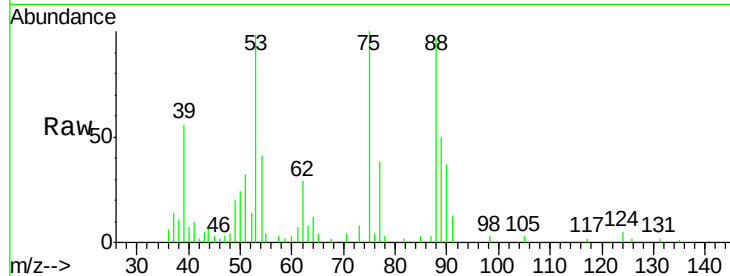
ClientSampleId :

VW0114SBSD01

Tot Ion:	75	Resp:	6103
Ion	Ratio	Lower	Upper
75	100		
53	101.1	78.8	118.2
89	47.6	35.4	53.2

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#82

4-Chlorotoluene

Concen: 19.290 ug/l

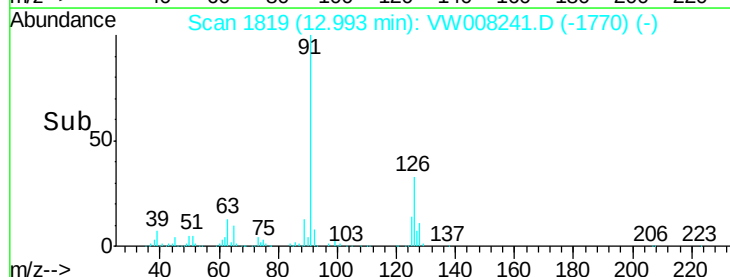
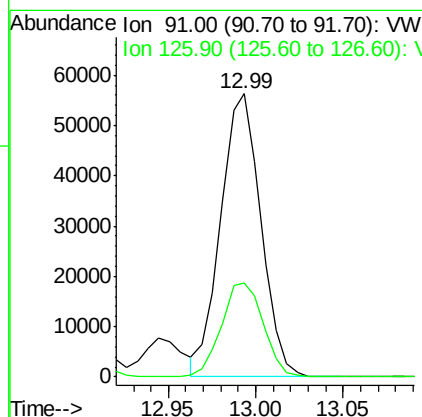
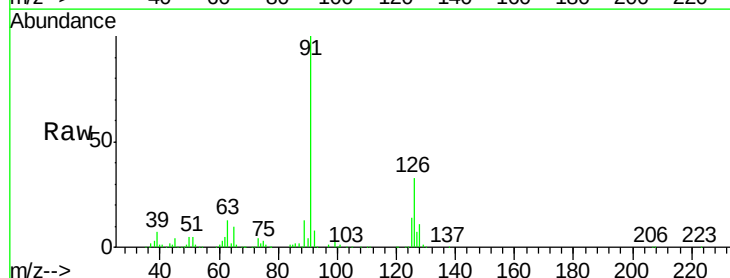
RT: 12.99 min Scan# 1819

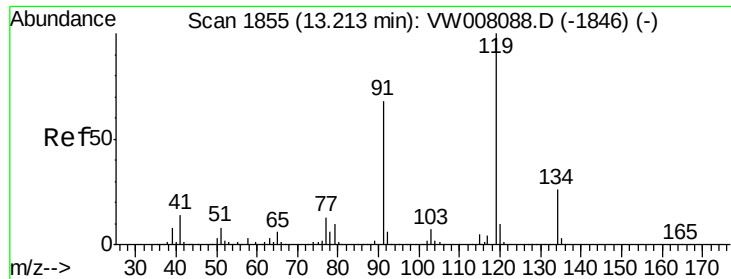
Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Tgt Ion:	91	Resp:	89551
Ion	Ratio	Lower	Upper
91	100		
126	34.7	16.5	49.5





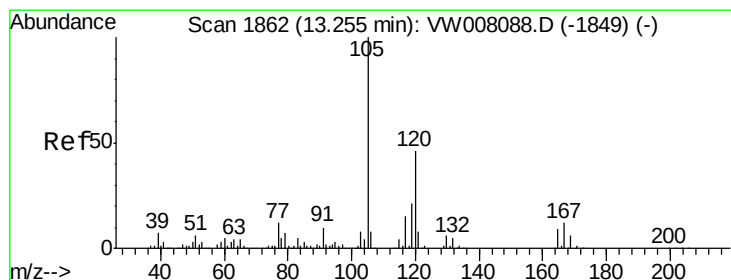
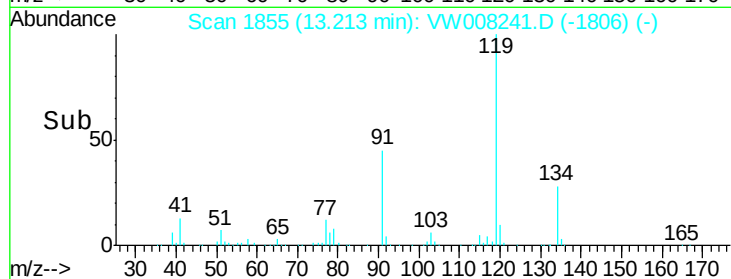
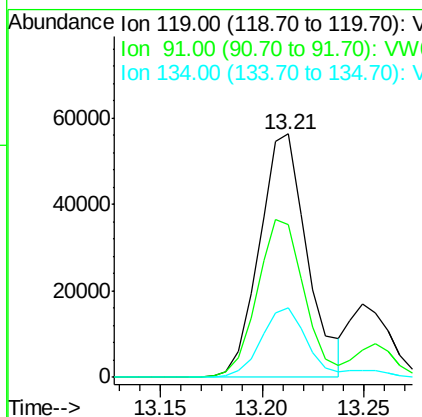
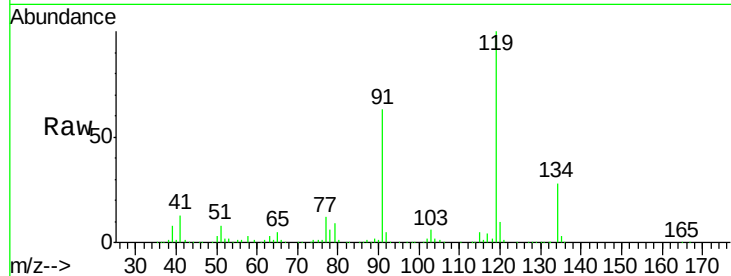
#83
 tert-Butylbenzene
 Concen: 19.658 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	33.9	101.6
134	27.5	13.6	40.8

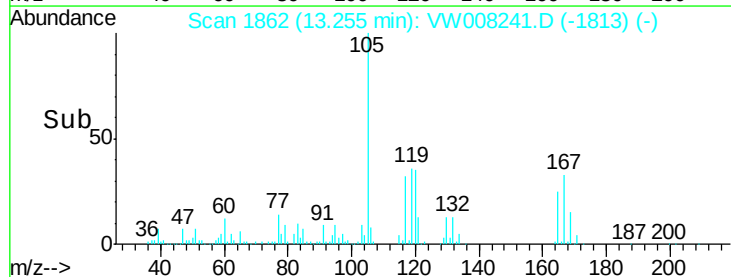
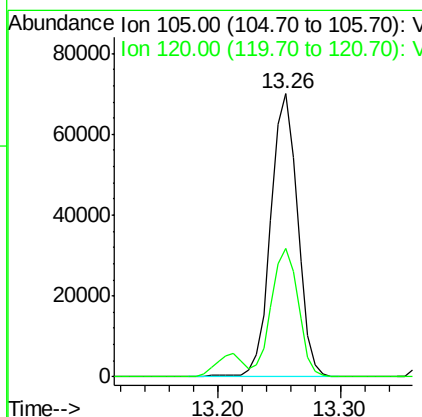
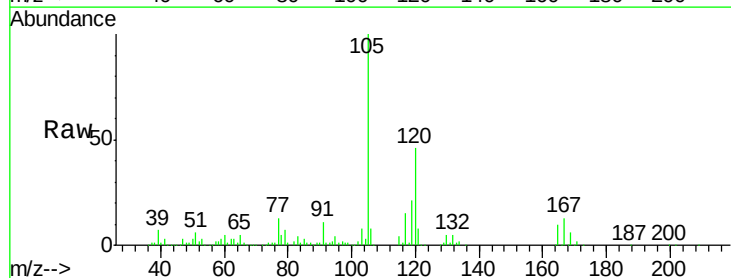
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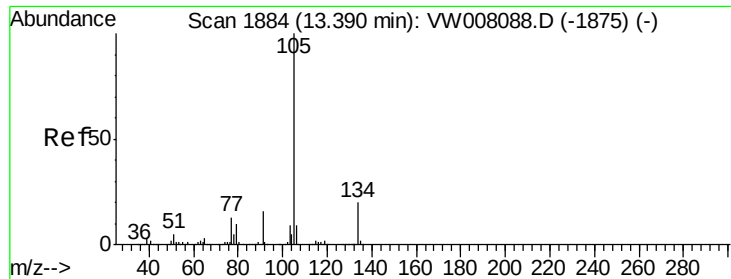
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.579 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.7	68.1





#85

sec-Butylbenzene

Concen: 19.182 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Instrument :

MSVOA_W

ClientSampleId :

VW0114SBSD01

Tot Ion:105 Resp: 131717

Ion Ratio Lower Upper

105 100

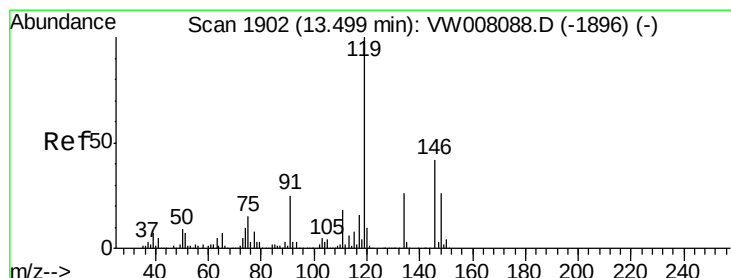
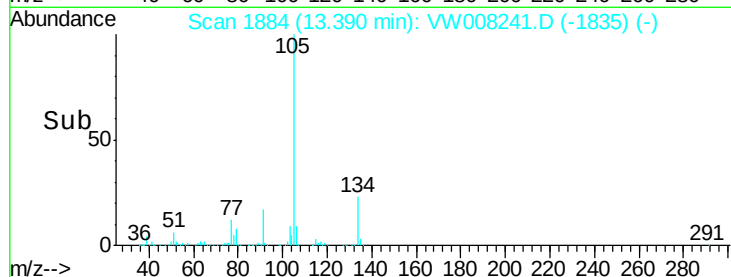
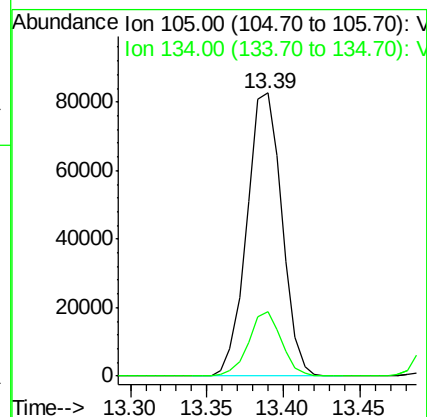
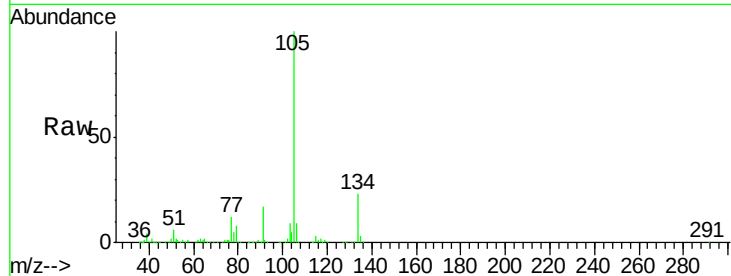
134 21.2 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 19.760 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

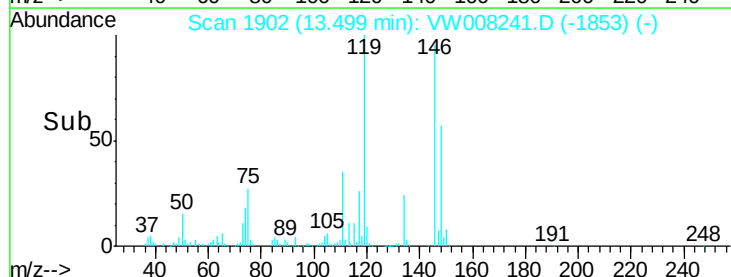
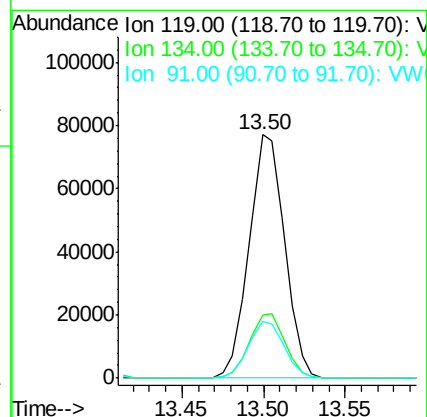
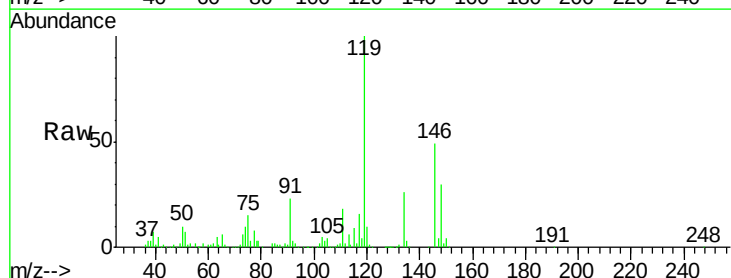
Tgt Ion:119 Resp: 117173

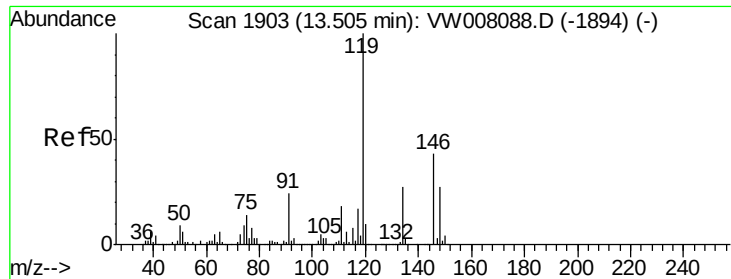
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 23.8 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 21.106 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

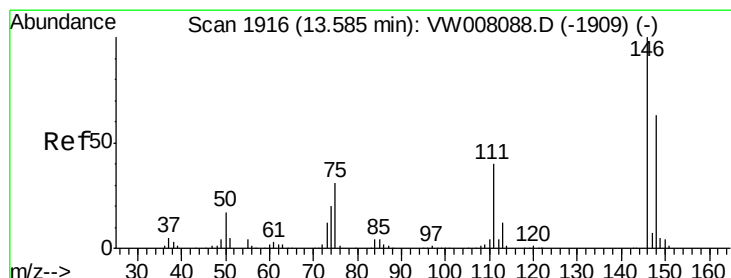
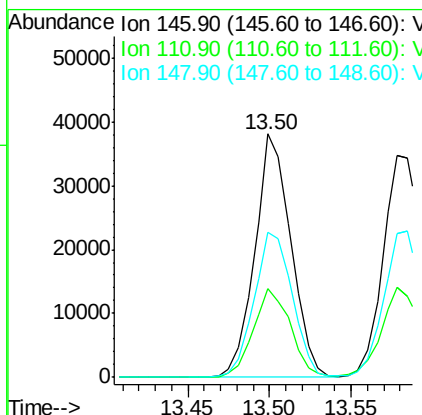
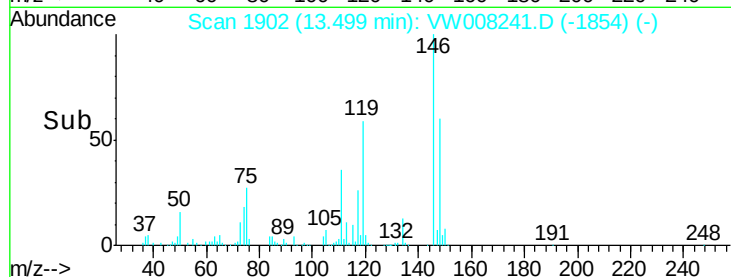
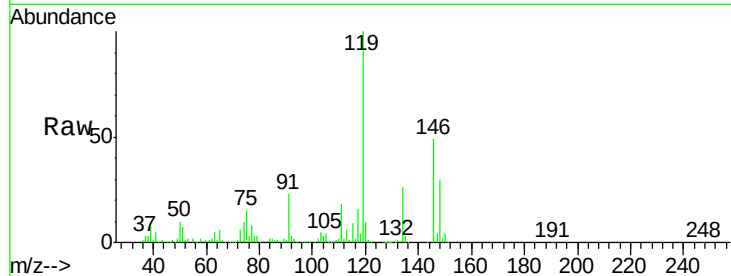
Instrument :
MSVOA_W

ClientSampled :
VW0114SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	21.1	63.1
148	63.4	31.3	93.9

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#88

1,4-Dichlorobenzene

Concen: 20.843 ug/l

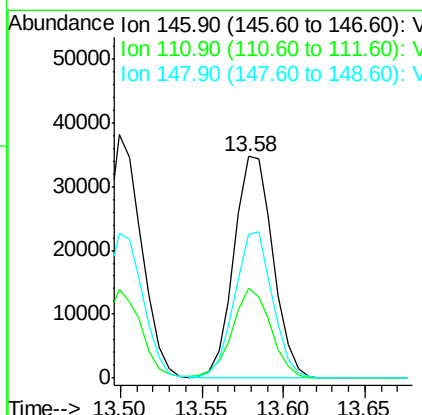
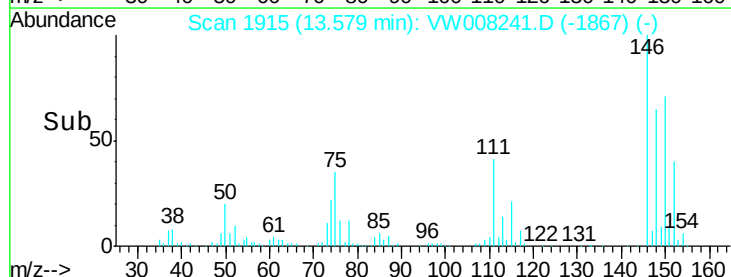
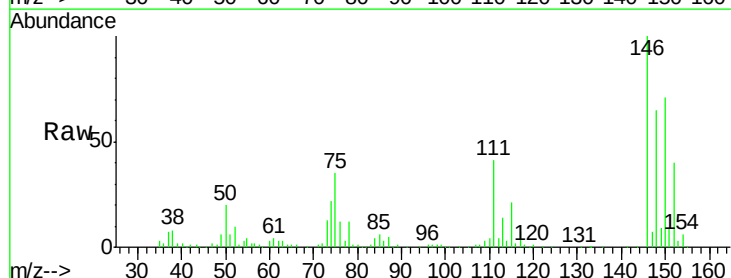
RT: 13.58 min Scan# 1915

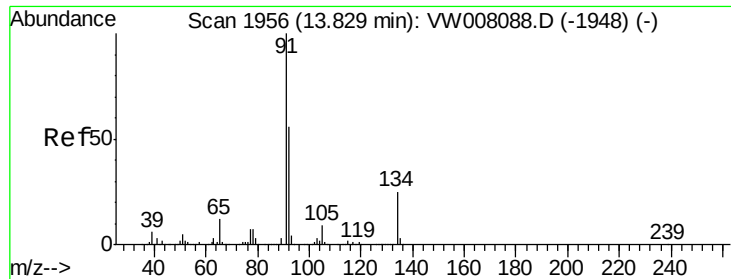
Delta R.T. -0.01 min

Lab File: VW008241.D

Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.5
148	64.2	31.6	94.8





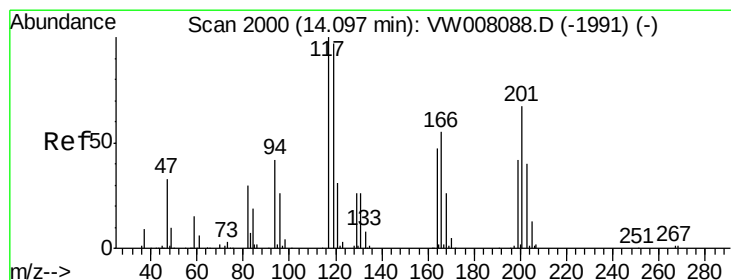
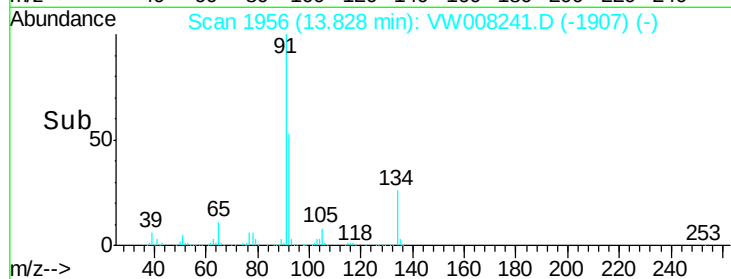
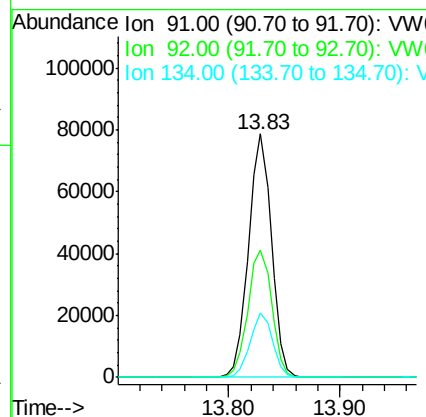
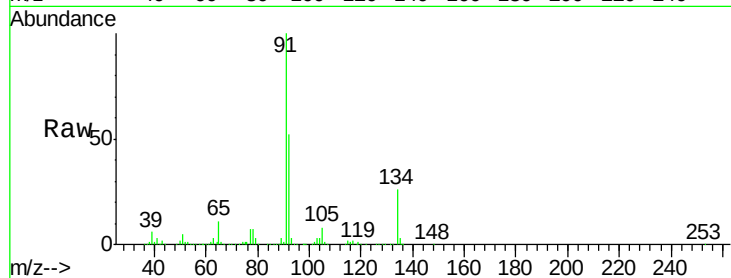
#89
n-Butylbenzene
Concen: 19.411 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampled :
VW0114SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.4	82.2
134	25.9	12.6	37.8

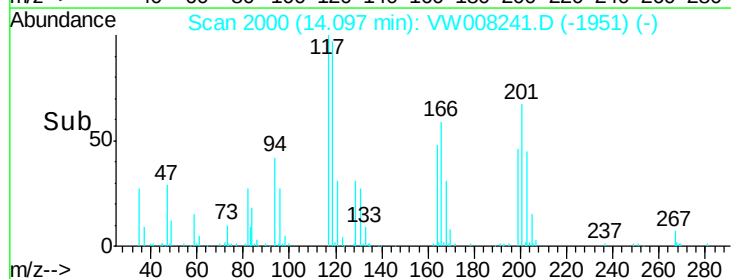
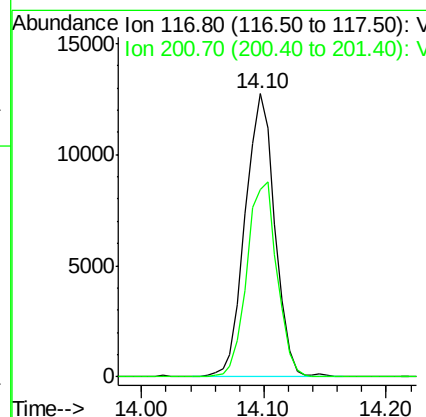
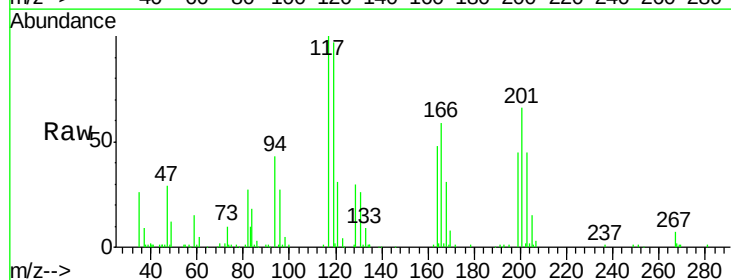
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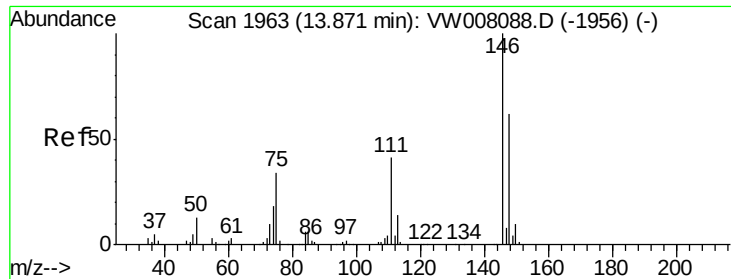
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#90
Hexachloroethane
Concen: 21.420 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.0	33.0	98.9





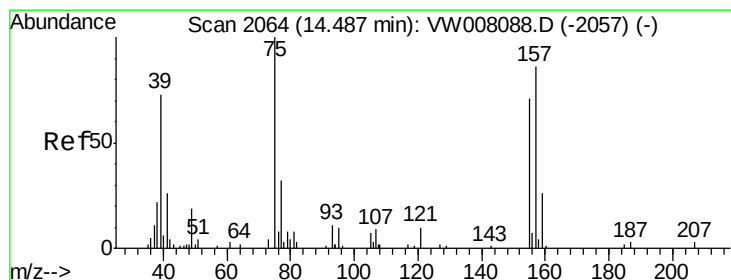
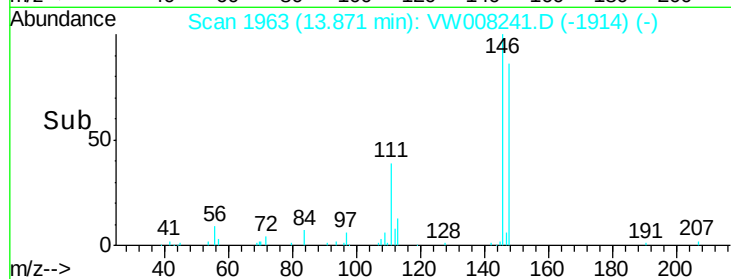
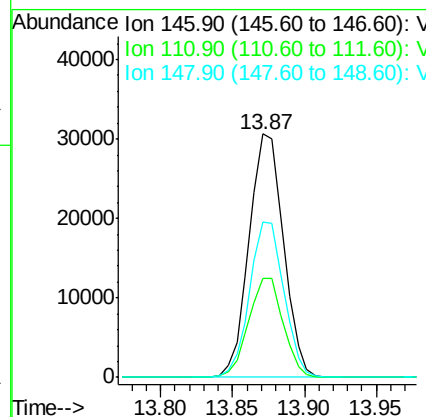
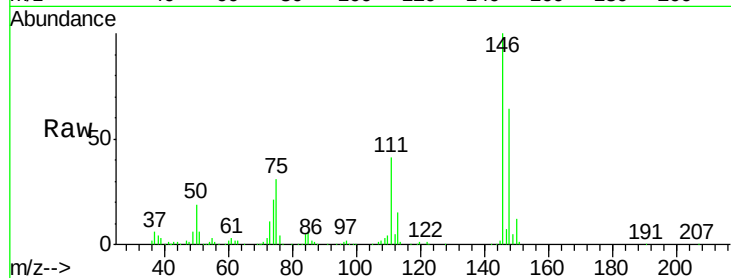
#91
 1,2-Dichlorobenzene
 Concen: 20.844 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0114SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	63.7
148	63.7	31.5	94.5

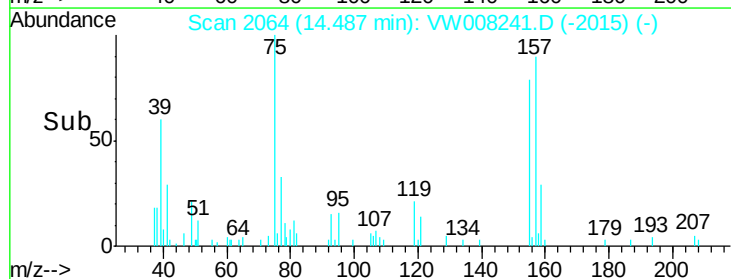
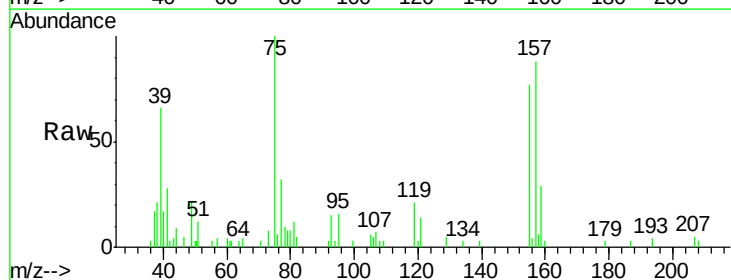
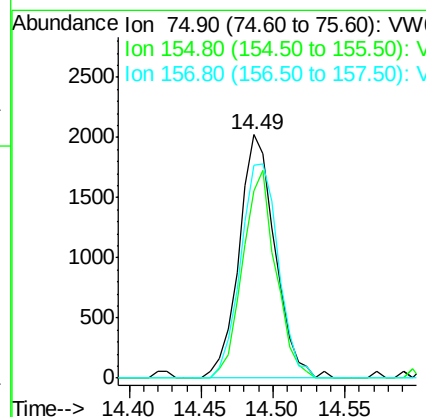
Manual Integrations
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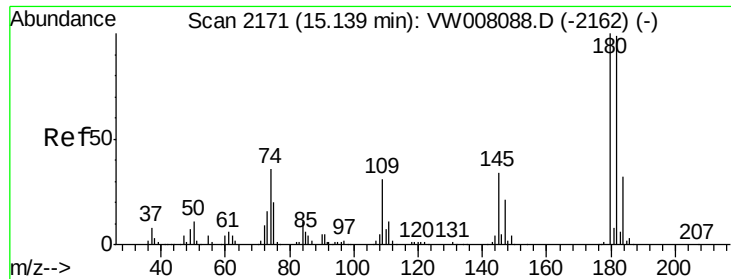
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.144 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008241.D
 Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.8	38.6	115.7
157	92.0	47.5	142.6





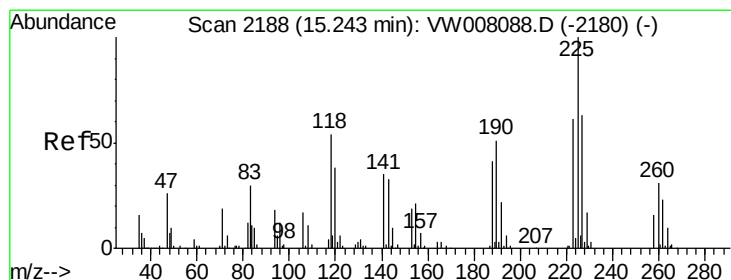
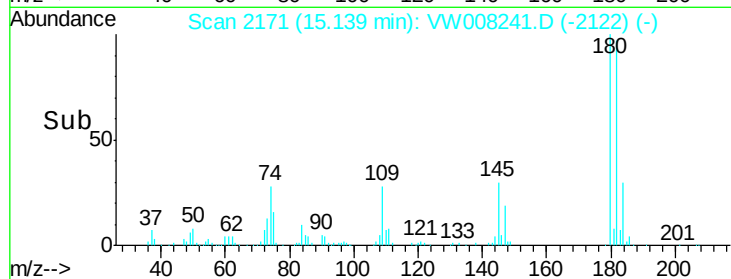
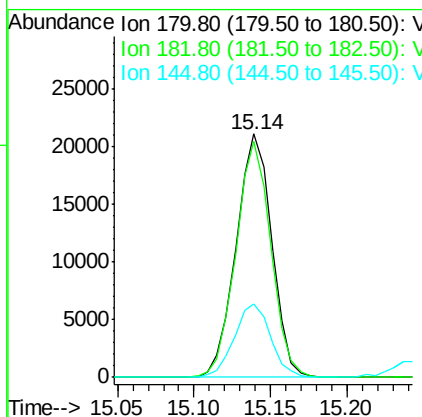
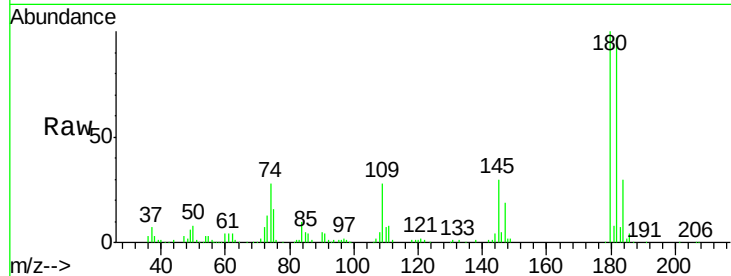
#93
1,2,4-Trichlorobenzene
Concen: 21.182 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.6	145.9
145	30.5	16.6	49.7

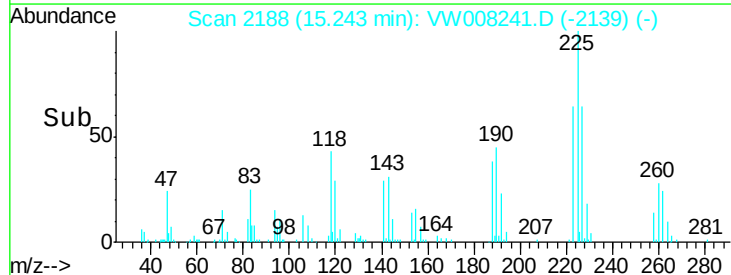
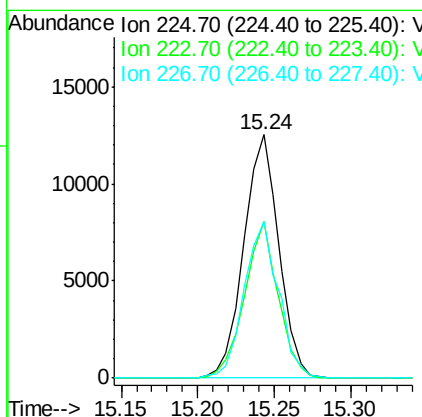
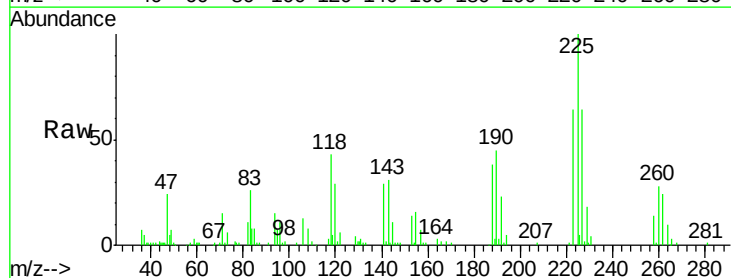
Manual Integrations
APPROVED

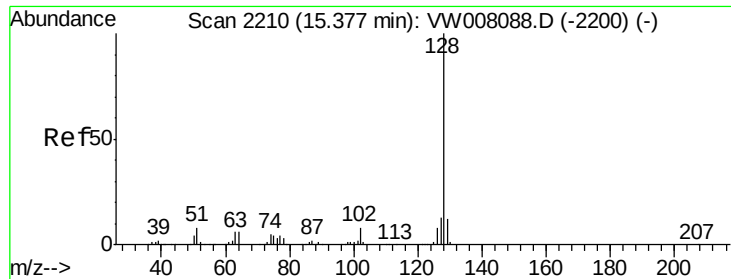
apatel
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#94
Hexachlorobutadiene
Concen: 23.158 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.4	94.3
227	62.9	32.0	96.2





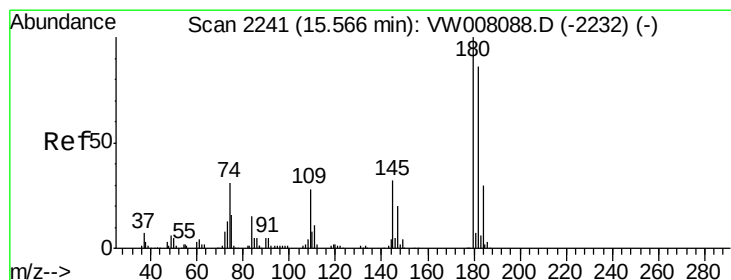
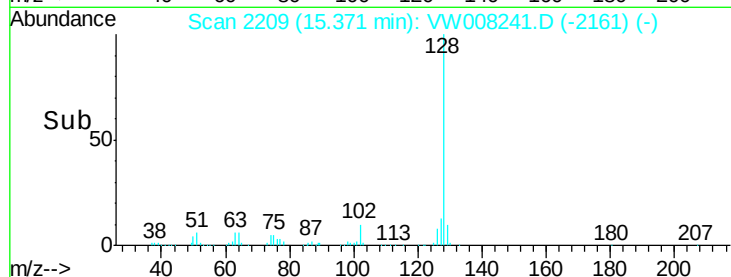
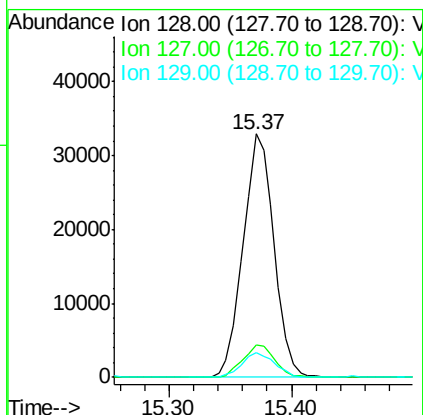
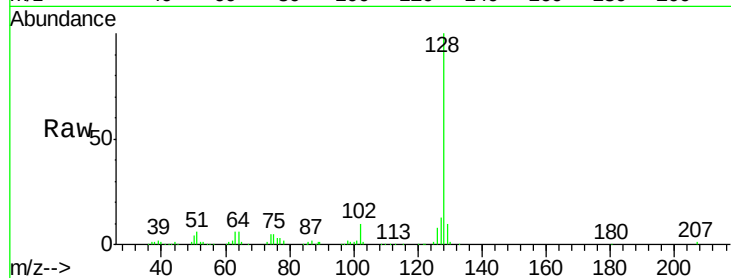
#95
Naphthalene
Concen: 19.176 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Instrument :
MSVOA_W
ClientSampleId :
VW0114SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	11.0	16.4
129	10.9	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.788 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW008241.D
Acq: 14 Jan 2019 12:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.5	139.3
145	31.6	17.4	52.2

