

Data File : VW009020.D
Acq On : 06 Mar 2019 17:29
Operator : SY/VA
Sample : VW0306SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:12 AM

Quant Time: Mar 07 07:42:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:22:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	323703	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	470030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	455174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	245373	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	160041	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	7.88	113	136484	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
50) Toluene-d8	10.32	98	572963	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.62	95	216856	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	65126	20.253	ug/l	97
3) Chloromethane	2.21	50	80116	19.780	ug/l	99
4) Vinyl Chloride	2.36	62	76844	18.932	ug/l	96
5) Bromomethane	2.77	94	78622	22.058	ug/l	97
6) Chloroethane	2.91	64	55933	19.436	ug/l	97
7) Trichlorofluoromethane	3.25	101	102613	19.626	ug/l	99
8) Diethyl Ether	3.68	74	31881	19.534	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	64128	19.766	ug/l	97
10) Methyl Iodide	4.27	142	58046	19.494	ug/l	99
11) Tert butyl alcohol	5.21	59	17363m	74.583	ug/l	
12) 1,1-Dichloroethene	4.03	96	57443	20.319	ug/l	97
13) Acrolein	3.90	56	28703	107.786	ug/l	100
14) Allyl chloride	4.67	41	93196	19.067	ug/l	98
15) Acrylonitrile	5.37	53	65519	93.770	ug/l	# 87
16) Acetone	4.14	43	62069	93.054	ug/l	100
17) Carbon Disulfide	4.38	76	177603	18.745	ug/l	100
18) Methyl Acetate	4.68	43	27948	18.380	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	145679	19.906	ug/l	95
20) Methylene Chloride	4.91	84	68185	18.739	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	62655	19.375	ug/l	93
22) Diisopropyl ether	6.31	45	190040	19.471	ug/l	95
23) Vinyl Acetate	6.26	43	595263	97.926	ug/l	98
24) 1,1-Dichloroethane	6.21	63	109144	19.233	ug/l	96
25) 2-Butanone	7.18	43	90877	95.773	ug/l	99
26) 2,2-Dichloropropane	7.17	77	101278	19.510	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	67531	19.837	ug/l	97
28) Bromochloromethane	7.51	49	49183	19.965	ug/l	97
29) Tetrahydrofuran	7.53	42	55375	92.892	ug/l	99
30) Chloroform	7.67	83	109148	18.785	ug/l	95
31) Cyclohexane	7.95	56	113527	19.453	ug/l	89
32) 1,1,1-Trichloroethane	7.87	97	104499	19.581	ug/l	100
36) 1,1-Dichloropropene	8.08	75	93494	20.005	ug/l	99
37) Ethyl Acetate	7.25	43	40346	19.517	ug/l	99
38) Carbon Tetrachloride	8.06	117	95952	19.839	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:22:06 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	107946	19.119	ug/l	99
40) Benzene	8.32	78	242509	19.238	ug/l	99
41) Methacrylonitrile	7.48	41	24128	19.677	ug/l	92
42) 1,2-Dichloroethane	8.40	62	77370	19.123	ug/l	99
43) Isopropyl Acetate	8.42	43	77012	18.951	ug/l	99
44) Trichloroethene	9.09	130	66995	19.060	ug/l	100
45) 1,2-Dichloropropane	9.37	63	60934	19.498	ug/l	99
46) Dibromomethane	9.46	93	32958	19.116	ug/l	99
47) Bromodichloromethane	9.64	83	82551	19.100	ug/l	99
48) Methyl methacrylate	9.43	41	37759	19.664	ug/l	97
49) 1,4-Dioxane	9.47	88	9288	394.079	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	191604	93.238	ug/l	99
52) Toluene	10.38	92	161606	18.990	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	81540	19.019	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	93829	19.171	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	45478	19.421	ug/l	96
56) Ethyl methacrylate	10.65	69	55619	19.202	ug/l	98
57) 1,3-Dichloropropane	10.93	76	79553	19.319	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	142859	92.947	ug/l	99
59) 2-Hexanone	10.97	43	136972	94.812	ug/l	99
60) Dibromochloromethane	11.13	129	54717	19.238	ug/l	98
61) 1,2-Dibromoethane	11.24	107	43279	19.500	ug/l	100
64) Tetrachloroethene	10.86	164	59639	18.976	ug/l	92
65) Chlorobenzene	11.66	112	178571	18.901	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	60373	19.028	ug/l	99
67) Ethyl Benzene	11.73	91	328101	19.154	ug/l	96
68) m/p-Xylenes	11.84	106	252705	37.387	ug/l	98
69) o-Xylene	12.16	106	118242	18.739	ug/l	100
70) Styrene	12.18	104	190569	18.643	ug/l	99
71) Bromoform	12.35	173	30914	18.286	ug/l #	97
73) Isopropylbenzene	12.46	105	329100	19.595	ug/l	99
74) N-amyl acetate	12.27	43	74807	19.569	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	50830	19.403	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	35566m	18.288	ug/l	
77) Bromobenzene	12.75	156	75471	19.849	ug/l	99
78) n-propylbenzene	12.80	91	404607	19.623	ug/l	100
79) 2-Chlorotoluene	12.89	91	226590	19.463	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	273124	18.949	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15470	20.337	ug/l	99
82) 4-Chlorotoluene	12.99	91	234506	18.936	ug/l	99
83) tert-Butylbenzene	13.21	119	240940	19.400	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	277587	18.812	ug/l	99
85) sec-Butylbenzene	13.38	105	353425	19.508	ug/l	100
86) p-Isopropyltoluene	13.50	119	308258	18.903	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	156662	19.247	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	154504	19.138	ug/l	97
89) n-Butylbenzene	13.83	91	292346	18.936	ug/l	99
90) Hexachloroethane	14.10	117	53895	19.292	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	136026	19.100	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8664	18.095	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030619\
Quantitation Report (QT Reviewed)

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	94264	19.330	ug/l	98
94) Hexachlorobutadiene	15.24	225	58530	18.883	ug/l	97
95) Naphthalene	15.37	128	149646	18.926	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	81086	19.205	ug/l	99

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

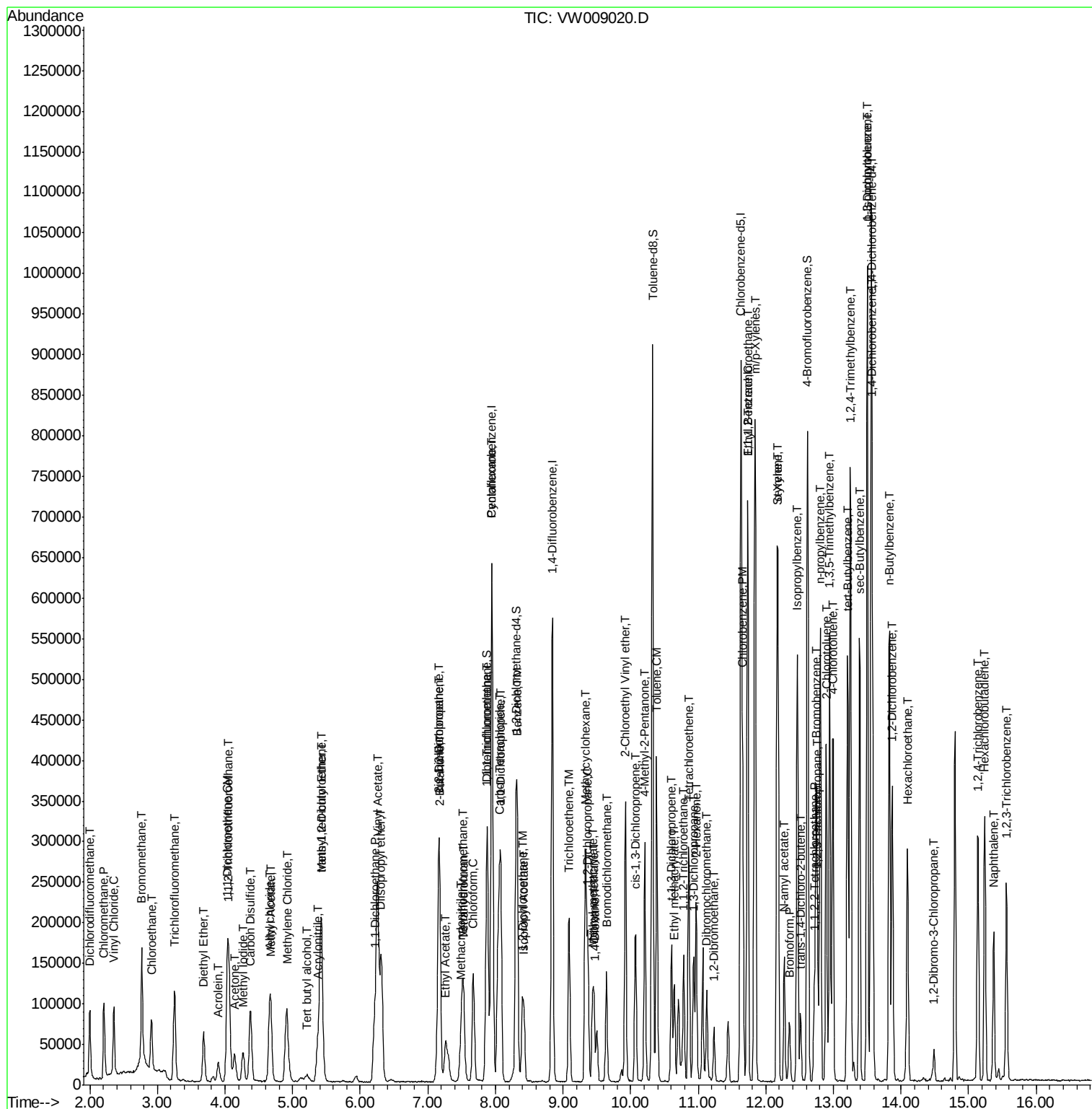
Data File : VW009020.D
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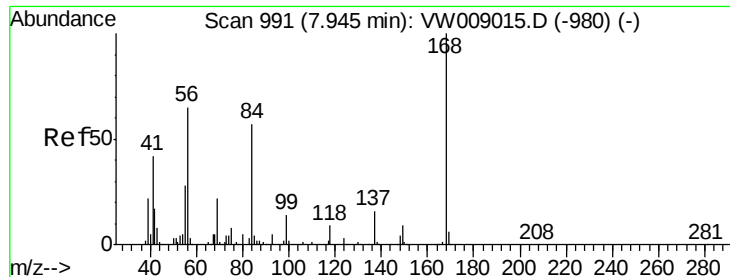
Instrument :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion:168 Resp: 323703

Ion Ratio Lower Upper

168 100

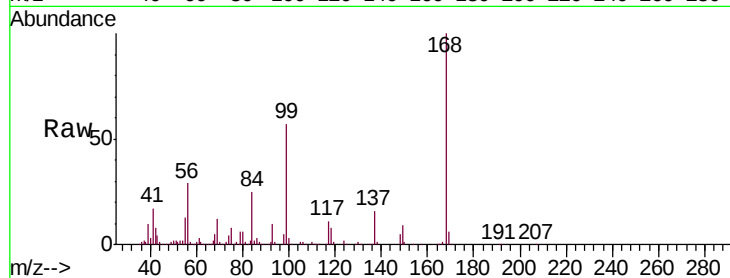
99 56.7 43.5 65.3

Manual Integrations

APPROVED

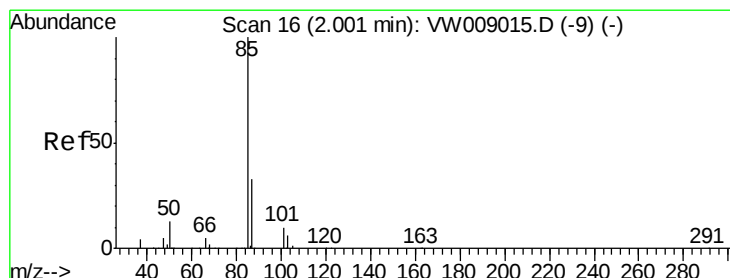
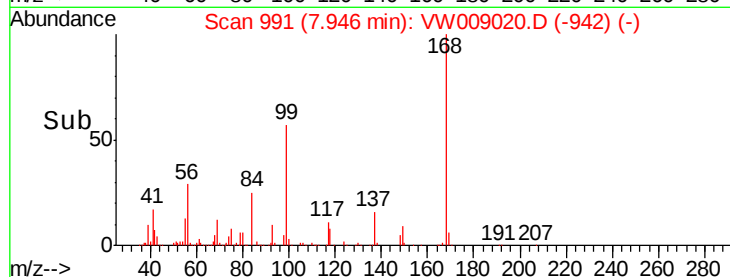
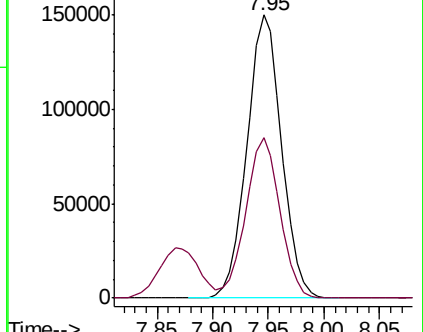
MMDadoda

3/8/2019 12:07:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.253 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW009020.D

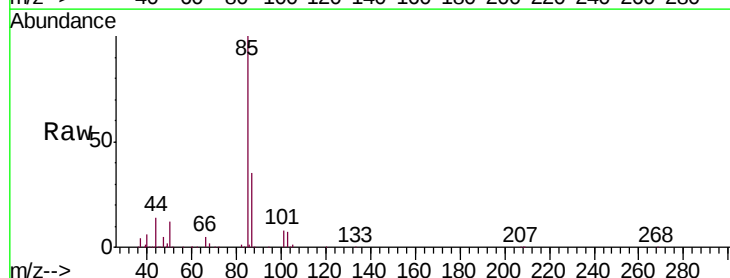
Acq: 06 Mar 2019 17:29

Tgt Ion: 85 Resp: 65126

Ion Ratio Lower Upper

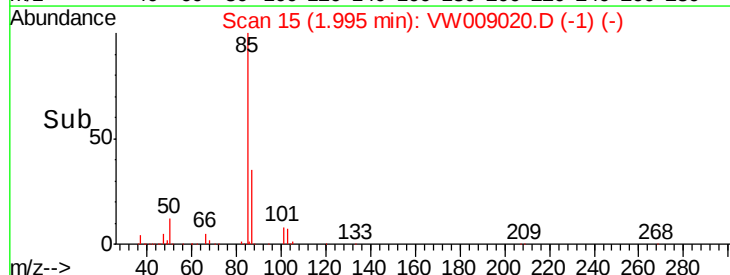
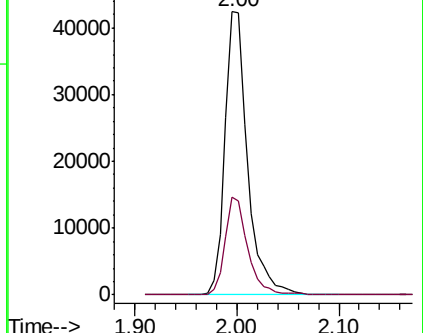
85 100

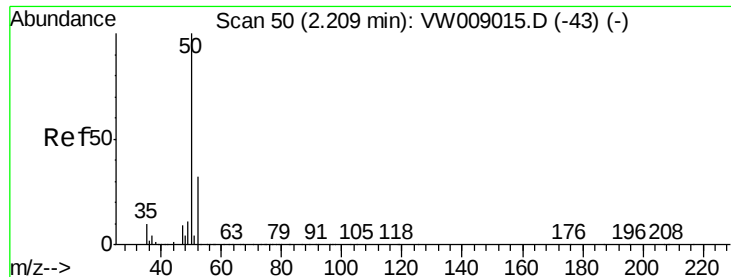
87 34.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.780 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 50 Resp: 80116

Ion Ratio Lower Upper

50 100

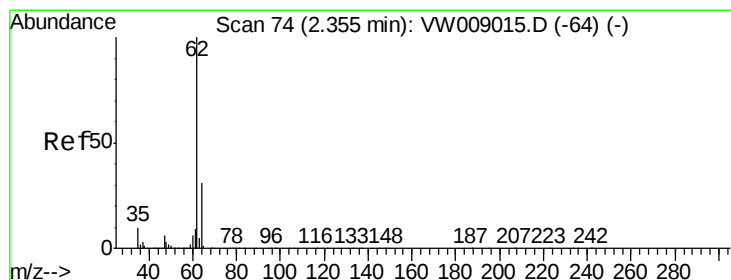
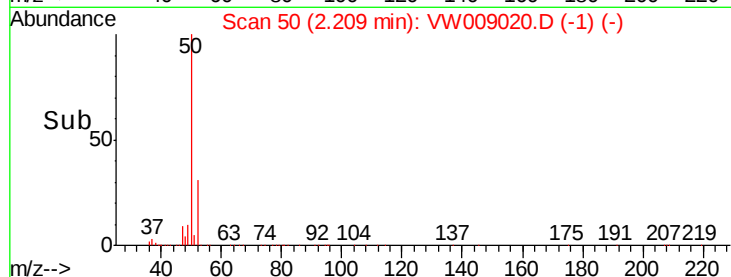
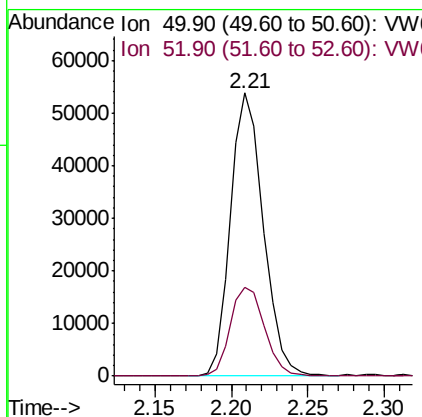
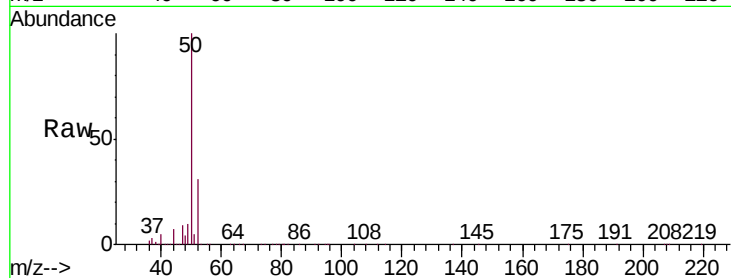
52 31.2 25.3 37.9

Manual Integrations

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3/8/2019 12:07:12 AM



#4

Vinyl Chloride

Concen: 18.932 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009020.D

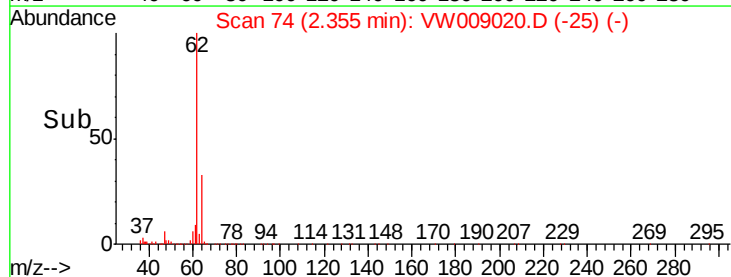
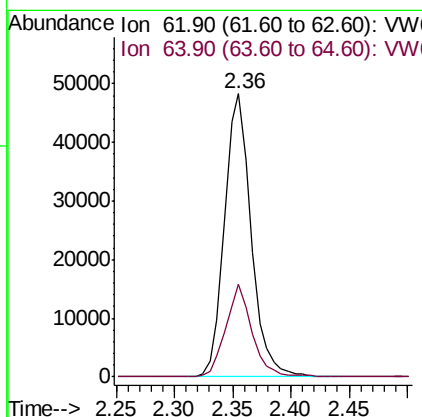
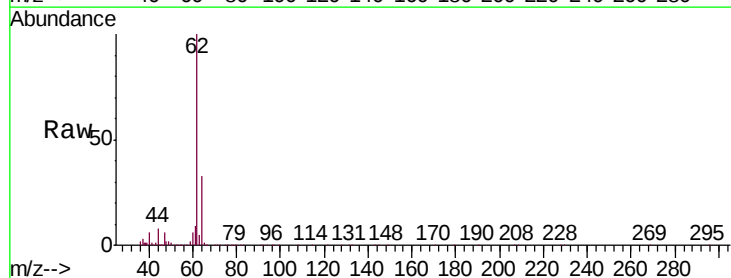
Acq: 06 Mar 2019 17:29

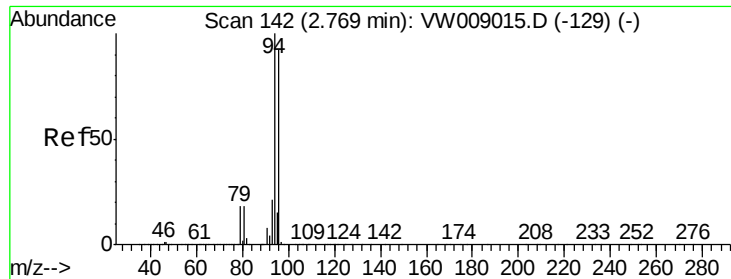
Tgt Ion: 62 Resp: 76844

Ion Ratio Lower Upper

62 100

64 32.7 24.6 36.8





#5

Bromomethane

Concen: 22.058 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

ClientSampled :

VW0306SBS01

Tgt Ion: 94 Resp: 78622

Ion Ratio Lower Upper

94 100

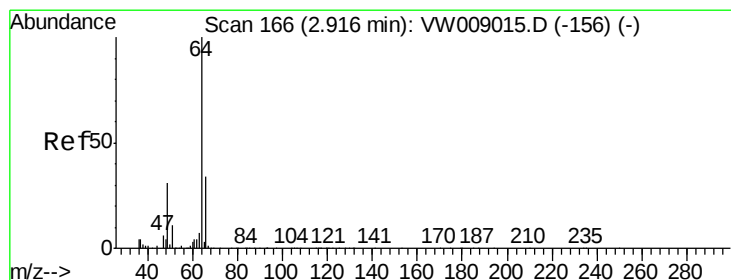
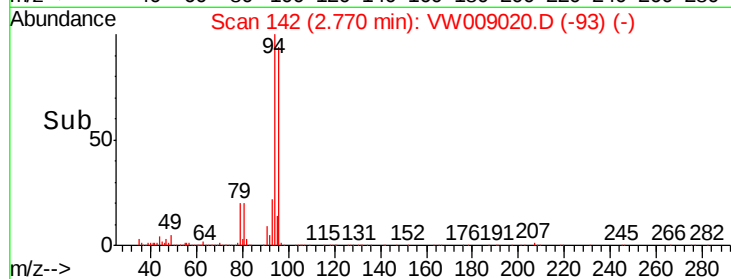
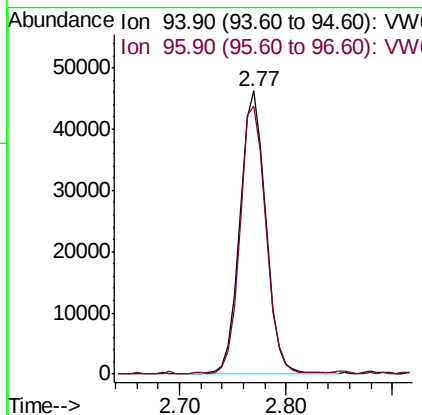
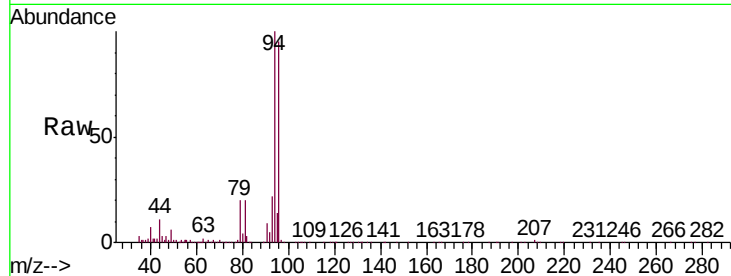
96 94.8 73.4 110.0

Manual Integrations

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3/8/2019 12:07:12 AM



#6

Chloroethane

Concen: 19.436 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009020.D

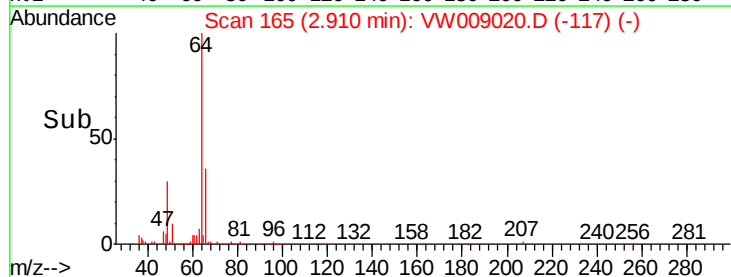
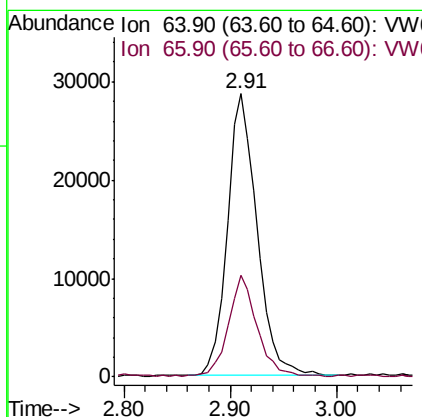
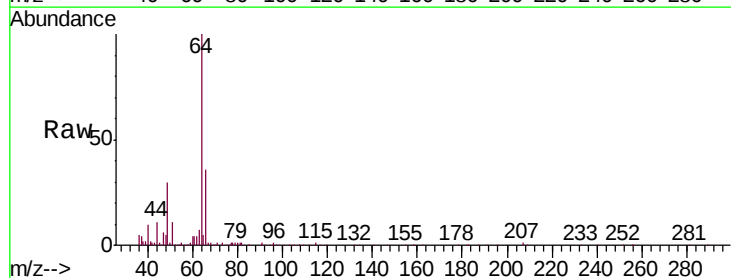
Acq: 06 Mar 2019 17:29

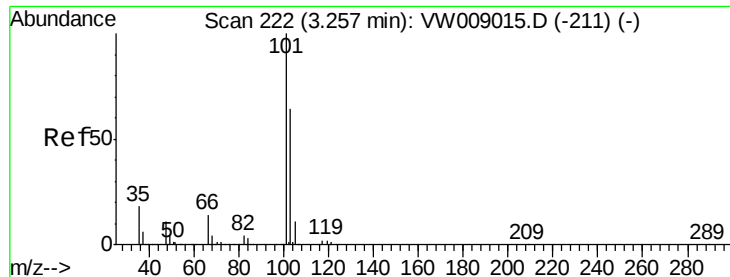
Tgt Ion: 64 Resp: 55933

Ion Ratio Lower Upper

64 100

66 35.5 27.2 40.8





#7

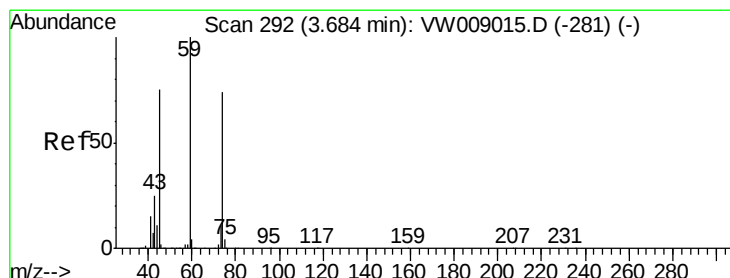
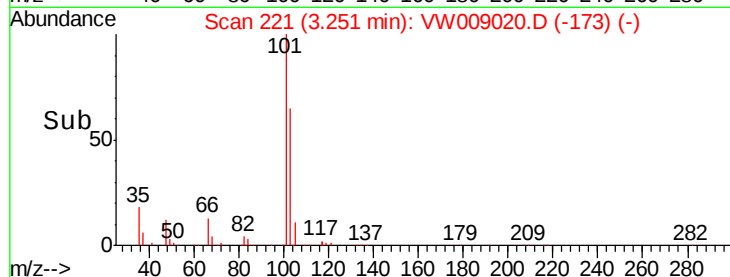
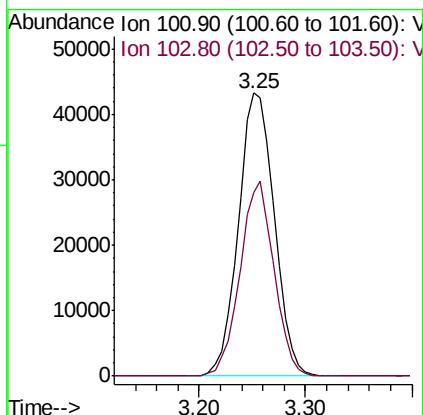
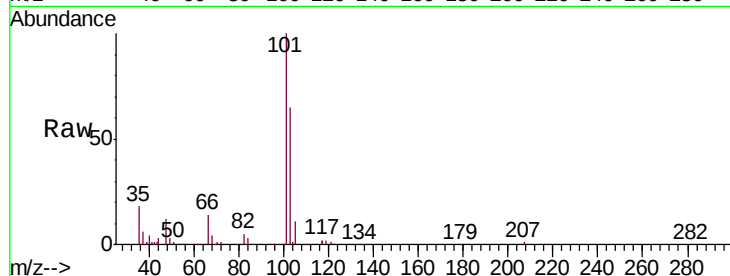
Trichlorofluoromethane
Concen: 19.626 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion: 101 Resp: 102613
Ion Ratio Lower Upper
101 100
103 65.0 51.1 76.7

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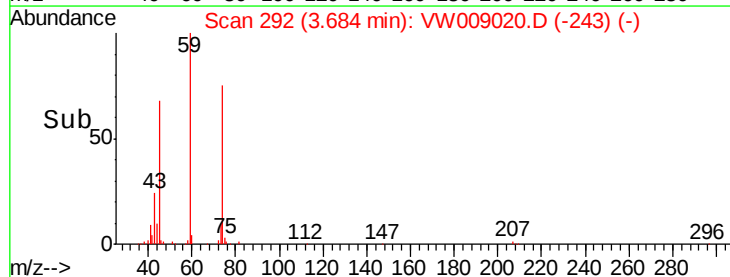
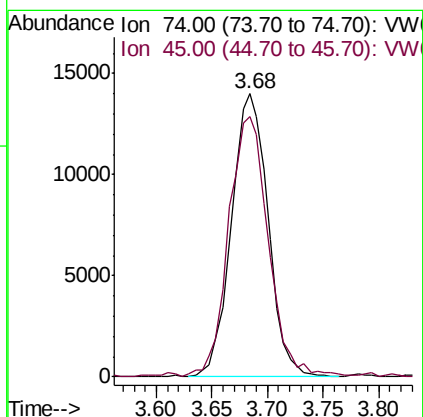
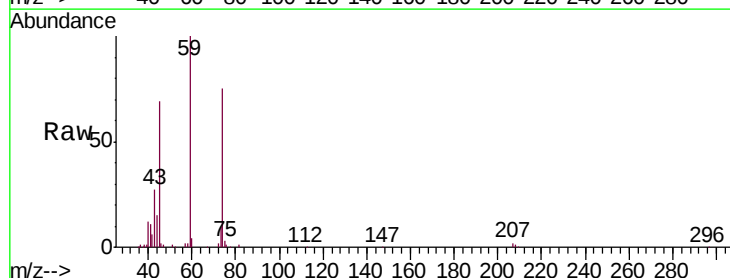
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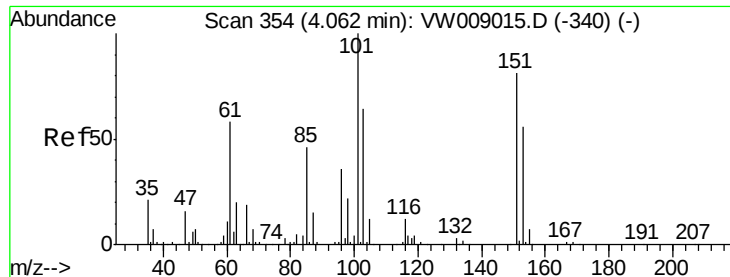


#8

Diethyl Ether
Concen: 19.534 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion: 74 Resp: 31881
Ion Ratio Lower Upper
74 100
45 99.9 48.8 146.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.766 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

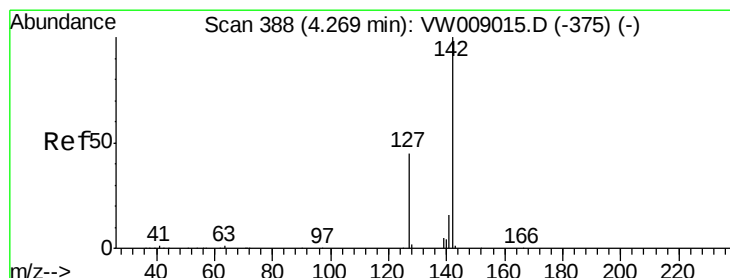
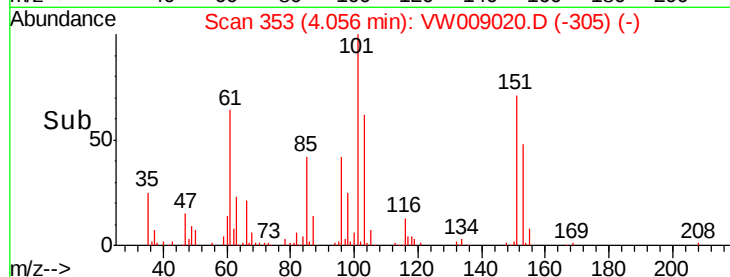
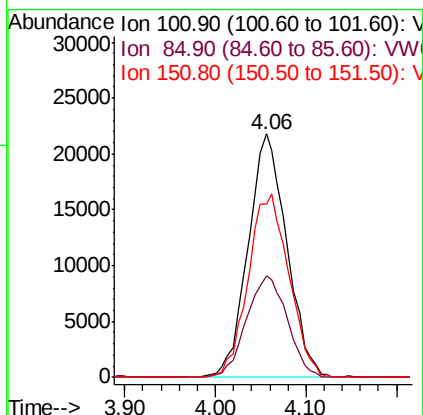
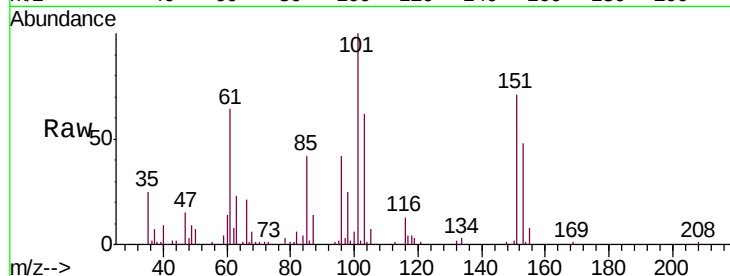
ClientSampleId :

VW0306SBS01

Tgt Ion:	101	Resp:	64128
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.6	55.0
151	79.5	66.0	99.0

Manual Integrations
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#10

Methyl Iodide

Concen: 19.494 ug/l

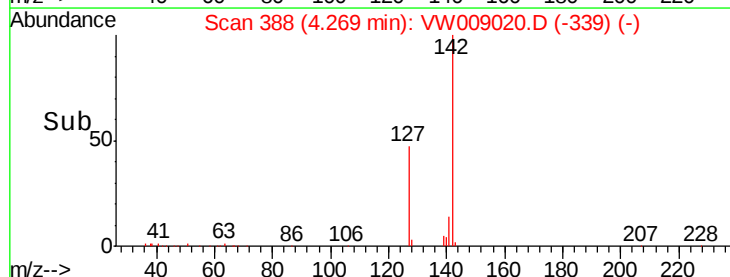
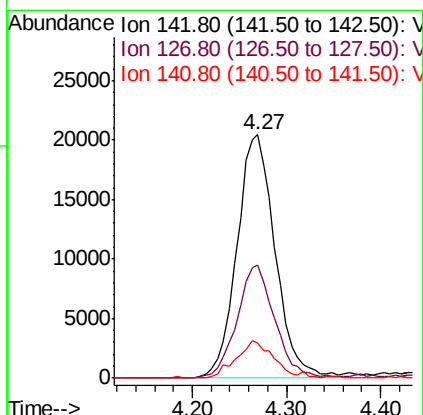
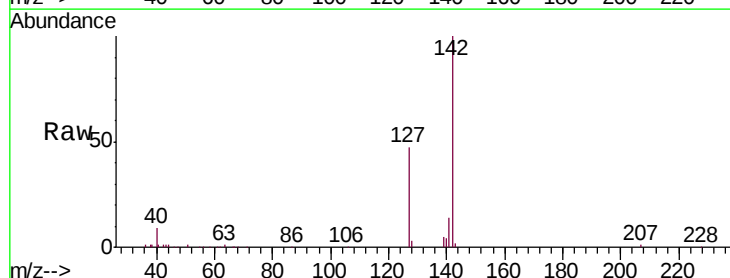
RT: 4.27 min Scan# 388

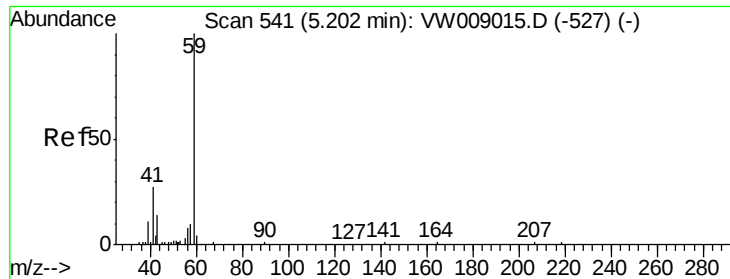
Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Tgt Ion:	142	Resp:	58046
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.2	54.2
141	15.4	12.3	18.5





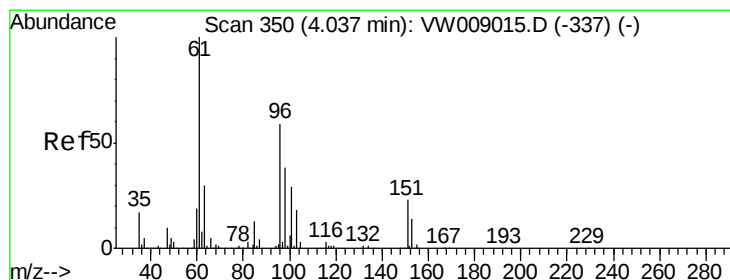
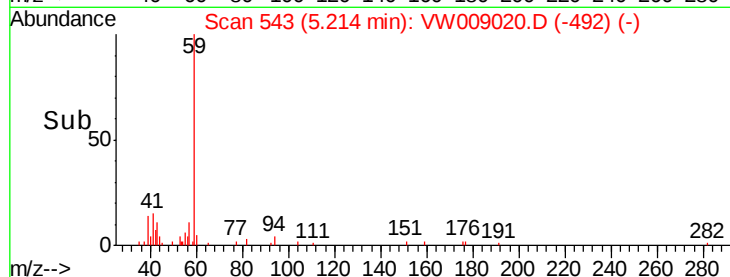
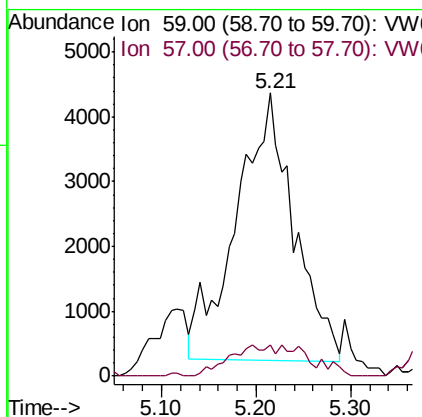
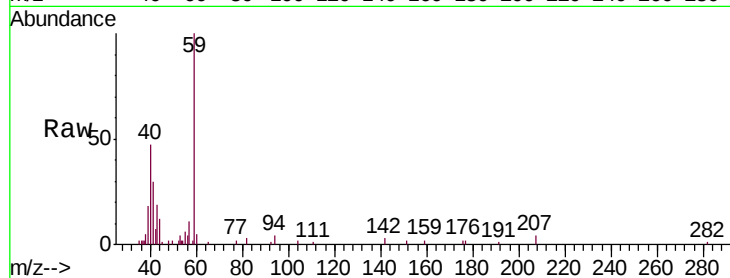
#11
Tert butyl alcohol
Concen: 74.583 ug/l m
RT: 5.21 min Scan# 543
Delta R.T. 0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion: 59 Resp: 17363
Ion Ratio Lower Upper
59 100
57 7.1 9.0 13.6#

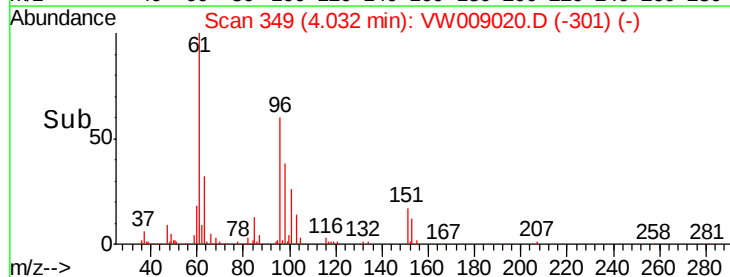
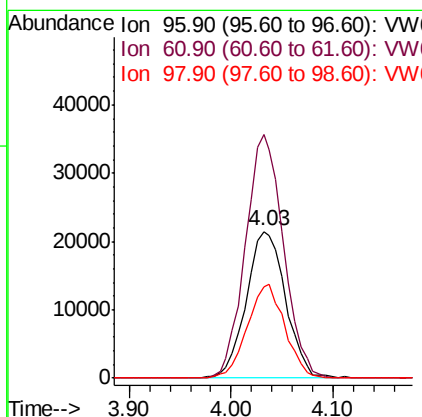
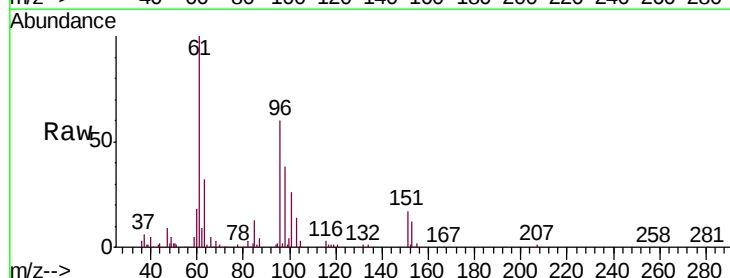
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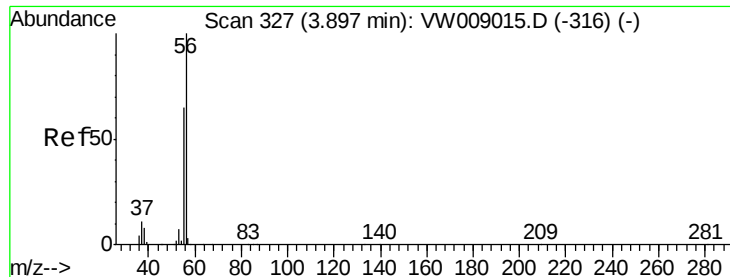
MMDadoda
3/8/2019 12:07:12 AM



#12
1,1-Dichloroethene
Concen: 20.319 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion: 96 Resp: 57443
Ion Ratio Lower Upper
96 100
61 166.0 135.8 203.6
98 62.6 51.6 77.4





#13

Acrolein

Concen: 107.786 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 56 Resp: 28703

Ion Ratio Lower Upper

56 100

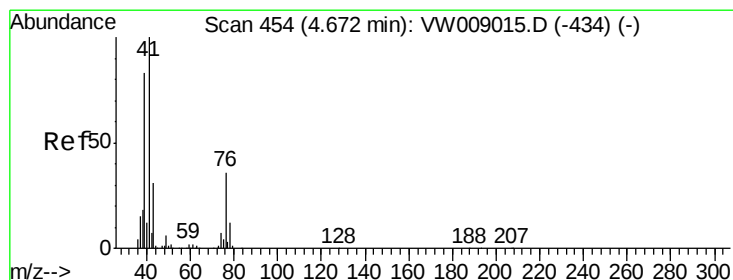
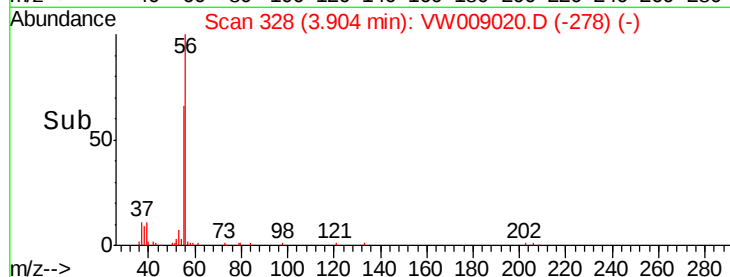
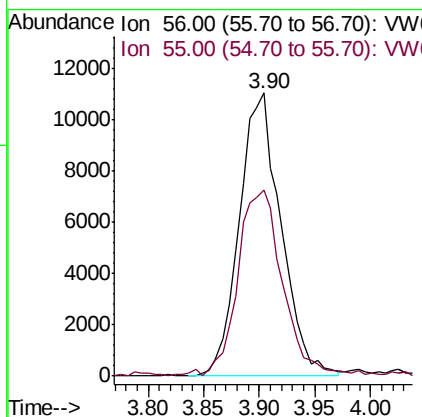
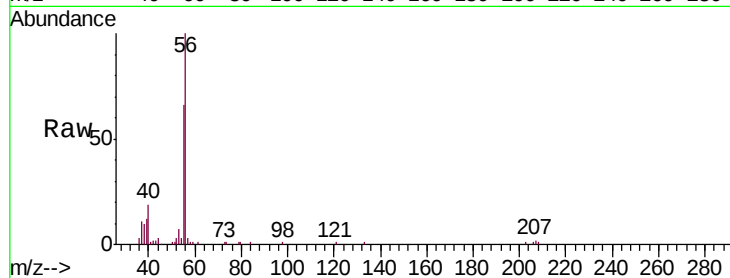
55 71.2 57.1 85.7

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#14

Allyl chloride

Concen: 19.067 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

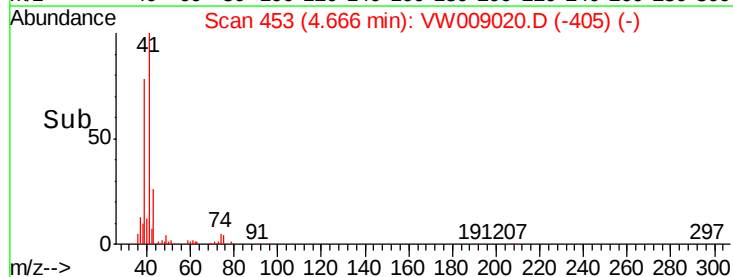
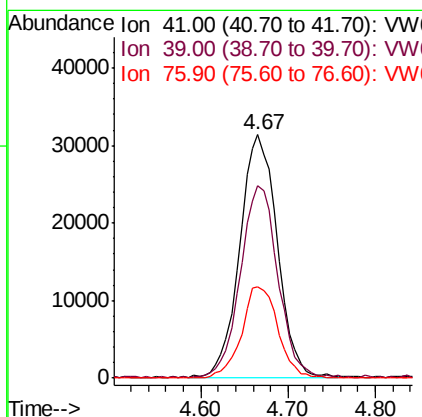
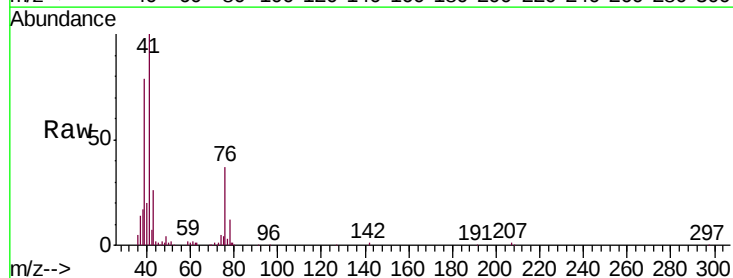
Tgt Ion: 41 Resp: 93196

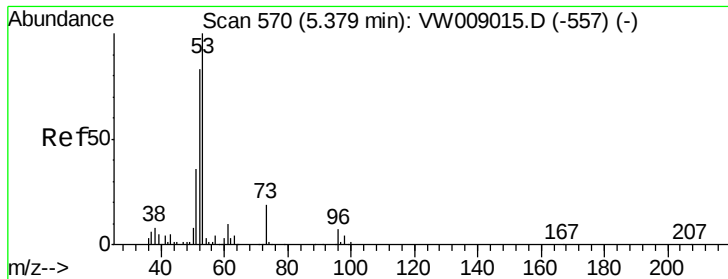
Ion Ratio Lower Upper

41 100

39 78.7 63.6 95.4

76 36.5 27.9 41.9





#15

Acrylonitrile

Concen: 93.770 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

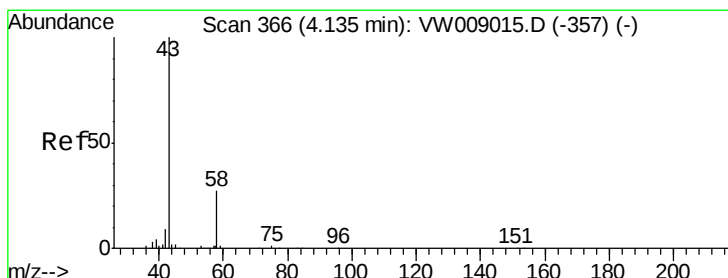
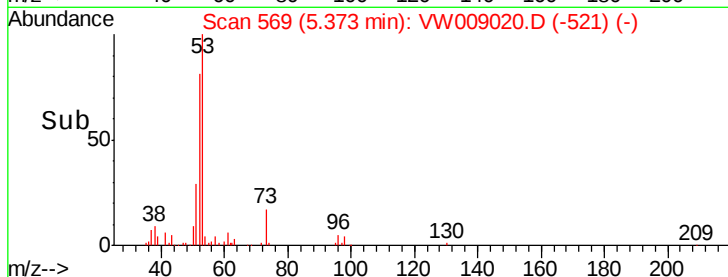
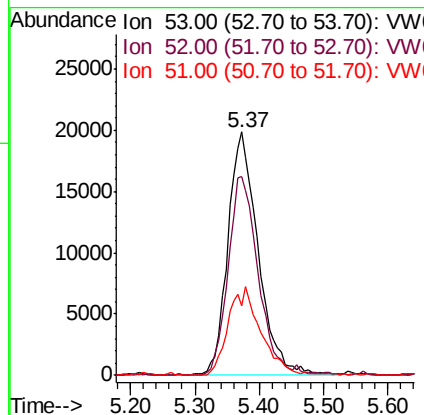
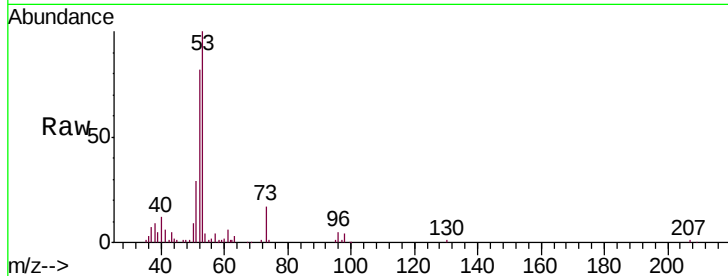
ClientSampleId :

VW0306SBS01

Tgt Ion:	53	Resp:	65519
Ion	Ratio	Lower	Upper
53	100		
52	80.2	66.6	100.0
51	17.8	30.6	45.8#

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#16

Acetone

Concen: 93.054 ug/l

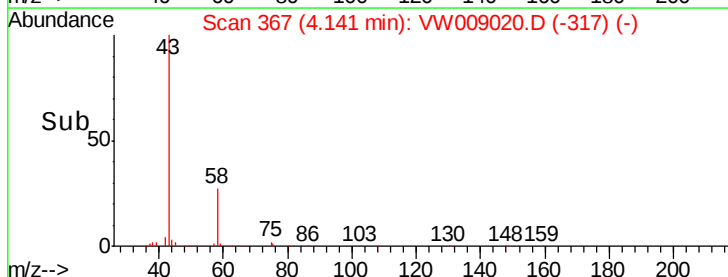
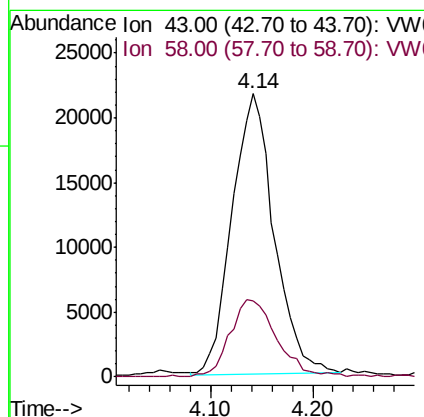
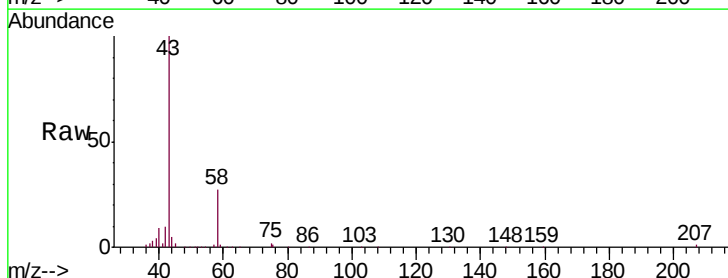
RT: 4.14 min Scan# 367

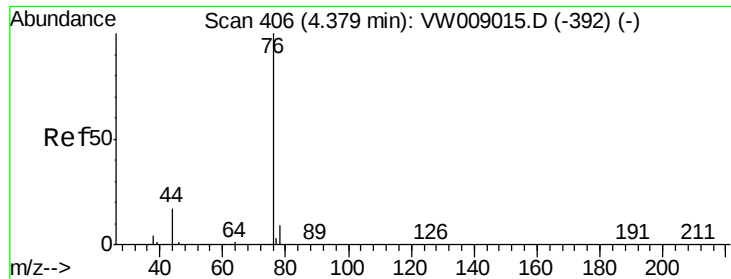
Delta R.T. 0.01 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Tgt Ion:	43	Resp:	62069
Ion	Ratio	Lower	Upper
43	100		
58	27.1	21.6	32.4





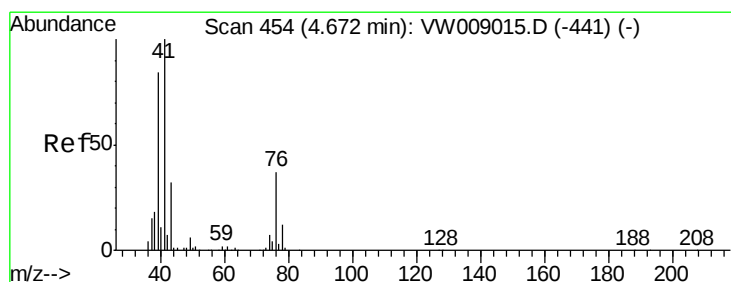
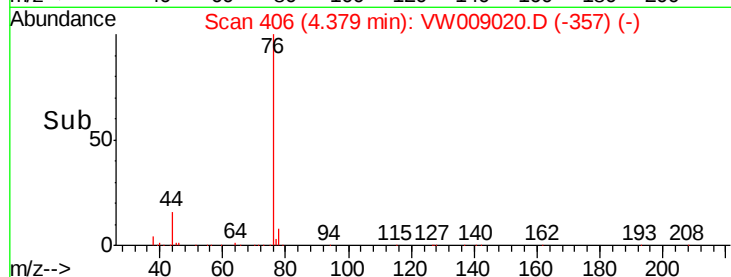
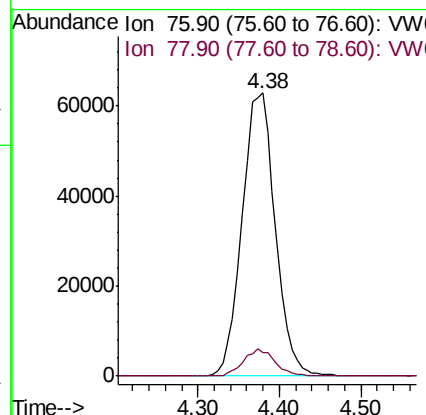
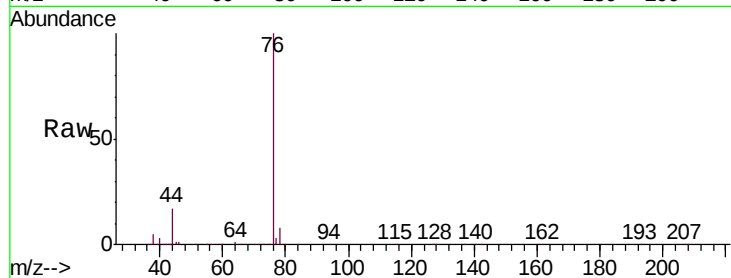
#17
Carbon Disulfide
Concen: 18.745 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.9	10.3

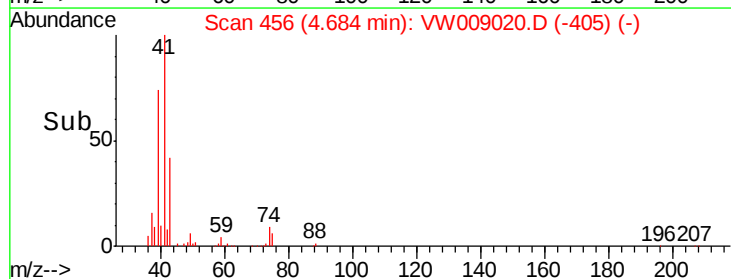
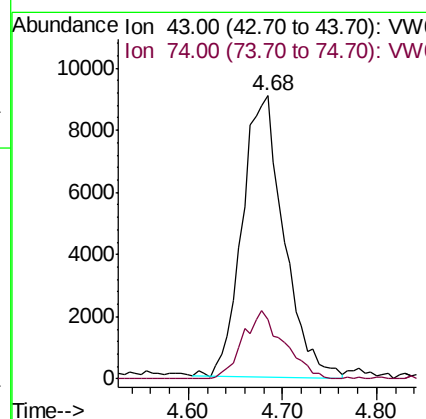
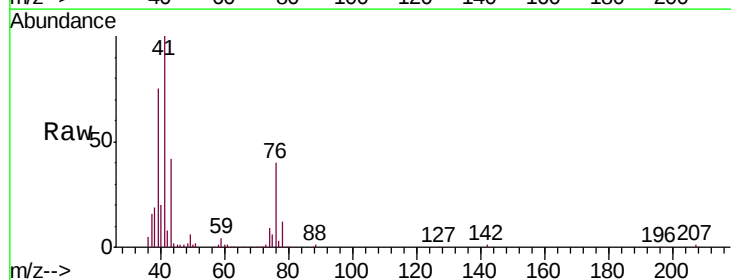
Manual Integrations
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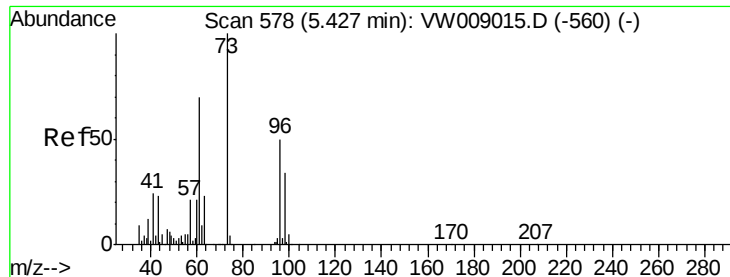
MMDadoda
3/8/2019 12:07:12 AM



#18
Methyl Acetate
Concen: 18.380 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	17.7	26.5





#19

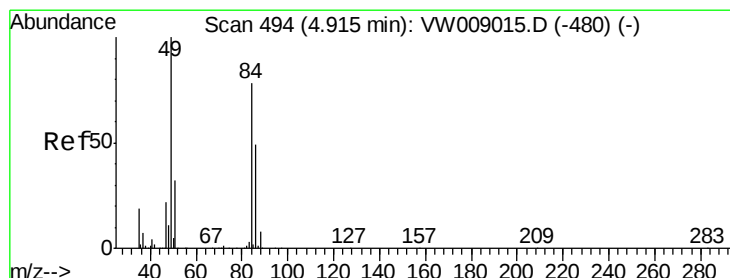
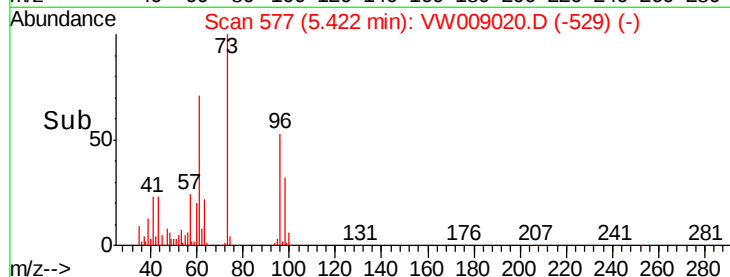
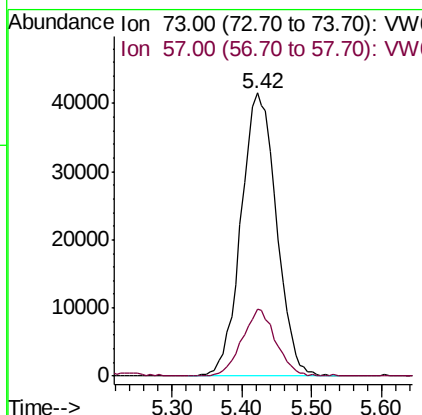
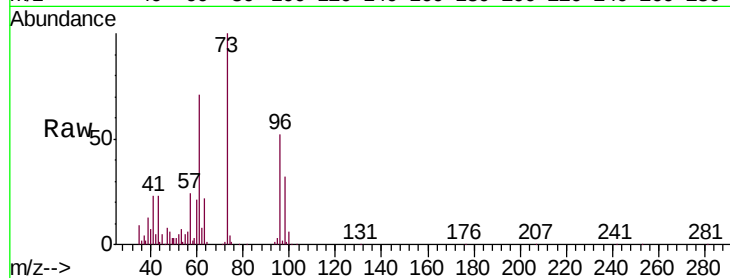
Methyl tert-butyl Ether
 Concen: 19.906 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion: 73 Resp: 145679
 Ion Ratio Lower Upper
 73 100
 57 23.6 17.0 25.6

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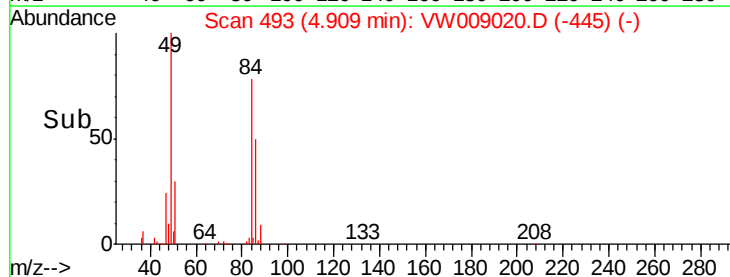
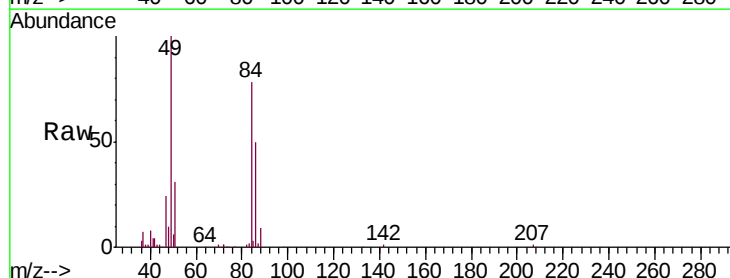
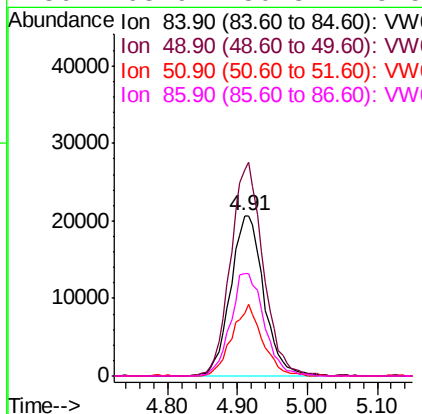
MMDadoda
 3/8/2019 12:07:12 AM

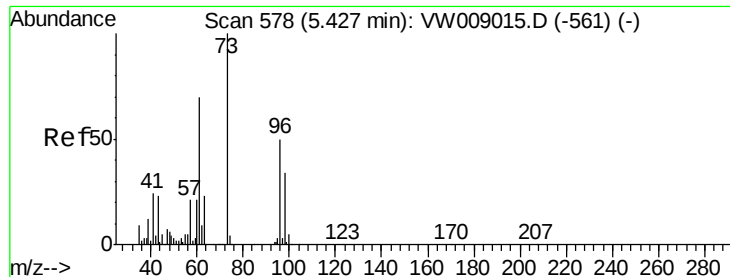


#20

Methylene Chloride
 Concen: 18.739 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Tgt Ion: 84 Resp: 68185
 Ion Ratio Lower Upper
 84 100
 49 128.7 102.8 154.2
 51 39.4 32.4 48.6
 86 63.9 50.3 75.5





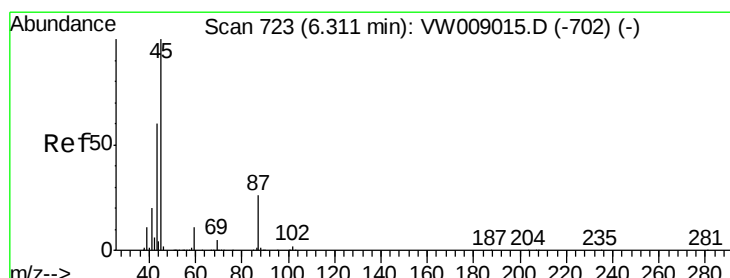
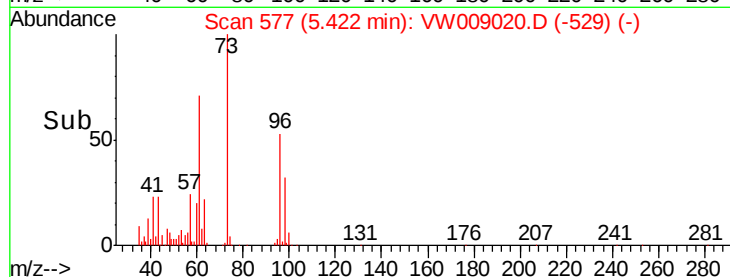
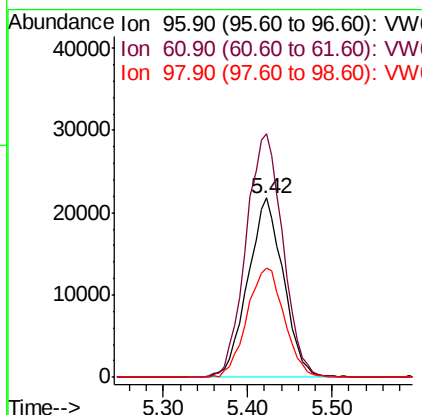
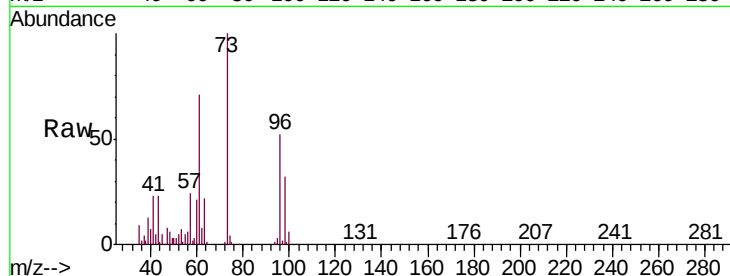
#21
trans-1,2-Dichloroethene
Concen: 19.375 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	135.7	113.2	169.8
98	61.2	55.7	83.5

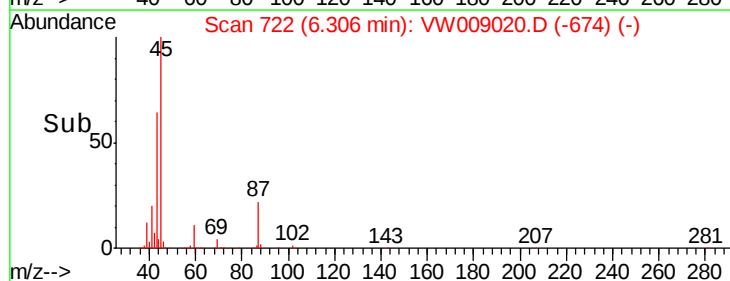
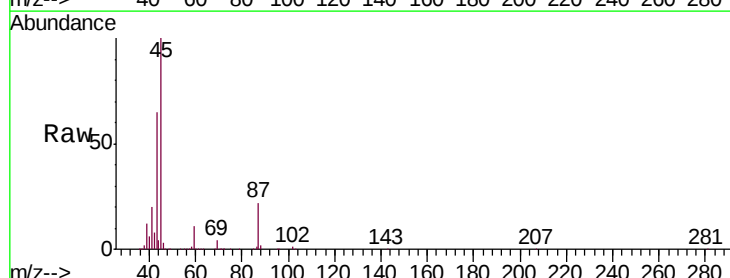
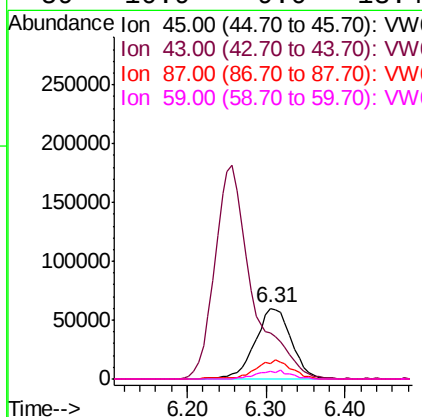
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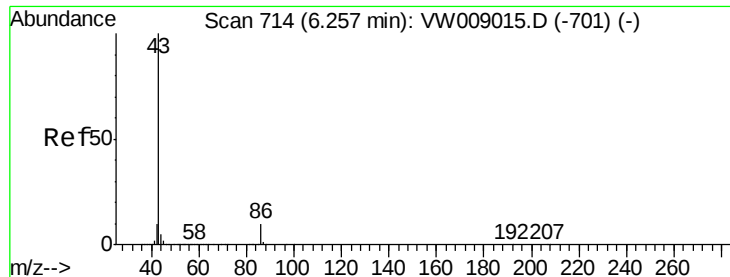
MMDadoda
3/8/2019 12:07:12 AM



#22
Diisopropyl ether
Concen: 19.471 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.7	48.1	72.1
87	22.3	20.9	31.3
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 97.926 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 43 Resp: 595263

Ion Ratio Lower Upper

43 100

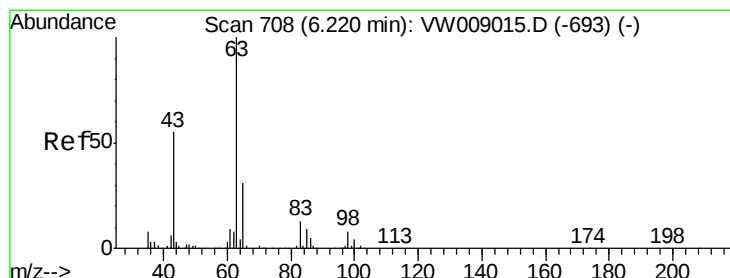
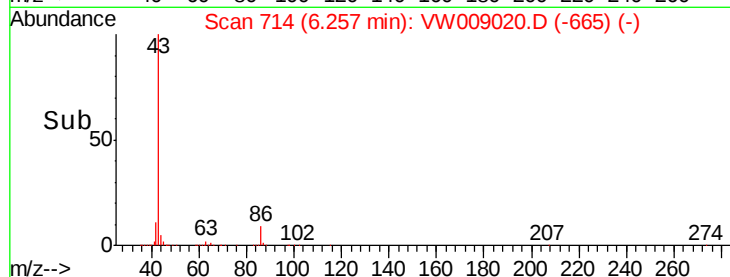
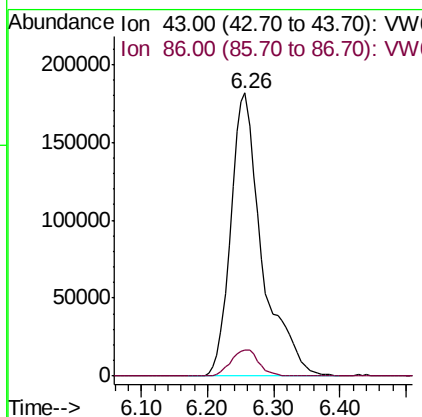
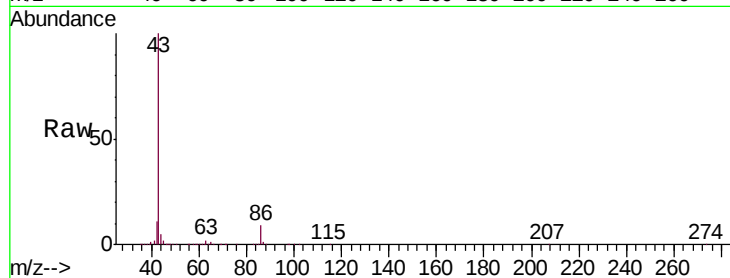
86 9.2 8.0 12.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.233 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

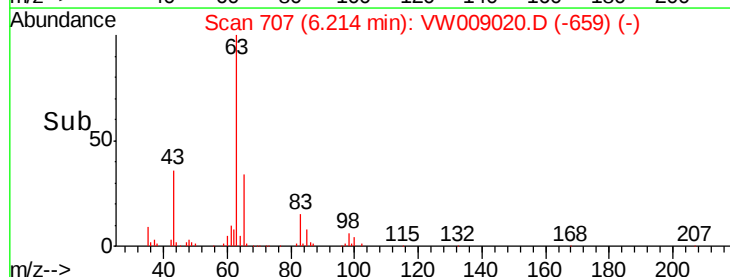
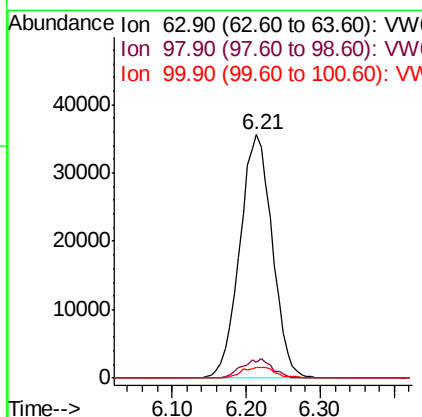
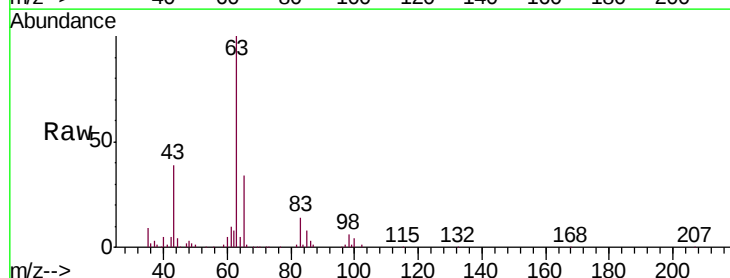
Tgt Ion: 63 Resp: 109144

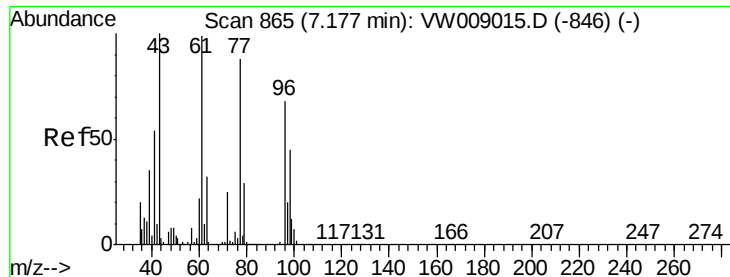
Ion Ratio Lower Upper

63 100

98 6.3 4.0 12.2

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 95.773 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

ClientSampled :

VW0306SBS01

Tgt Ion: 43 Resp: 90877

Ion Ratio Lower Upper

43 100

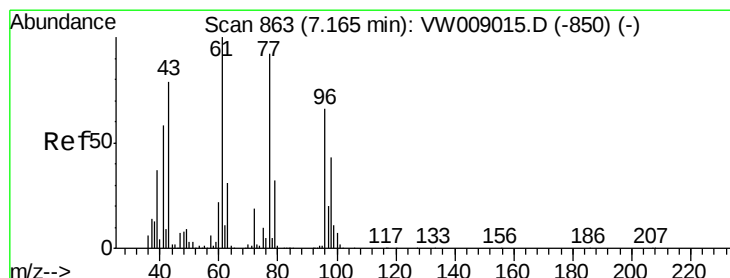
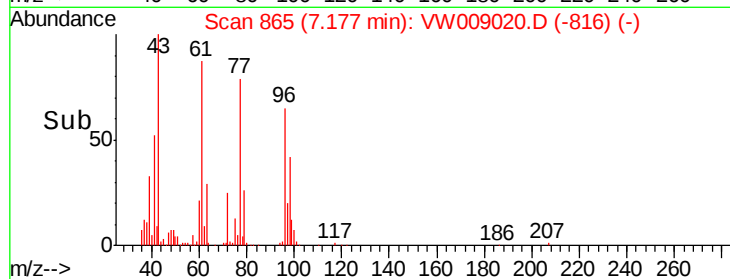
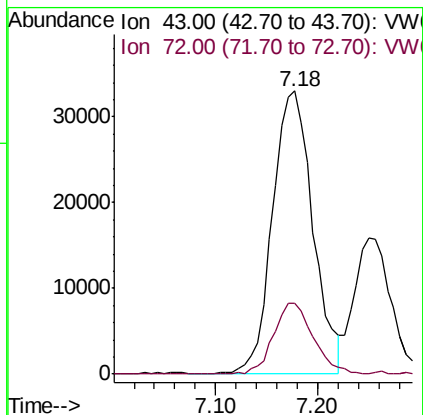
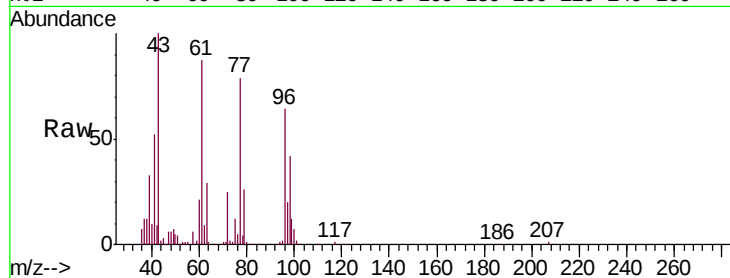
72 24.7 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 19.510 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009020.D

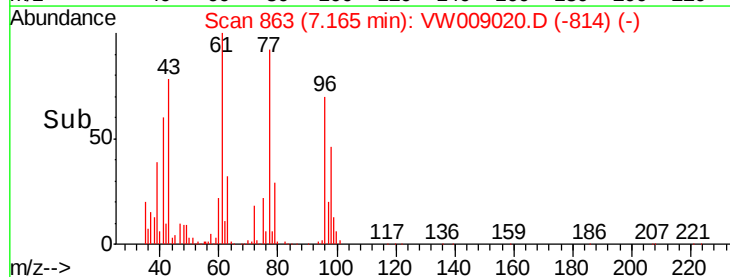
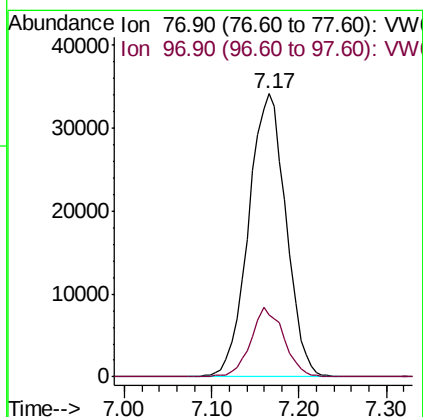
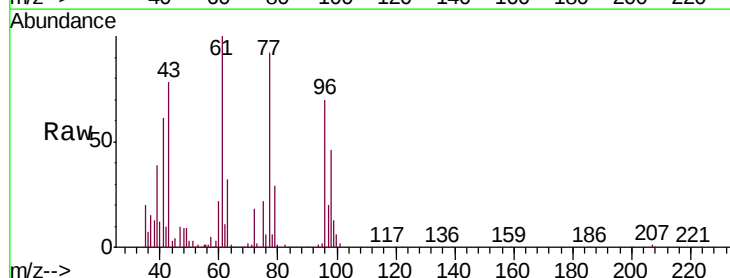
Acq: 06 Mar 2019 17:29

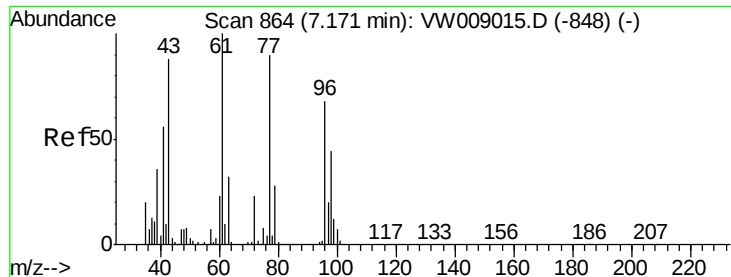
Tgt Ion: 77 Resp: 101278

Ion Ratio Lower Upper

77 100

97 21.7 10.7 32.1





#27

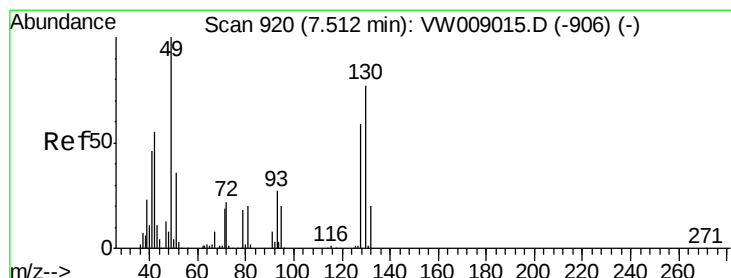
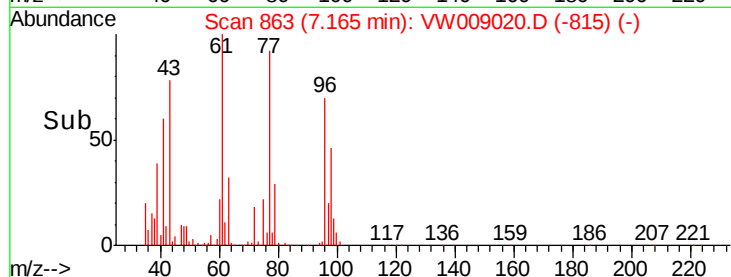
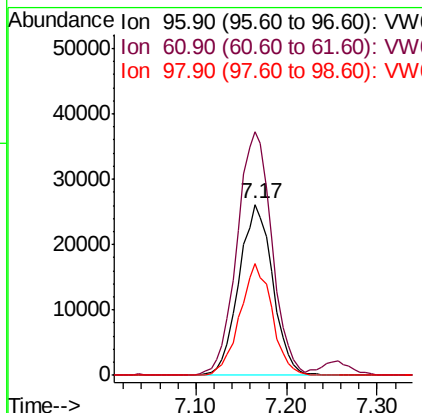
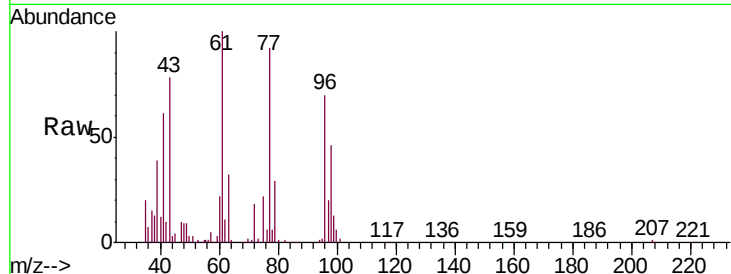
cis-1,2-Dichloroethene
Concen: 19.837 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	303.6
98	62.4	0.0	129.0

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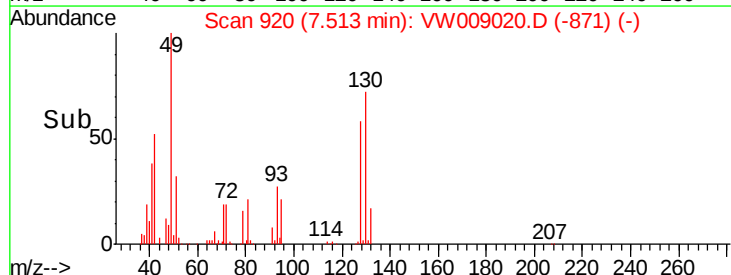
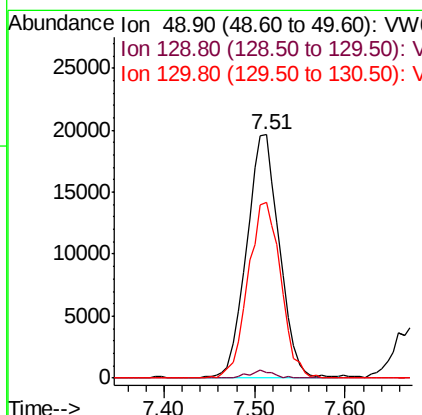
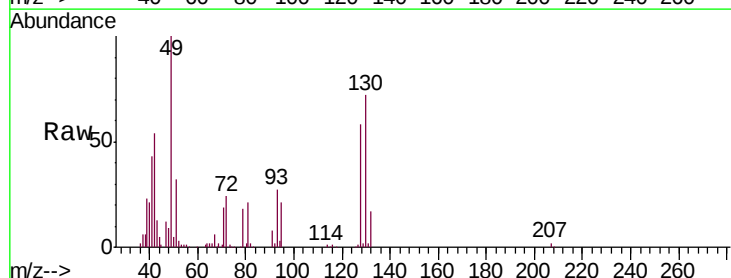
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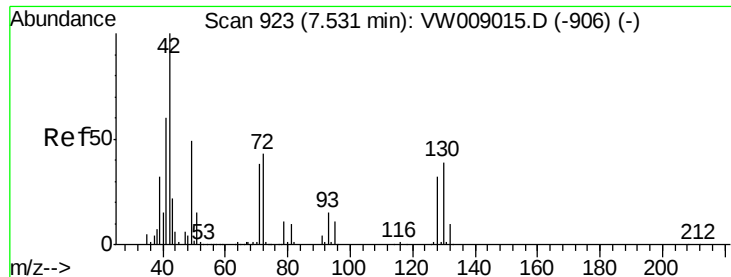


#28

Bromochloromethane
Concen: 19.965 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.2
130	71.9	59.9	89.9





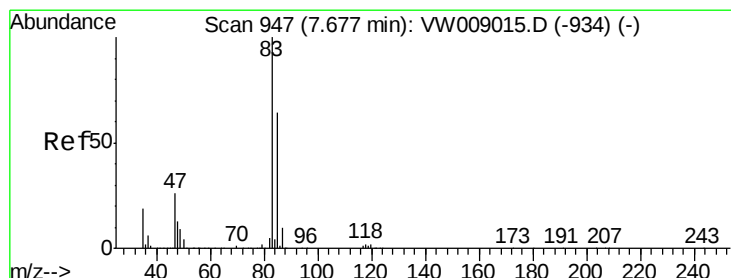
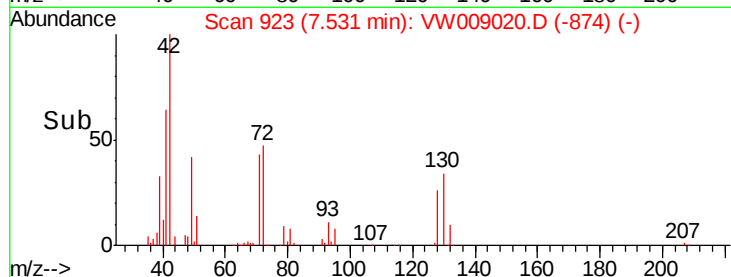
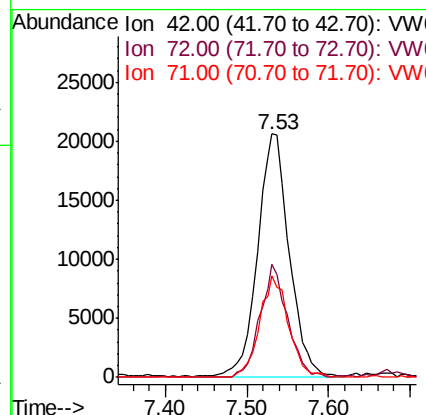
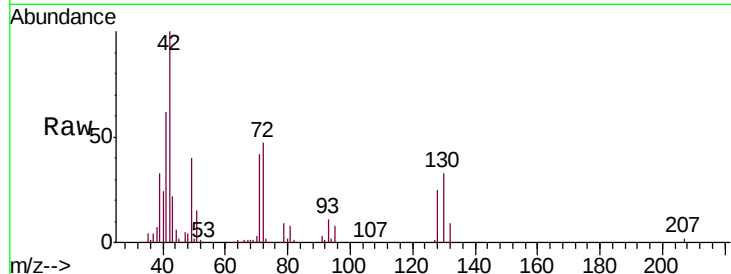
#29
Tetrahydrofuran
Concen: 92.892 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampled :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.5	48.7
71	38.3	31.6	47.4

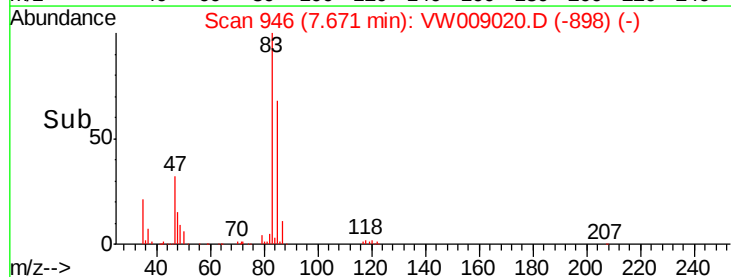
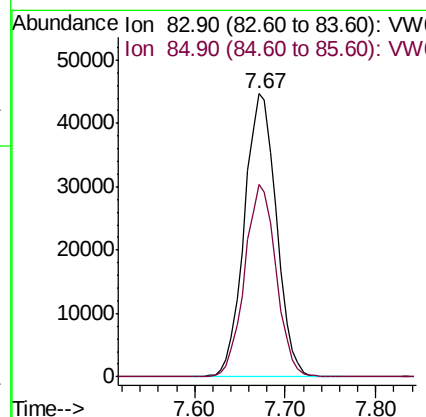
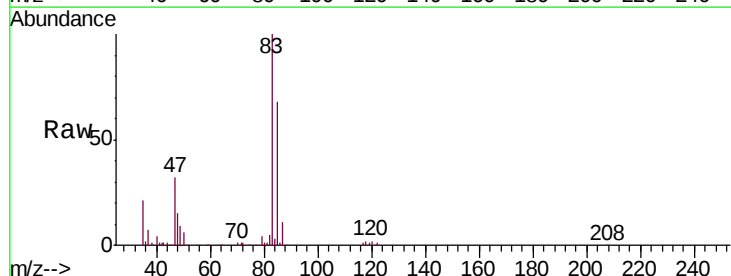
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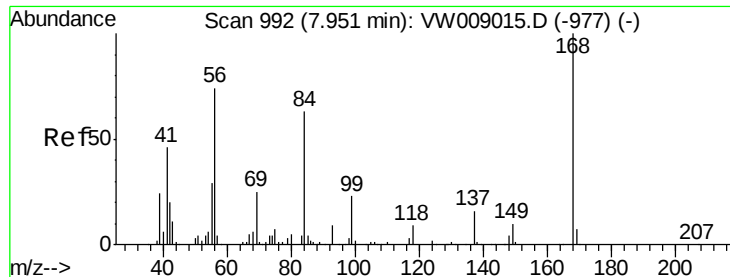
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#30
Chloroform
Concen: 18.785 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.1	51.4	77.0





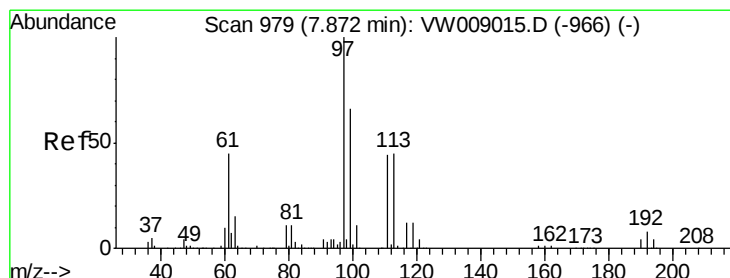
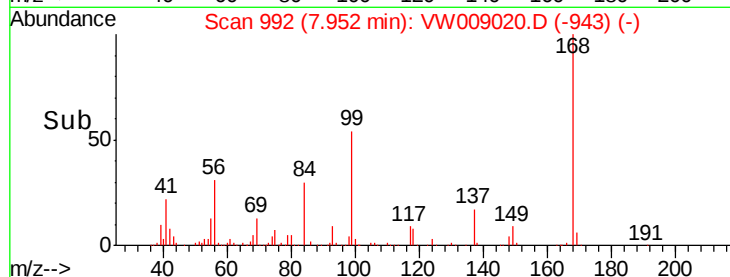
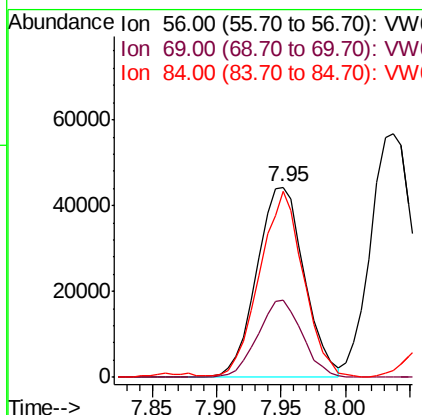
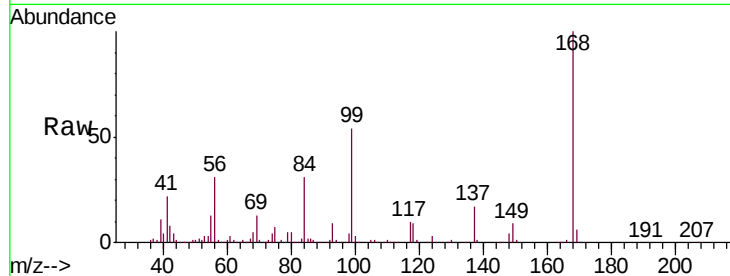
#31
Cyclohexane
Concen: 19.453 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	40.3	27.0	40.4
84	95.7	68.3	102.5

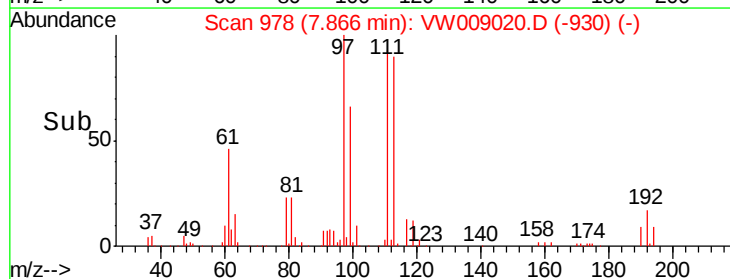
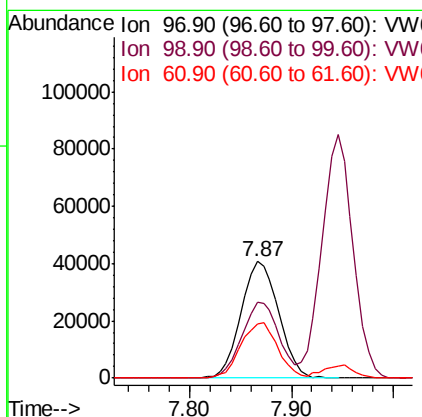
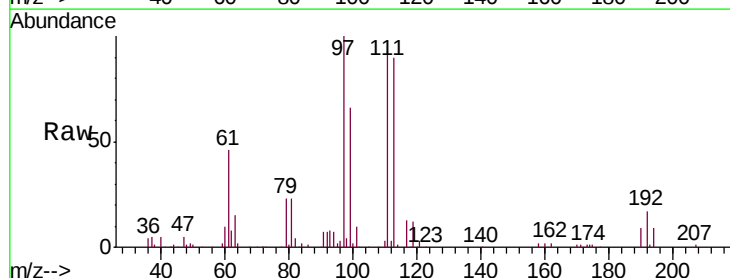
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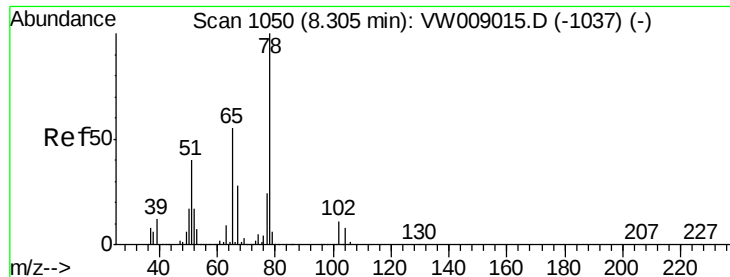
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#32
1,1,1-Trichloroethane
Concen: 19.581 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	46.6	37.4	56.0





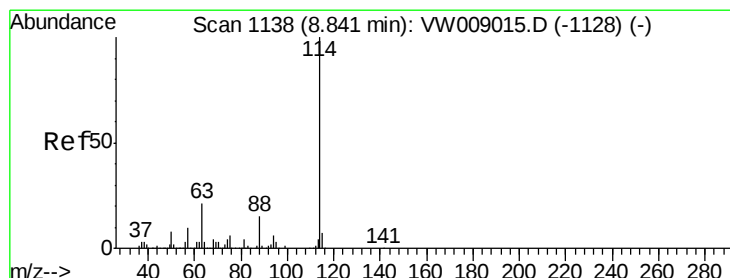
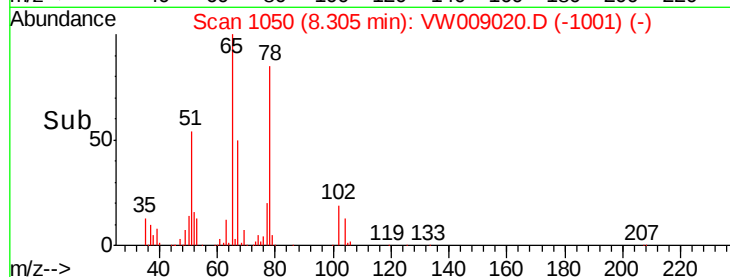
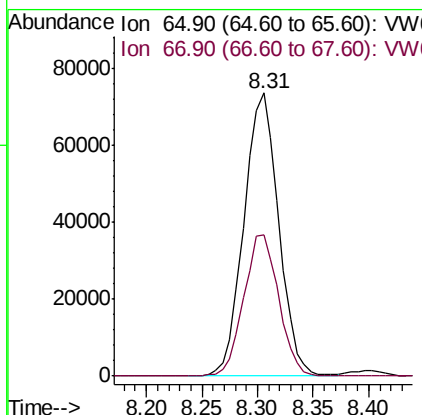
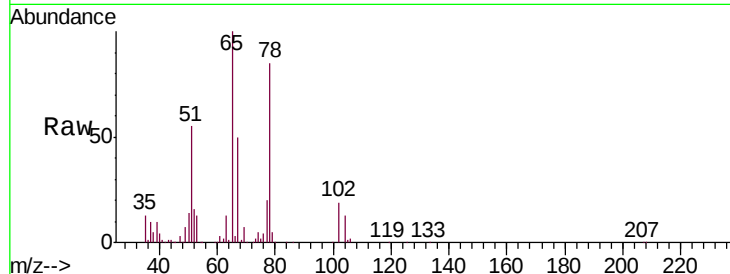
#33
 1,2-Dichloroethane-d4
 Concen: 49.281 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	160041		
67	50.3	0.0	102.2	

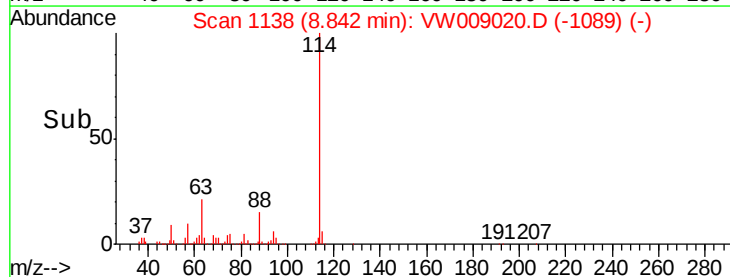
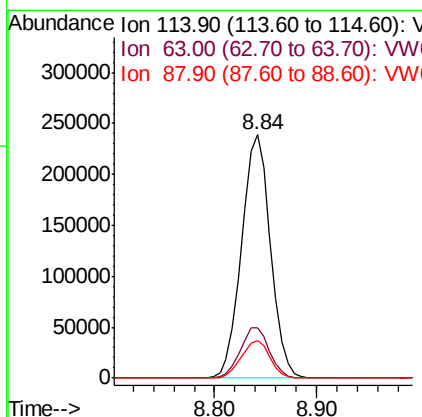
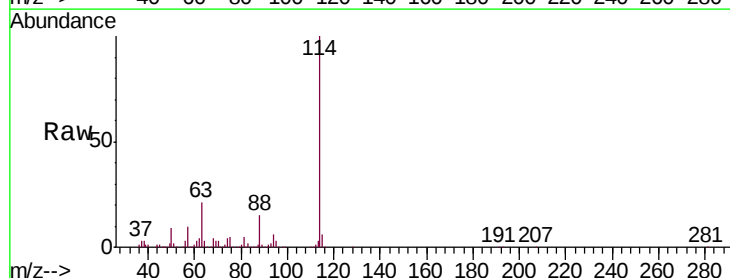
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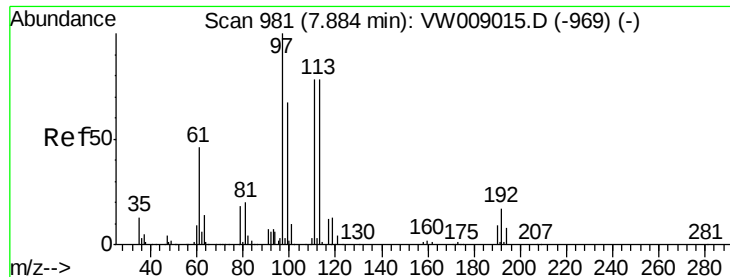
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	470030		
63	20.8	0.0	42.4	
88	15.4	0.0	30.8	





#35

Dibromofluoromethane

Concen: 48.236 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

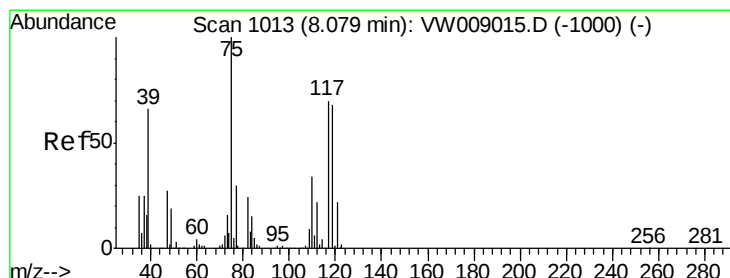
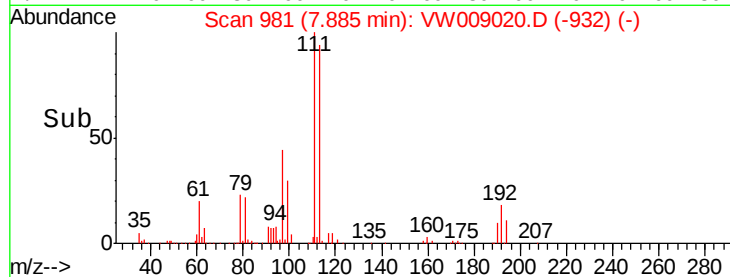
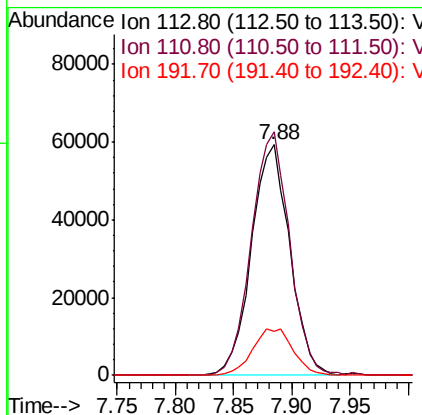
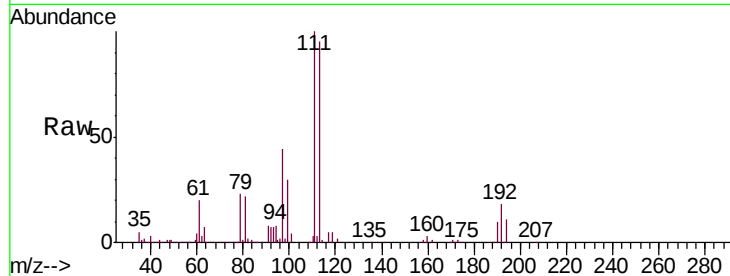
ClientSampleId :

VW0306SBS01

Tgt Ion:	113	Resp:	136484
Ion Ratio	Lower	Upper	
113	100		
111	105.3	80.5	120.7
192	21.5	16.7	25.1

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#36

1,1-Dichloropropene

Concen: 20.005 ug/l

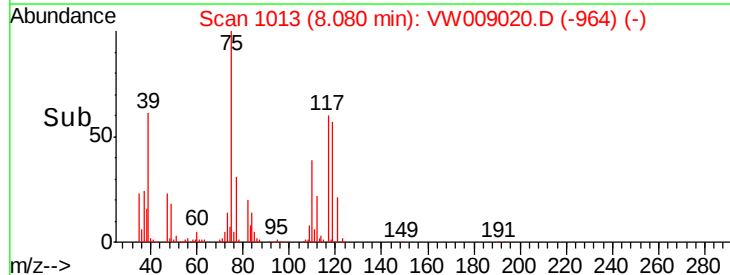
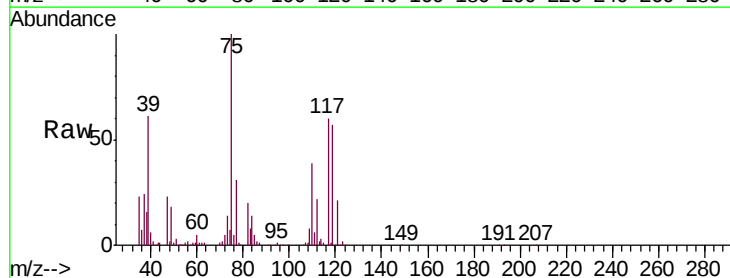
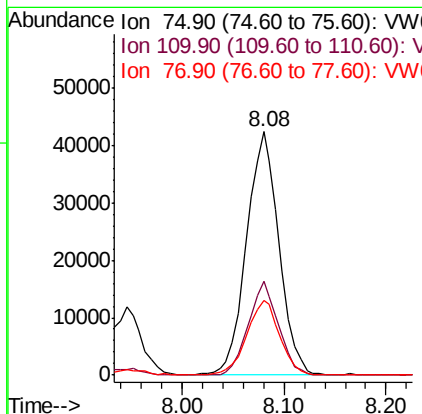
RT: 8.08 min Scan# 1013

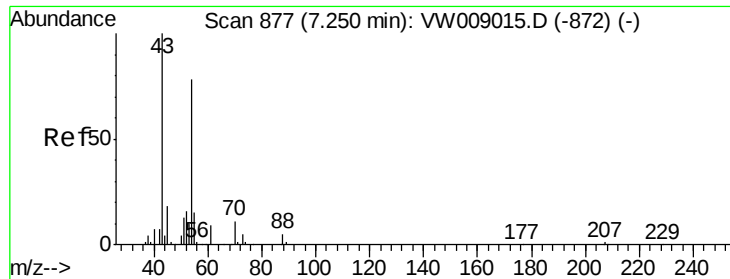
Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Tgt Ion:	75	Resp:	93494
Ion Ratio	Lower	Upper	
75	100		
110	35.8	17.3	51.9
77	31.3	24.8	37.2





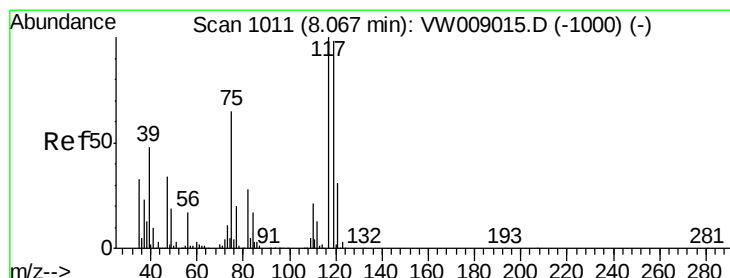
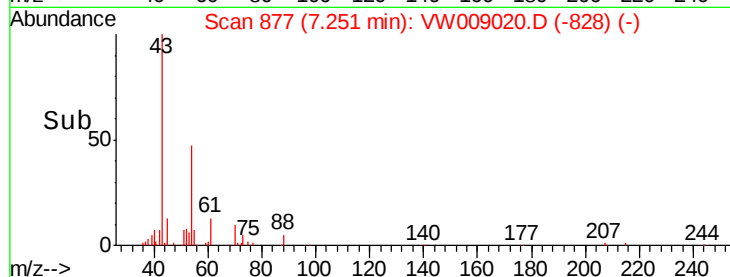
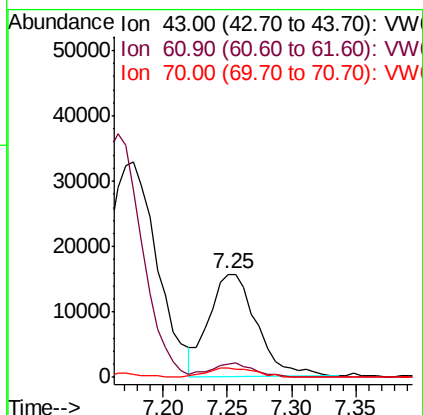
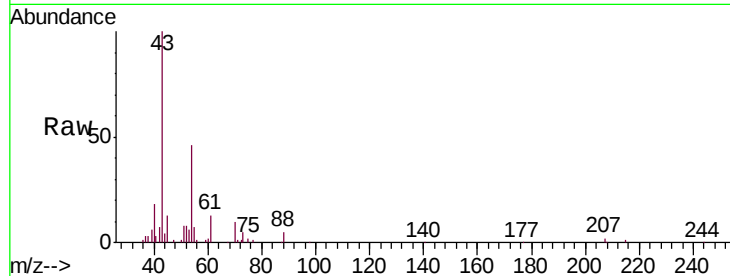
#37
Ethyl Acetate
Concen: 19.517 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampled :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.6	15.8
70	9.6	7.8	11.8

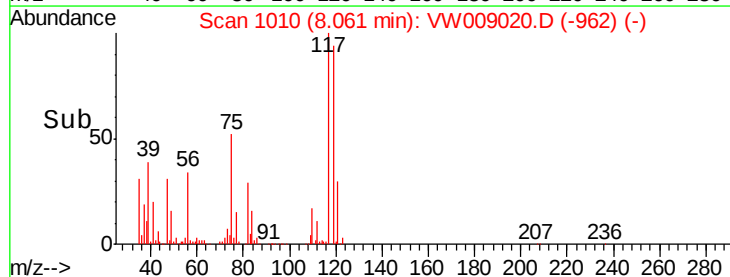
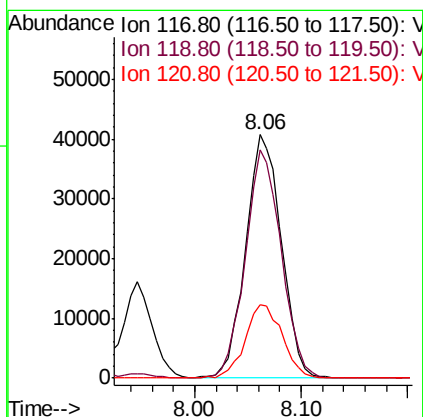
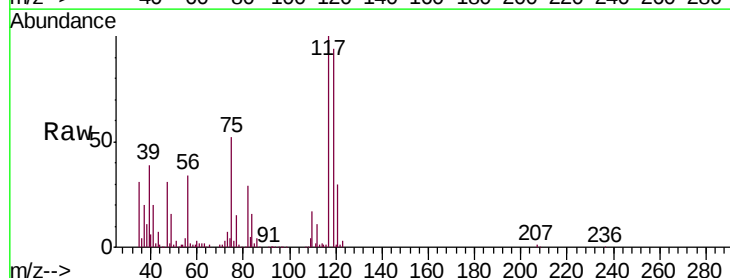
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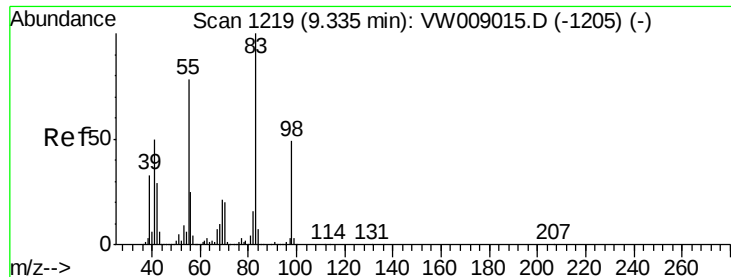
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#38
Carbon Tetrachloride
Concen: 19.839 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.4	117.6
121	30.1	24.7	37.1





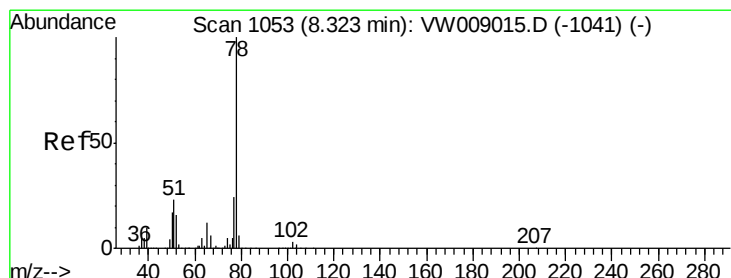
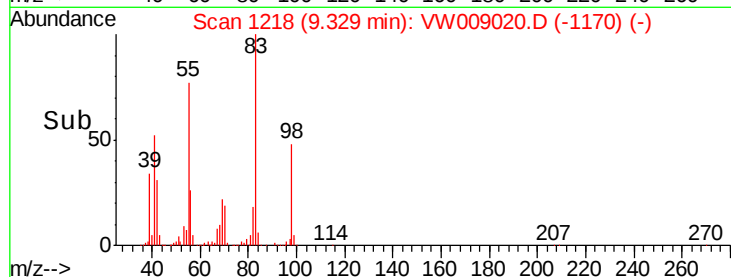
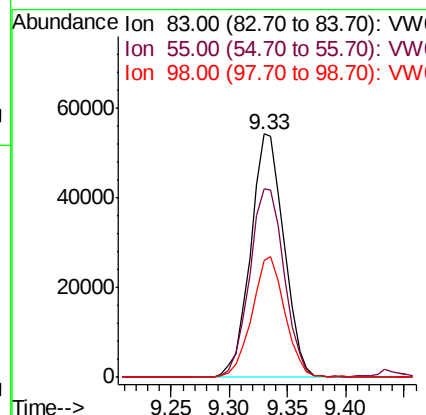
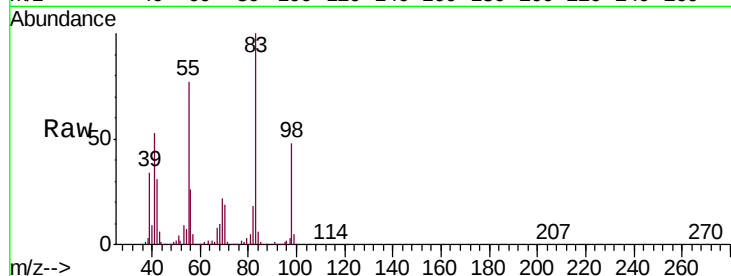
#39
Methylcyclohexane
Concen: 19.119 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.4	62.6	93.8
98	48.2	39.4	59.2

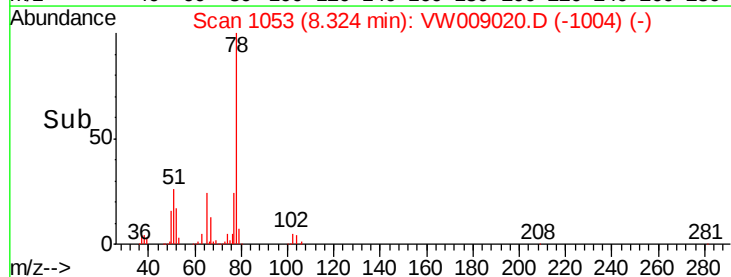
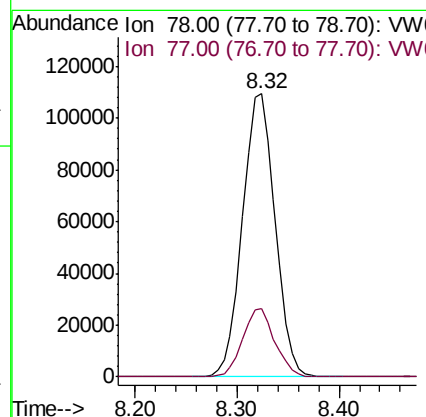
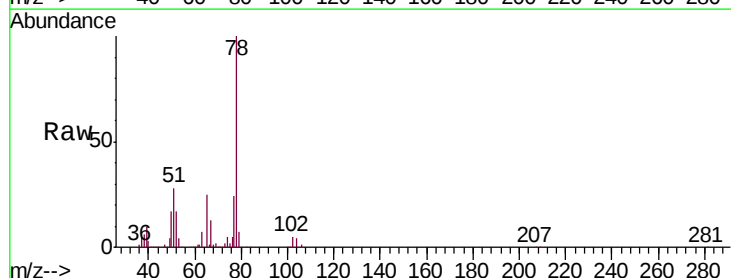
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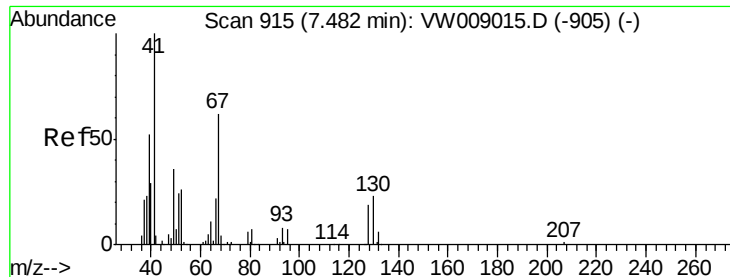
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#40
Benzene
Concen: 19.238 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





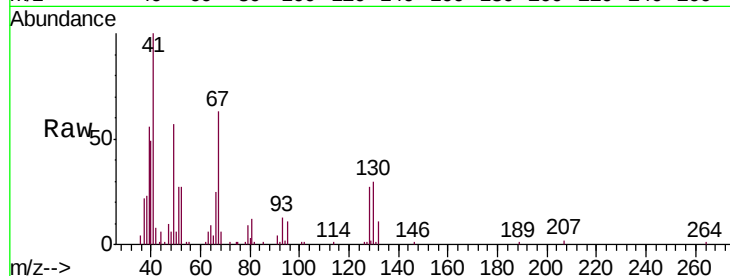
#41
Methacrylonitrile
Concen: 19.677 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

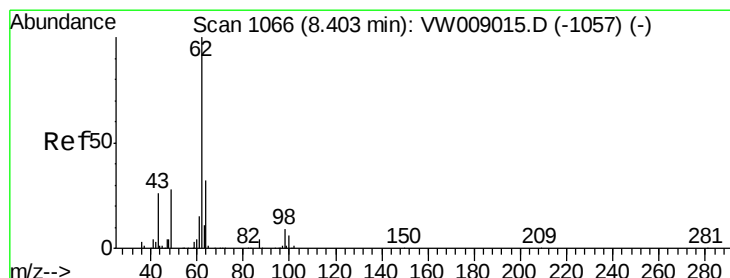
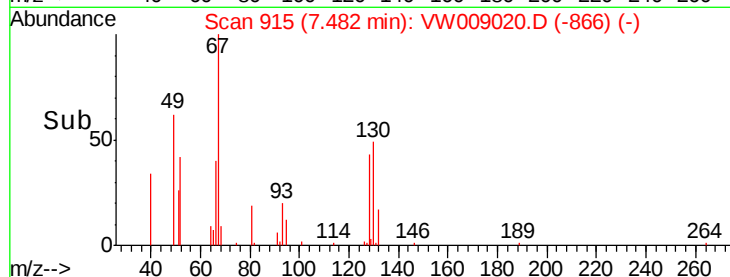
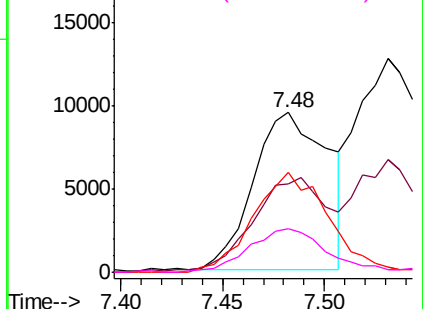
Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.8	50.6	75.8
67	63.8	59.0	88.6
52	29.1	26.6	39.8

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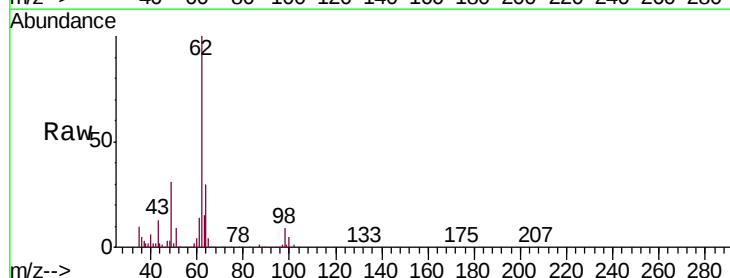


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

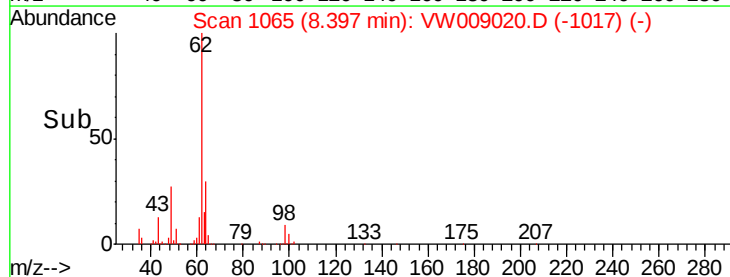
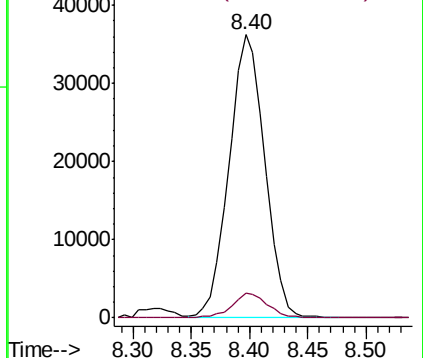


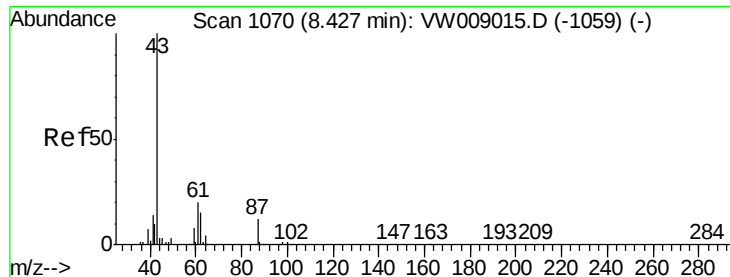
#42
1,2-Dichloroethane
Concen: 19.123 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





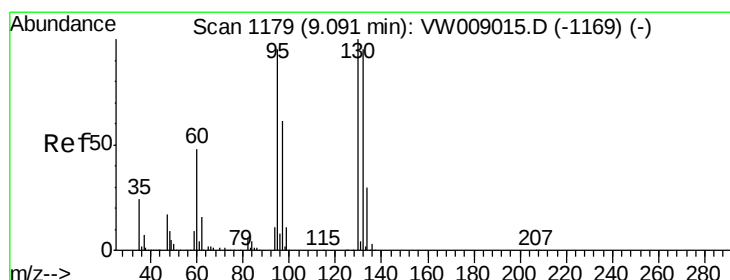
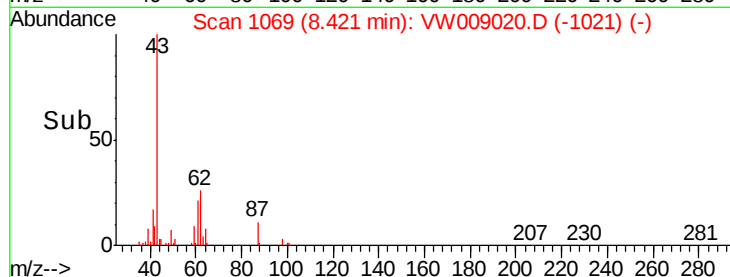
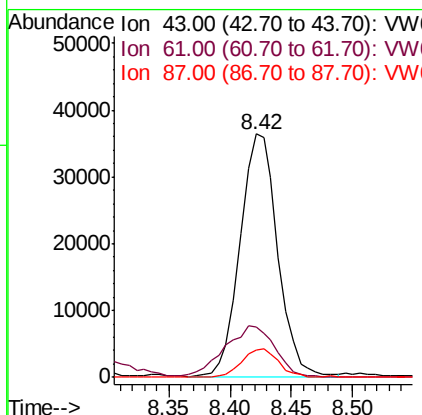
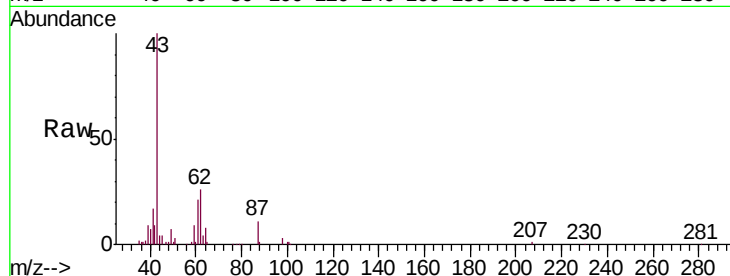
#43
Isopropyl Acetate
Concen: 18.951 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.5	35.3
87	11.9	9.4	14.2

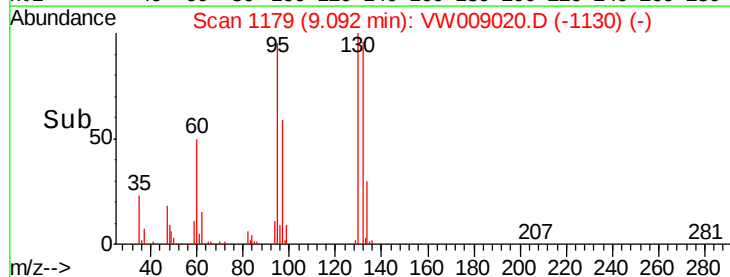
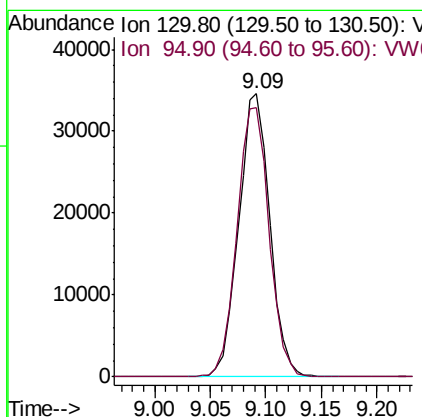
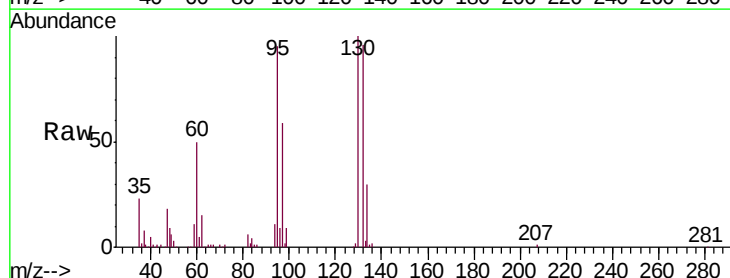
Manual Integrations
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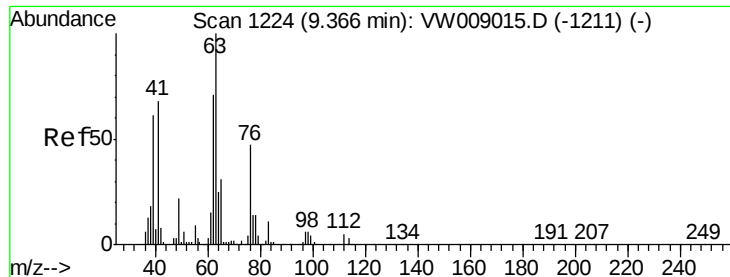
MMDadoda
3/8/2019 12:07:12 AM



#44
Trichloroethene
Concen: 19.060 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	190.0





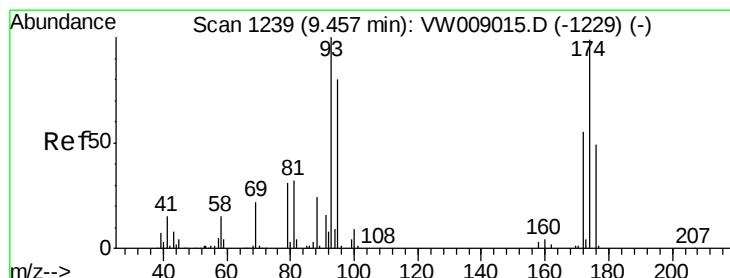
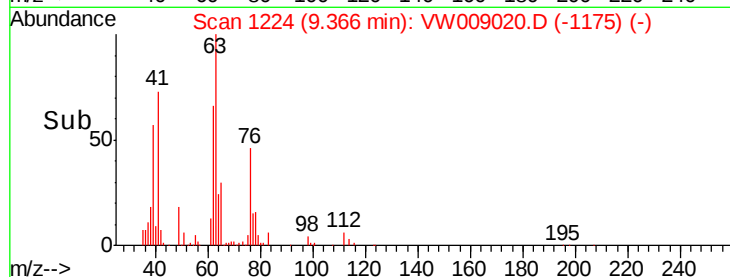
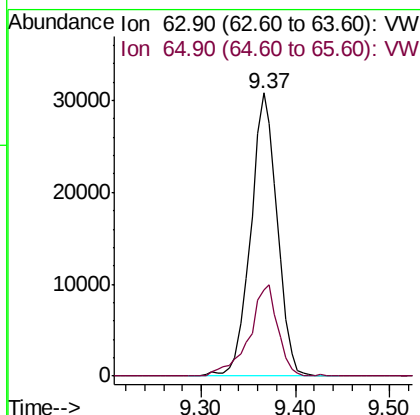
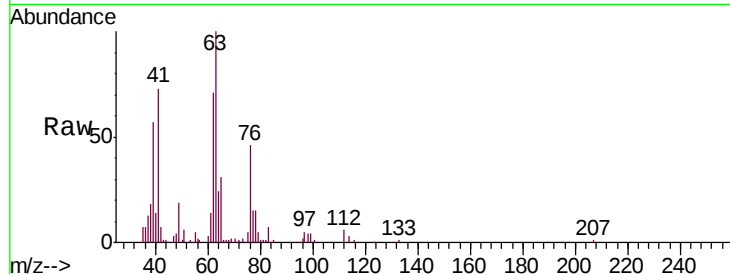
#45
 1,2-Dichloropropane
 Concen: 19.498 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Instrument :
 MSVOA_W
 ClientSampled :
 VW0306SBS01

Tgt Ion: 63 Resp: 60934
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4

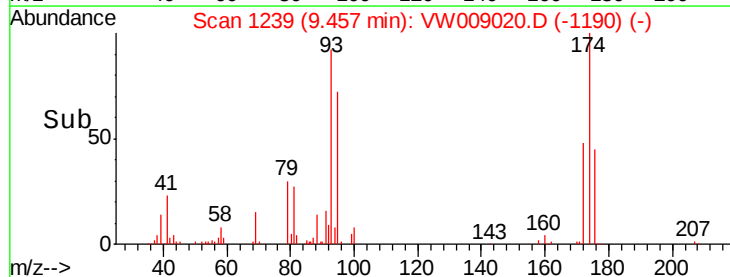
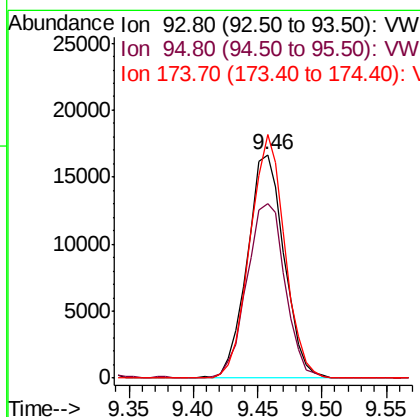
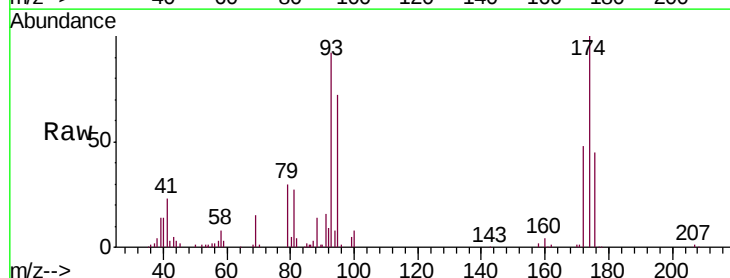
Manual Integrations
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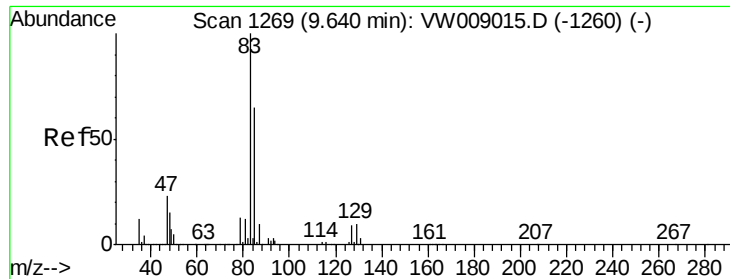
MMDadoda
 3/8/2019 12:07:12 AM



#46
 Dibromomethane
 Concen: 19.116 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Tgt Ion: 93 Resp: 32958
 Ion Ratio Lower Upper
 93 100
 95 81.0 64.1 96.1
 174 102.6 81.3 121.9





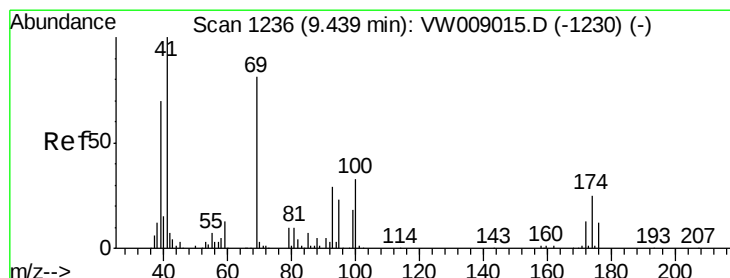
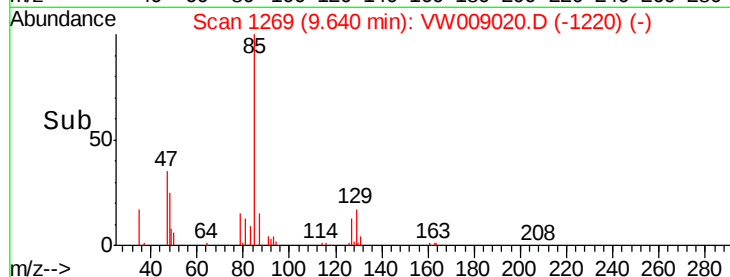
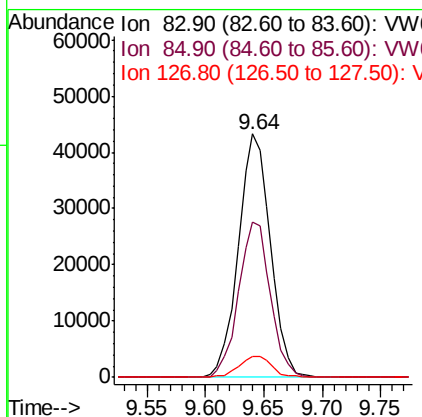
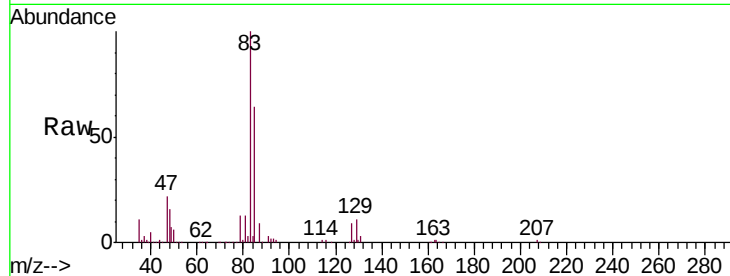
#47
Bromodichloromethane
Concen: 19.100 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	82551		
85	63.9		51.9	77.9
127	8.5		7.0	10.6

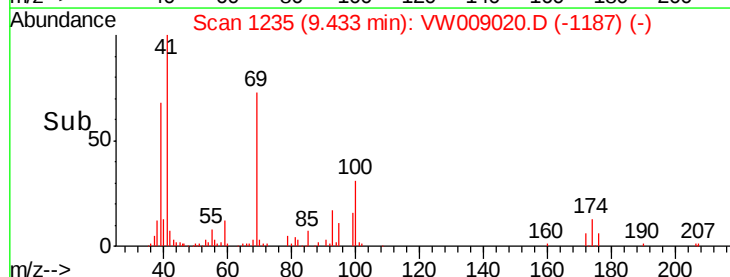
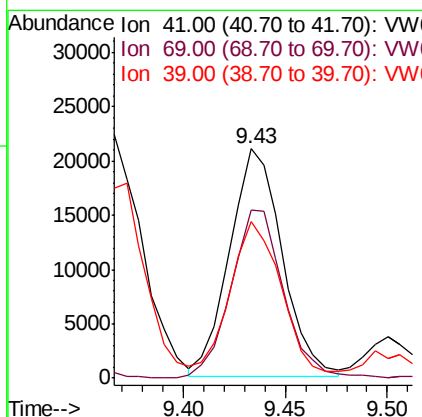
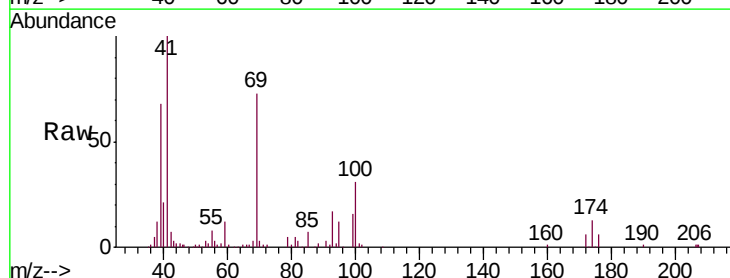
Manual Integrations
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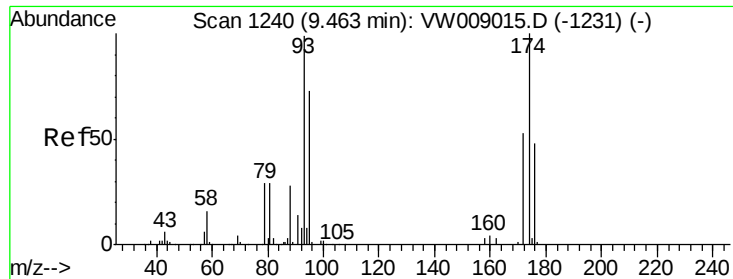
MMDadoda
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#48
Methyl methacrylate
Concen: 19.664 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	37759		
69	74.1		61.8	92.6
39	61.8		50.5	75.7





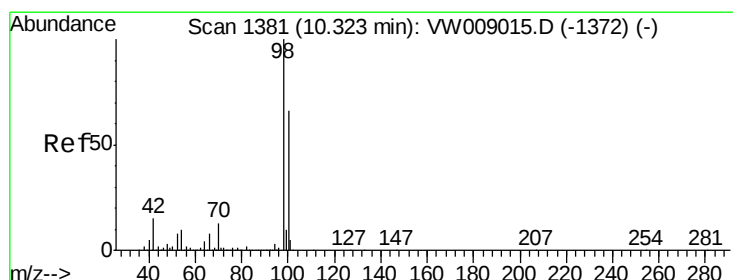
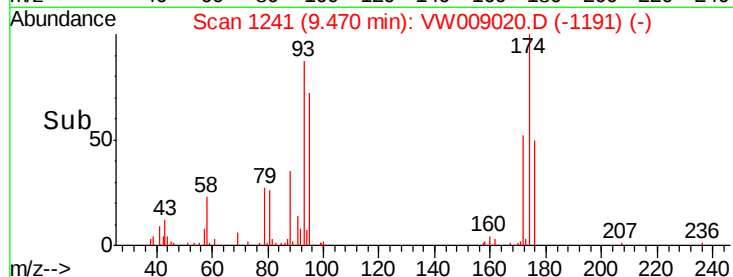
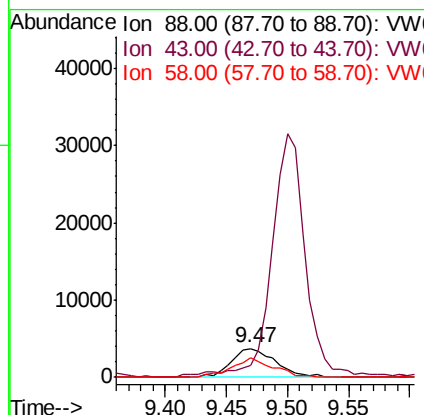
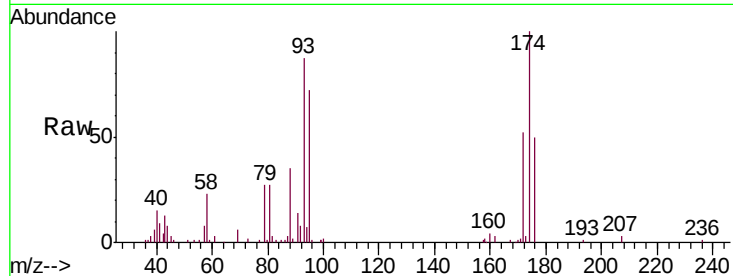
#49
1,4-Dioxane
Concen: 394.079 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	64.1	55.0	82.6

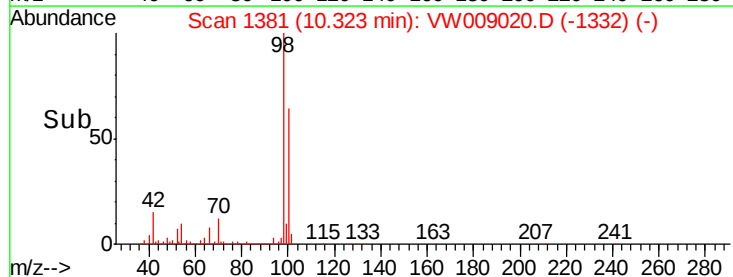
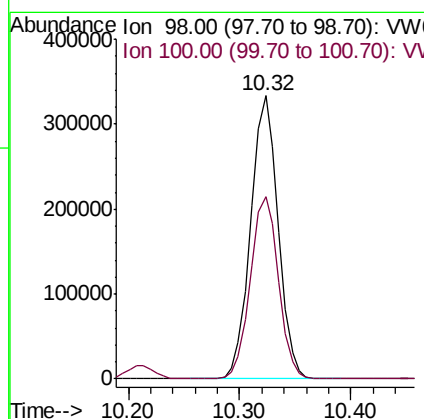
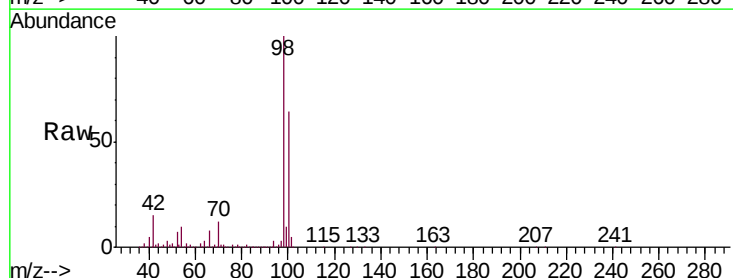
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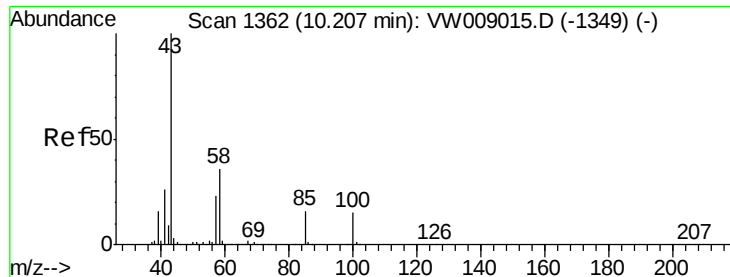
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#50
Toluene-d8
Concen: 49.275 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.9	79.3





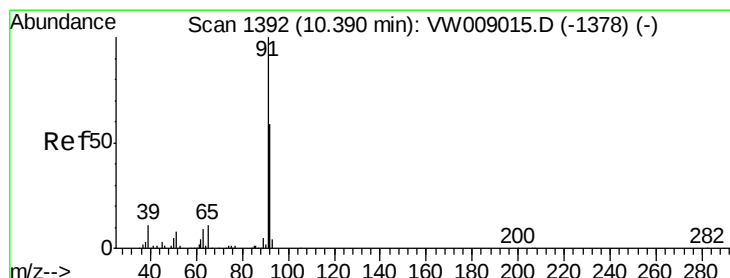
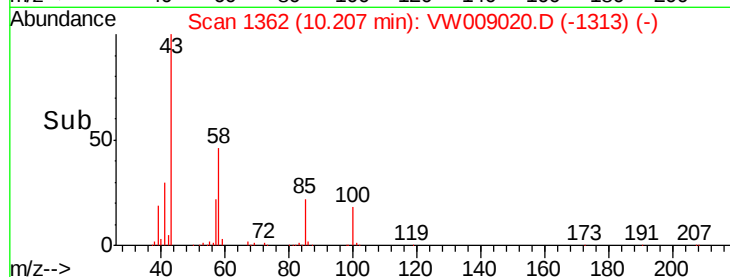
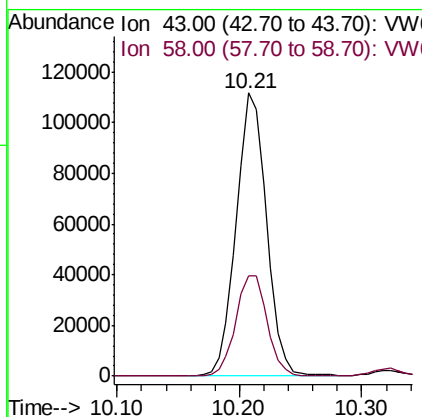
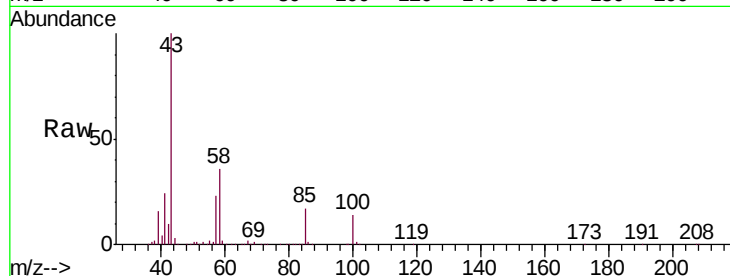
#51
4-Methyl-2-Pentanone
Concen: 93.238 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion: 43 Resp: 191604
Ion Ratio Lower Upper
43 100
58 36.9 29.0 43.4

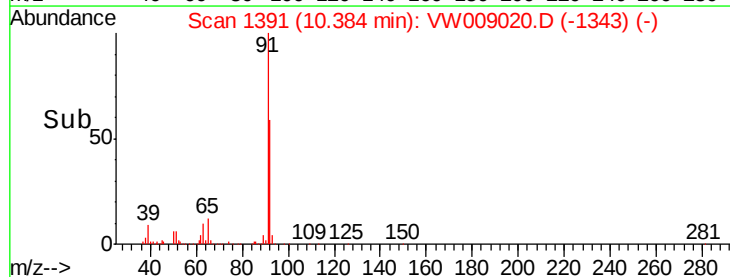
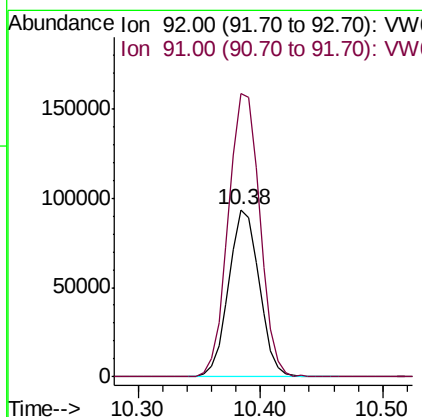
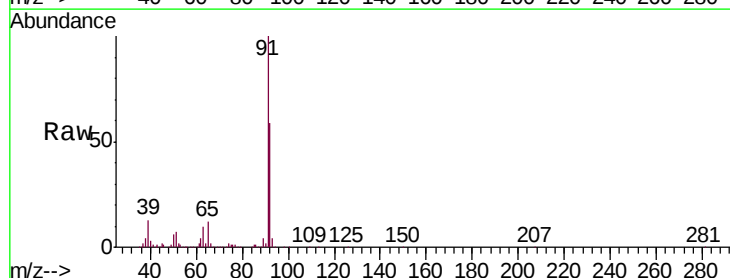
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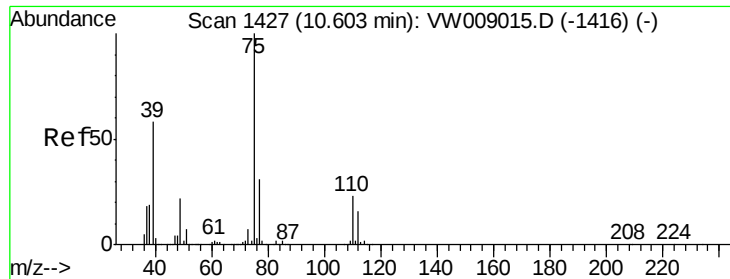
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#52
Toluene
Concen: 18.990 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion: 92 Resp: 161606
Ion Ratio Lower Upper
92 100
91 174.6 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 19.019 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

ClientSampled :

VW0306SBS01

Tgt Ion: 75 Resp: 81540

Ion Ratio Lower Upper

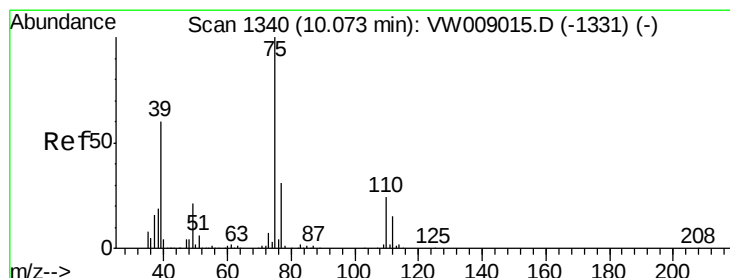
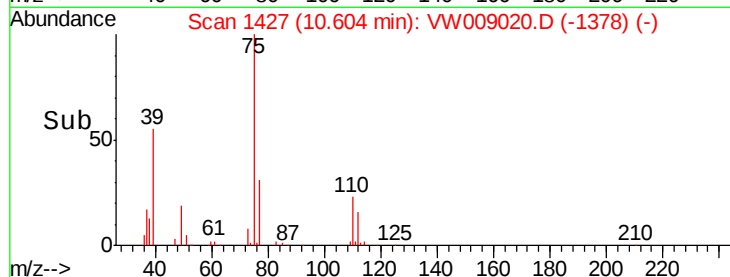
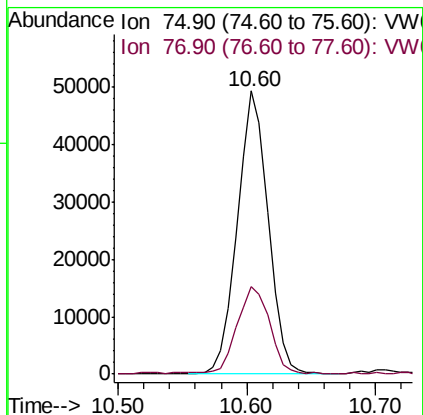
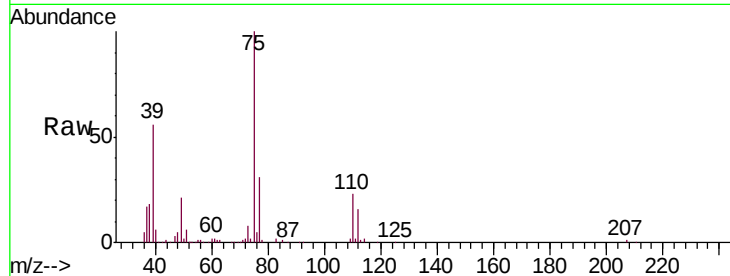
75 100

77 30.5 24.8 37.2

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.171 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

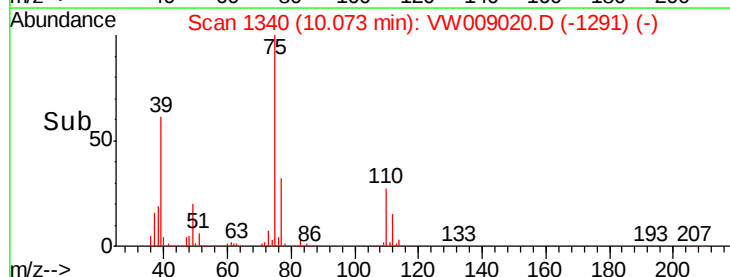
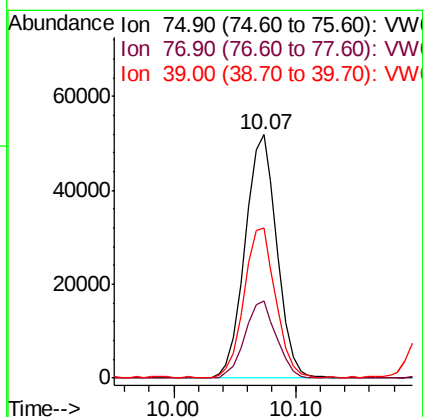
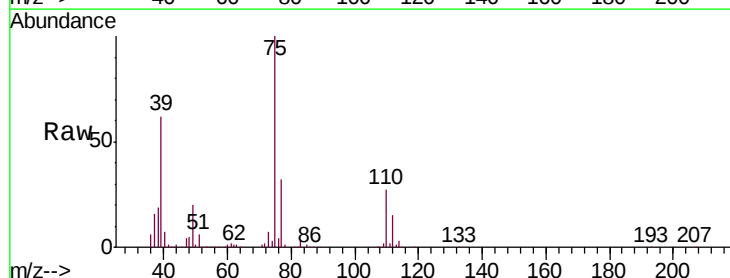
Tgt Ion: 75 Resp: 93829

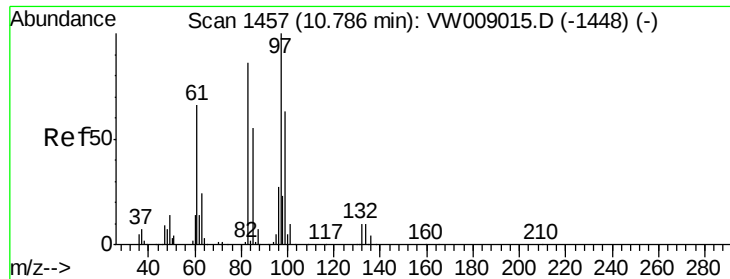
Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4

39 61.4 48.2 72.2





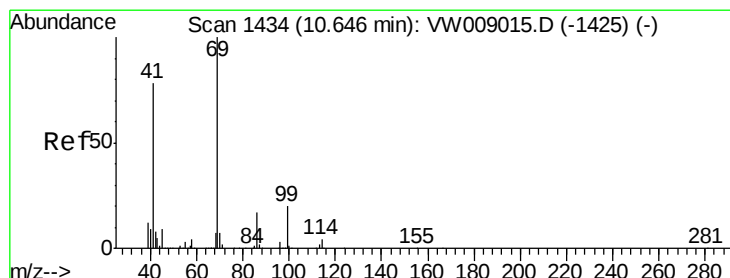
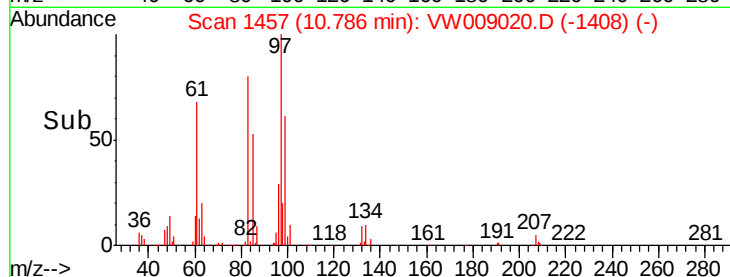
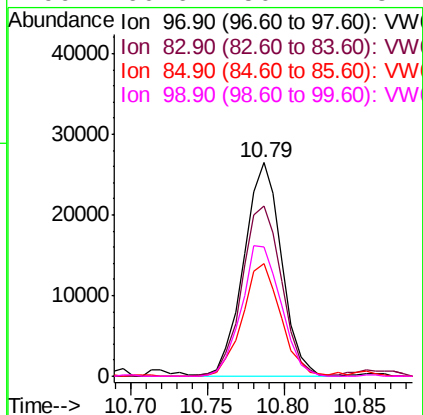
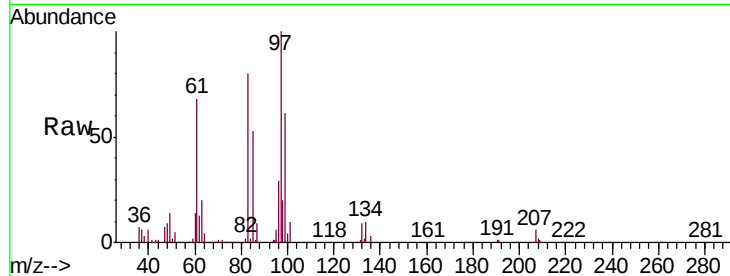
#55
 1,1,2-Trichloroethane
 Concen: 19.421 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion:	97	Resp:	45478
Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.8	103.2
85	52.5	43.7	65.5
99	60.6	50.1	75.1

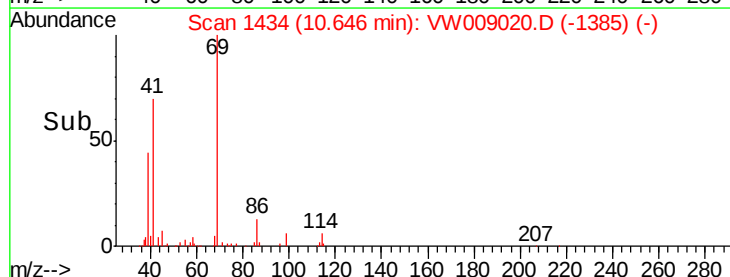
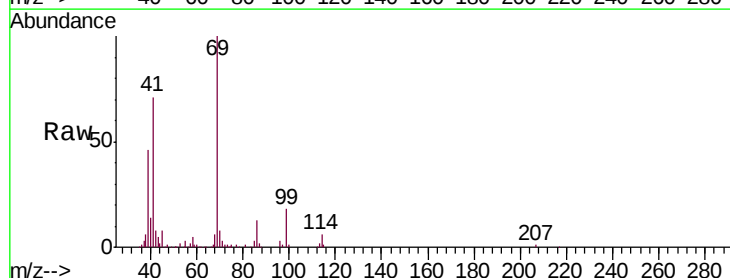
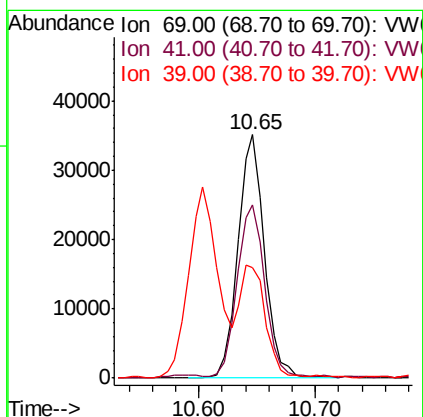
Manual Integrations
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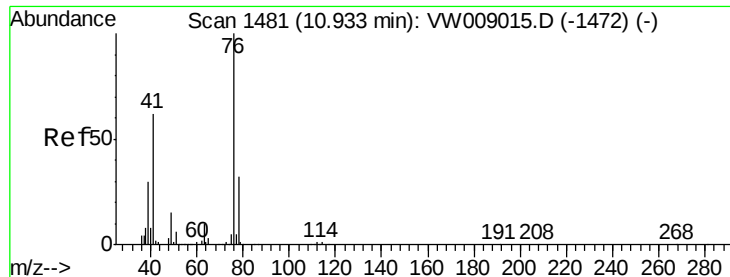
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 3/8/2019 12:07:12 AM



#56
 Ethyl methacrylate
 Concen: 19.202 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Tgt Ion:	69	Resp:	55619
Ion	Ratio	Lower	Upper
69	100		
41	73.2	58.9	88.3
39	44.7	37.6	56.4





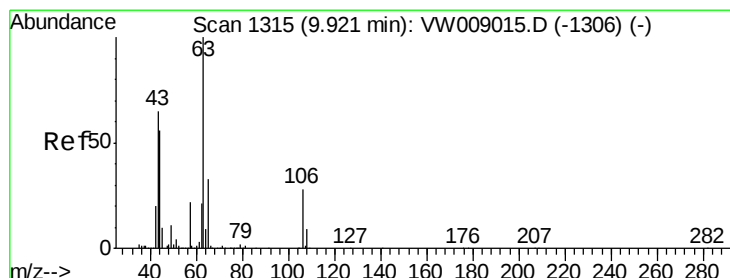
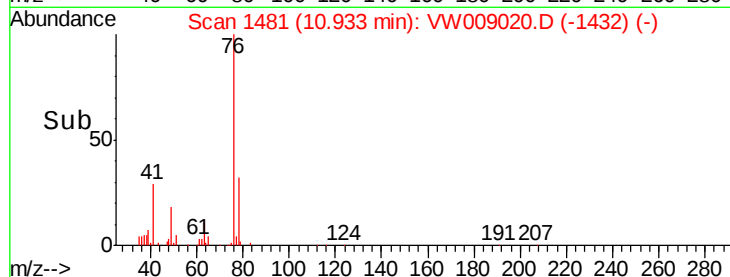
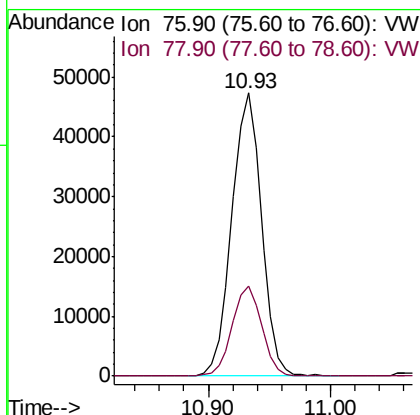
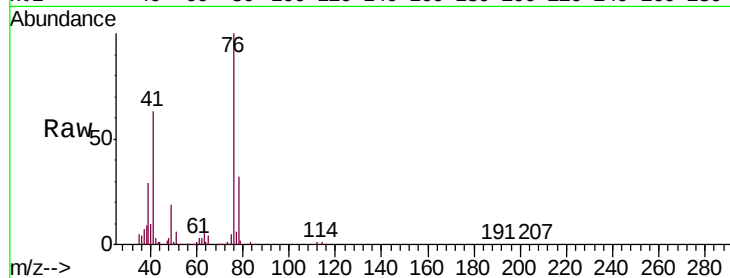
#57
 1,3-Dichloropropane
 Concen: 19.319 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion: 76 Resp: 79553
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.6 38.4

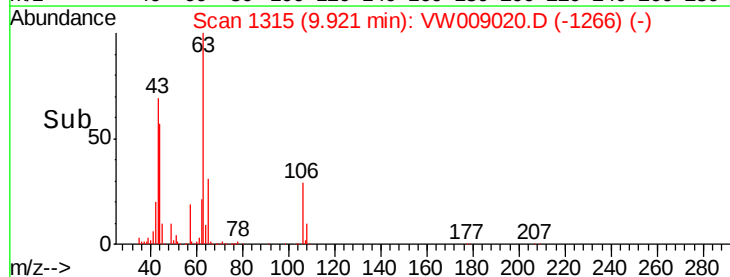
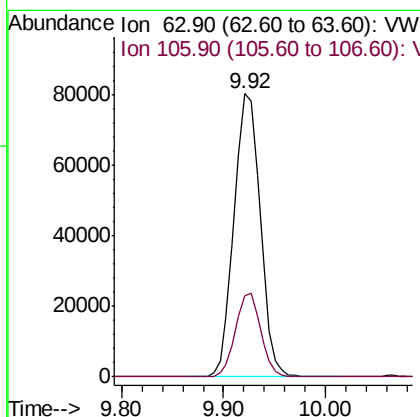
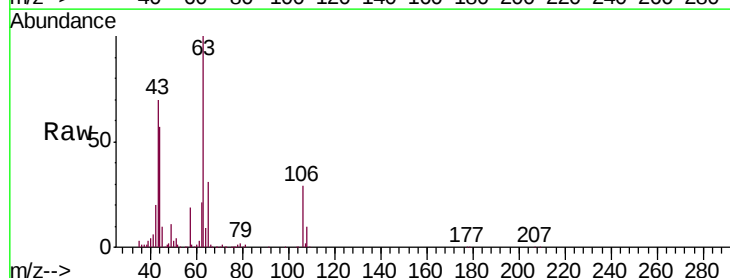
Manual Integrations
 APPROVED

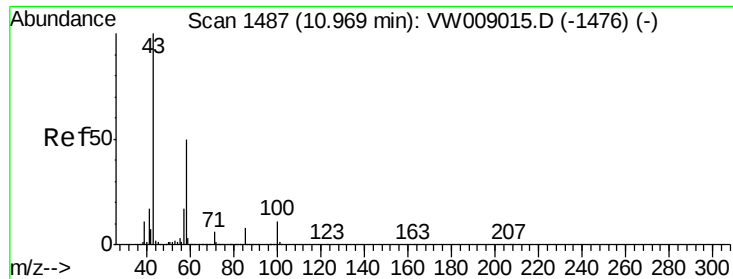
MMDadoda
 3/8/2019 12:07:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.947 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Tgt Ion: 63 Resp: 142859
 Ion Ratio Lower Upper
 63 100
 106 28.5 23.0 34.6





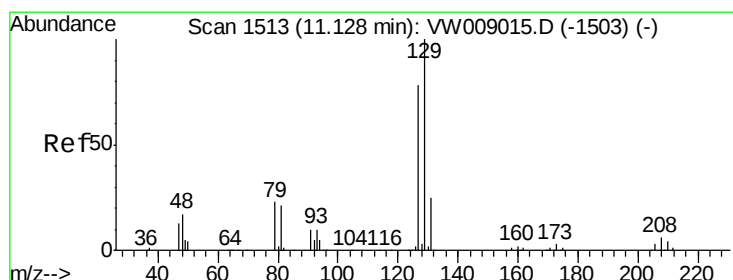
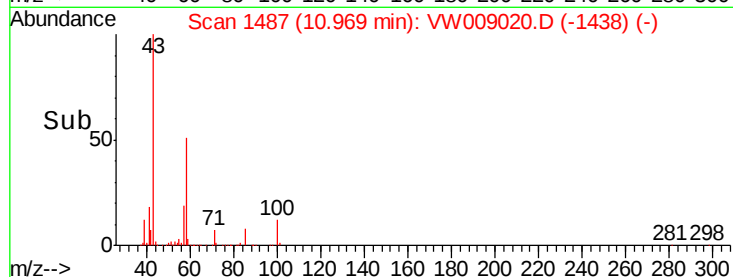
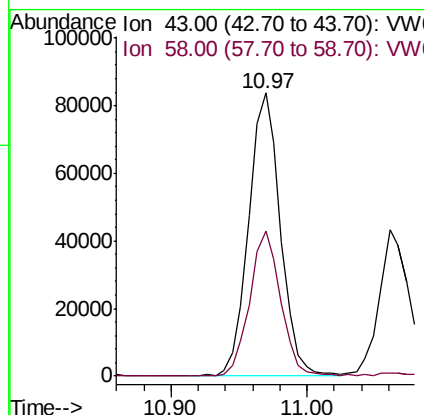
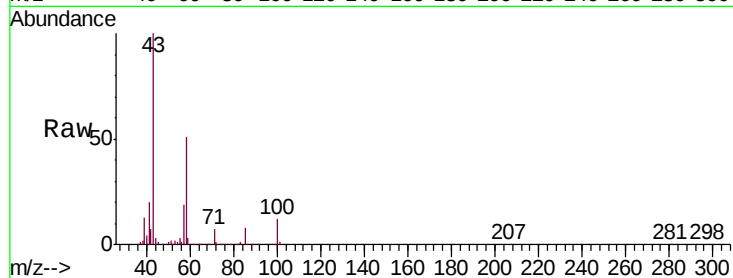
#59
2-Hexanone
Concen: 94.812 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion: 43 Resp: 136972
Ion Ratio Lower Upper
43 100
58 50.1 25.3 75.8

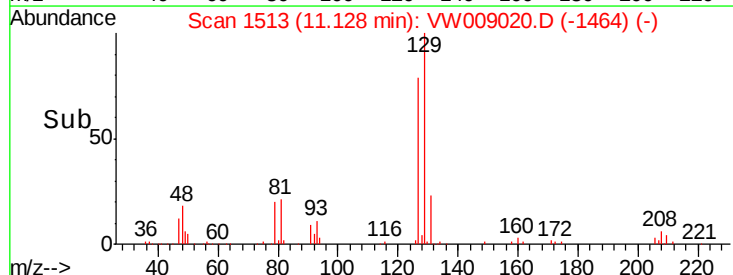
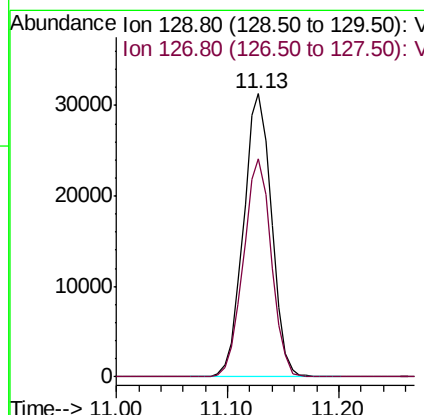
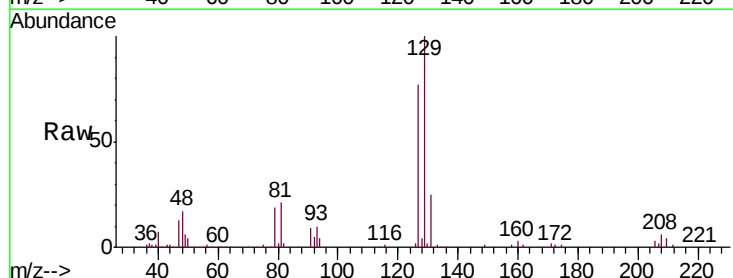
Manual Integrations
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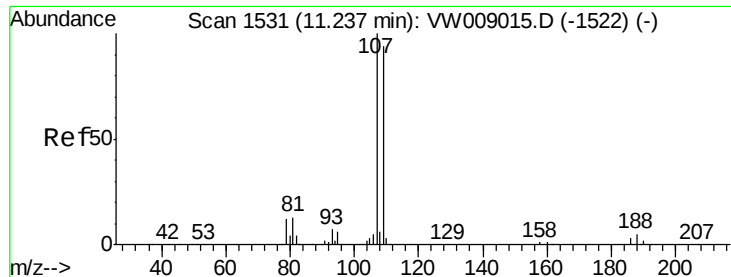
MMDadoda
3/8/2019 12:07:12 AM



#60
Dibromochloromethane
Concen: 19.238 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion: 129 Resp: 54717
Ion Ratio Lower Upper
129 100
127 76.3 39.0 116.9





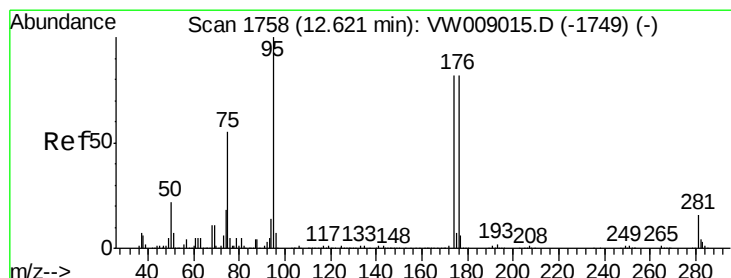
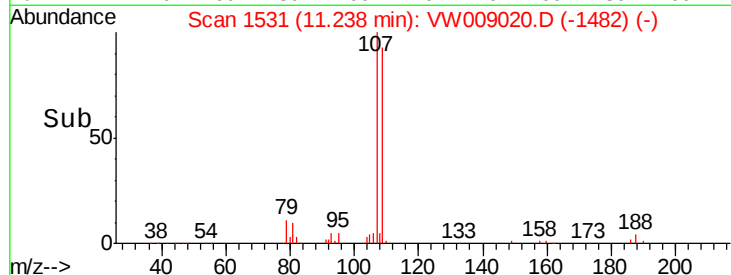
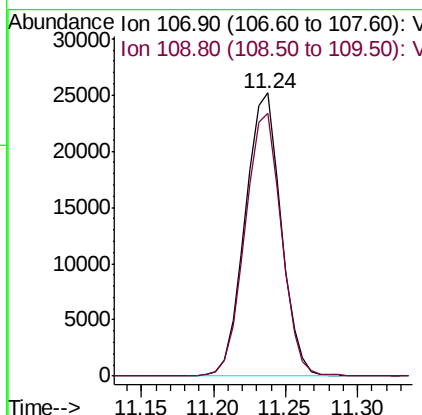
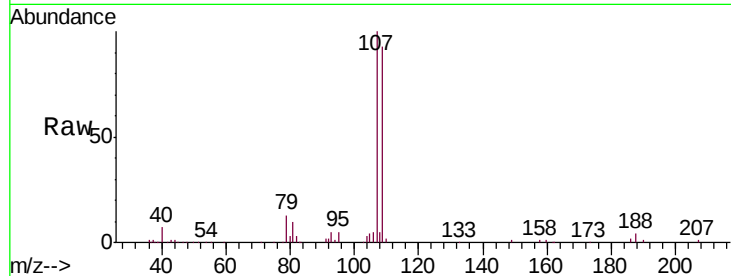
#61
 1,2-Dibromoethane
 Concen: 19.500 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion: 107 Resp: 43279
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.7 113.5

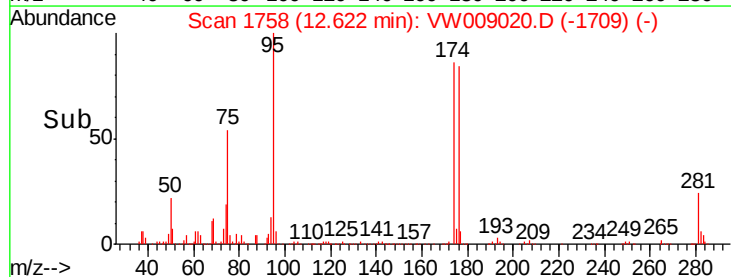
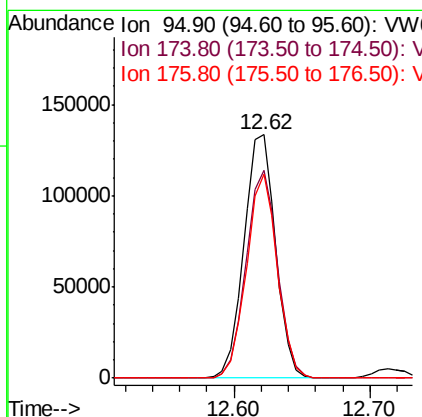
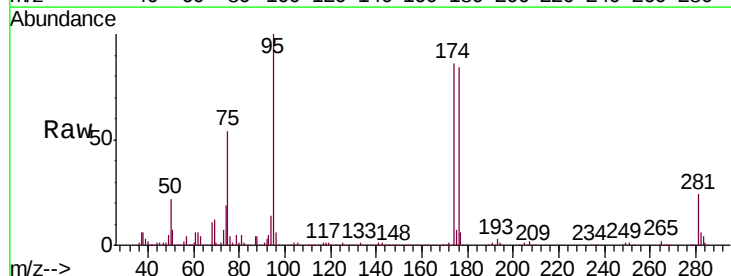
Manual Integrations
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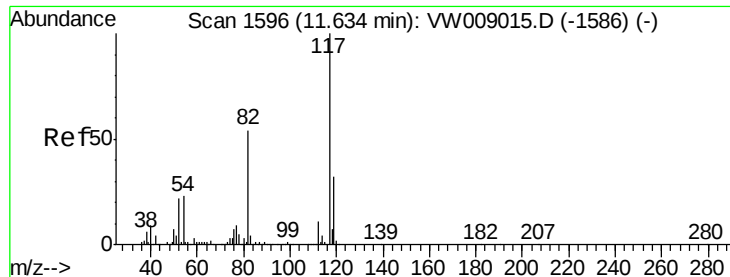
MMDadoda
 3/8/2019 12:07:12 AM



#62
 4-Bromofluorobenzene
 Concen: 48.290 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Tgt Ion: 95 Resp: 216856
 Ion Ratio Lower Upper
 95 100
 174 85.2 0.0 165.8
 176 81.7 0.0 159.8





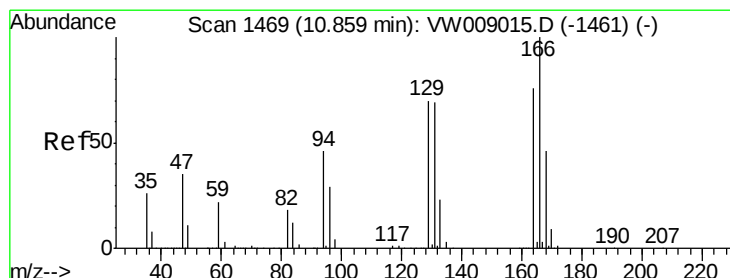
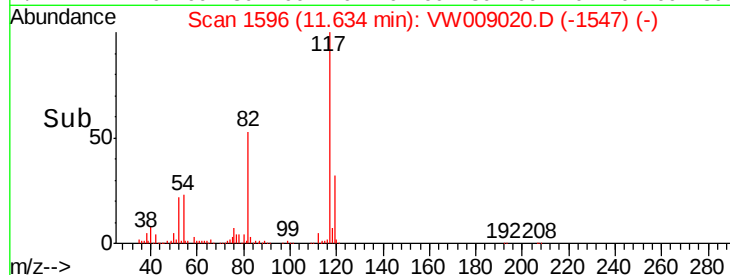
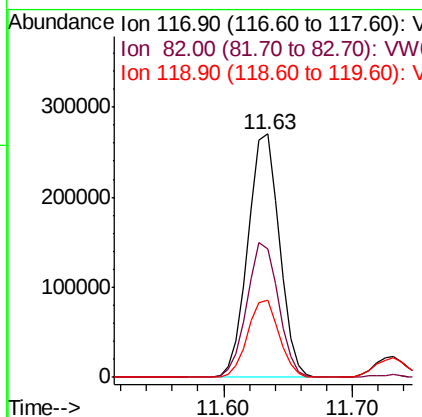
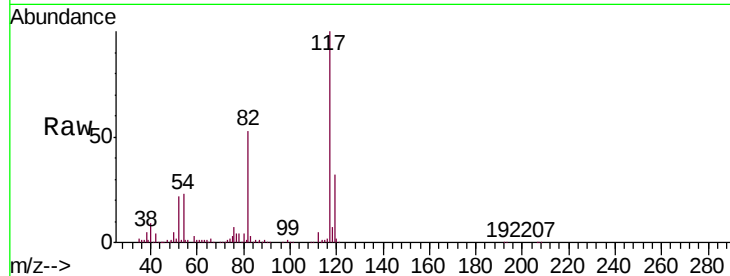
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	455174		
82	52.9	43.4	65.2	
119	31.9	25.8	38.8	

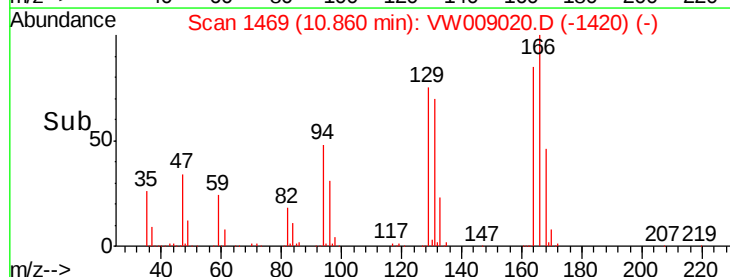
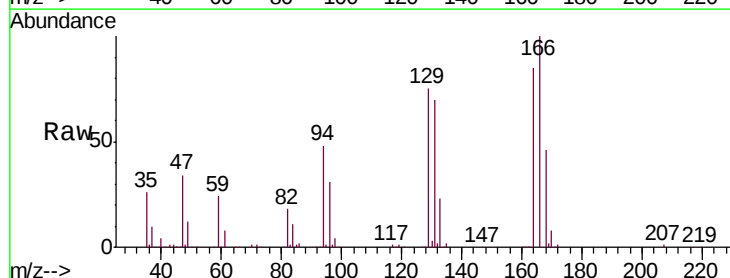
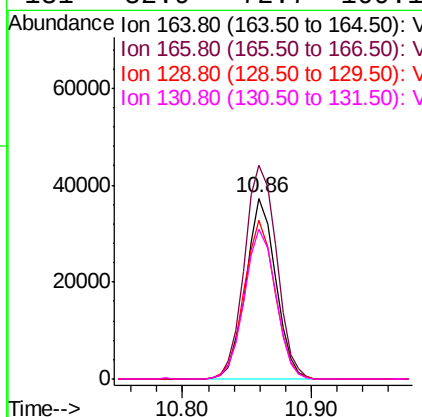
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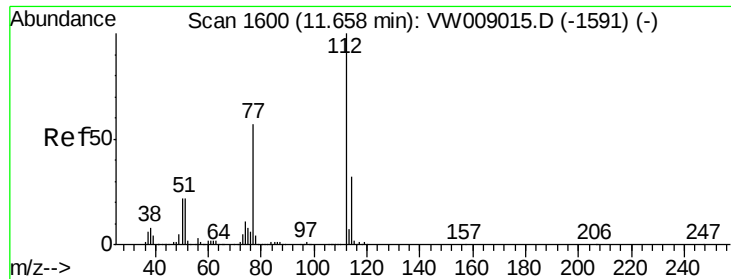
MMDadoda
3/8/2019 12:07:12 AM



#64
Tetrachloroethene
Concen: 18.976 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59639		
166	118.1	104.6	157.0	
129	88.1	73.4	110.2	
131	82.9	72.7	109.1	





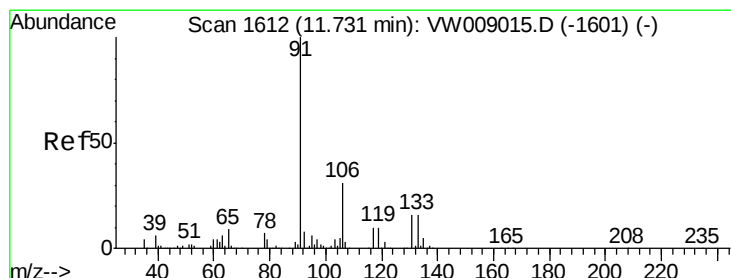
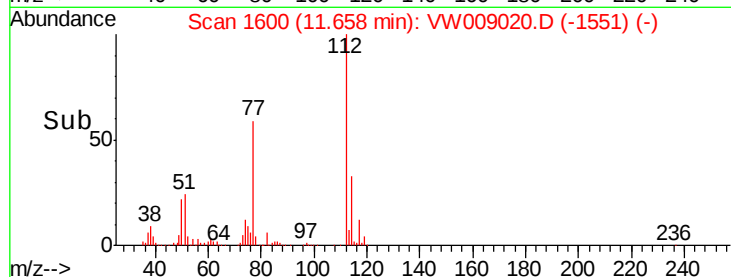
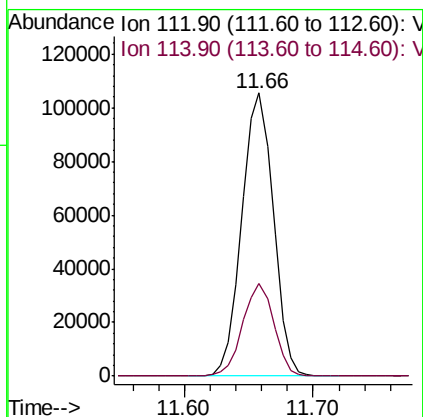
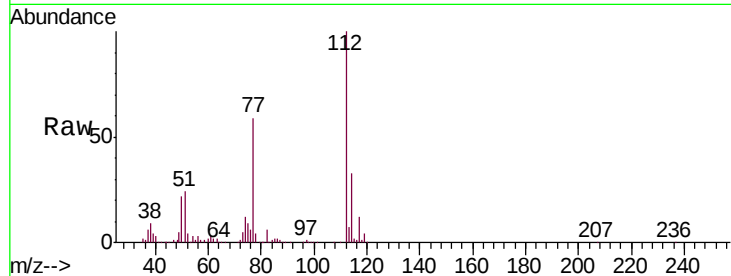
#65
Chlorobenzene
Concen: 18.901 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion:112 Resp: 178571
Ion Ratio Lower Upper
112 100
114 32.9 25.5 38.3

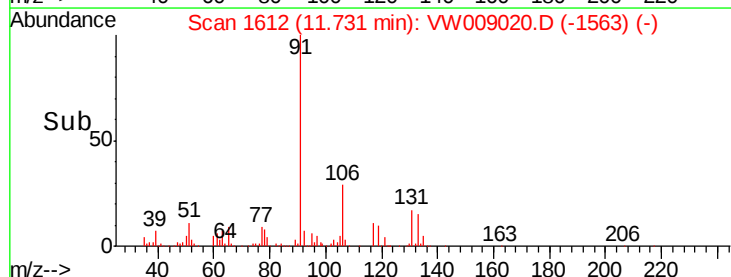
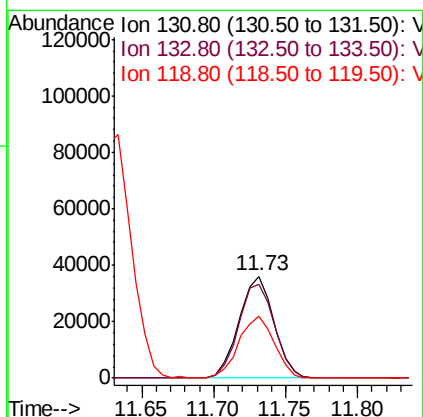
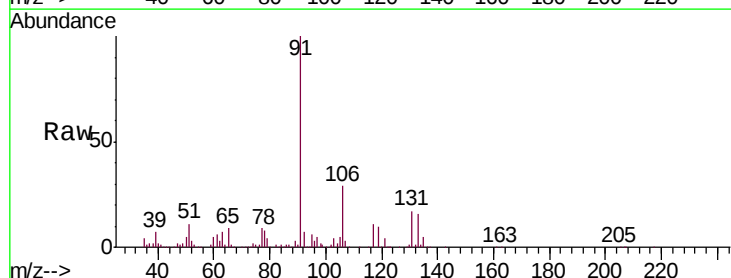
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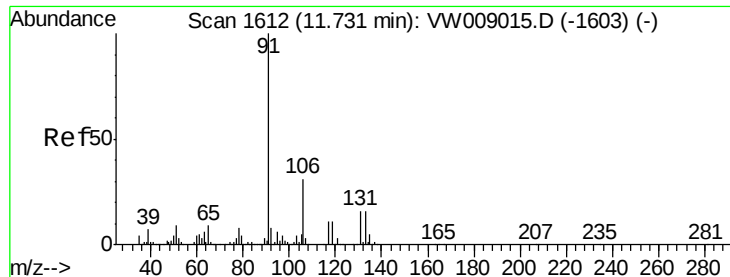
MMDadoda
3/8/2019 12:07:12 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.028 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion:131 Resp: 60373
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.3
119 62.0 31.1 93.5





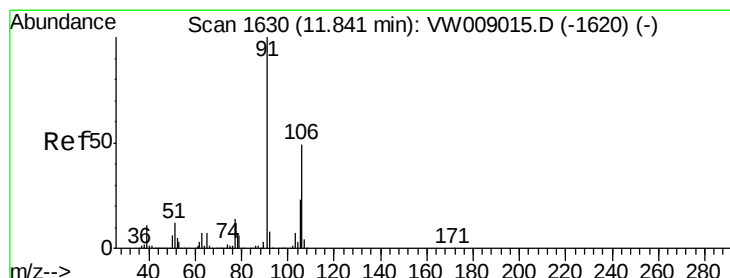
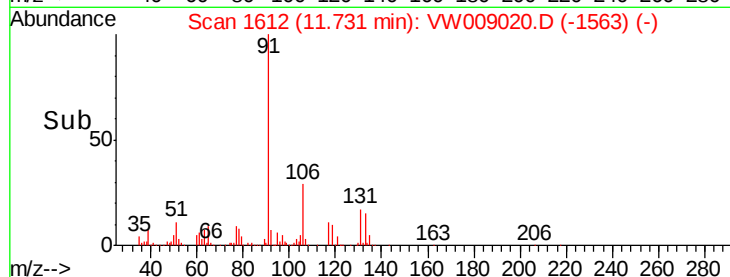
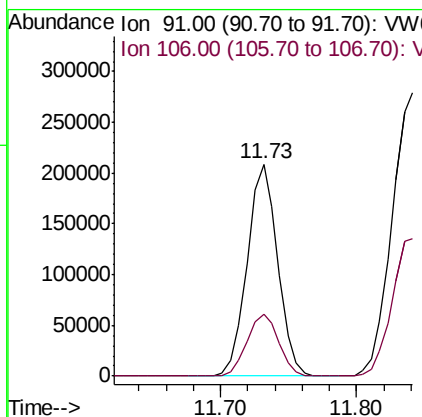
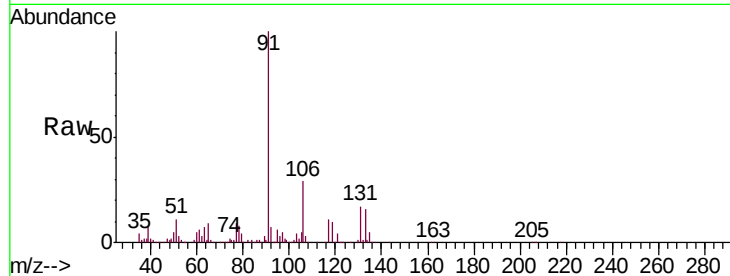
#67
Ethyl Benzene
Concen: 19.154 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion: 91 Resp: 328101
Ion Ratio Lower Upper
91 100
106 29.4 25.2 37.8

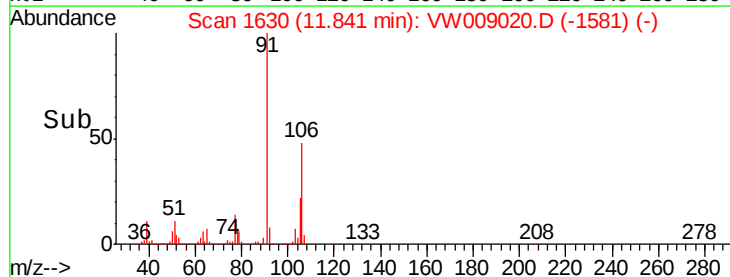
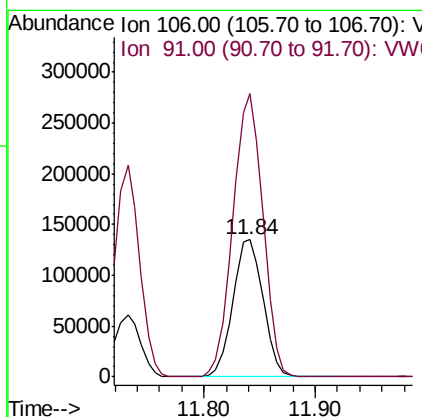
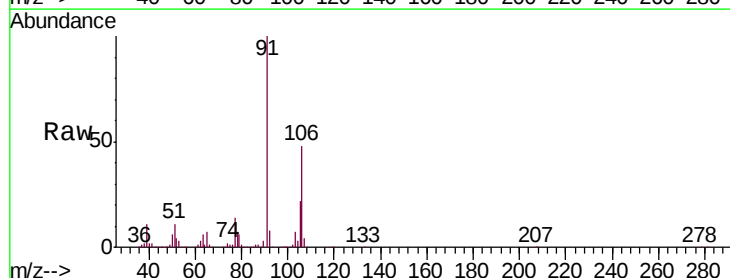
Manual Integrations
APPROVED

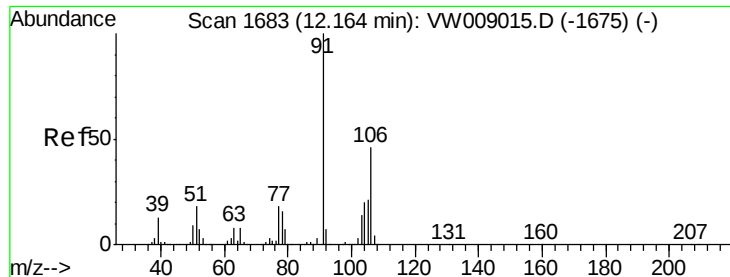
MMDadoda
3/8/2019 12:07:12 AM



#68
m/p-Xylenes
Concen: 37.387 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion: 106 Resp: 252705
Ion Ratio Lower Upper
106 100
91 206.1 162.9 244.3





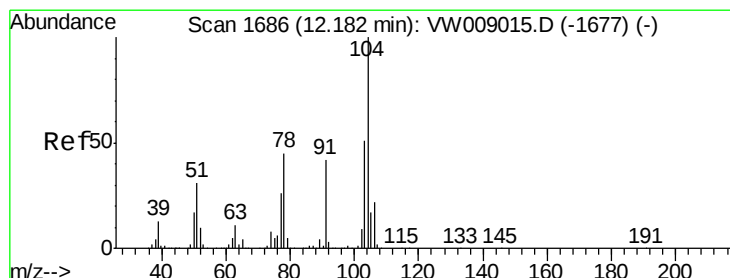
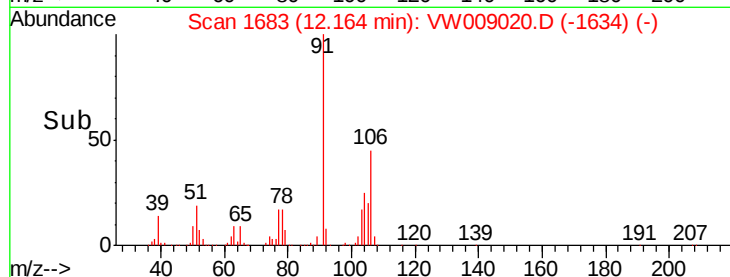
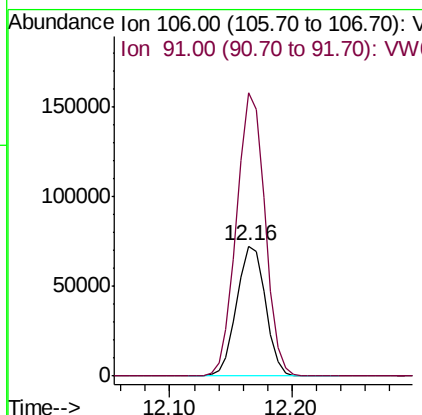
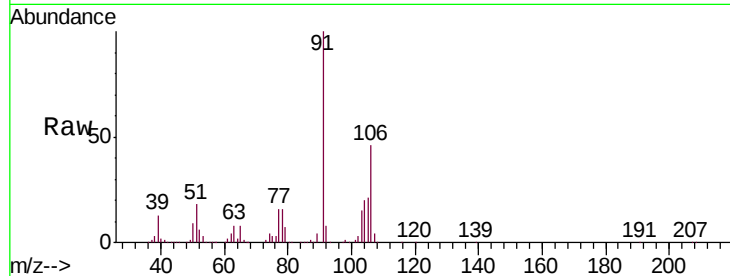
#69
o-Xylene
Concen: 18.739 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion:106 Resp: 118242
Ion Ratio Lower Upper
106 100
91 215.2 107.4 322.2

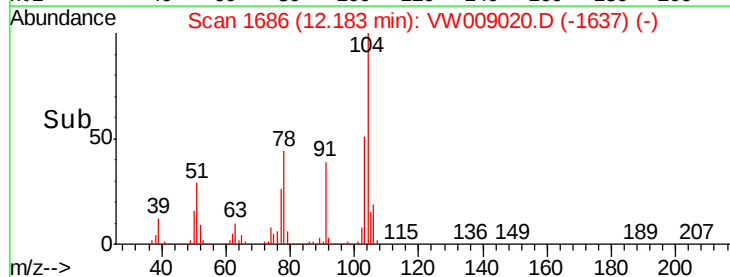
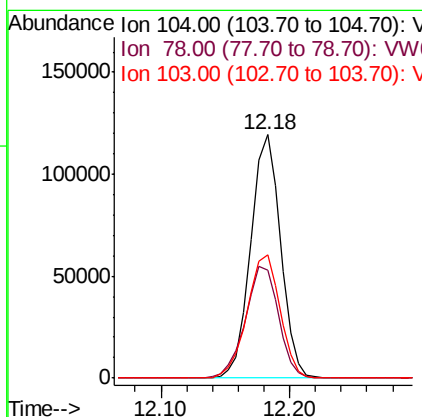
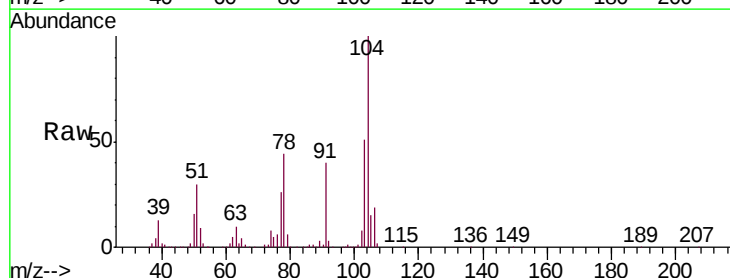
Manual Integrations
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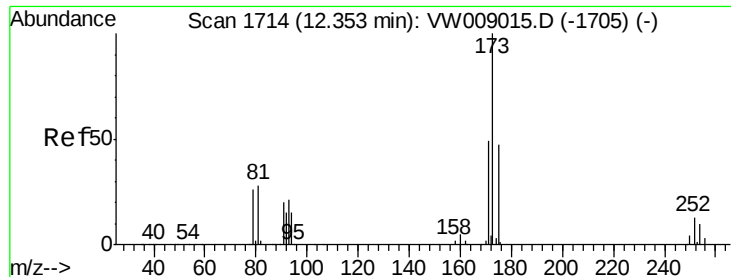
MMDadoda
3/8/2019 12:07:12 AM



#70
Styrene
Concen: 18.643 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion:104 Resp: 190569
Ion Ratio Lower Upper
104 100
78 51.3 41.9 62.9
103 55.8 44.9 67.3





#71

Bromoform

Concen: 18.286 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

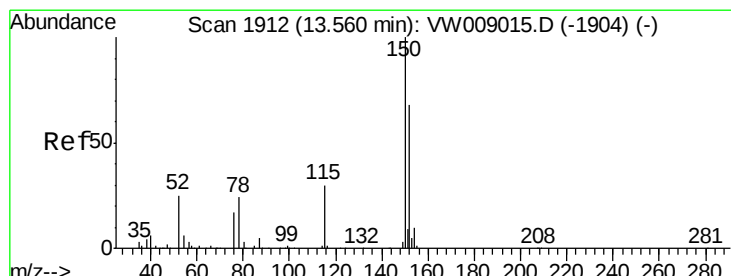
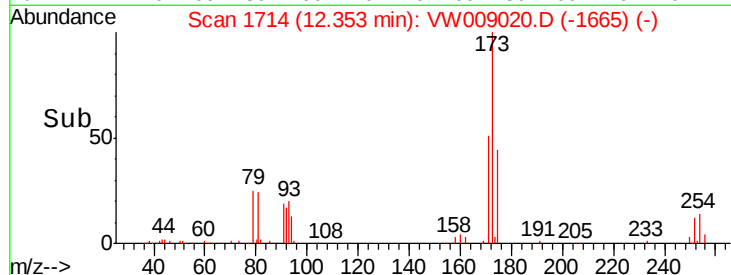
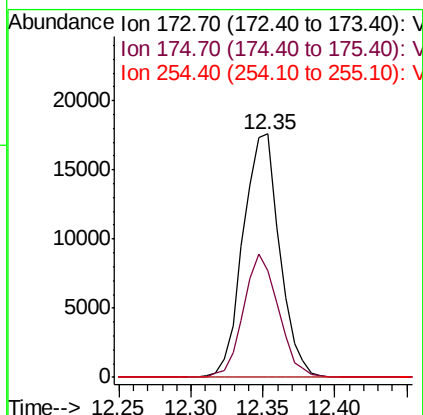
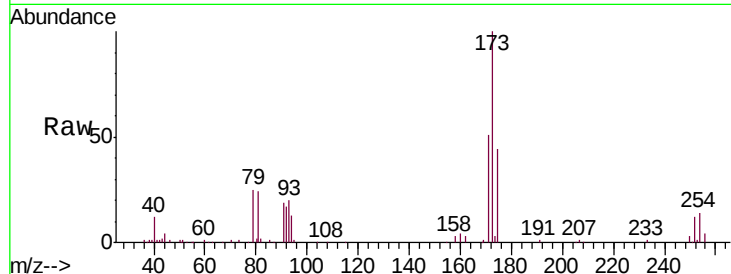
ClientSampleId :

VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.3	69.9
254	0.0	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

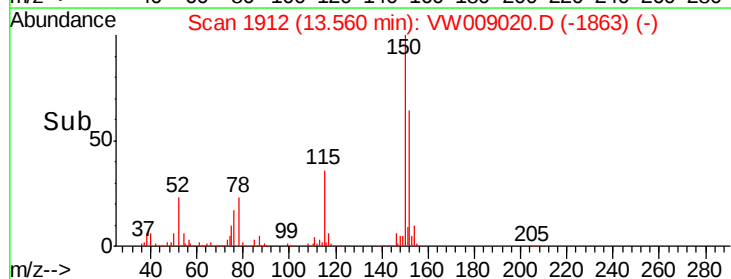
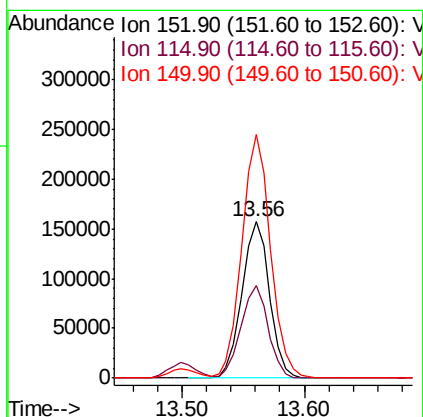
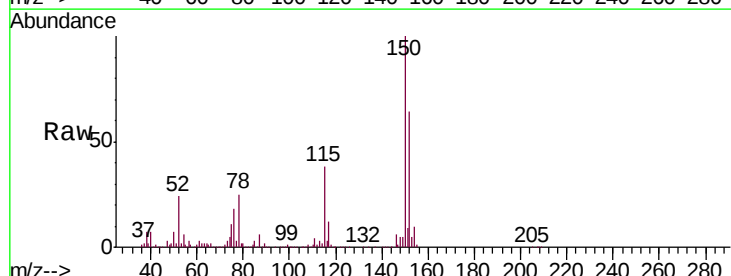
RT: 13.56 min Scan# 1912

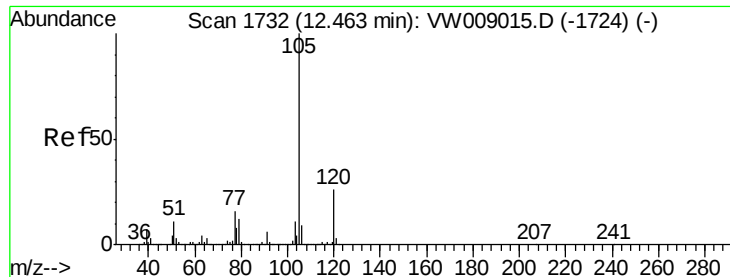
Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	87.8
150	161.8	0.0	348.6





#73

Isopropylbenzene

Concen: 19.595 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 105 Resp: 329100

Ion Ratio Lower Upper

105 100

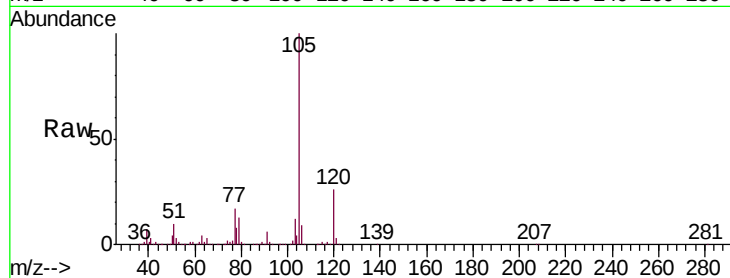
120 26.1 13.2 39.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

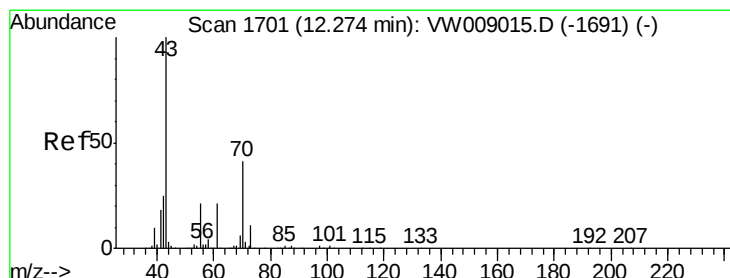
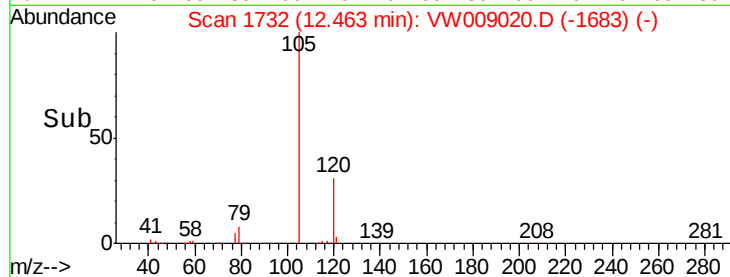
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.569 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Tgt Ion: 43 Resp: 74807

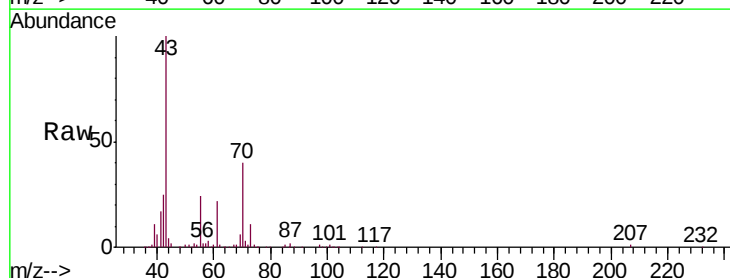
Ion Ratio Lower Upper

43 100

70 40.1 31.2 46.8

55 24.9 18.0 27.0

61 23.4 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

80000

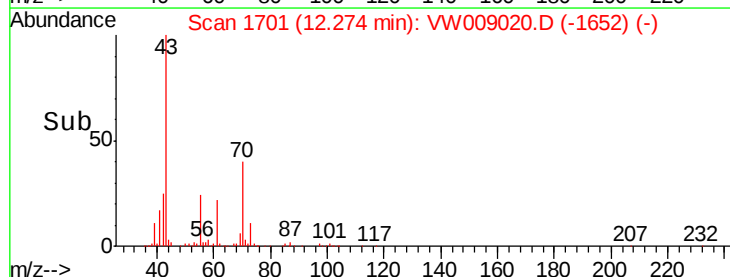
60000

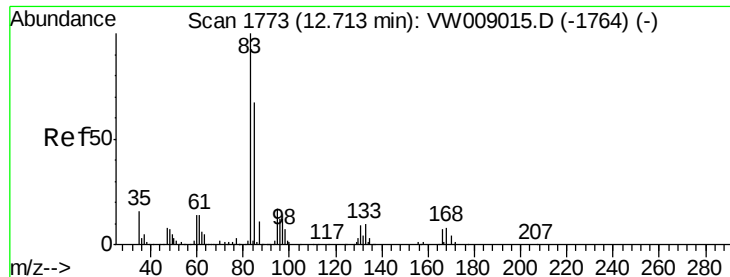
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.403 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

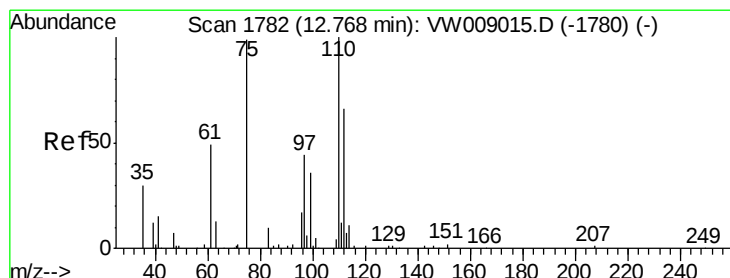
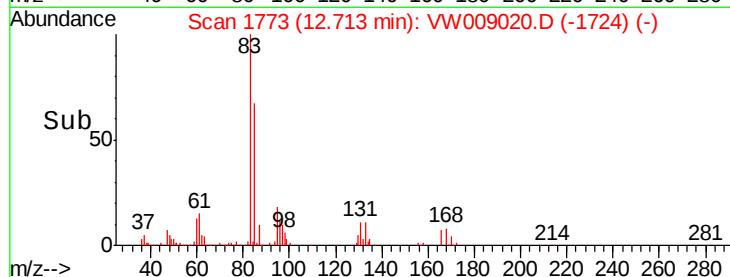
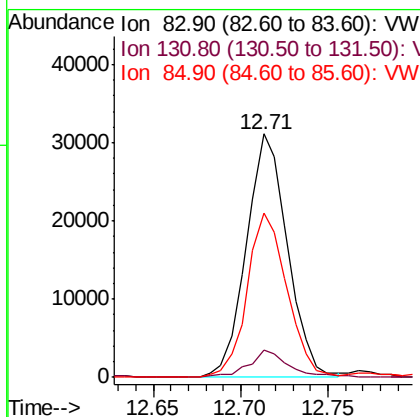
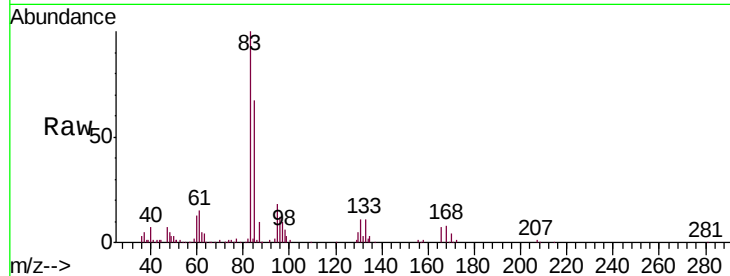
ClientSampled :

VW0306SBS01

Tgt Ion:	83	Resp:	50830
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.7
85	65.6	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 18.288 ug/l m

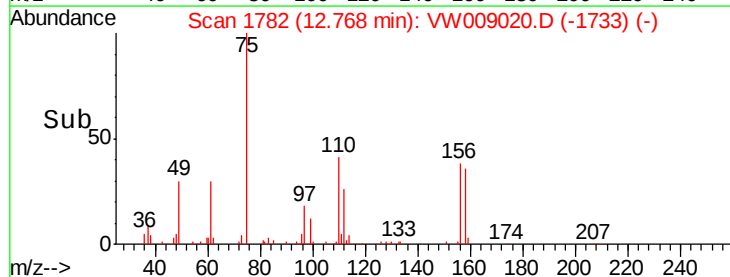
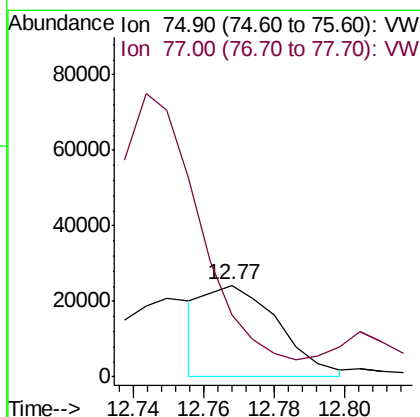
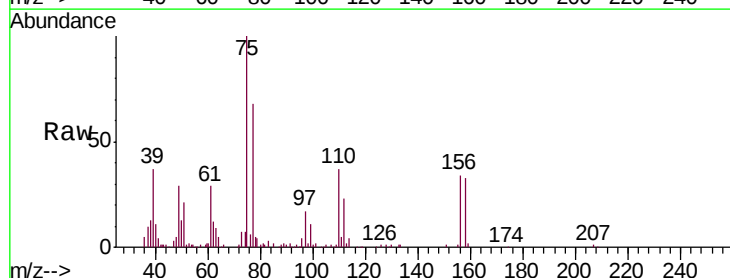
RT: 12.77 min Scan# 1782

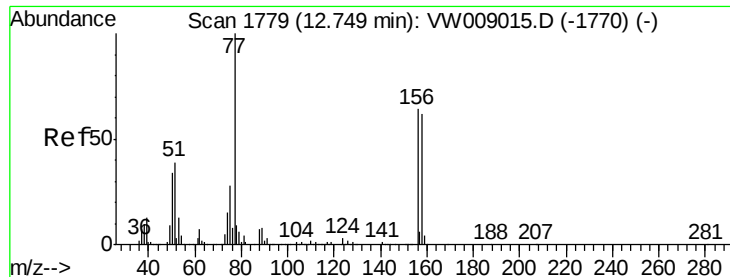
Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Tgt Ion:	75	Resp:	35566
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





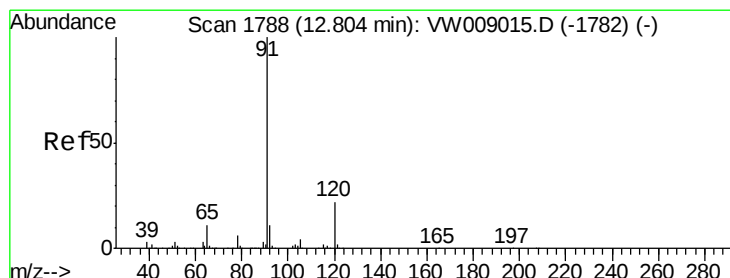
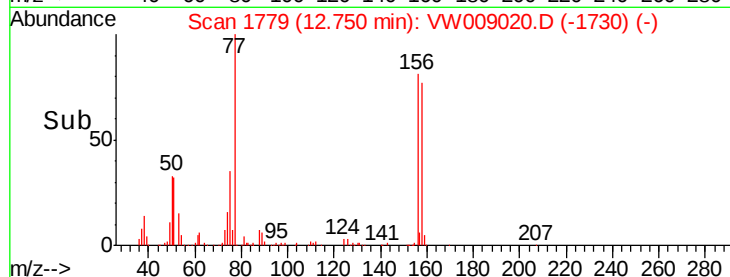
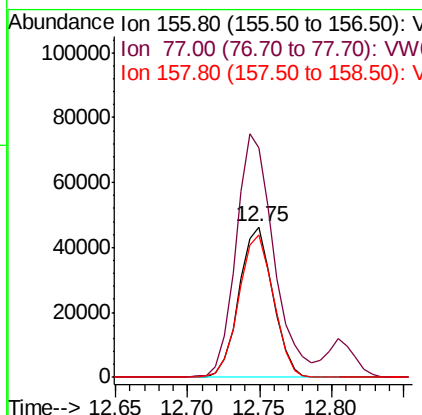
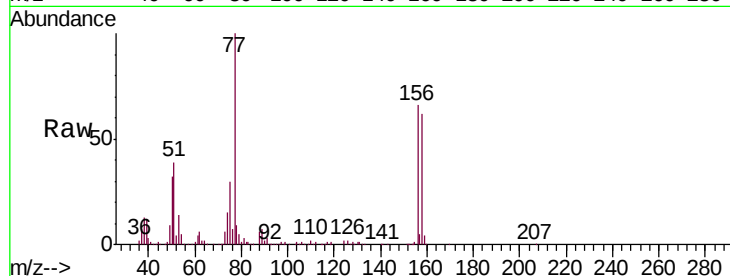
#77
Bromobenzene
Concen: 19.849 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampled :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	181.0	91.6	274.9
158	96.7	48.8	146.4

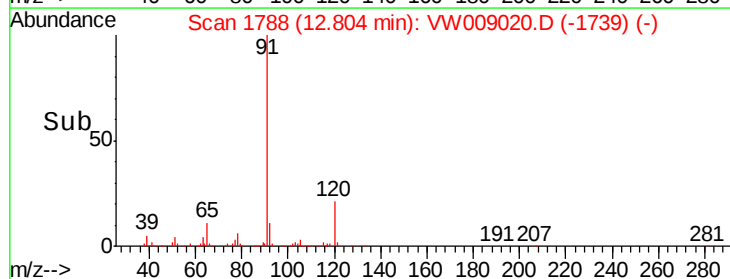
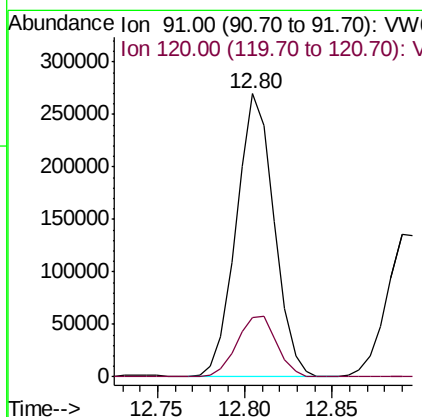
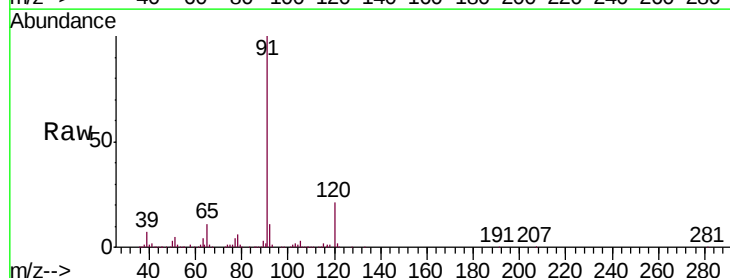
Manual Integrations
APPROVED

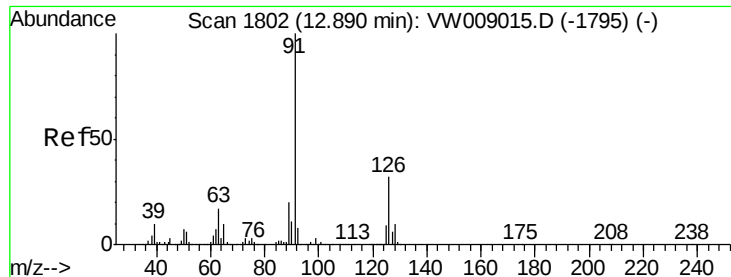
MMDadoda
3/8/2019 12:07:12 AM



#78
n-propylbenzene
Concen: 19.623 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.463 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 91 Resp: 226590

Ion Ratio Lower Upper

91 100

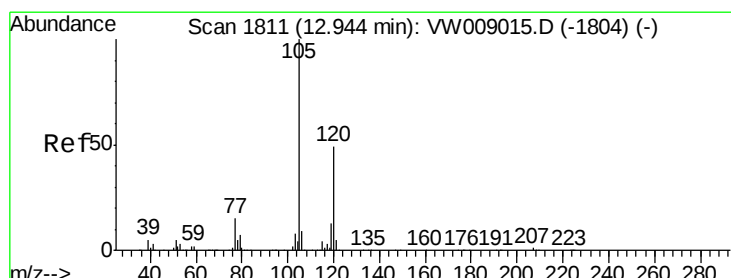
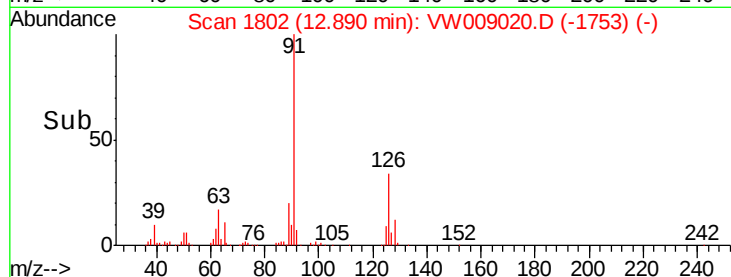
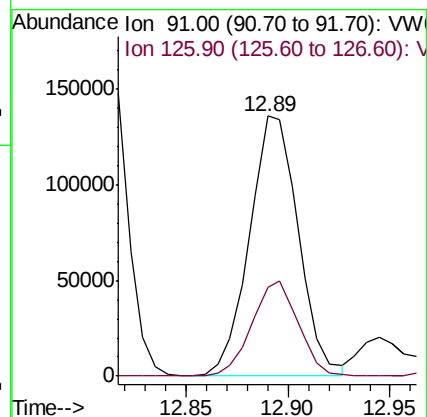
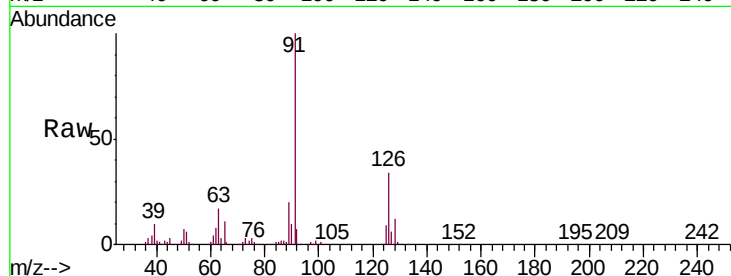
126 34.7 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.949 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009020.D

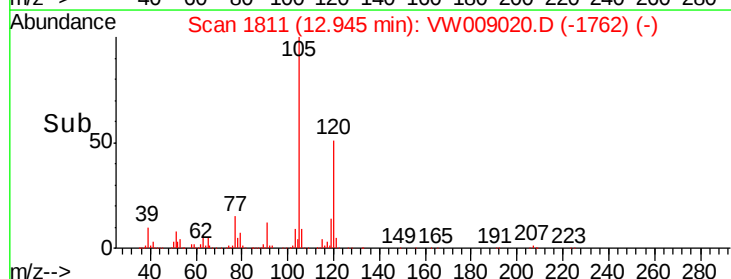
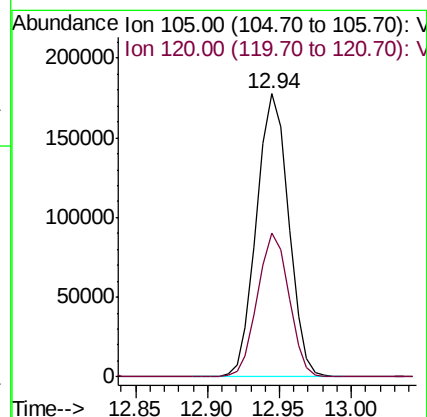
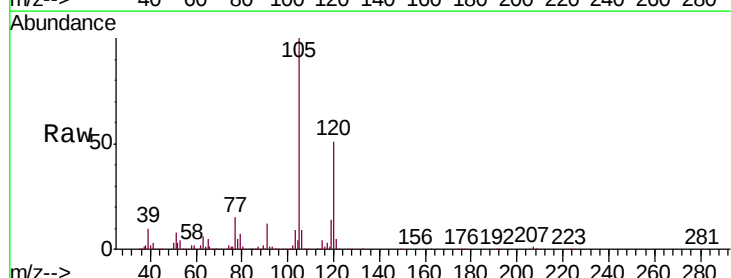
Acq: 06 Mar 2019 17:29

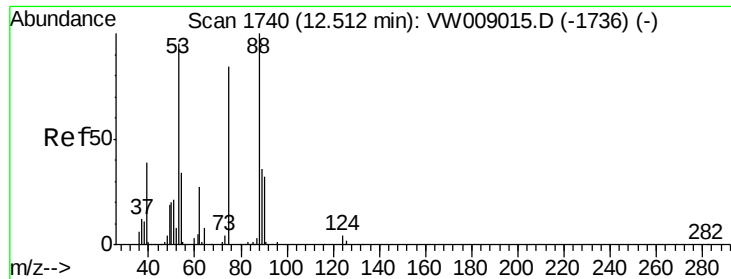
Tgt Ion: 105 Resp: 273124

Ion Ratio Lower Upper

105 100

120 49.9 24.6 73.8





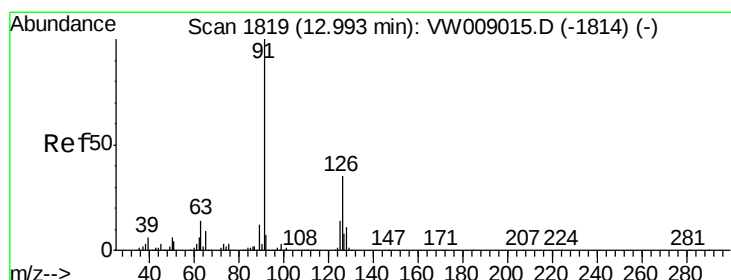
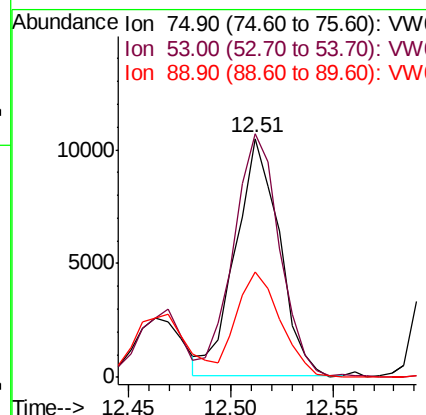
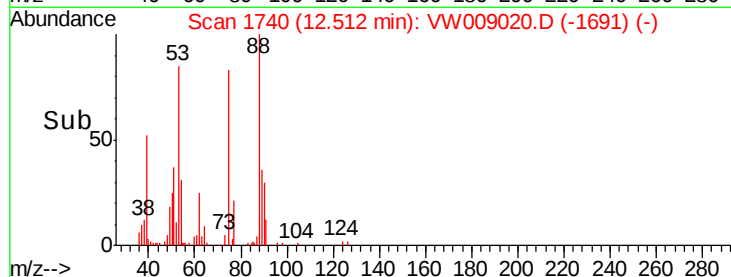
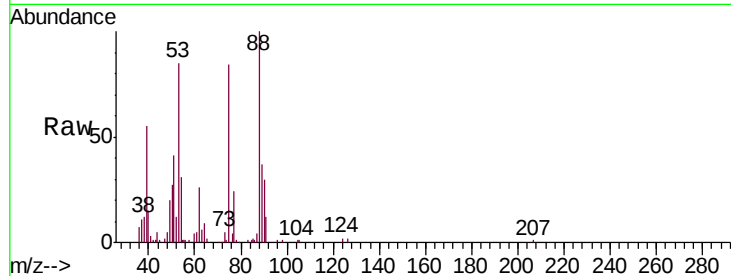
#81
trans-1,4-Dichloro-2-butene
Concen: 20.337 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampled :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	110.3	88.5	132.7
89	44.3	36.3	54.5

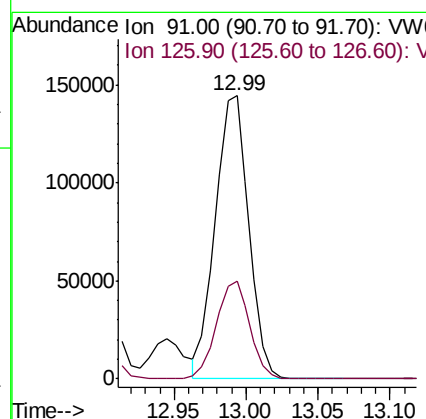
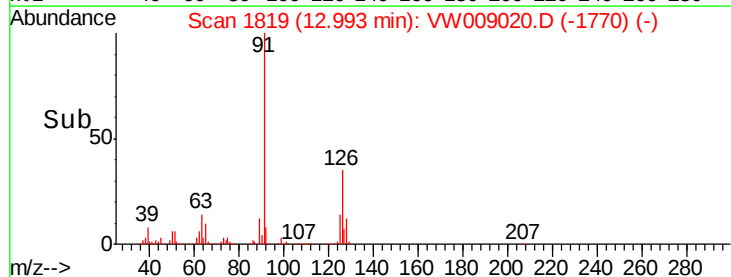
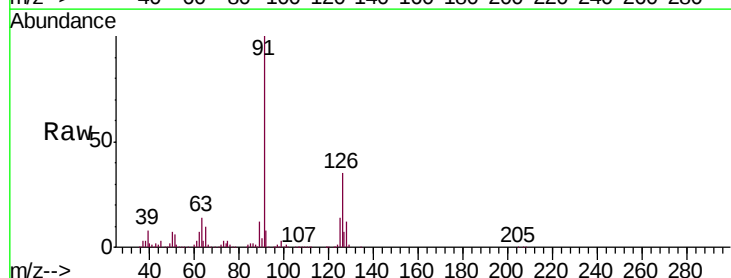
Manual Integrations
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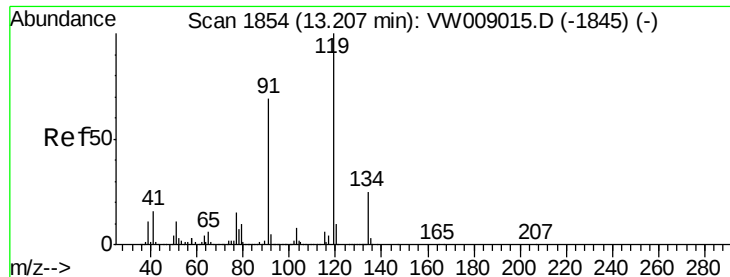
MMDadoda
3/8/2019 12:07:12 AM



#82
4-Chlorotoluene
Concen: 18.936 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.9	50.6





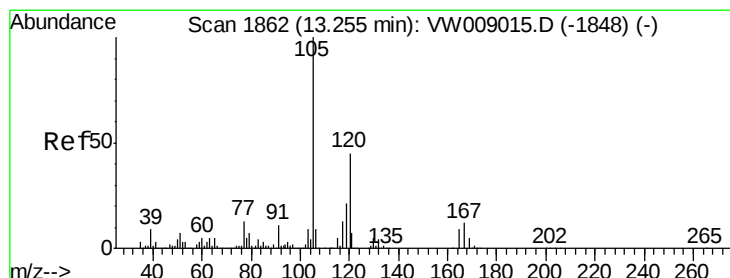
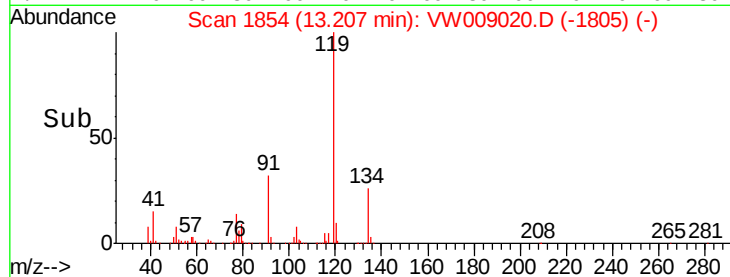
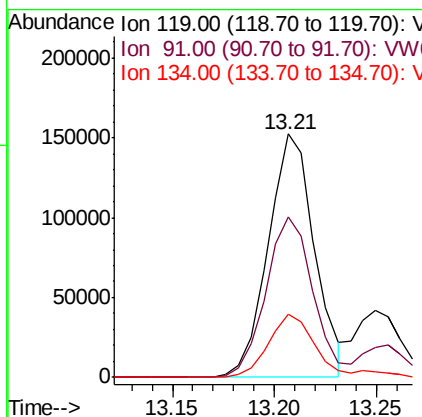
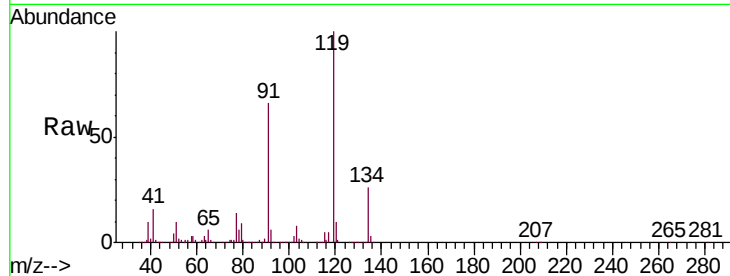
#83
 tert-Butylbenzene
 Concen: 19.400 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	240940		
91	67.5	34.3	102.9	
134	27.5	13.6	40.8	

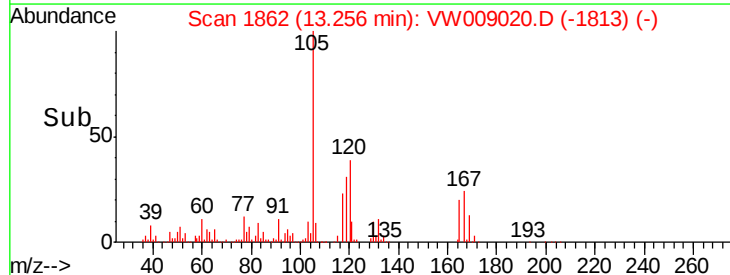
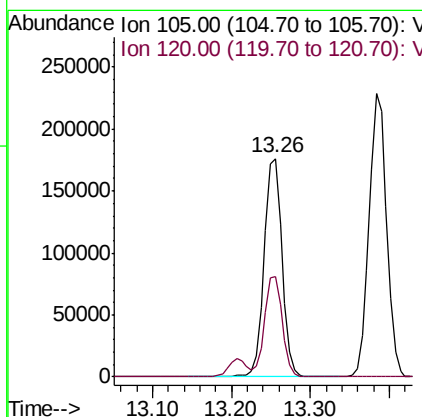
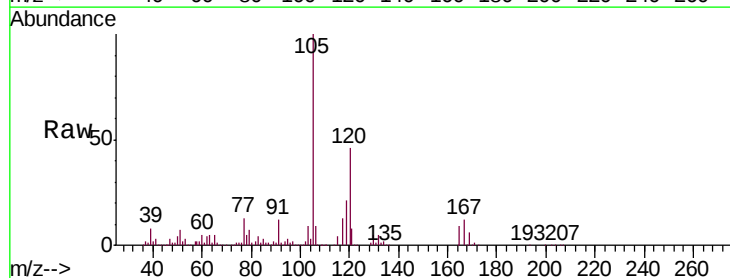
Manual Integrations
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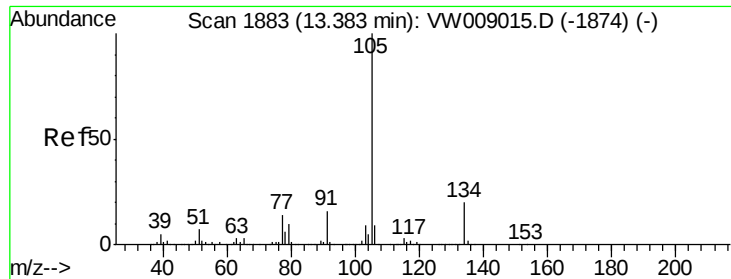
MMDadoda
 3/8/2019 12:07:12 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.812 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	277587		
120	45.6	22.6	67.7	





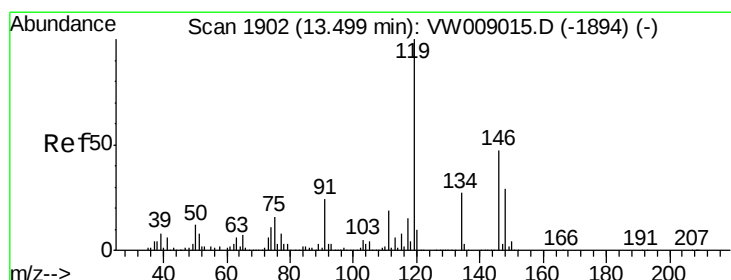
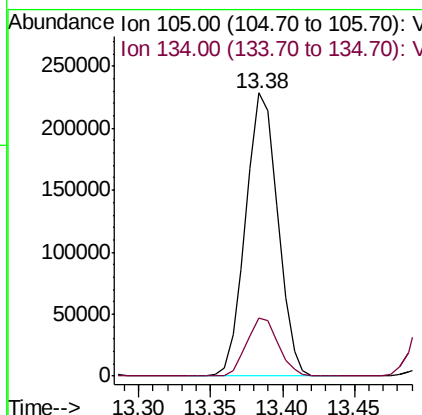
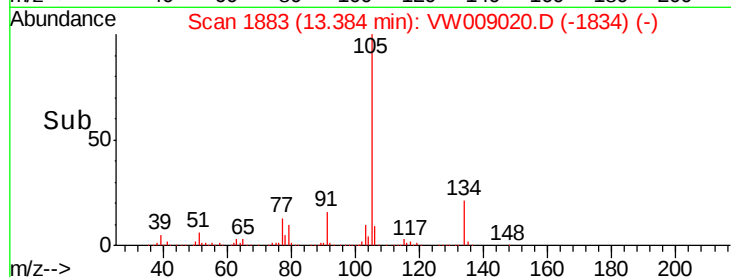
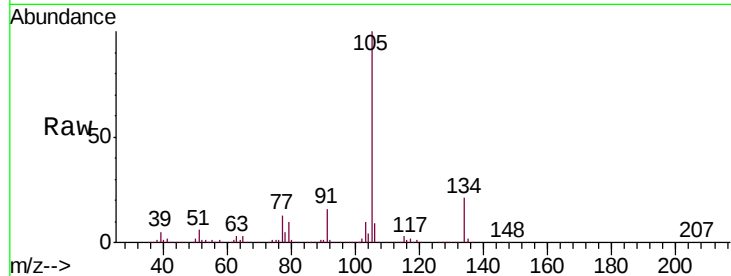
#85
 sec-Butylbenzene
 Concen: 19.508 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.6

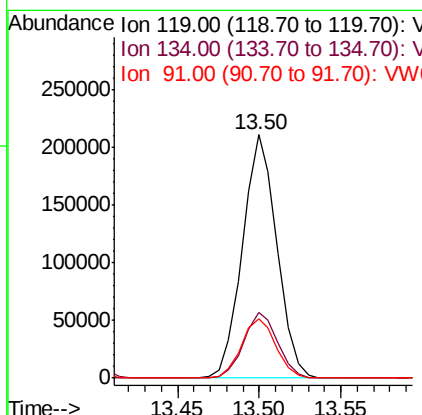
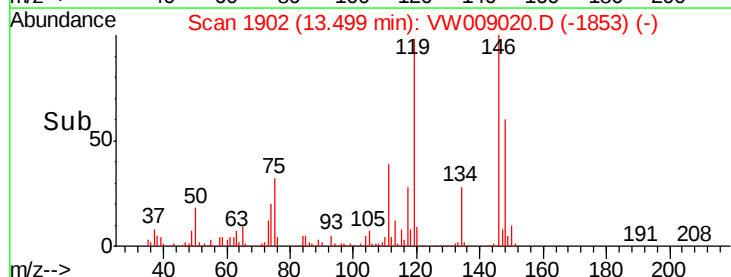
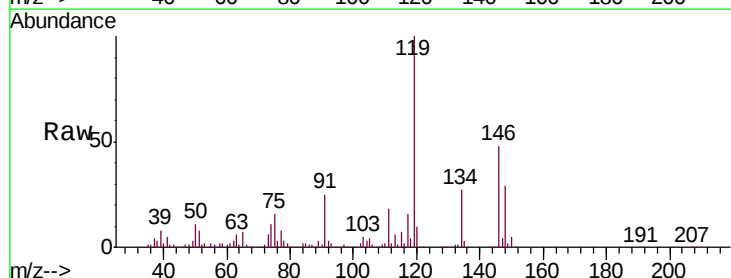
Manual Integrations
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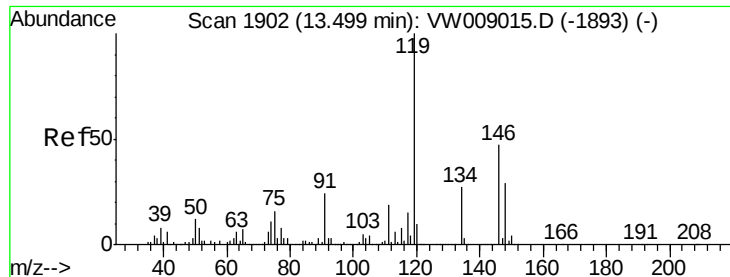
MMDadoda
 3/8/2019 12:07:12 AM



#86
 p-Isopropyltoluene
 Concen: 18.903 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.0	38.9
91	24.6	12.1	36.3





#87

1,3-Dichlorobenzene

Concen: 19.247 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

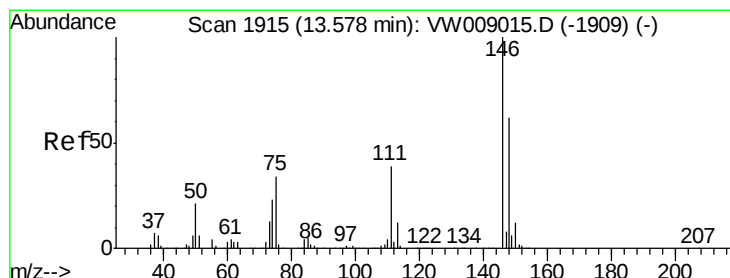
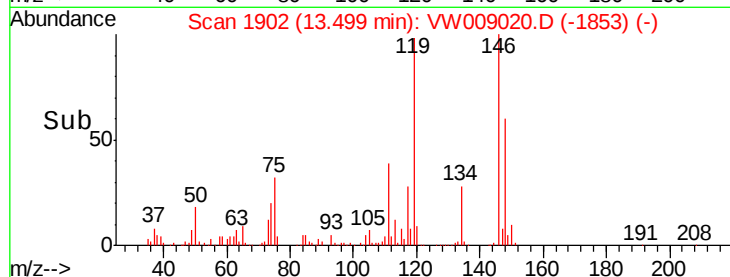
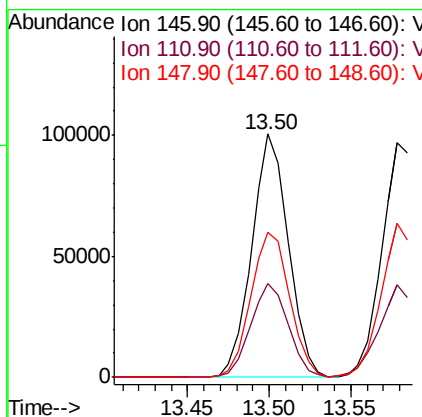
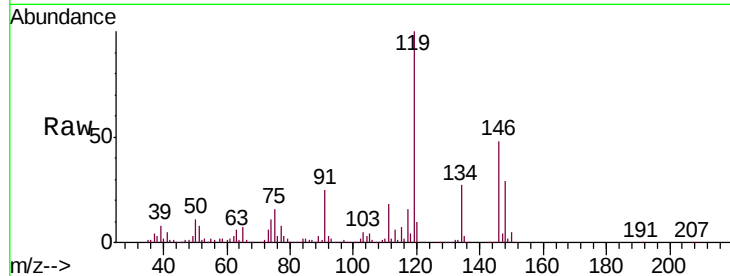
Instrument :
MSVOA_W

ClientSampled :
VW0306SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	156662		
111	39.7	19.6	58.7	
148	63.2	31.7	95.1	

Manual Integrations
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3/8/2019 12:07:12 AM



#88

1,4-Dichlorobenzene

Concen: 19.138 ug/l

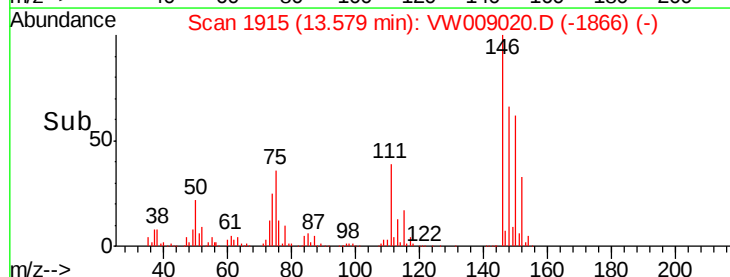
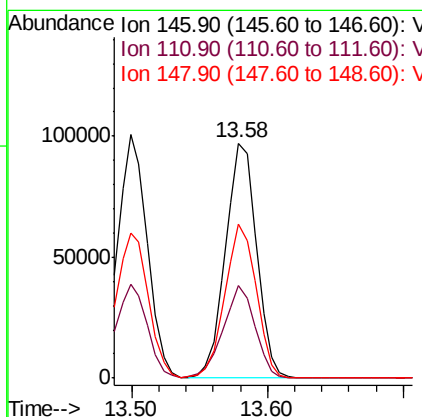
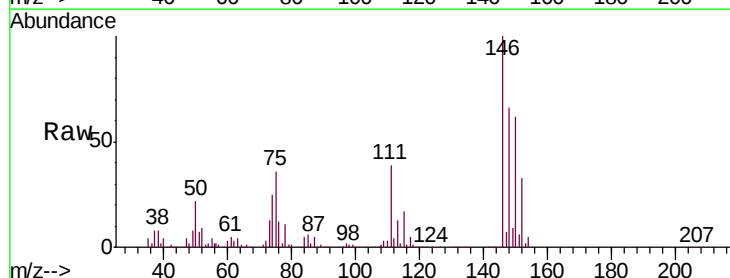
RT: 13.58 min Scan# 1915

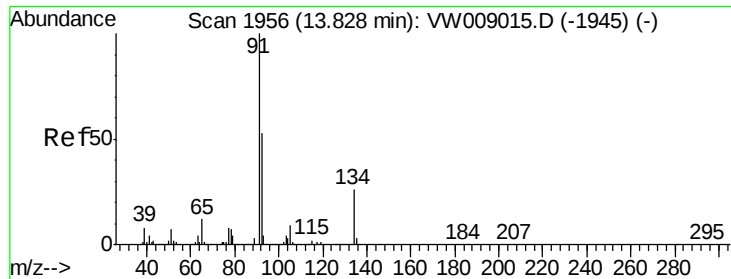
Delta R.T. 0.00 min

Lab File: VW009020.D

Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	154504		
111	40.5	19.9	59.7	
148	66.2	31.7	95.1	





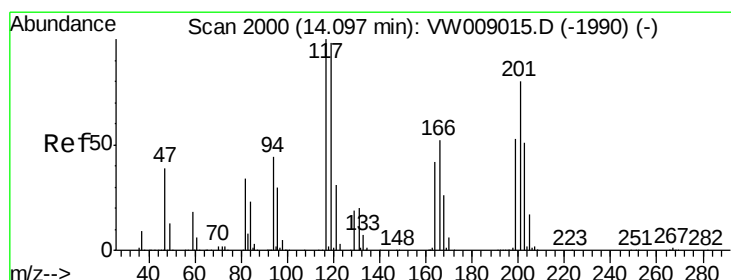
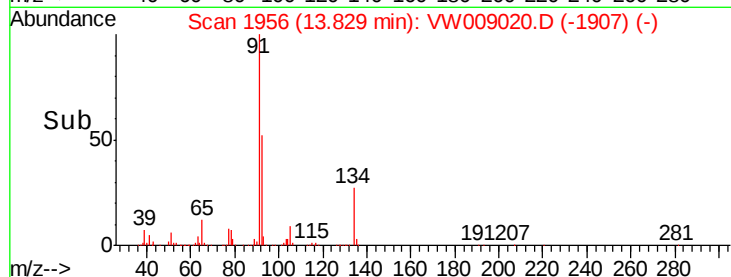
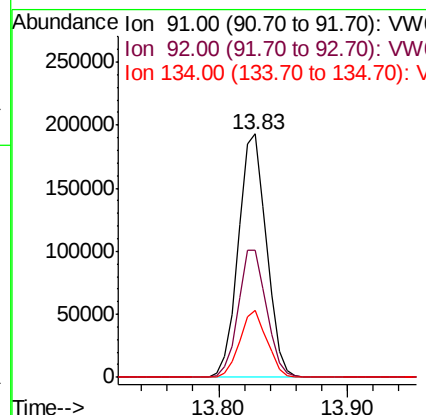
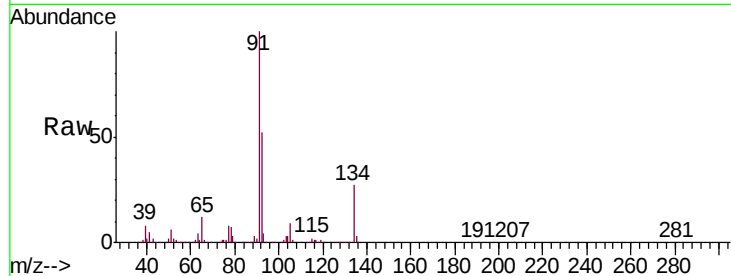
#89
n-Butylbenzene
Concen: 18.936 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.7	80.0
134	26.5	13.0	39.0

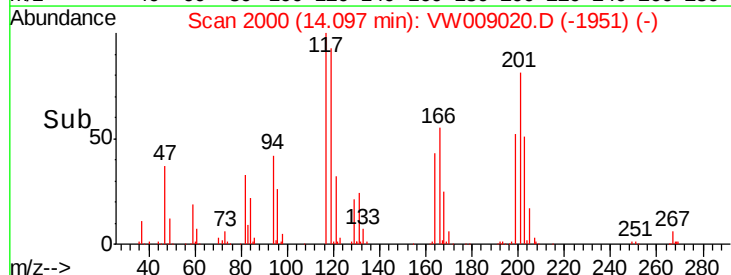
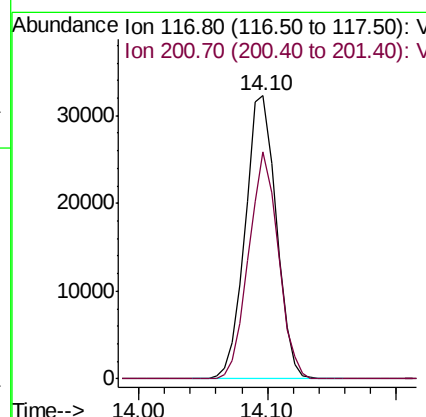
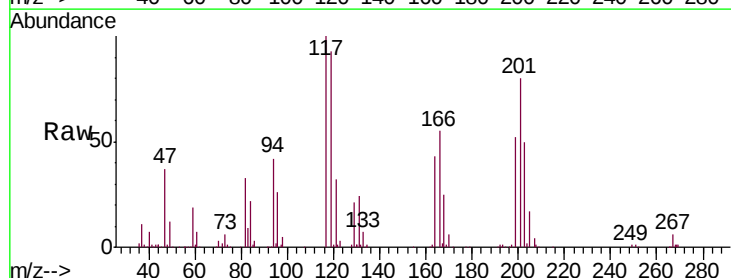
Manual Integrations
APPROVED

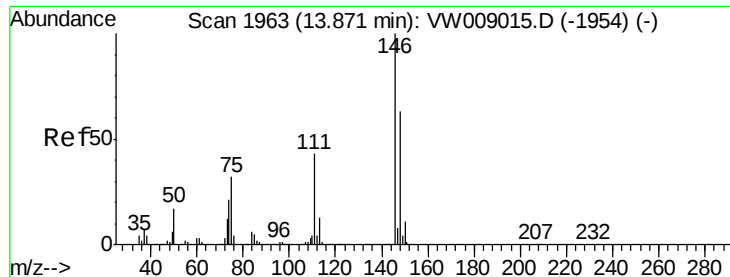
MMDadoda
3/8/2019 12:07:12 AM



#90
Hexachloroethane
Concen: 19.292 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	38.9	116.6





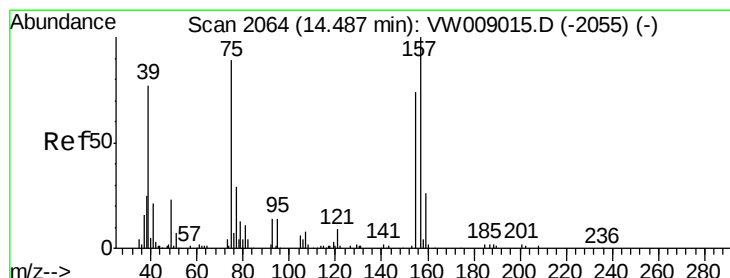
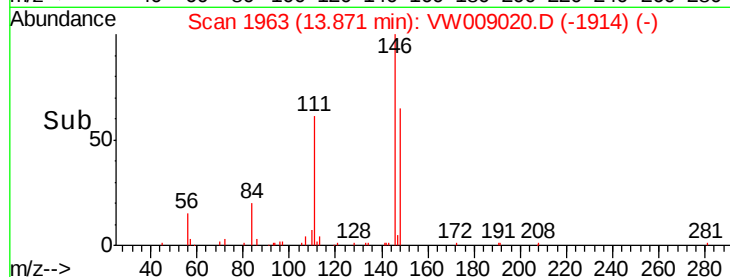
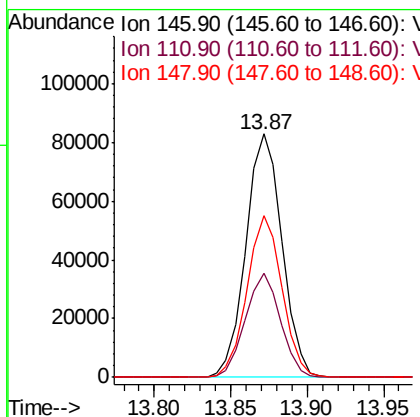
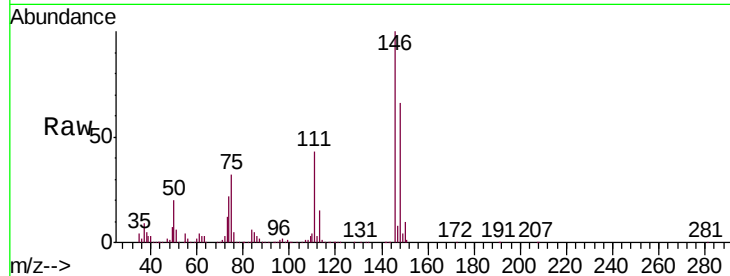
#91
 1,2-Dichlorobenzene
 Concen: 19.100 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	136026		
111	41.6	20.8	62.4	
148	64.4	31.8	95.3	

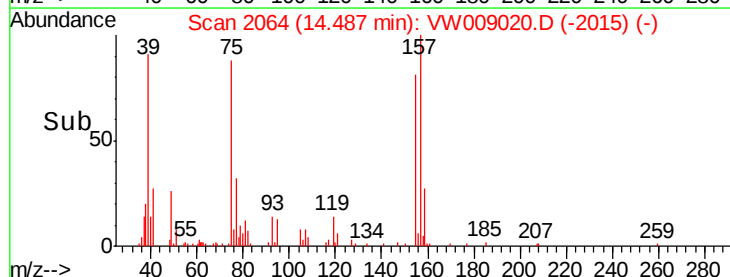
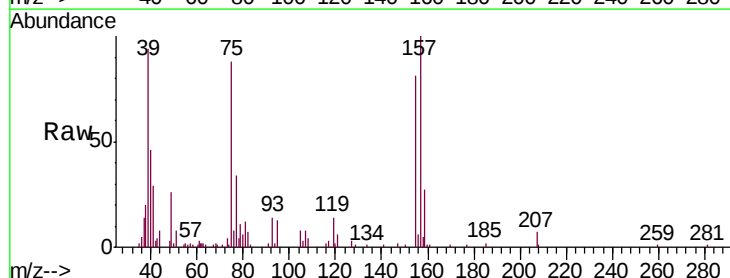
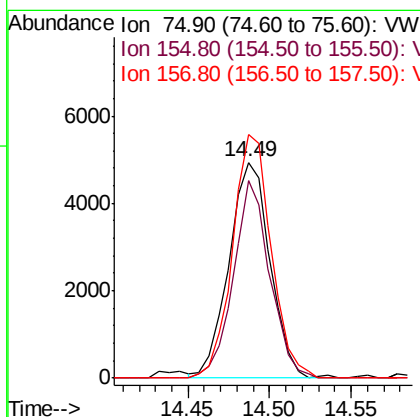
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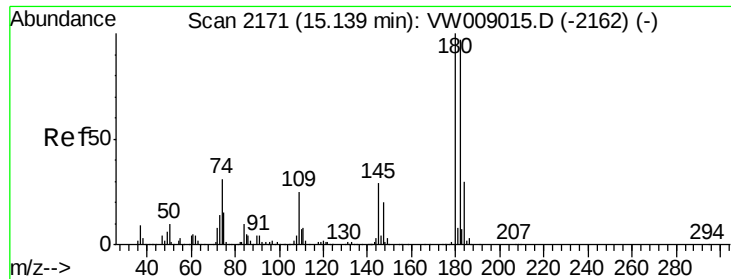
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 3/8/2019 12:07:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.095 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009020.D
 Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8664		
155	80.8	41.4	124.4	
157	106.1	53.1	159.4	





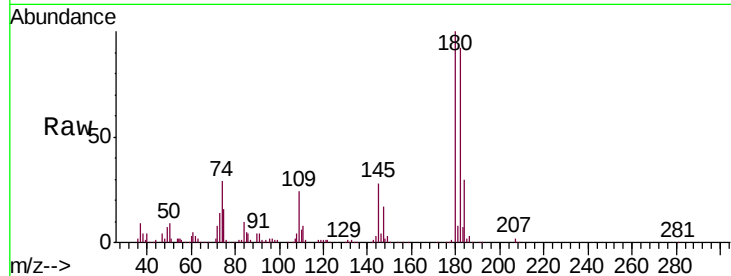
#93
1,2,4-Trichlorobenzene
Concen: 19.330 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

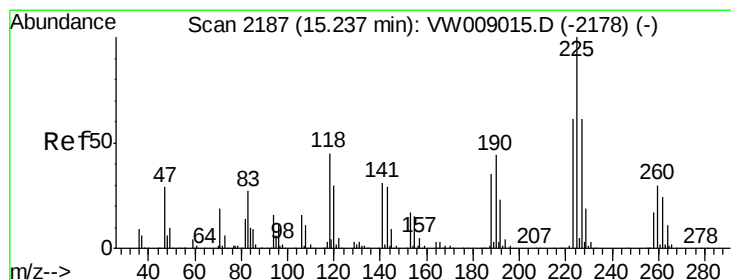
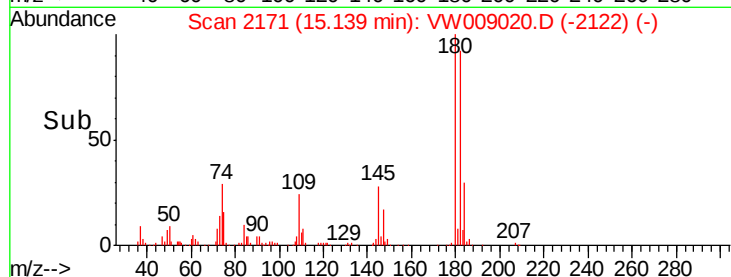
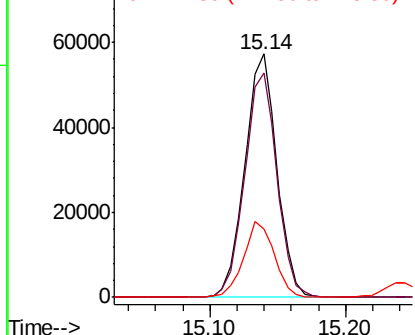
Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.6	142.9
145	30.0	14.7	44.1

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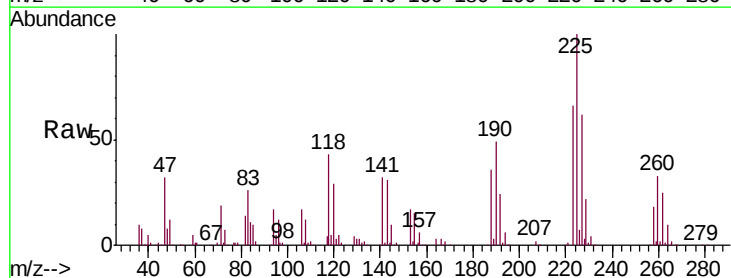


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

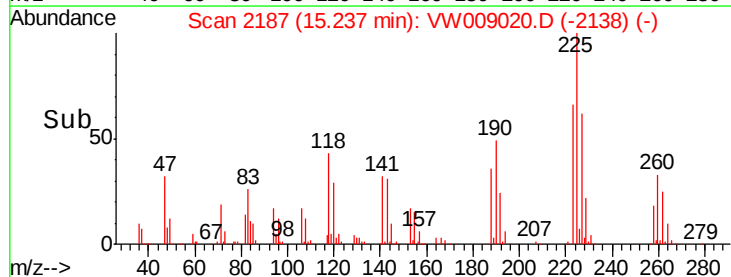
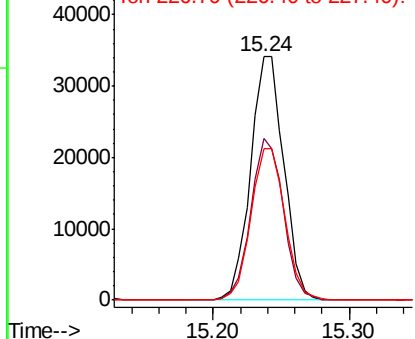


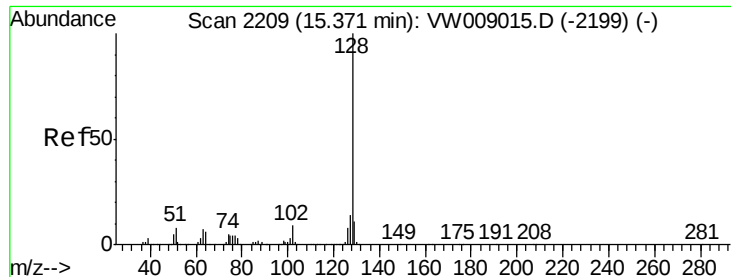
#94
Hexachlorobutadiene
Concen: 18.883 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	30.6	91.8
227	63.8	31.2	93.6



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





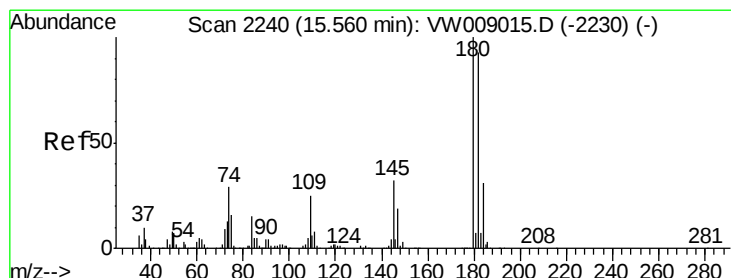
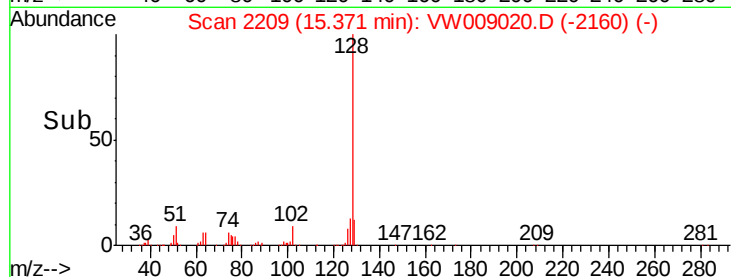
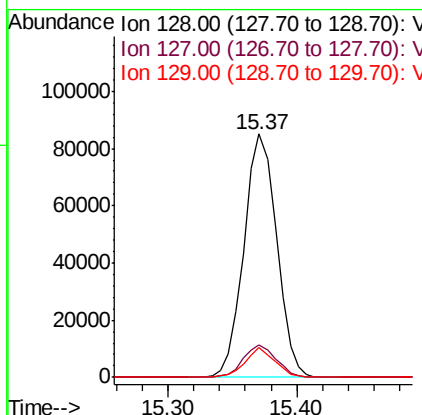
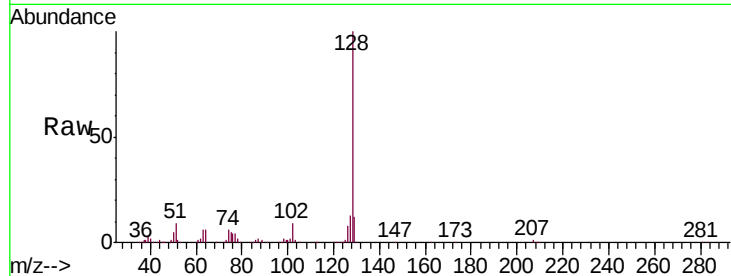
#95
Naphthalene
Concen: 18.926 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	149646		
127	13.4	11.0	16.4	
129	11.0	8.6	13.0	

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#96
1,2,3-Trichlorobenzene
Concen: 19.205 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009020.D
Acq: 06 Mar 2019 17:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	81086		
182	95.4	47.3	141.8	
145	31.5	15.4	46.2	

