

Data File : VW009016.D
Acq On : 06 Mar 2019 12:34
Operator : SY/VA
Sample : VSTDIC100
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

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

Quant Time: Mar 07 07:12:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	306069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	445550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	439605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	245884	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	318727	103.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.60%	
35) Dibromofluoromethane	7.88	113	279172	104.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.18%	
50) Toluene-d8	10.32	98	1144049	103.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.58%	
62) 4-Bromofluorobenzene	12.62	95	445384	104.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	275305	90.547	ug/l	99
3) Chloromethane	2.21	50	382396	99.850	ug/l	98
4) Vinyl Chloride	2.36	62	385897	100.553	ug/l	98
5) Bromomethane	2.76	94	330069	97.940	ug/l	97
6) Chloroethane	2.91	64	277897	102.127	ug/l	96
7) Trichlorofluoromethane	3.25	101	488648	98.845	ug/l	100
8) Diethyl Ether	3.68	74	157645	102.157	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	302624	98.649	ug/l	98
10) Methyl Iodide	4.27	142	367560	126.929	ug/l	99
11) Tert butyl alcohol	5.18	59	100810	448.832	ug/l	100
12) 1,1-Dichloroethene	4.04	96	269106	100.673	ug/l	96
13) Acrolein	3.90	56	120542	478.741	ug/l	100
14) Allyl chloride	4.67	41	490914	106.225	ug/l	98
15) Acrylonitrile	5.37	53	340487	515.374	ug/l	100
16) Acetone	4.13	43	322453	511.549	ug/l	100
17) Carbon Disulfide	4.38	76	933712	104.228	ug/l	98
18) Methyl Acetate	4.67	43	154080	107.166	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	728362	105.257	ug/l	98
20) Methylene Chloride	4.92	84	307538	83.335	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	312369	102.161	ug/l	94
22) Diisopropyl ether	6.31	45	975518	105.710	ug/l	97
23) Vinyl Acetate	6.26	43	3087282	537.145	ug/l	98
24) 1,1-Dichloroethane	6.21	63	552466	102.961	ug/l	97
25) 2-Butanone	7.17	43	466119	519.532	ug/l	99
26) 2,2-Dichloropropane	7.17	77	483862	98.580	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	337303	104.789	ug/l	100
28) Bromochloromethane	7.51	49	238076	102.213	ug/l	98
29) Tetrahydrofuran	7.53	42	301410	534.748	ug/l	99
30) Chloroform	7.67	83	573944	104.472	ug/l	100
31) Cyclohexane	7.95	56	504091	91.354	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	505567	100.191	ug/l	99
36) 1,1-Dichloropropene	8.08	75	435146	98.222	ug/l	100
37) Ethyl Acetate	7.25	43	200682	102.412	ug/l	98
38) Carbon Tetrachloride	8.07	117	456389	99.548	ug/l	97

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	546272	102.071	ug/l	97
40) Benzene	8.32	78	1194568	99.968	ug/l	98
41) Methacrylonitrile	7.48	41	119674	102.962	ug/l	94
42) 1,2-Dichloroethane	8.40	62	392637	102.375	ug/l	99
43) Isopropyl Acetate	8.43	43	407493	105.785	ug/l	99
44) Trichloroethene	9.09	130	325245	97.615	ug/l	96
45) 1,2-Dichloropropane	9.37	63	297358	100.378	ug/l	97
46) Dibromomethane	9.46	93	167982	102.786	ug/l	98
47) Bromodichloromethane	9.64	83	419658	102.431	ug/l	98
48) Methyl methacrylate	9.43	41	196539	107.976	ug/l	96
49) 1,4-Dioxane	9.46	88	40323	1804.859	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	1043921	535.903	ug/l	100
52) Toluene	10.39	92	827355	102.562	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	437194	107.575	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	488300	105.248	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	222989	100.458	ug/l	96
56) Ethyl methacrylate	10.65	69	306604	111.667	ug/l	97
57) 1,3-Dichloropropane	10.93	76	395912	101.427	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	781576	536.449	ug/l	99
59) 2-Hexanone	10.97	43	743597	543.000	ug/l	99
60) Dibromochloromethane	11.13	129	285361	105.842	ug/l	99
61) 1,2-Dibromoethane	11.23	107	219876	104.509	ug/l	98
64) Tetrachloroethene	10.86	164	297630	98.056	ug/l	95
65) Chlorobenzene	11.66	112	914863	100.263	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	313876	102.428	ug/l	99
67) Ethyl Benzene	11.73	91	1711888	103.475	ug/l	100
68) m/p-Xylenes	11.84	106	1358538	208.110	ug/l	100
69) o-Xylene	12.16	106	638632	104.797	ug/l	98
70) Styrene	12.18	104	1066896	108.072	ug/l	99
71) Bromoform	12.35	173	174368	106.795	ug/l	97
73) Isopropylbenzene	12.46	105	1781056	105.824	ug/l	100
74) N-amyl acetate	12.27	43	453389	113.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	270212	102.933	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	195211m	73.458	ug/l	
77) Bromobenzene	12.75	156	391818	102.837	ug/l	97
78) n-propylbenzene	12.80	91	2185736	105.785	ug/l	99
79) 2-Chlorotoluene	12.90	91	1218039	104.404	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1536957	106.408	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	88995	110.688	ug/l	98
82) 4-Chlorotoluene	12.99	91	1304845	105.148	ug/l	99
83) tert-Butylbenzene	13.21	119	1307996	105.098	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1571387	106.269	ug/l	100
85) sec-Butylbenzene	13.38	105	1907941	105.091	ug/l	100
86) p-Isopropyltoluene	13.50	119	1757408	107.544	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	834046	102.253	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	817467	101.047	ug/l	99
89) n-Butylbenzene	13.83	91	1666036	107.688	ug/l	100
90) Hexachloroethane	14.10	117	291716	104.202	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	724324	101.496	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	48117	100.284	ug/l	99

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

Data File : VW009016.D
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Operator : SY/VA
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :
VSTDICC100

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:55:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	503950	103.126	ug/l	99
94) Hexachlorobutadiene	15.24	225	301066	96.926	ug/l	98
95) Naphthalene	15.37	128	877514	110.751	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	426271	100.750	ug/l	98

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

Data File : VW009016.D

Acq On : 06 Mar 2019 12:34

Operator : SY/VA

Sample : VSTDICC100

Misc : 5.00G/5ML/MSVOA W/SOIL

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ALS Vial      : 7      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

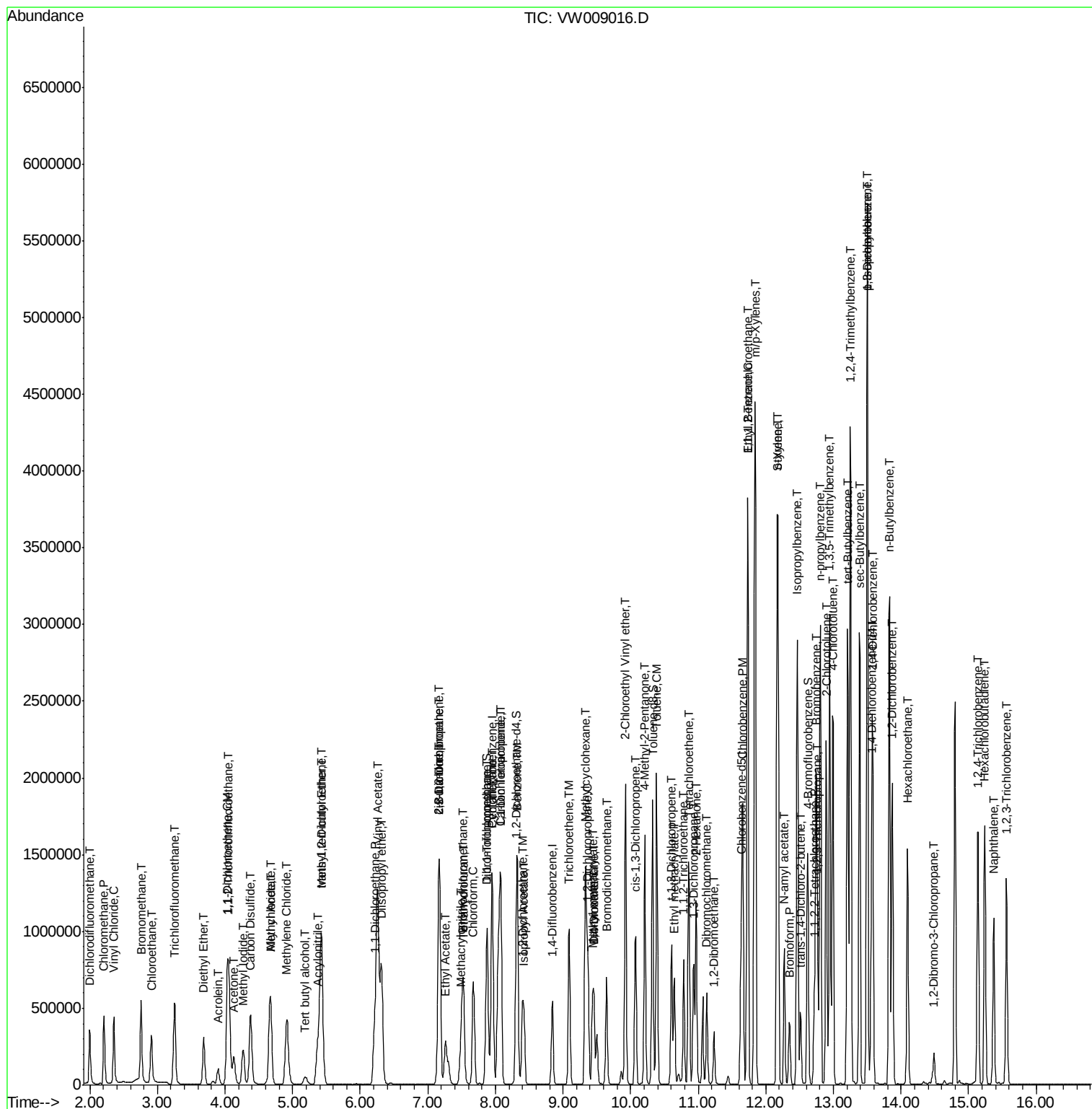
Quant Time: Mar 07 07:12:24 2019

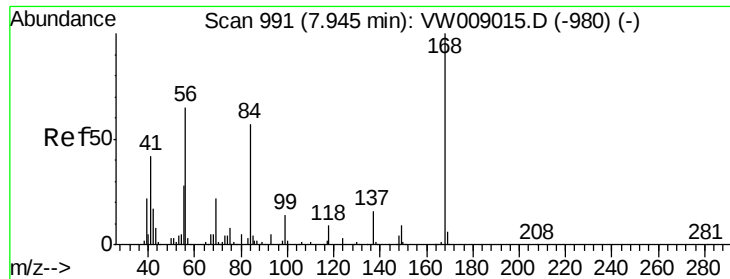
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W030619S.M

Quant Title : SW846 8260

QLast Update : Thu Mar 07 06:55:45 2019

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: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tgt Ion: 168 Resp: 306069

Ion Ratio Lower Upper

168 100

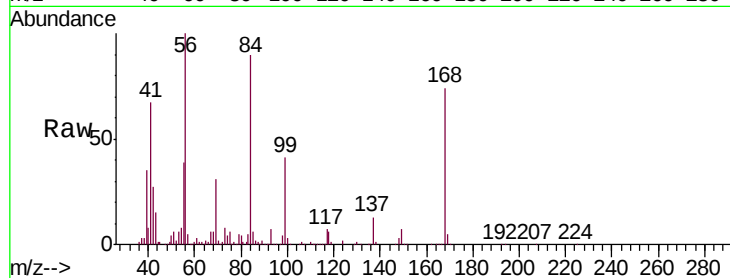
99 55.3 43.5 65.3

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:07:07 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

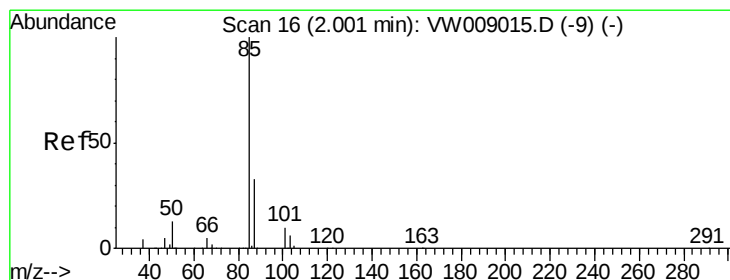
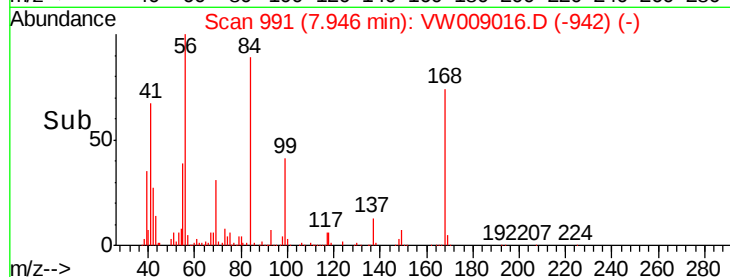
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 90.547 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW009016.D

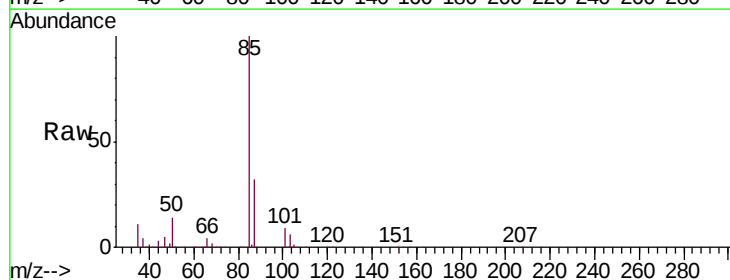
Acq: 06 Mar 2019 12:34

Tgt Ion: 85 Resp: 275305

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

200000

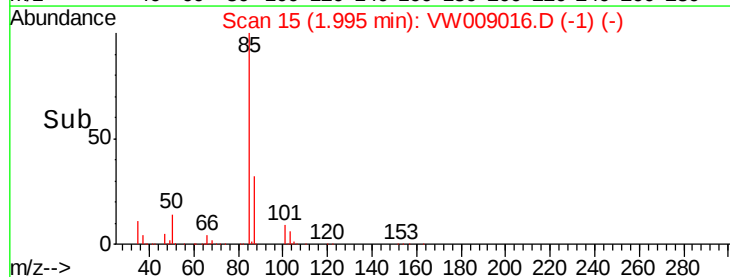
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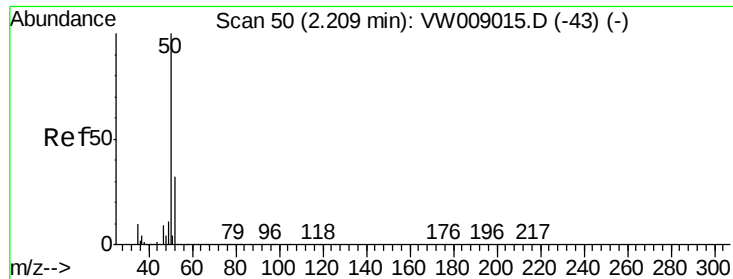
100000

50000

0

Time-->





#3

Chloromethane

Concen: 99.850 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

ClientSampled :

VSTDICC100

Tgt Ion: 50 Resp: 382396

Ion Ratio Lower Upper

50 100

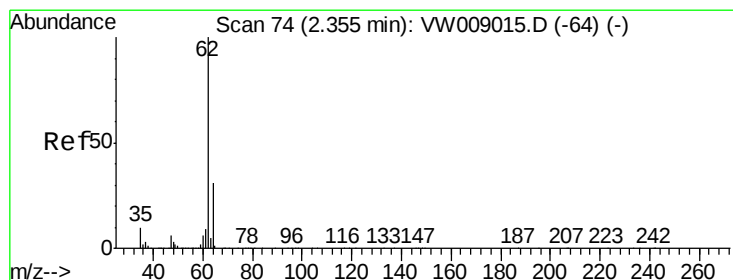
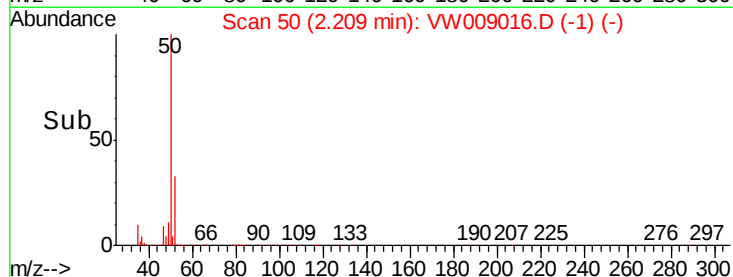
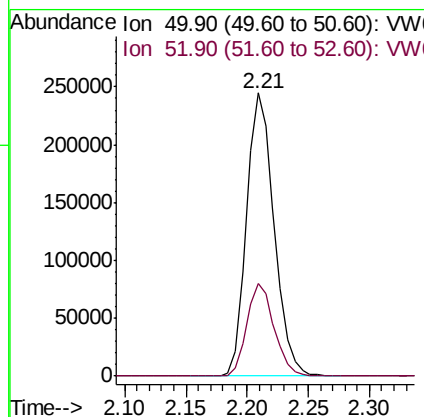
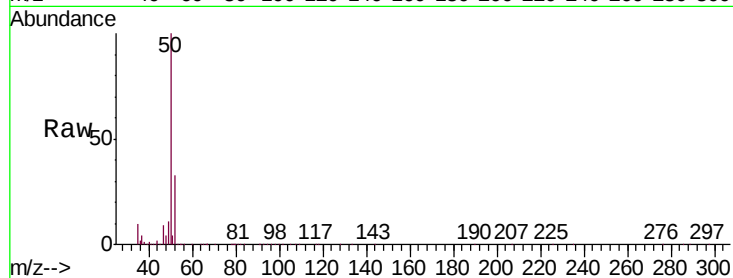
52 32.5 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:07:07 AM



#4

Vinyl Chloride

Concen: 100.553 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009016.D

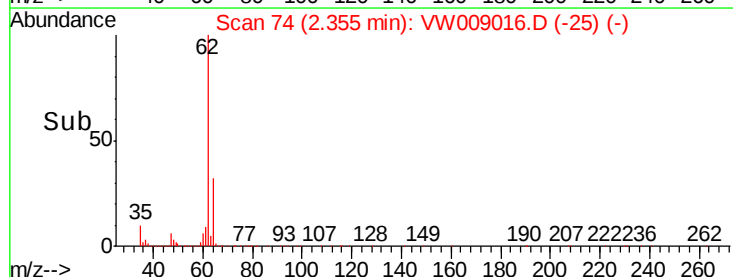
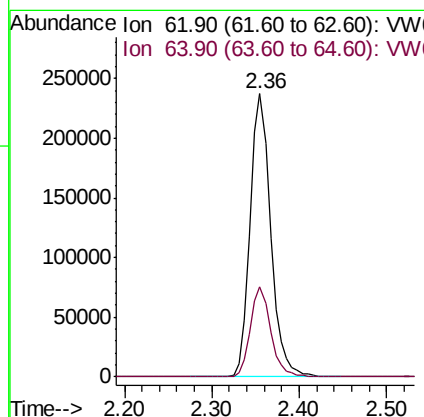
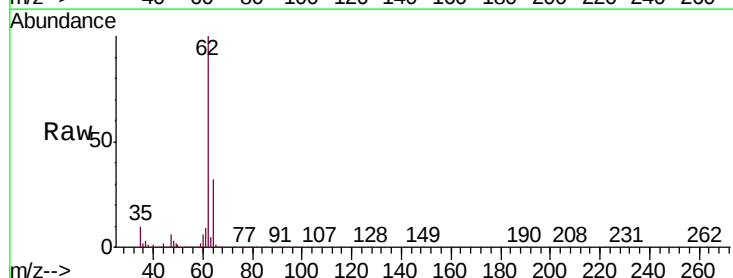
Acq: 06 Mar 2019 12:34

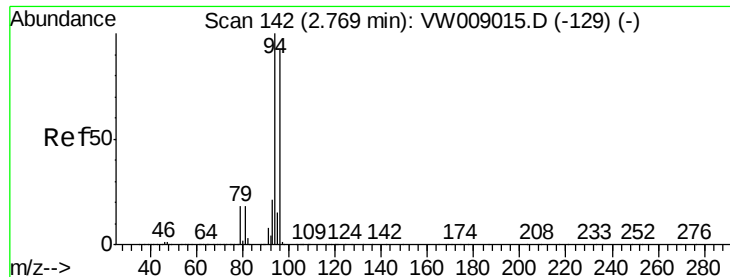
Tgt Ion: 62 Resp: 385897

Ion Ratio Lower Upper

62 100

64 31.6 24.6 36.8





#5

Bromomethane

Concen: 97.940 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 94 Resp: 330069

Ion Ratio Lower Upper

94 100

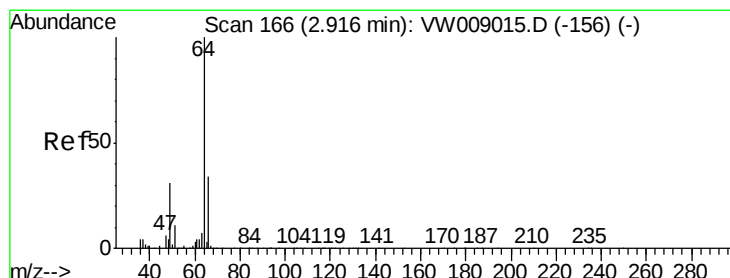
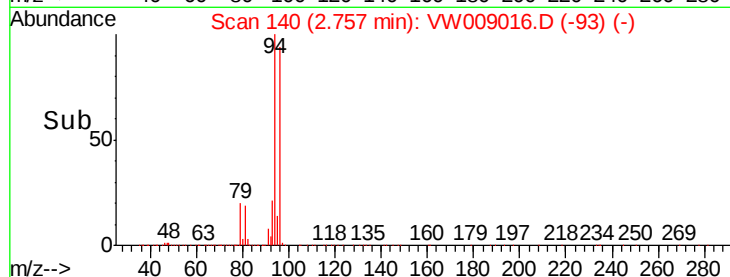
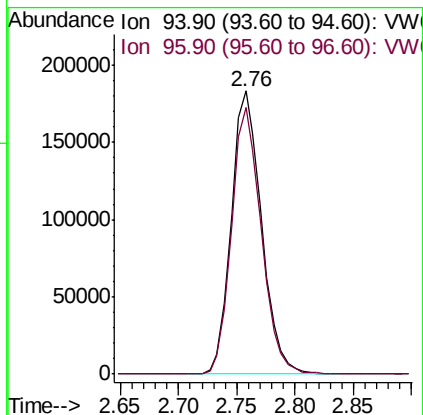
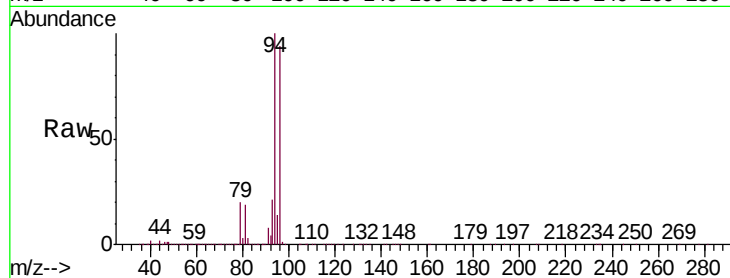
96 94.2 73.4 110.0

Manual Integrations

APPROVED

MMDadoda

3/8/2019 12:07:07 AM



#6

Chloroethane

Concen: 102.127 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009016.D

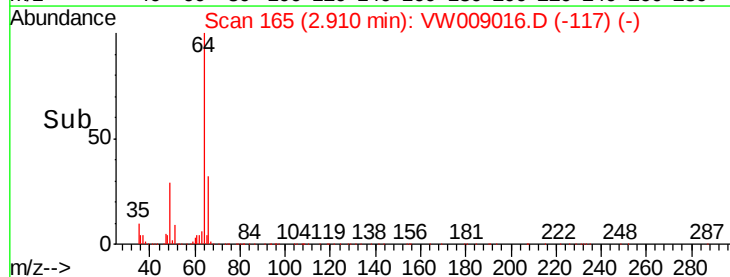
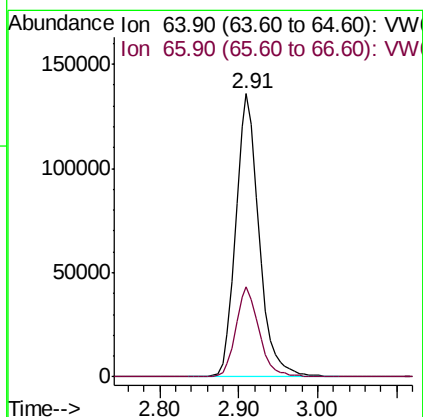
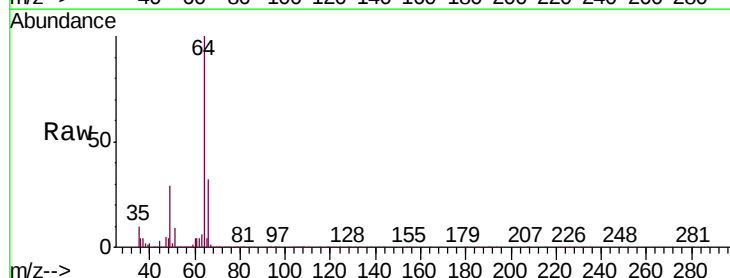
Acq: 06 Mar 2019 12:34

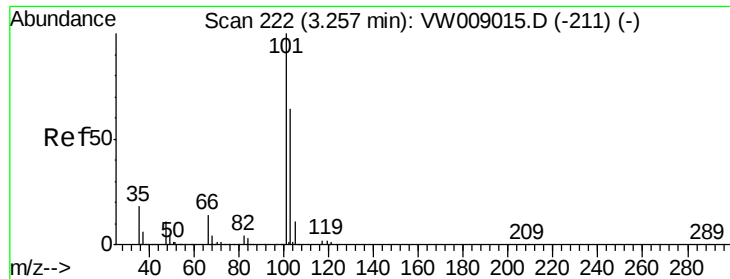
Tgt Ion: 64 Resp: 277897

Ion Ratio Lower Upper

64 100

66 31.7 27.2 40.8





#7

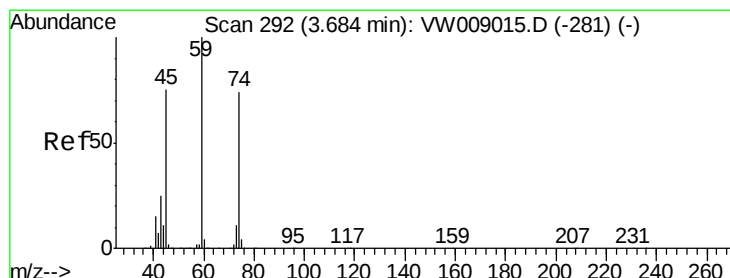
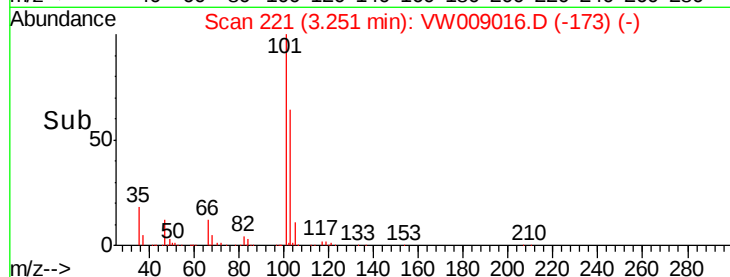
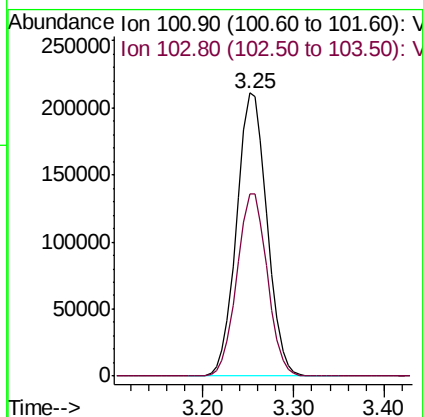
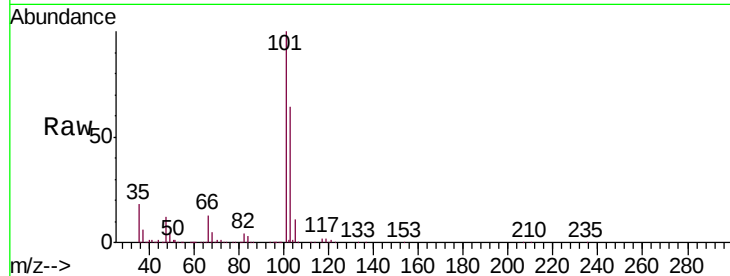
Trichlorofluoromethane
 Concen: 98.845 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.1	76.7

Manual Integrations
 APPROVED

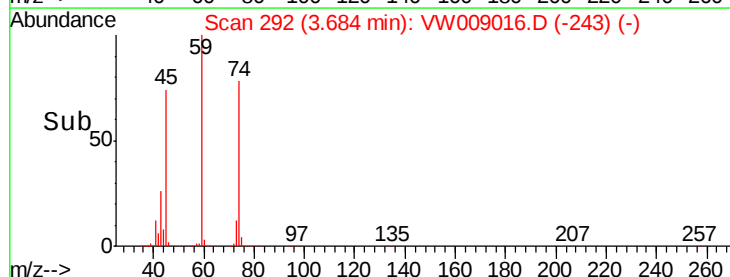
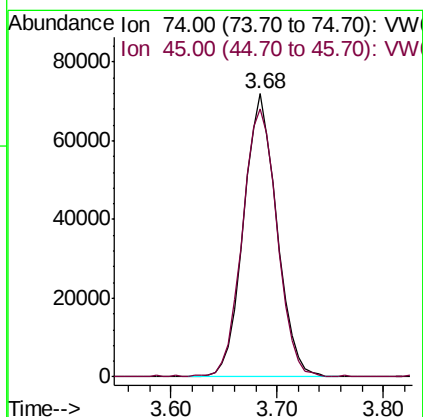
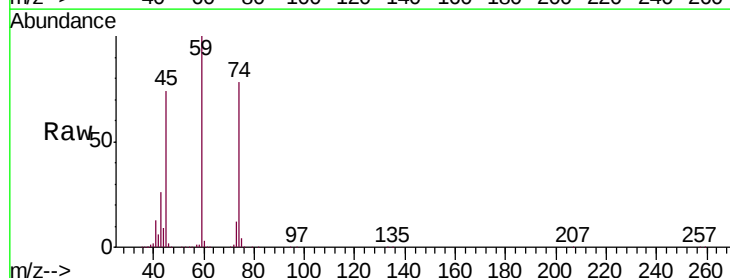
MMDadoda
 3/8/2019 12:07:07 AM

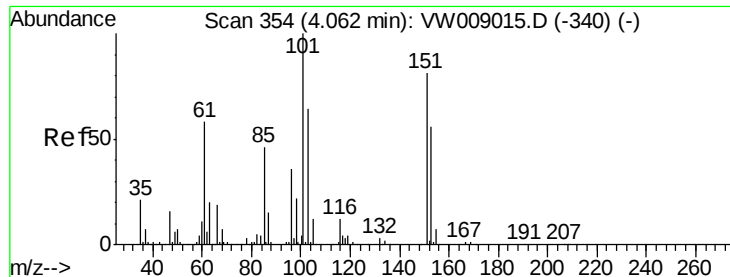


#8

Diethyl Ether
 Concen: 102.157 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	48.8	146.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.649 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

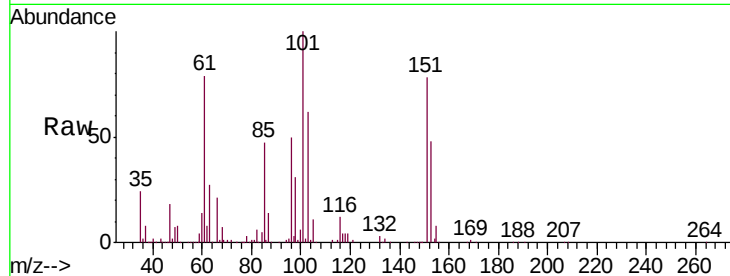
ClientSampled :

VSTDIC100

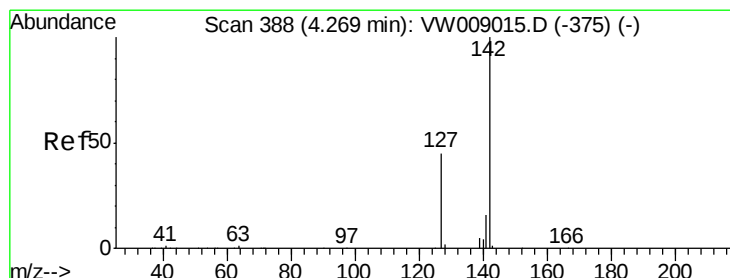
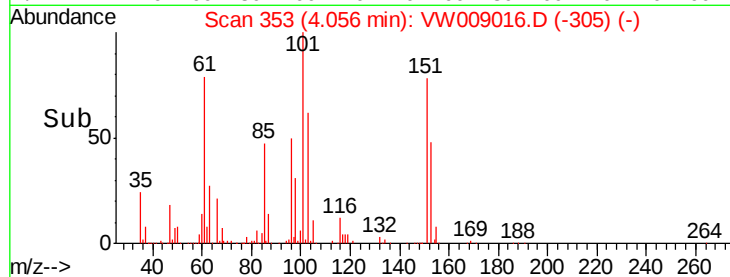
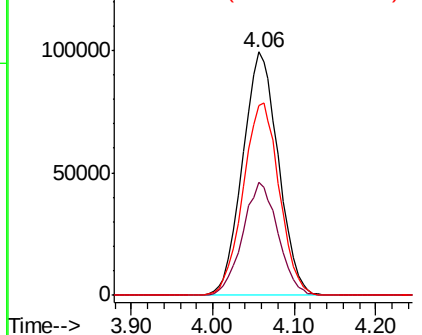
Tgt Ion:	101	Resp:	302624
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.6	55.0
151	79.9	66.0	99.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 126.929 ug/l

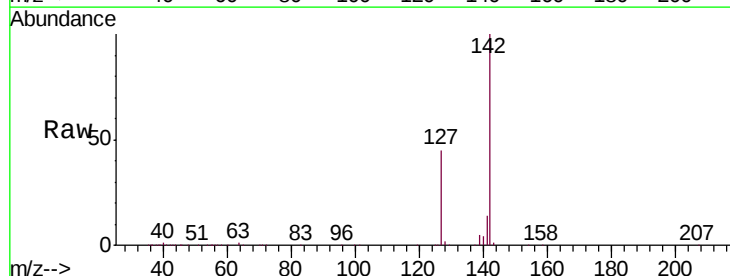
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

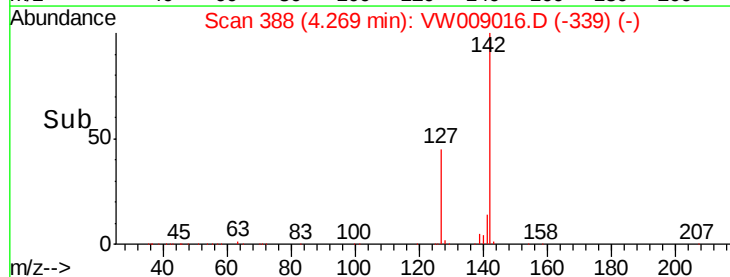
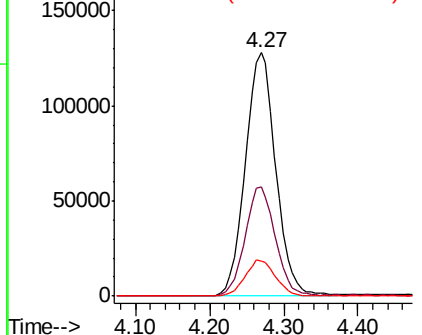
Lab File: VW009016.D

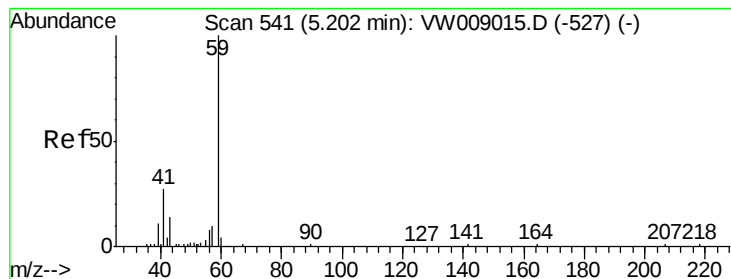
Acq: 06 Mar 2019 12:34

Tgt Ion:	142	Resp:	367560
Ion Ratio	Lower	Upper	
142	100		
127	44.6	36.2	54.2
141	14.7	12.3	18.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

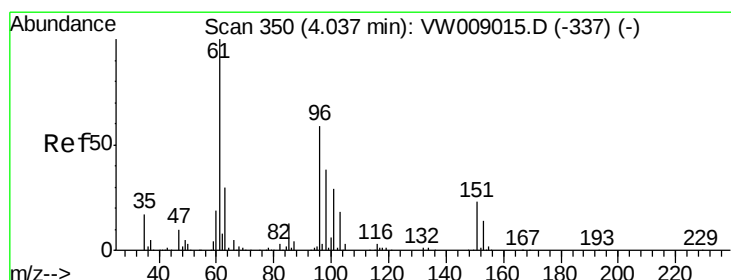
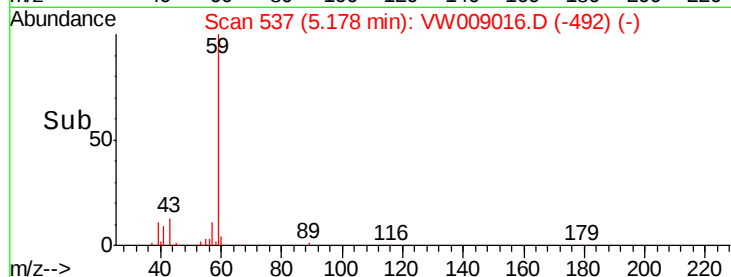
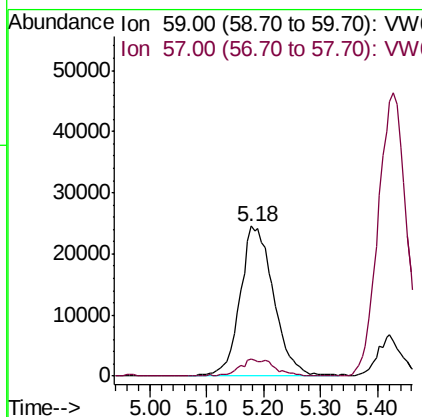
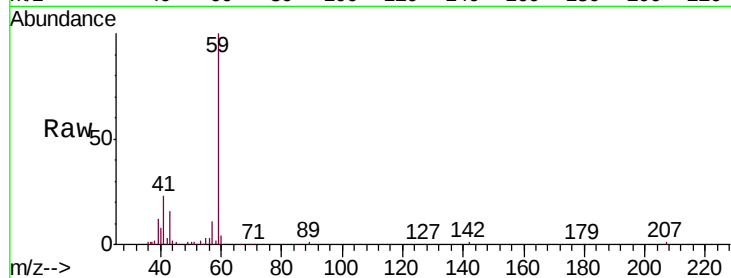
Tert butyl alcohol
Concen: 448.832 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.02 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.0	13.6

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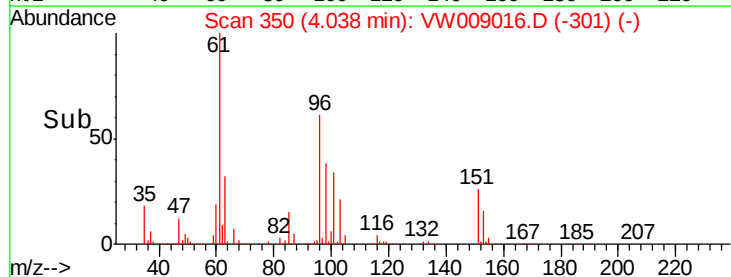
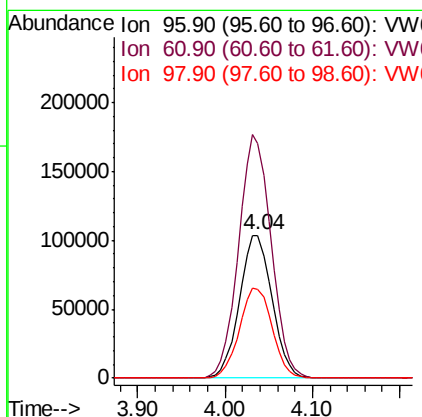
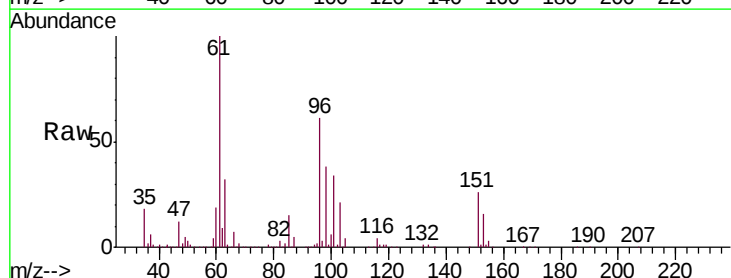
MMDadoda
3/8/2019 12:07:07 AM

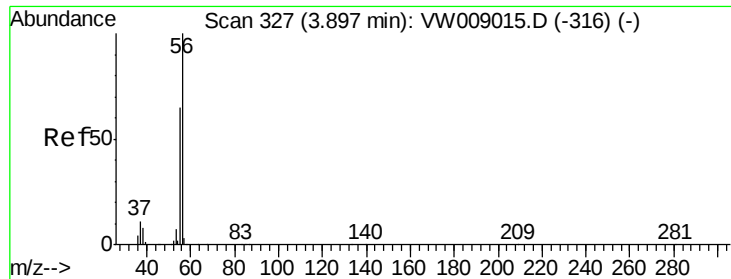


#12

1,1-Dichloroethene
Concen: 100.673 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.2	135.8	203.6
98	62.4	51.6	77.4





#13

Acrolein

Concen: 478.741 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 120542

Ion Ratio Lower Upper

56 100

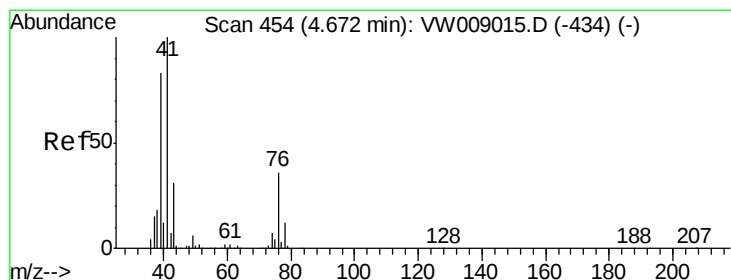
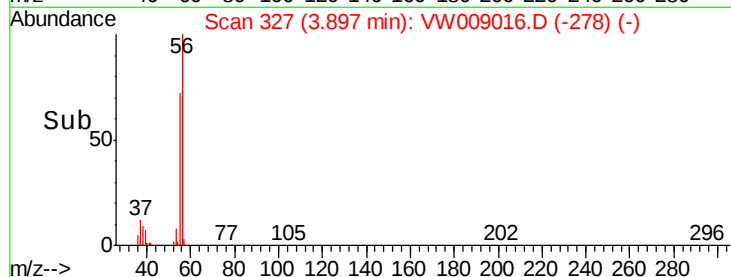
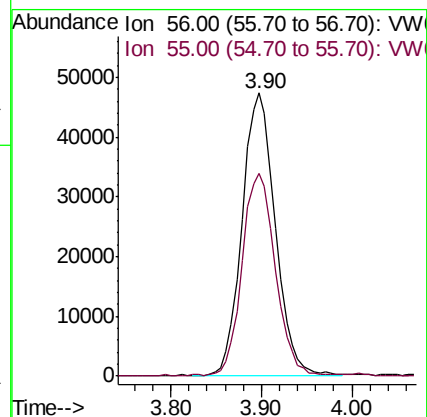
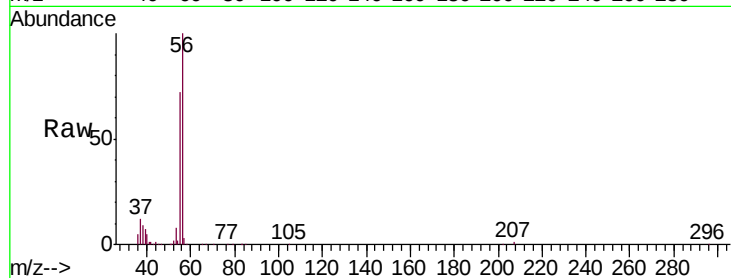
55 71.0 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 106.225 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

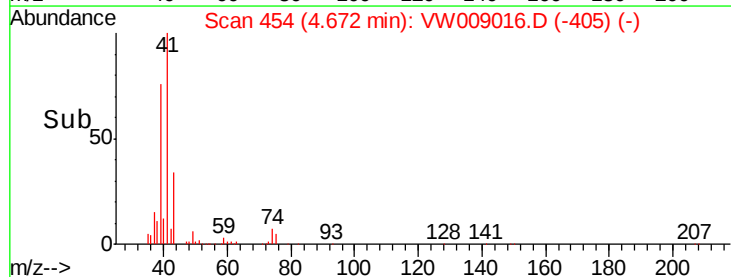
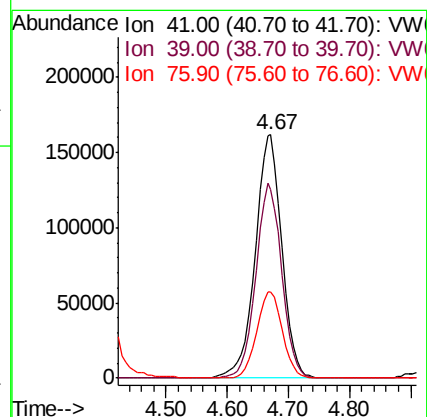
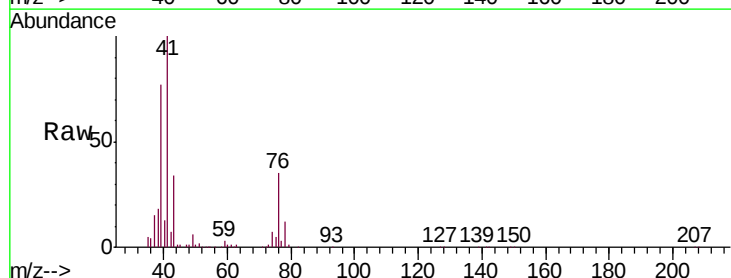
Tgt Ion: 41 Resp: 490914

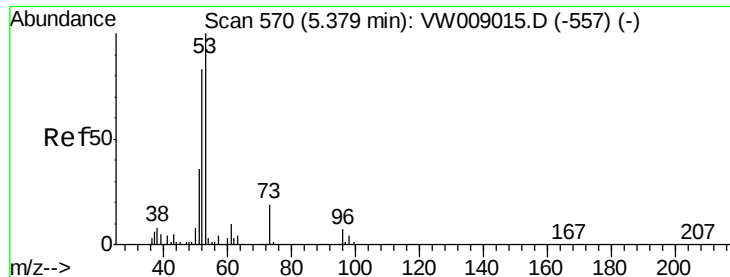
Ion Ratio Lower Upper

41 100

39 77.9 63.6 95.4

76 34.4 27.9 41.9





#15

Acrylonitrile

Concen: 515.374 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

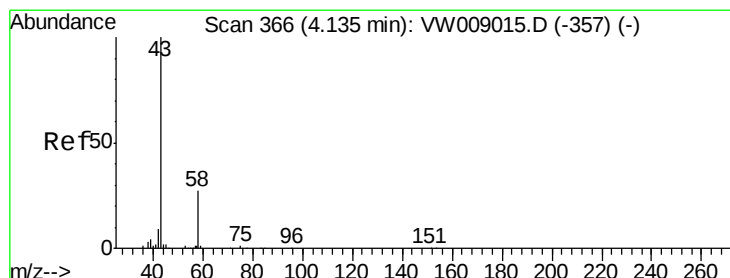
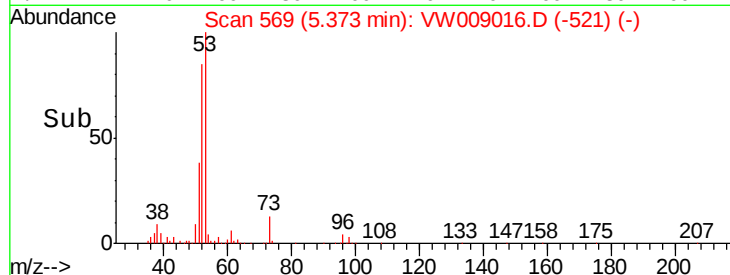
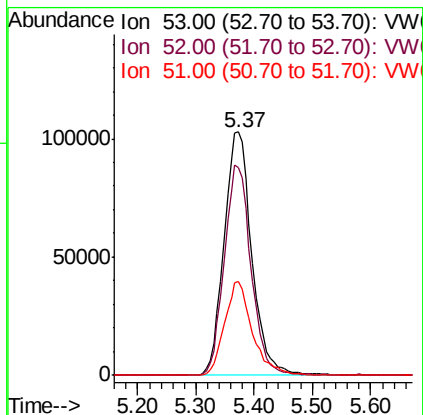
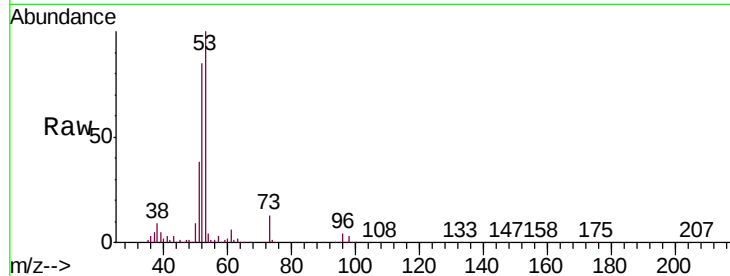
ClientSampleId :

VSTDICC100

Tgt Ion:	53	Resp:	340487
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.6	100.0
51	38.2	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 511.549 ug/l

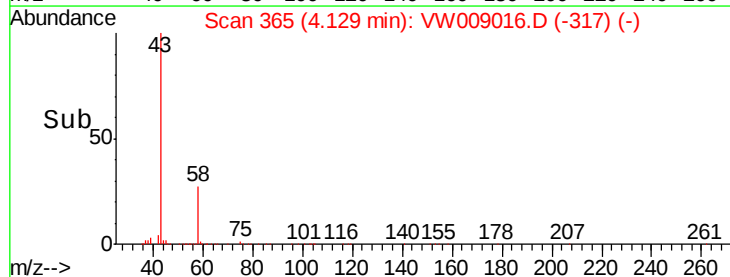
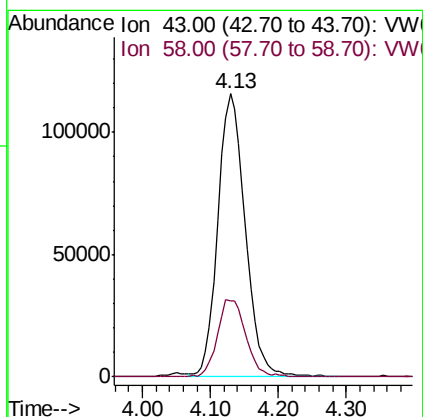
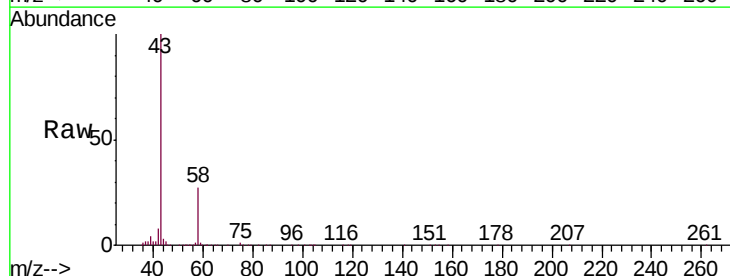
RT: 4.13 min Scan# 365

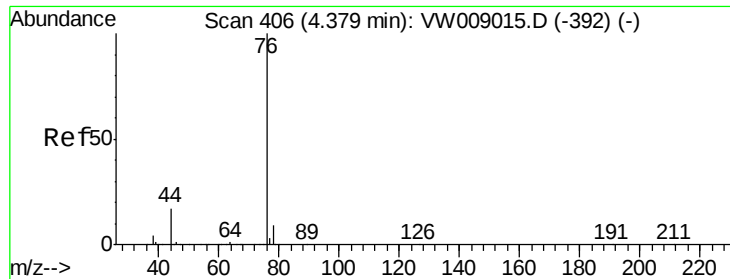
Delta R.T. -0.01 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Tgt Ion:	43	Resp:	322453
Ion	Ratio	Lower	Upper
43	100		
58	26.8	21.6	32.4





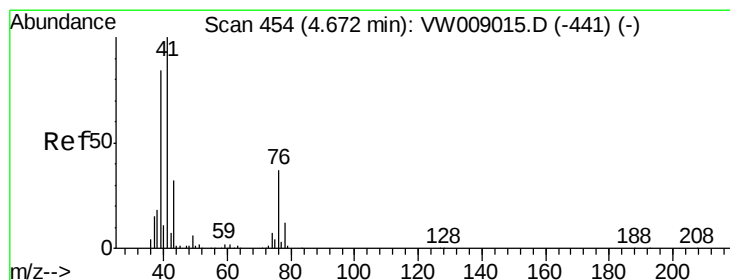
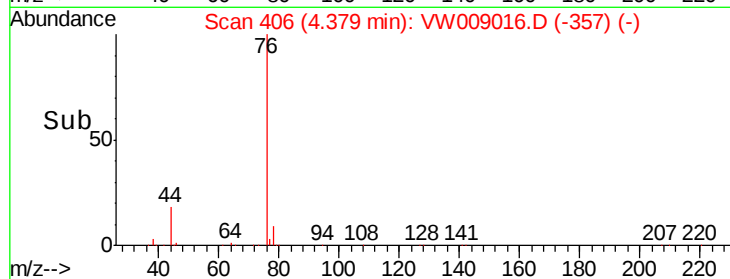
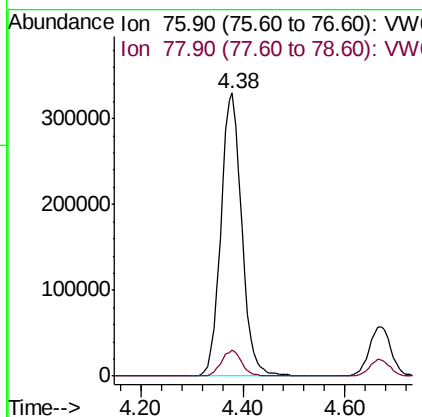
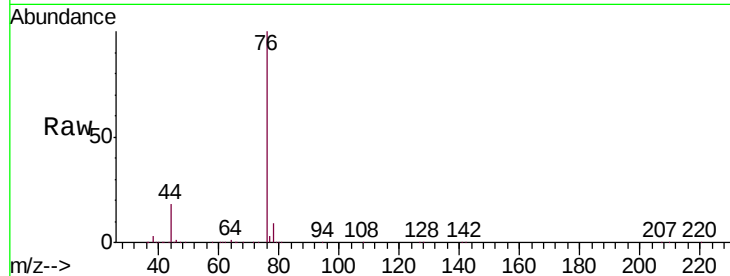
#17
Carbon Disulfide
Concen: 104.228 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.4	6.9	10.3

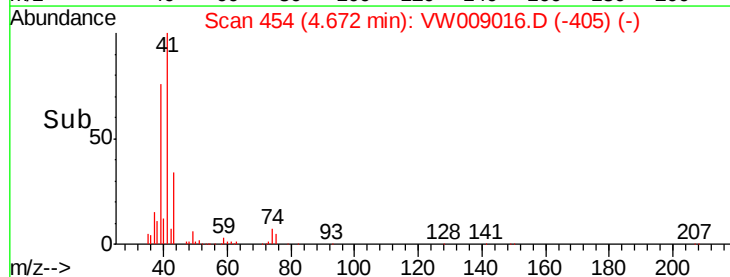
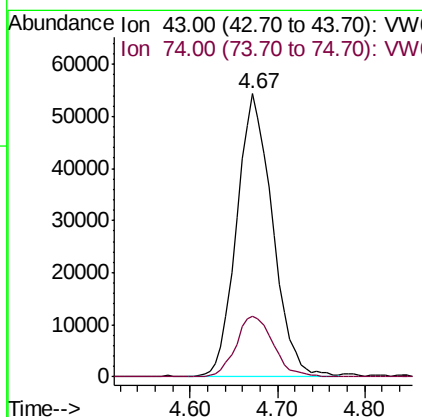
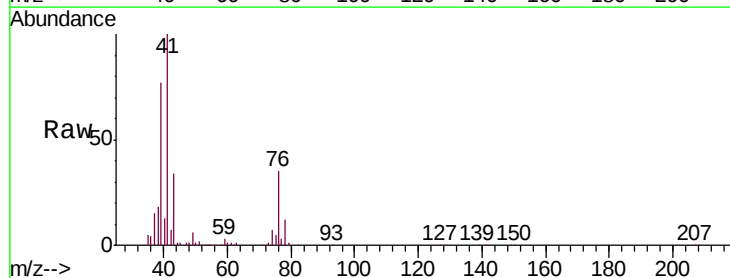
Manual Integrations
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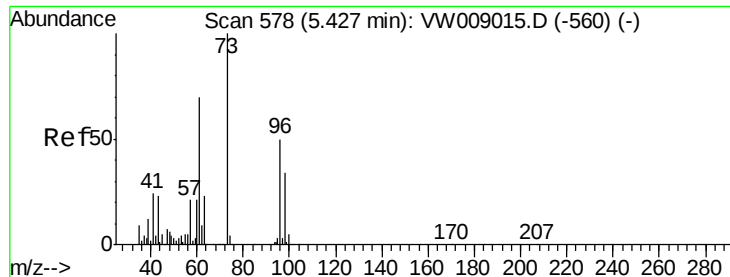
MMDadoda
3/8/2019 12:07:07 AM



#18
Methyl Acetate
Concen: 107.166 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.7	26.5





#19

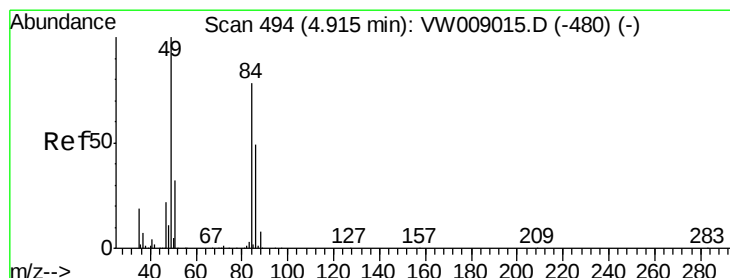
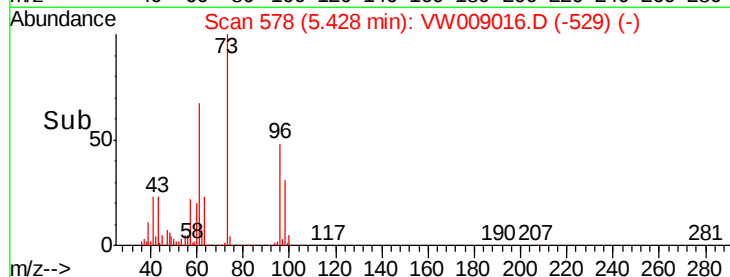
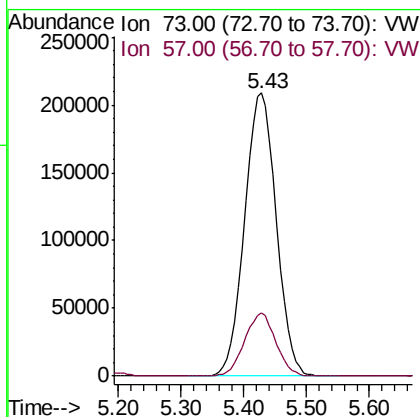
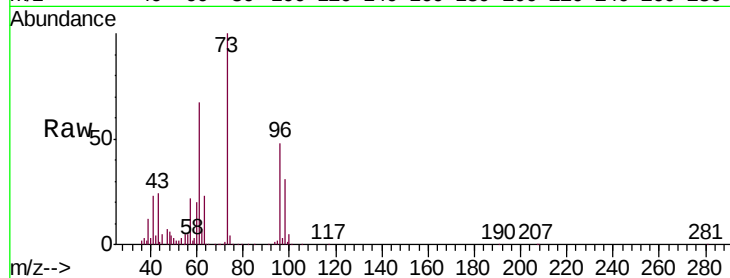
Methyl tert-butyl Ether
 Concen: 105.257 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.0	25.6

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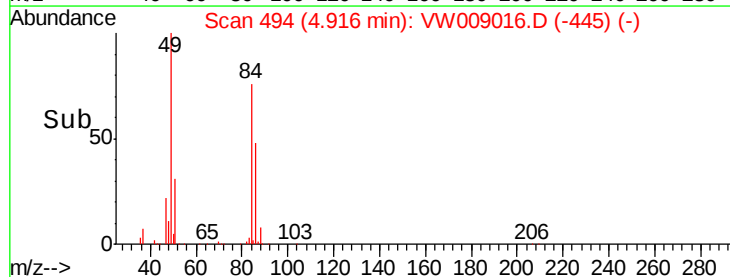
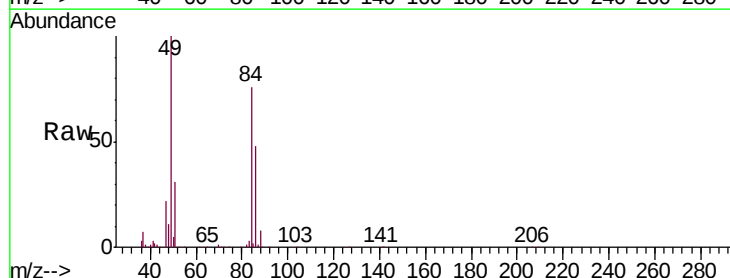
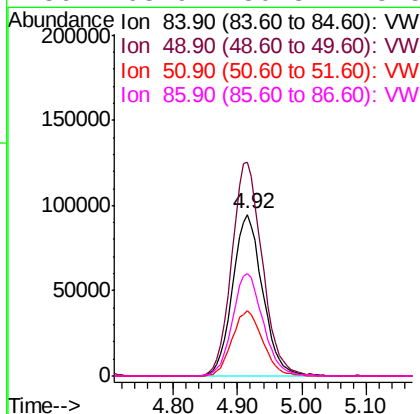
MMDadoda
 3/8/2019 12:07:07 AM

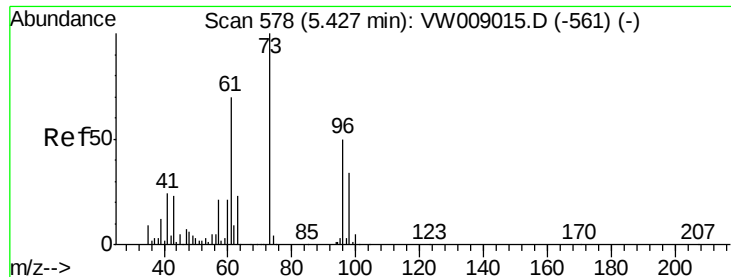


#20

Methylene Chloride
 Concen: 83.335 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.3	102.8	154.2
51	40.8	32.4	48.6
86	63.9	50.3	75.5





#21

trans-1,2-Dichloroethene

Concen: 102.161 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

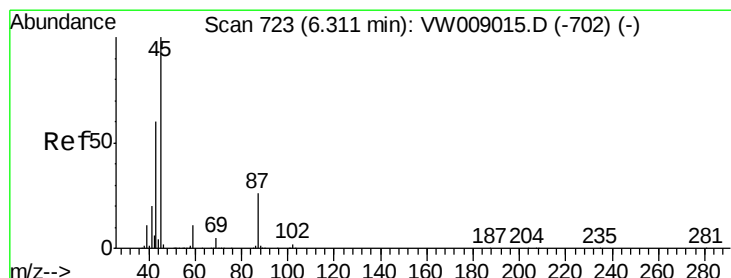
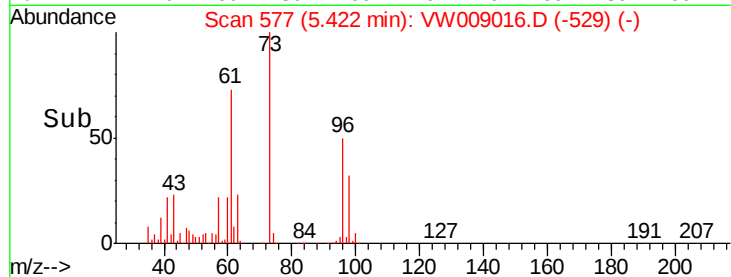
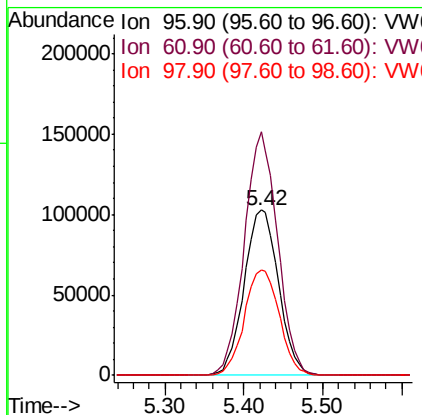
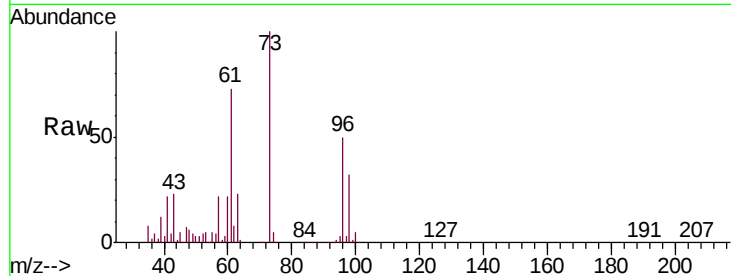
ClientSampleId :

VSTDIC100

Tgt Ion:	96	Resp:	312369
Ion	Ratio	Lower	Upper
96	100		
61	147.3	113.2	169.8
98	63.6	55.7	83.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 105.710 ug/l

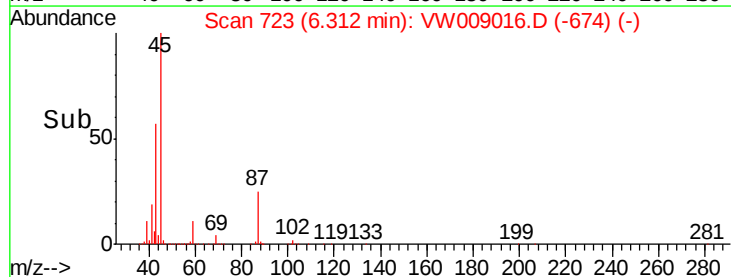
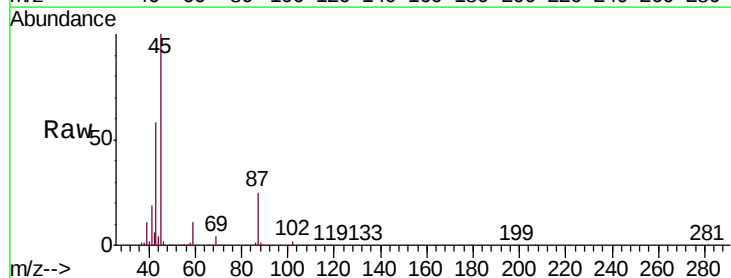
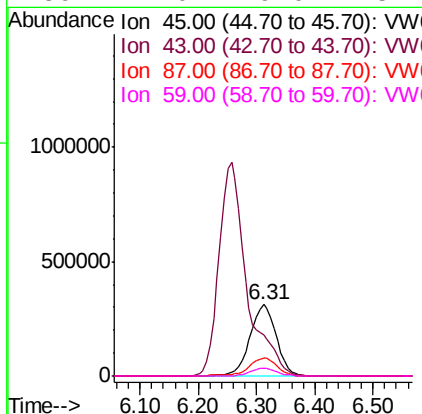
RT: 6.31 min Scan# 723

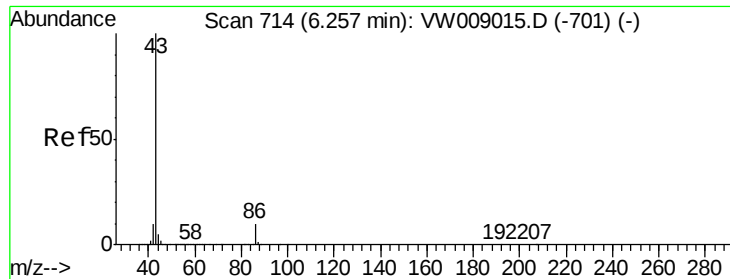
Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Tgt Ion:	45	Resp:	975518
Ion	Ratio	Lower	Upper
45	100		
43	57.4	48.1	72.1
87	25.1	20.9	31.3
59	11.0	9.0	13.4





#23

Vinyl Acetate

Concen: 537.145 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tgt Ion: 43 Resp: 3087282

Ion Ratio Lower Upper

43 100

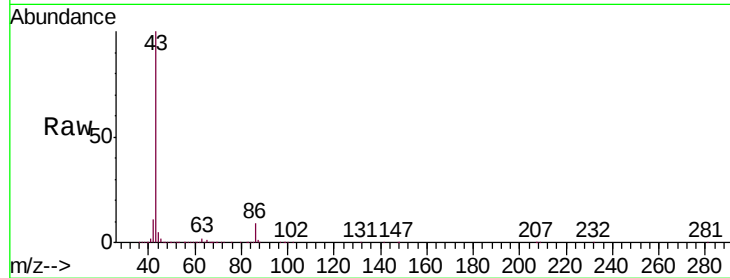
86 9.4 8.0 12.0

Manual Integrations

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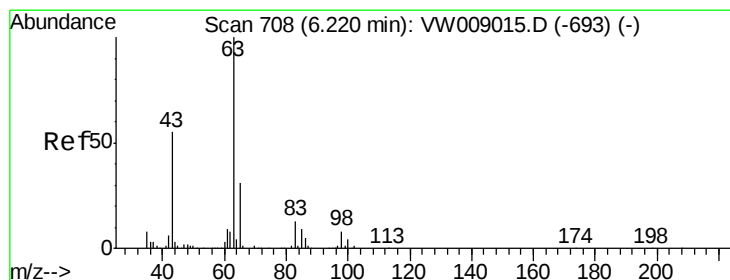
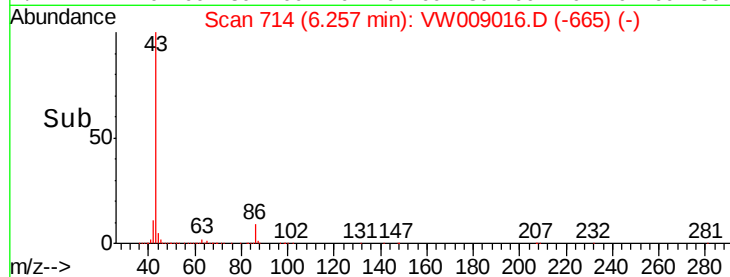
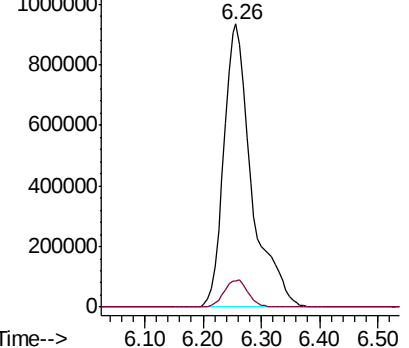
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 102.961 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

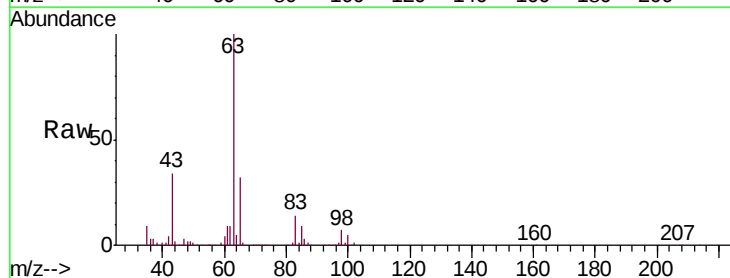
Tgt Ion: 63 Resp: 552466

Ion Ratio Lower Upper

63 100

98 7.2 4.0 12.2

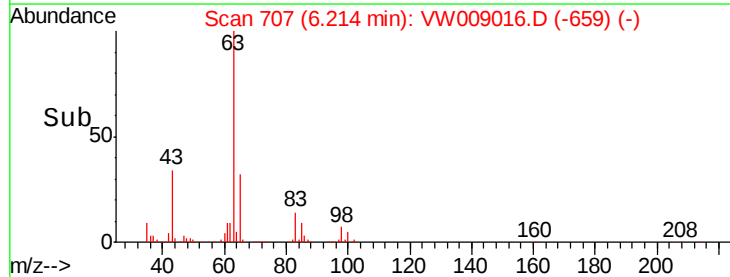
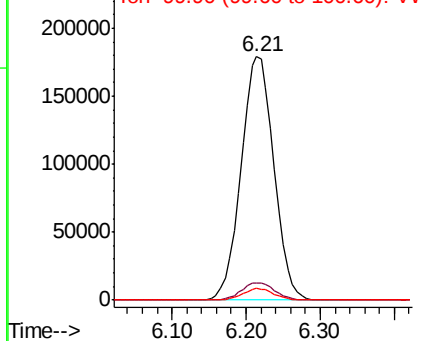
100 4.9 2.0 5.8

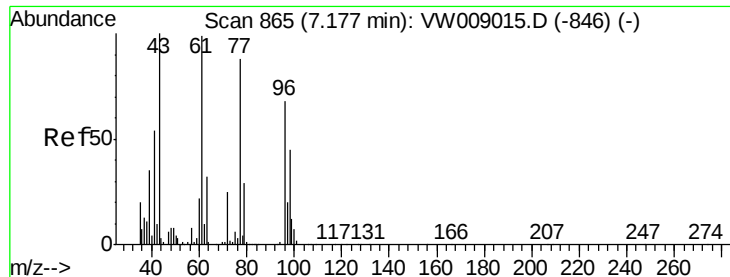


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 519.532 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

ClientSampled :

VSTDICC100

Tgt Ion: 43 Resp: 466119

Ion Ratio Lower Upper

43 100

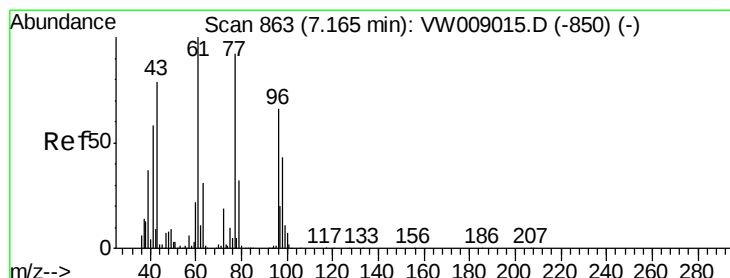
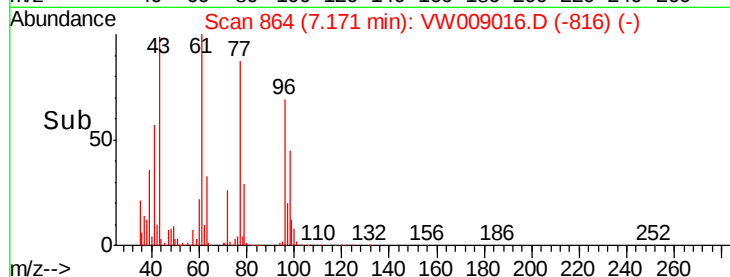
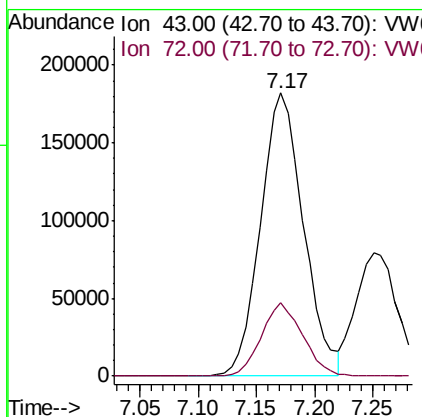
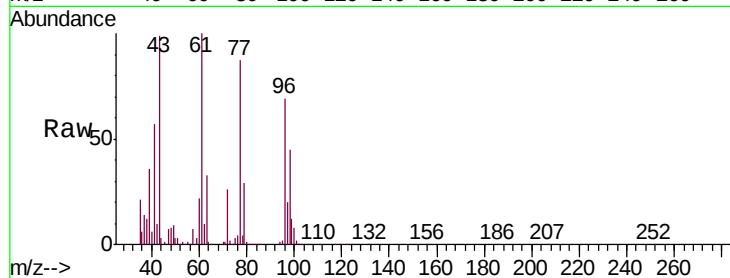
72 25.8 20.2 30.2

Manual Integrations

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3/8/2019 12:07:07 AM



#26

2,2-Dichloropropane

Concen: 98.580 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009016.D

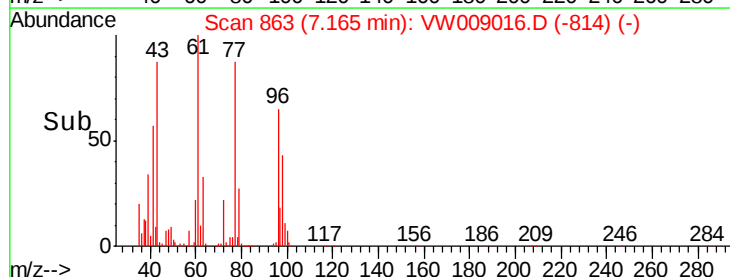
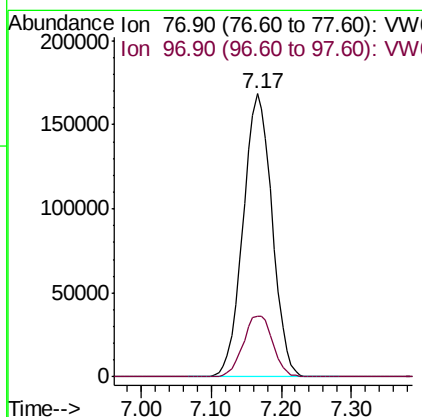
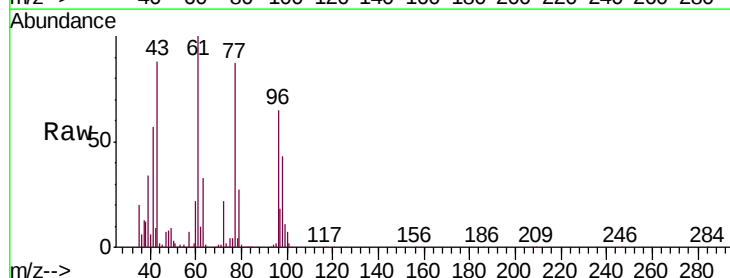
Acq: 06 Mar 2019 12:34

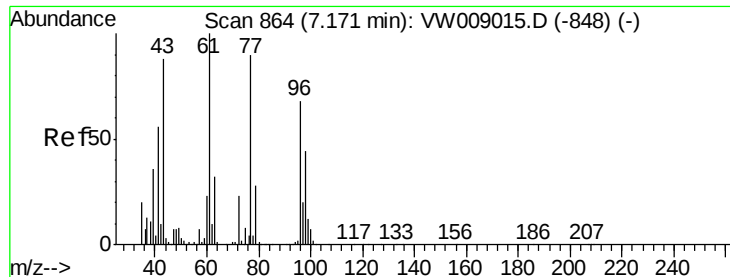
Tgt Ion: 77 Resp: 483862

Ion Ratio Lower Upper

77 100

97 22.0 10.7 32.1





#27

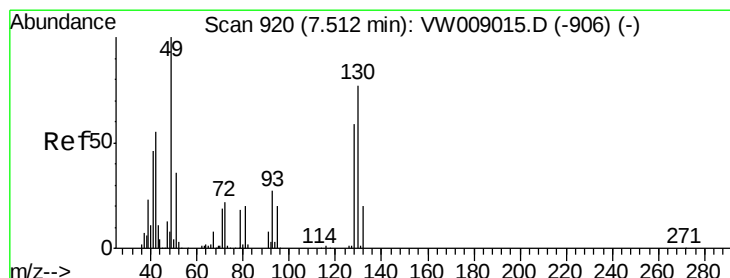
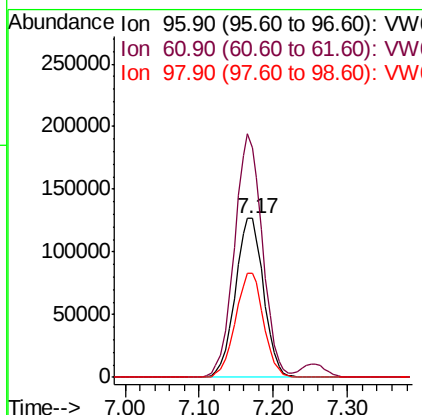
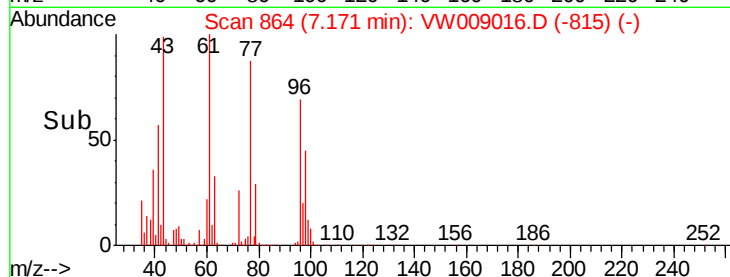
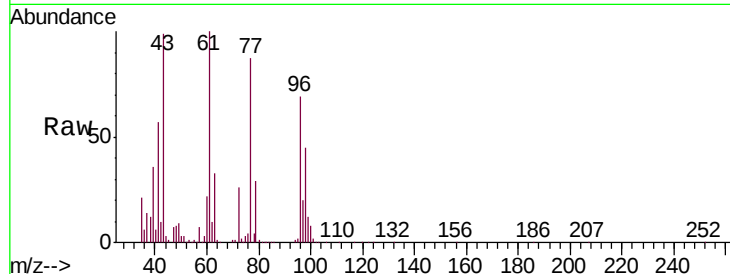
cis-1,2-Dichloroethene
Concen: 104.789 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	337303		
61	151.6	0.0	303.6	
98	65.2	0.0	129.0	

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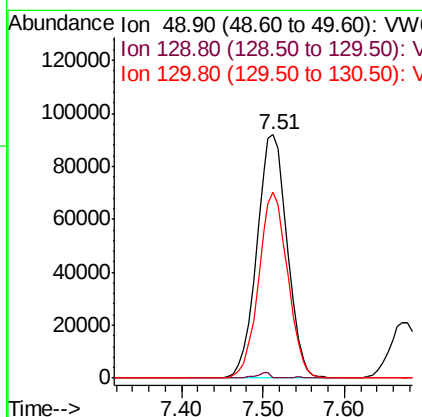
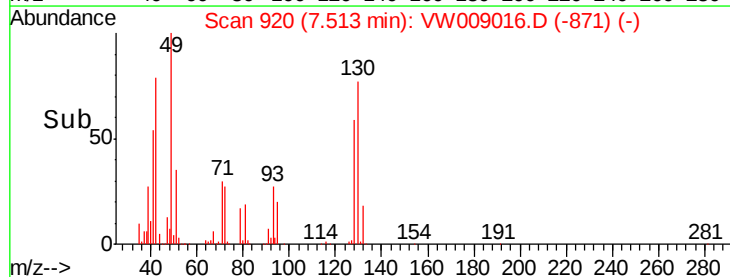
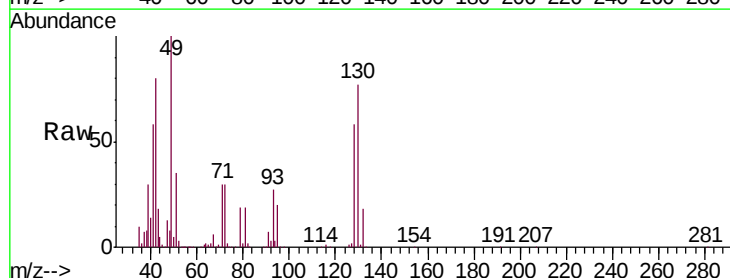
MMDadoda
3/8/2019 12:07:07 AM

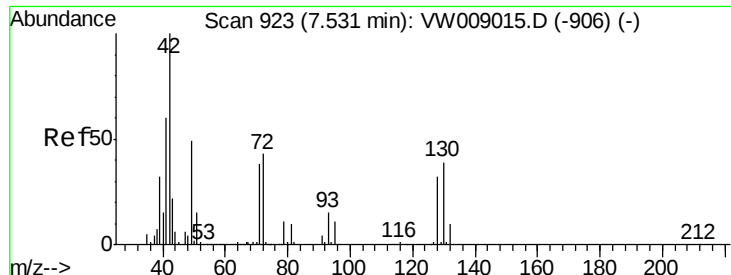


#28

Bromochloromethane
Concen: 102.213 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	238076		
129	1.1	0.0	3.2	
130	73.3	59.9	89.9	





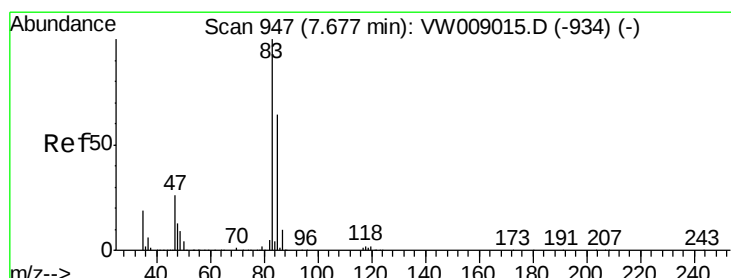
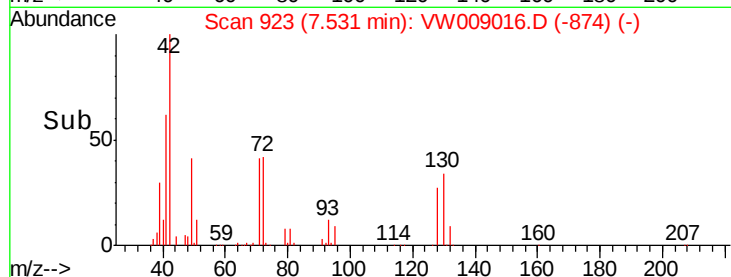
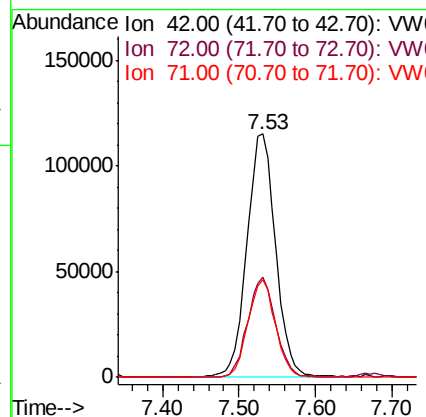
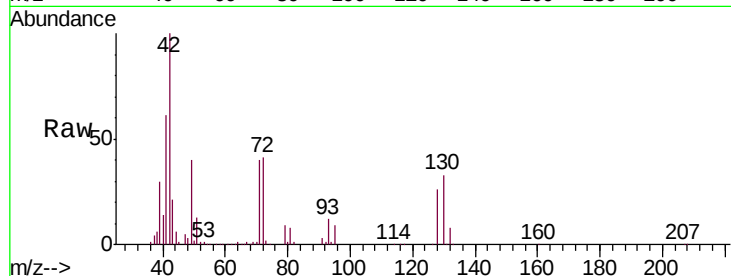
#29
Tetrahydrofuran
Concen: 534.748 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.5	48.7
71	38.2	31.6	47.4

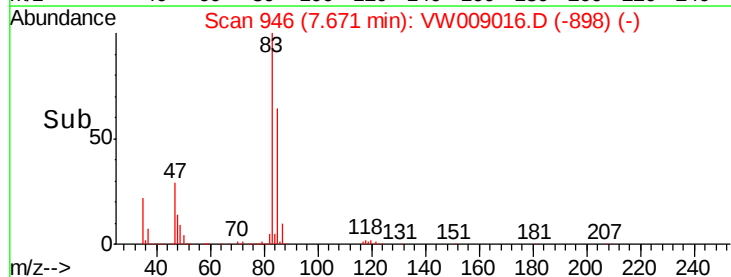
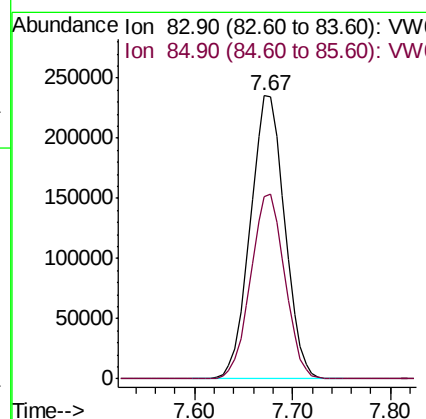
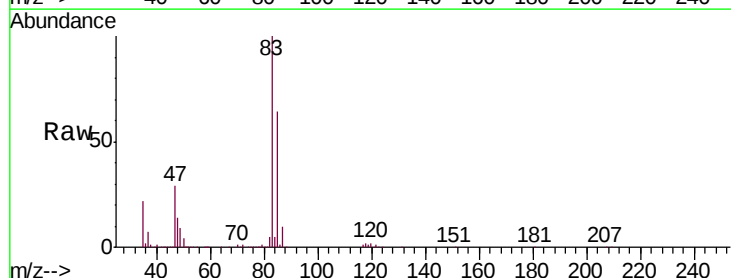
Manual Integrations
APPROVED

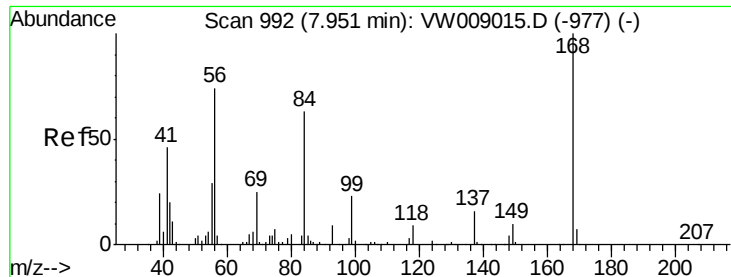
MMDadoda
3/8/2019 12:07:07 AM



#30
Chloroform
Concen: 104.472 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.0





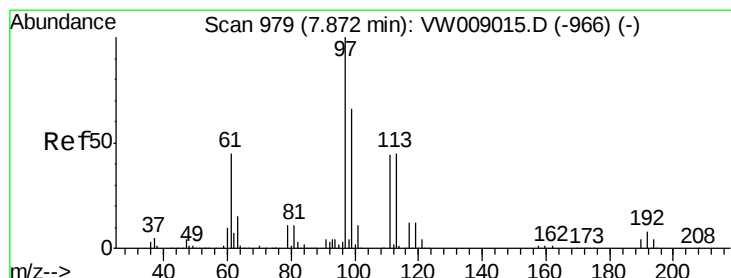
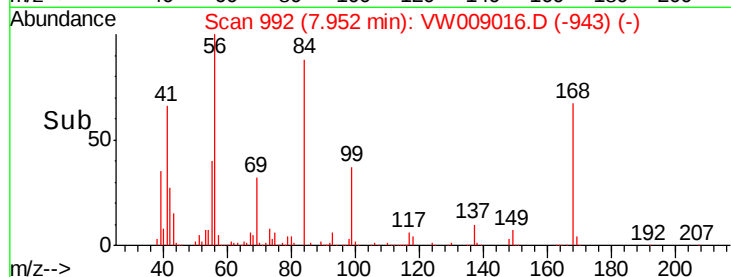
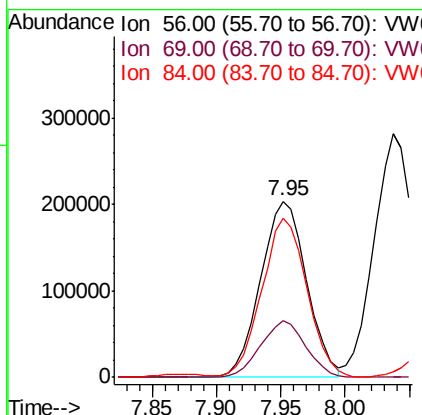
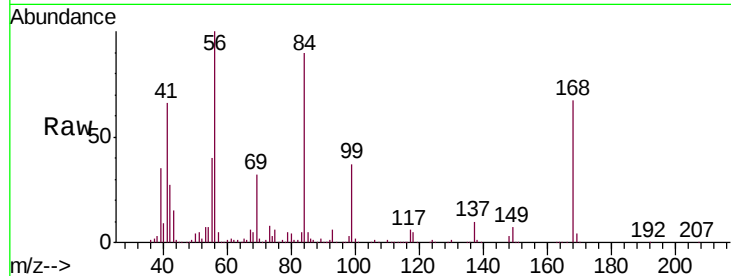
#31
Cyclohexane
Concen: 91.354 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.3	27.0	40.4
84	88.5	68.3	102.5

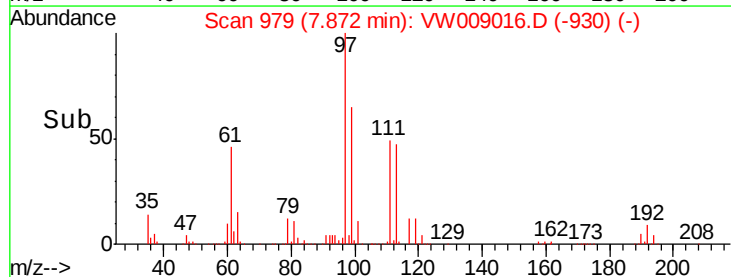
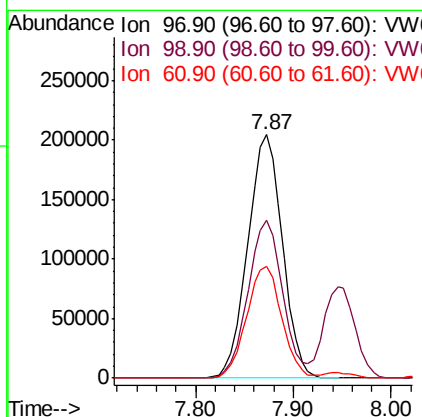
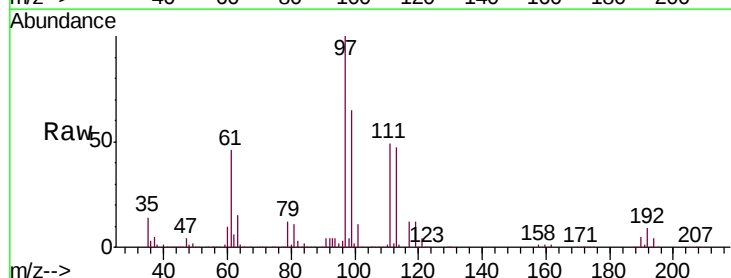
Manual Integrations
APPROVED

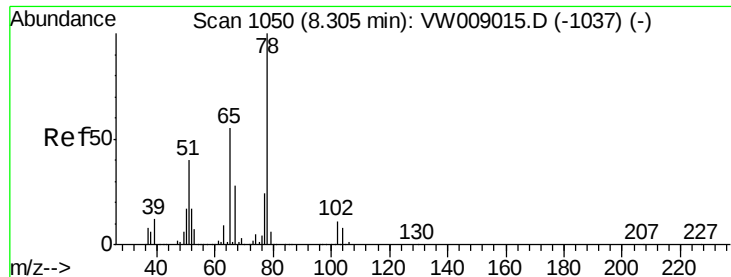
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 100.191 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.4	77.0
61	46.9	37.4	56.0





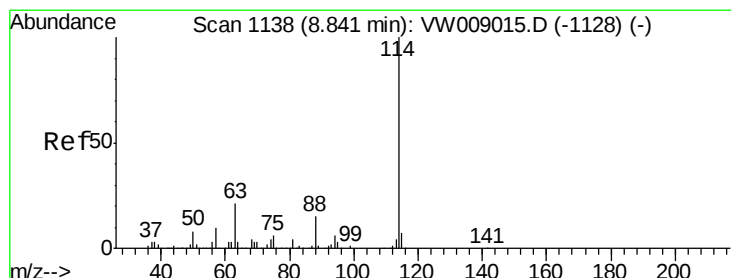
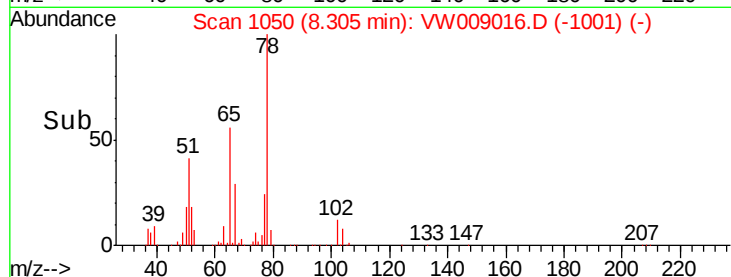
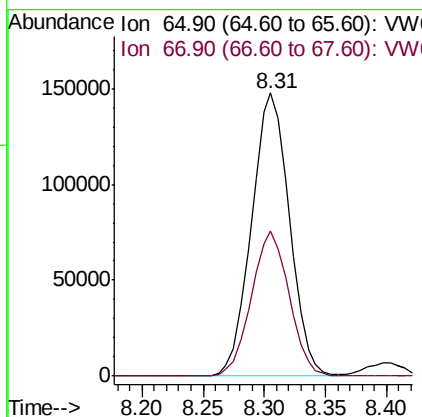
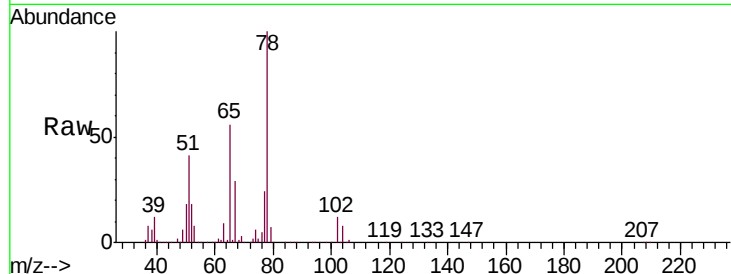
#33
 1,2-Dichloroethane-d4
 Concen: 103.800 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	318727		
67	50.7	0.0	102.2	

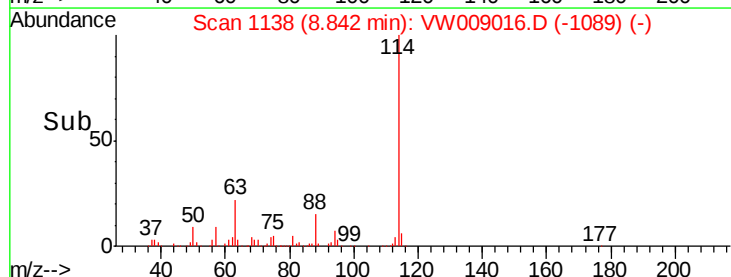
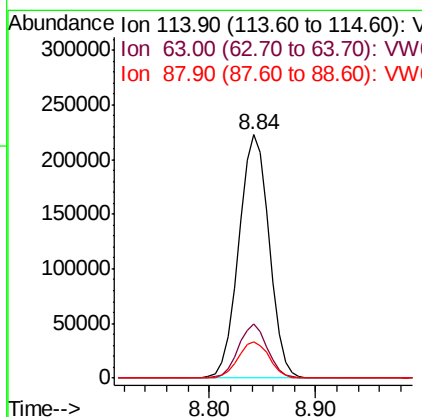
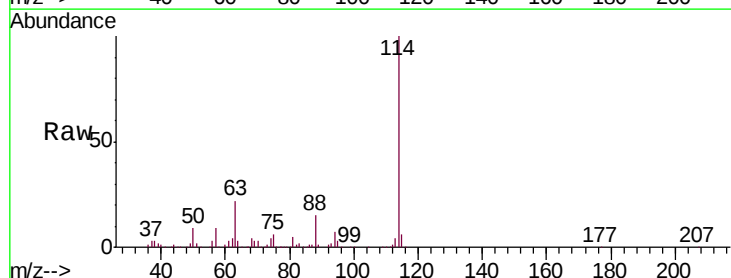
Manual Integrations
 APPROVED

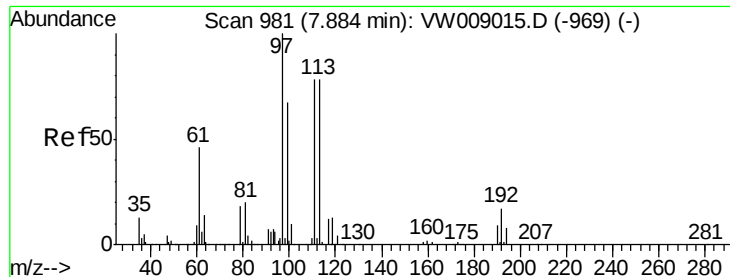
MMDadoda
 3/8/2019 12:07:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	445550		
63	22.0	0.0	42.4	
88	15.2	0.0	30.8	





#35

Dibromofluoromethane

Concen: 104.085 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

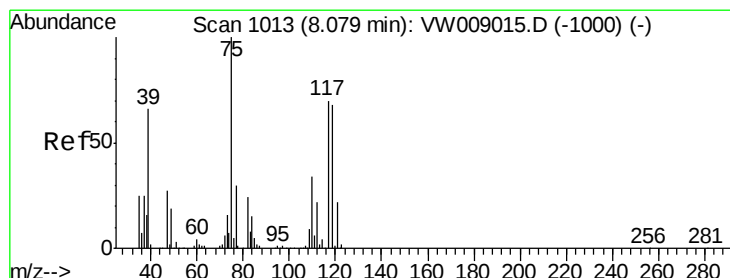
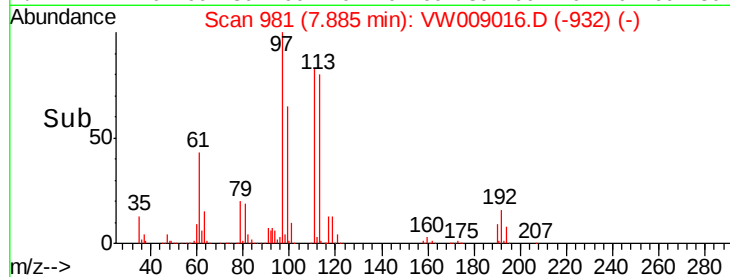
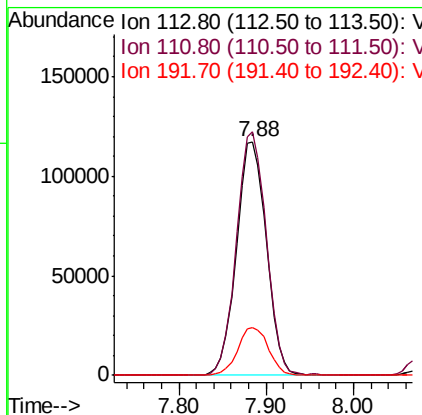
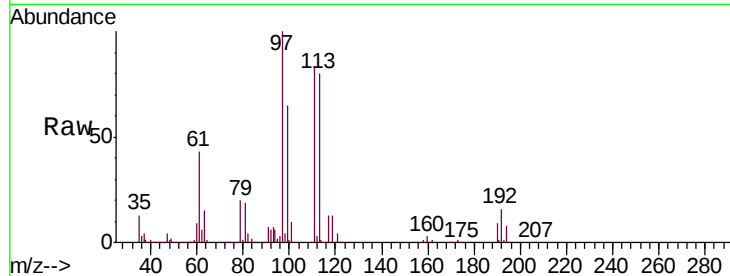
ClientSampleId :

VSTDIC100

Tgt Ion:	113	Resp:	279172
Ion Ratio	Lower	Upper	
113	100		
111	104.3	80.5	120.7
192	21.0	16.7	25.1

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



#36

1,1-Dichloropropene

Concen: 98.222 ug/l

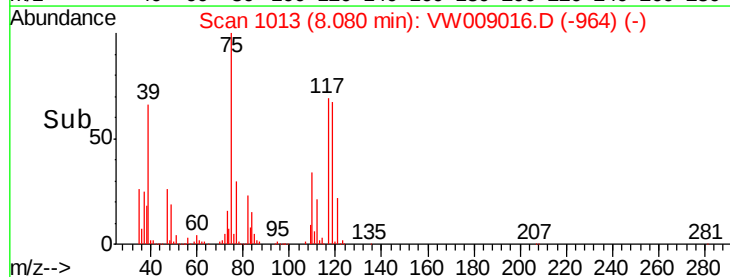
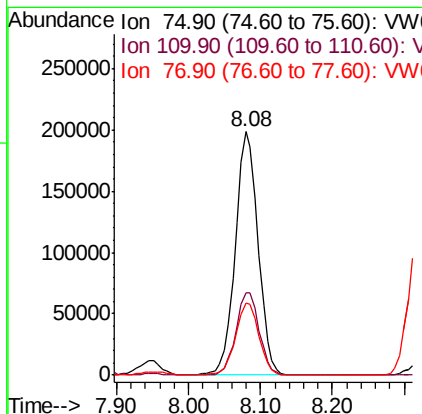
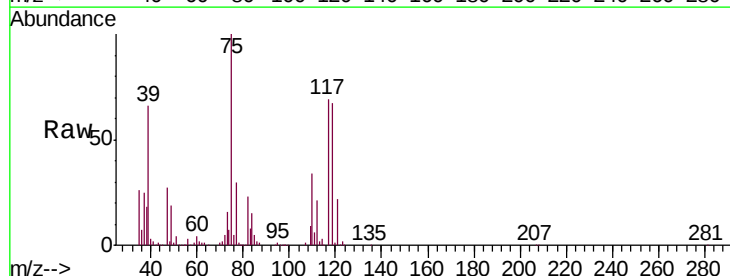
RT: 8.08 min Scan# 1013

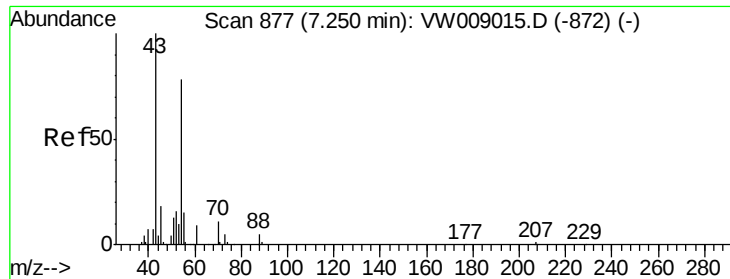
Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Tgt Ion:	75	Resp:	435146
Ion Ratio	Lower	Upper	
75	100		
110	34.5	17.3	51.9
77	30.5	24.8	37.2





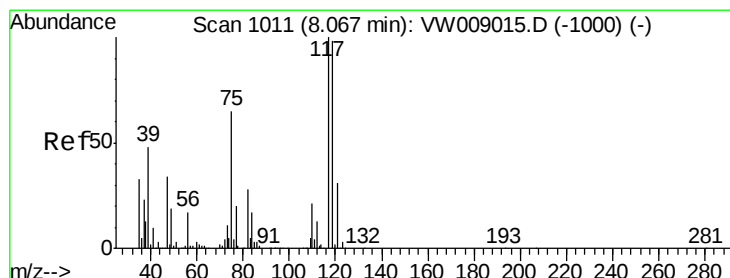
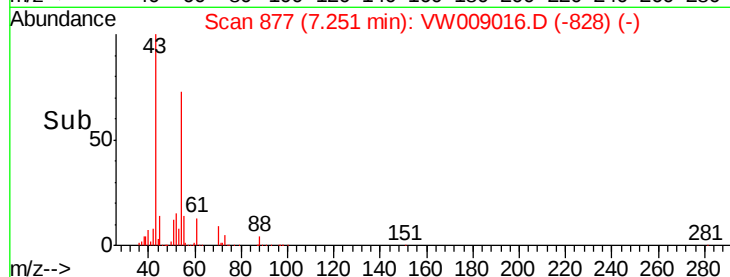
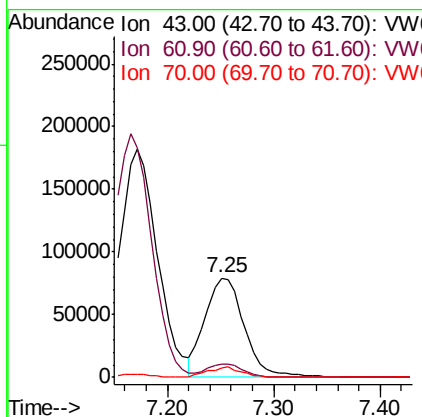
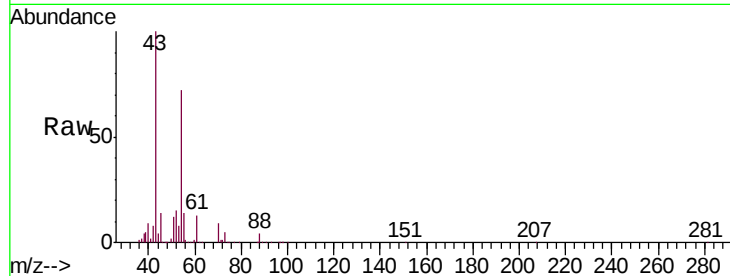
#37
Ethyl Acetate
Concen: 102.412 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.6	15.8
70	9.4	7.8	11.8

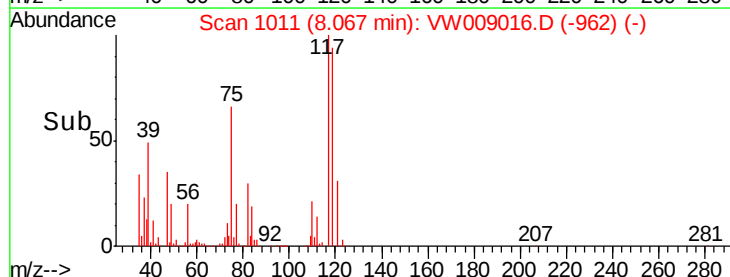
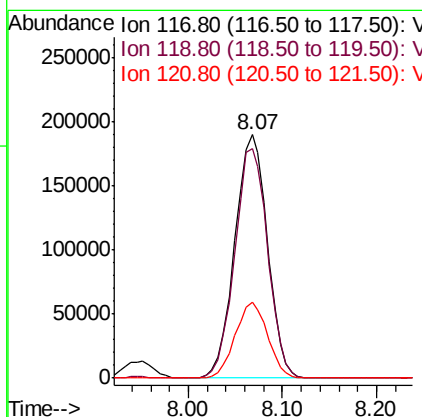
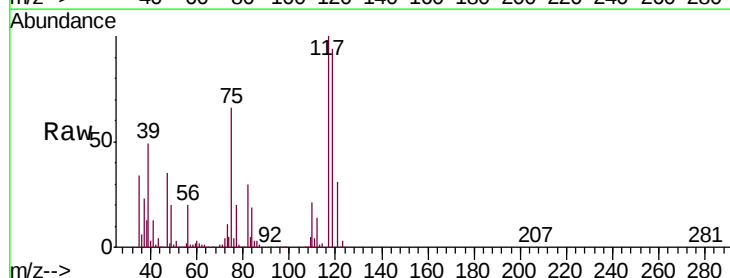
Manual Integrations
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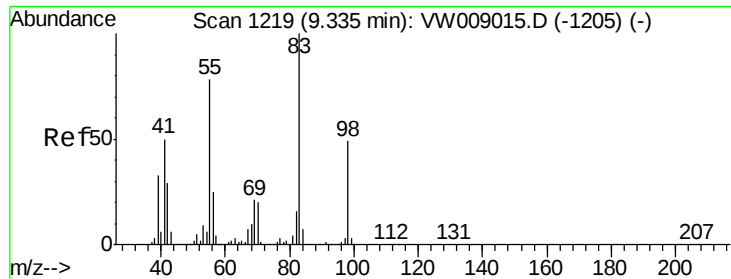
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3/8/2019 12:07:07 AM



#38
Carbon Tetrachloride
Concen: 99.548 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	78.4	117.6
121	31.0	24.7	37.1





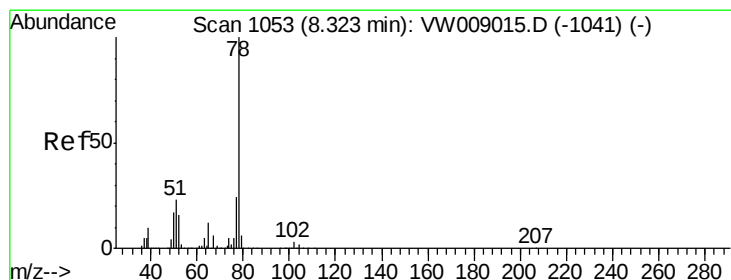
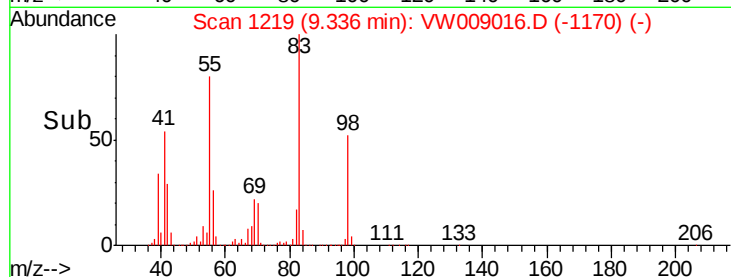
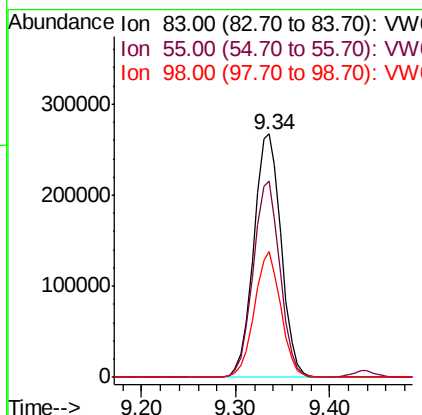
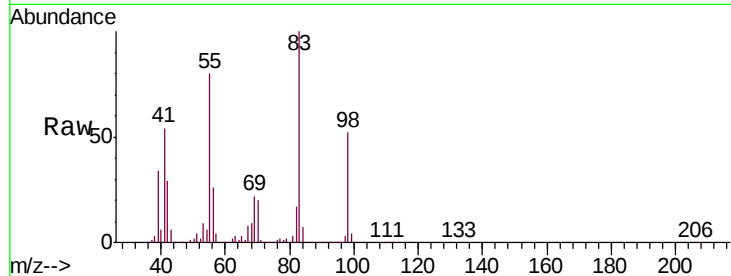
#39
Methylcyclohexane
Concen: 102.071 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.4	62.6	93.8
98	51.6	39.4	59.2

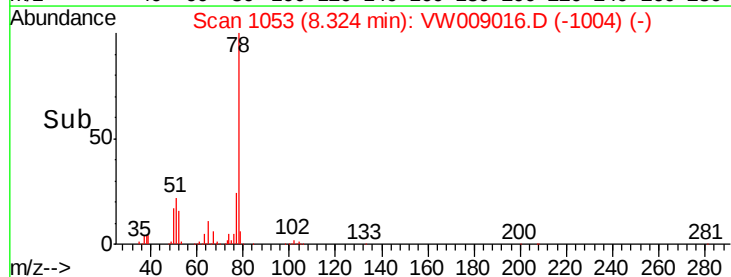
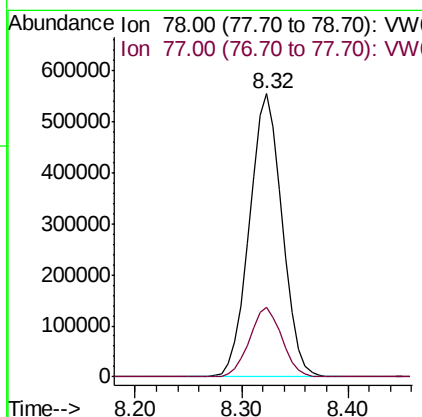
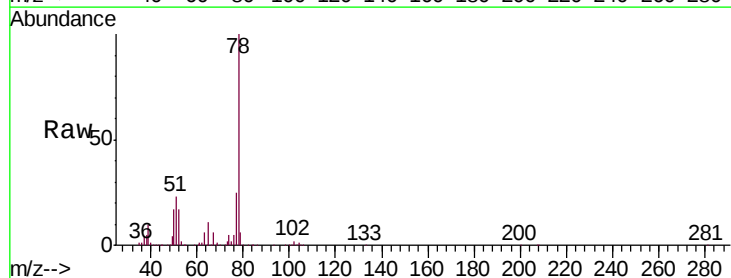
Manual Integrations
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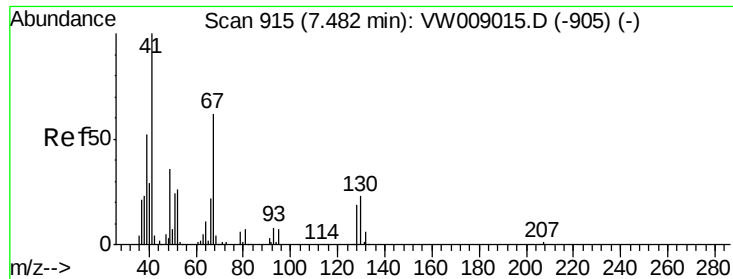
MMDadoda
3/8/2019 12:07:07 AM



#40
Benzene
Concen: 99.968 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.9	28.3





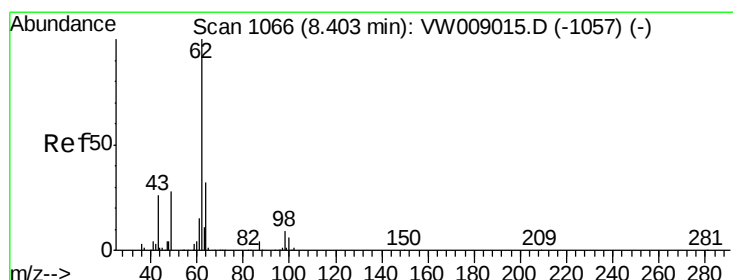
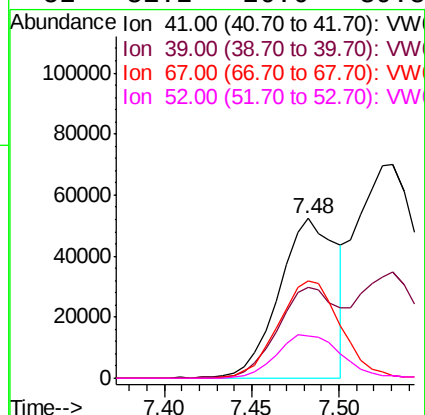
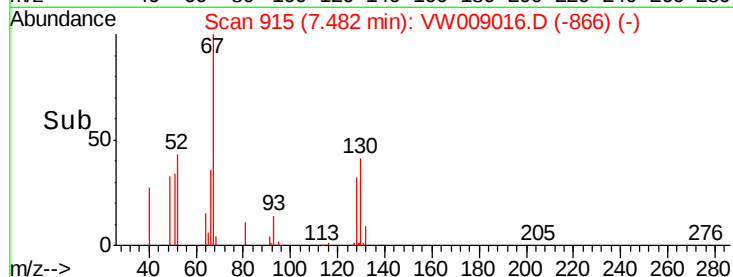
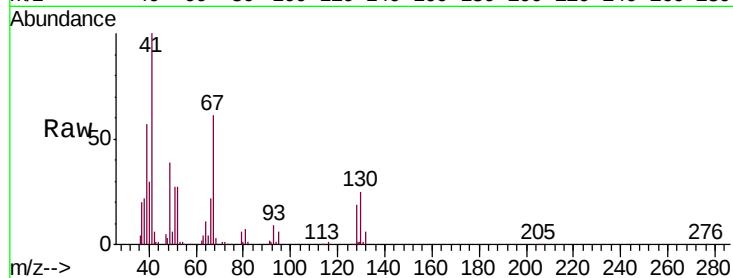
#41
Methacrylonitrile
Concen: 102.962 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.4	50.6	75.8	
67	66.3	59.0	88.6	
52	31.2	26.6	39.8	

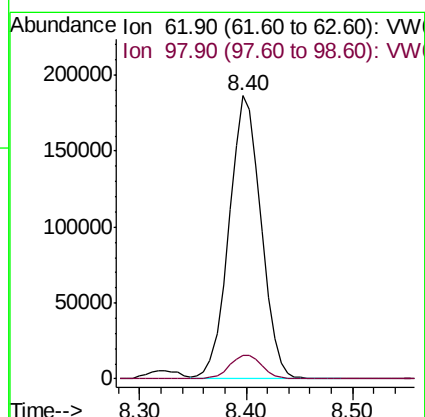
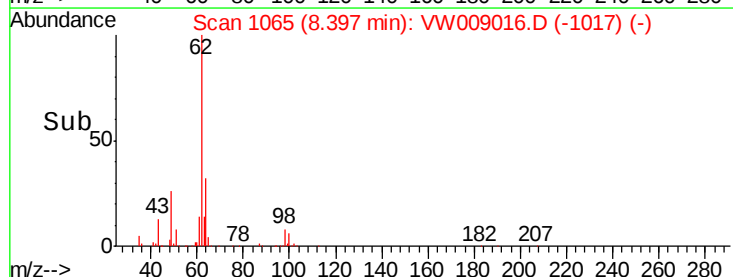
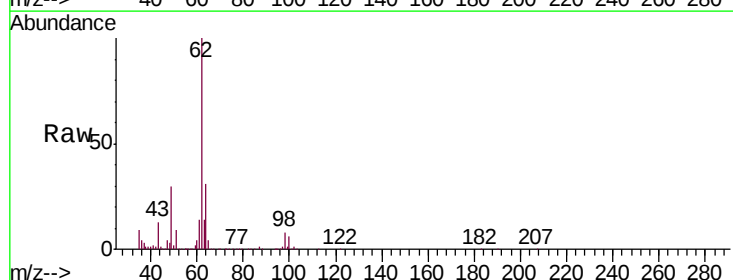
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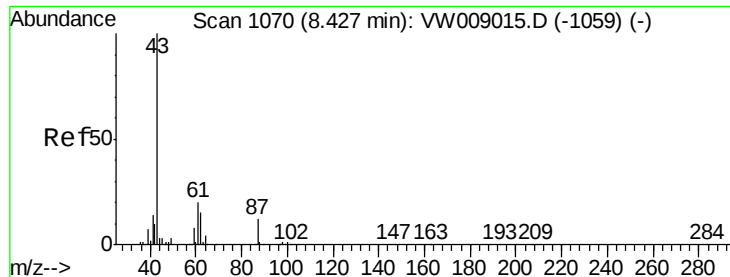
MMDadoda
3/8/2019 12:07:07 AM



#42
1,2-Dichloroethane
Concen: 102.375 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.8	





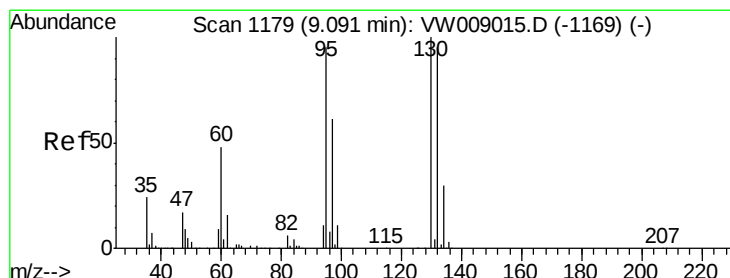
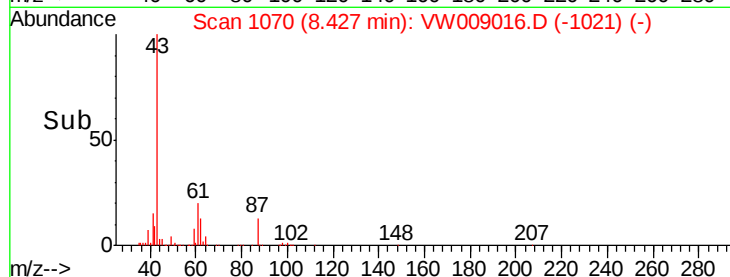
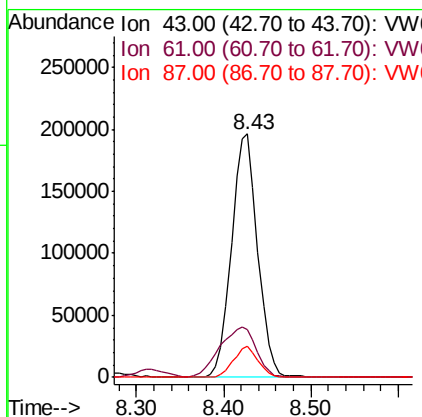
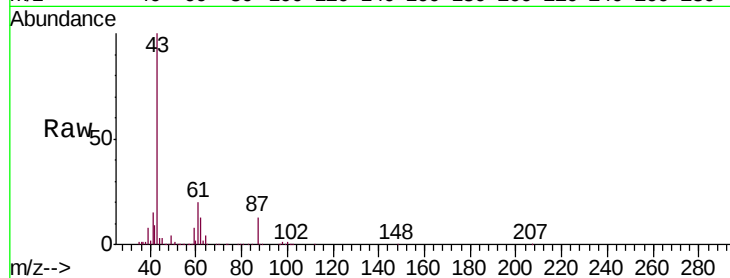
#43
Isopropyl Acetate
Concen: 105.785 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.5	35.3
87	12.0	9.4	14.2

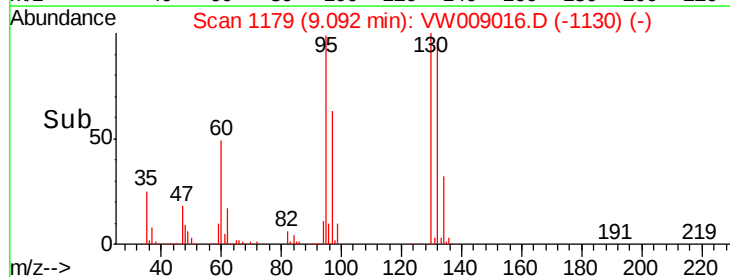
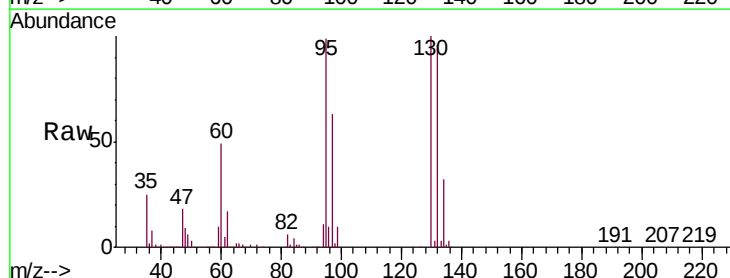
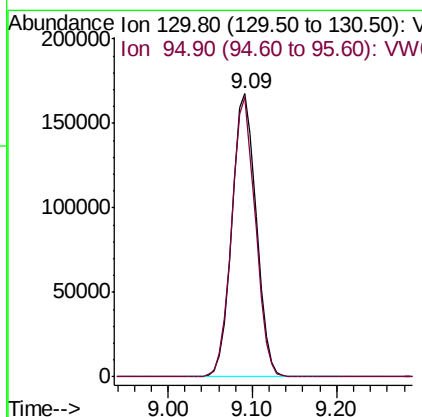
Manual Integrations
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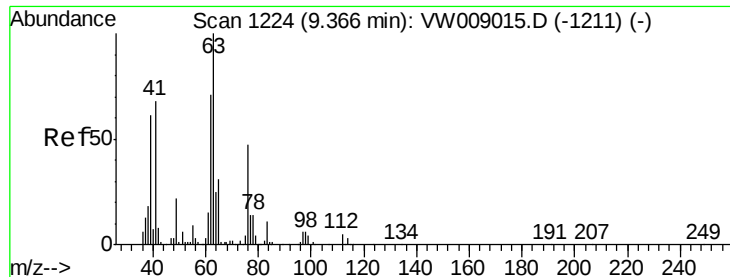
MMDadoda
3/8/2019 12:07:07 AM



#44
Trichloroethene
Concen: 97.615 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	190.0





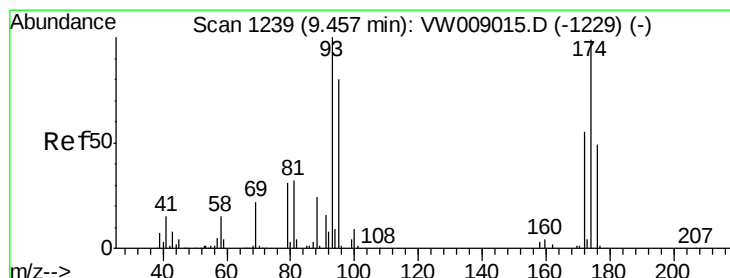
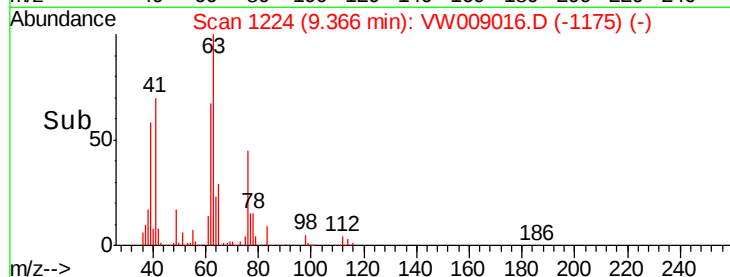
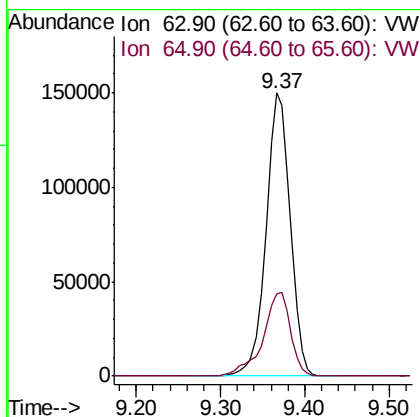
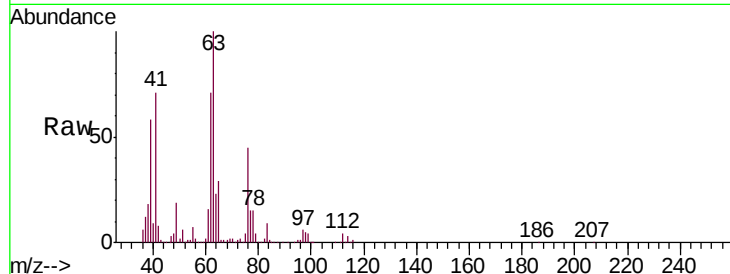
#45
 1,2-Dichloropropane
 Concen: 100.378 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 297358
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.0 37.4

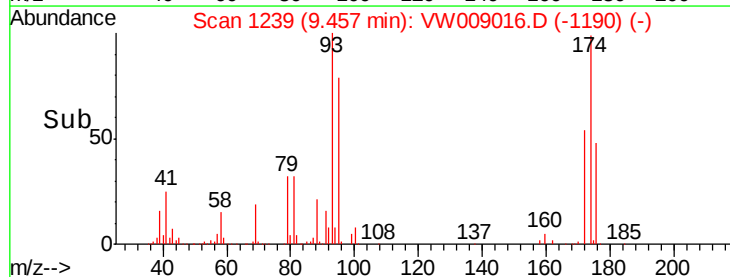
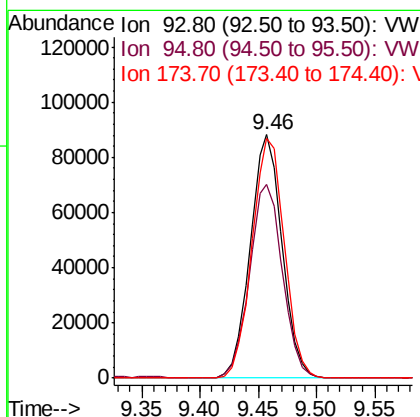
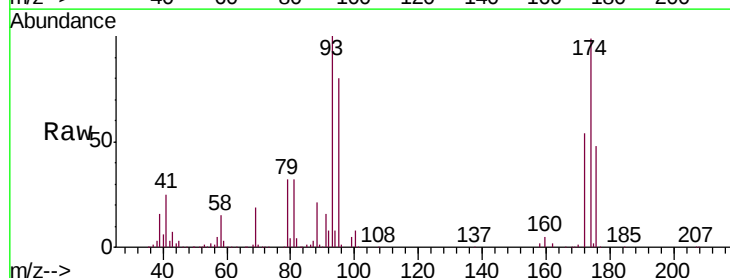
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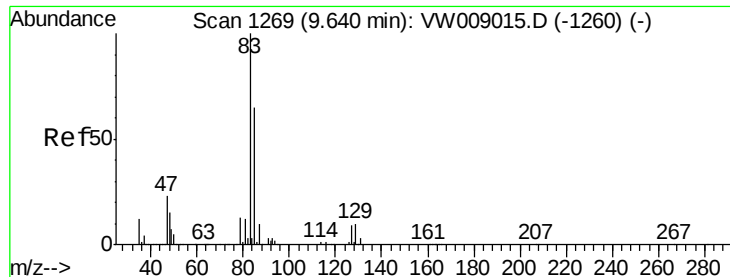
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 3/8/2019 12:07:07 AM



#46
 Dibromomethane
 Concen: 102.786 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Tgt Ion: 93 Resp: 167982
 Ion Ratio Lower Upper
 93 100
 95 82.3 64.1 96.1
 174 100.5 81.3 121.9





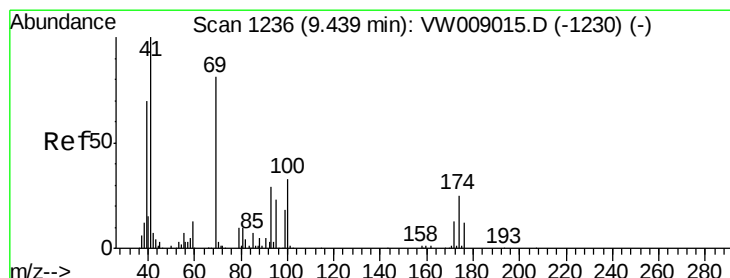
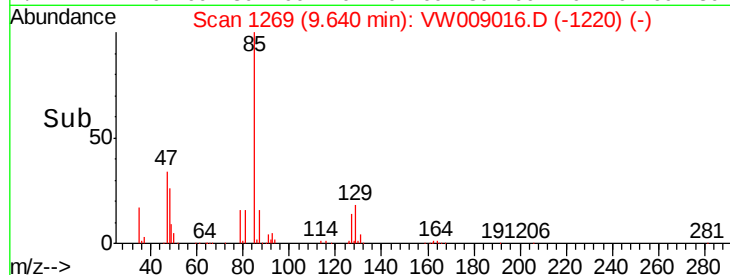
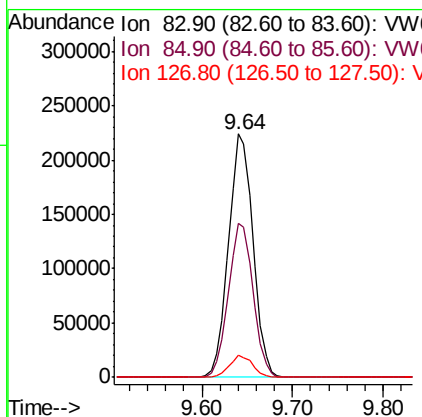
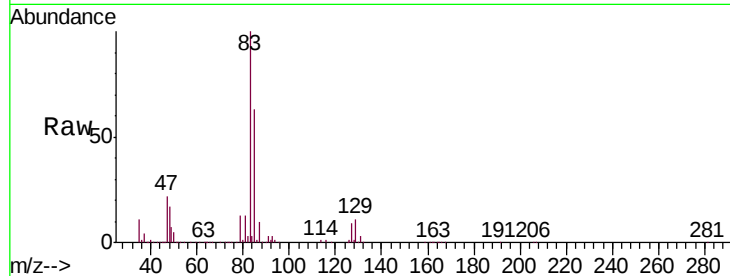
#47
Bromodichloromethane
Concen: 102.431 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	419658		
85	63.4	51.9	77.9	
127	9.0	7.0	10.6	

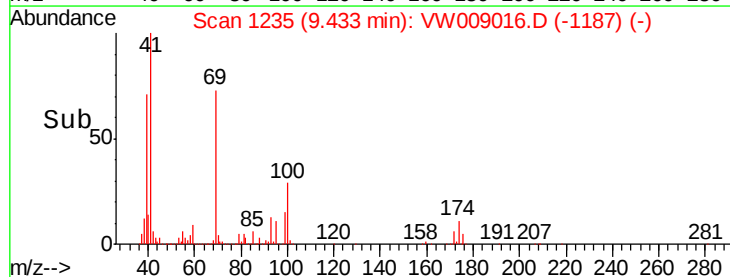
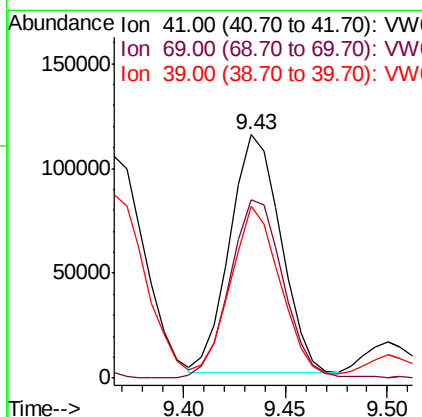
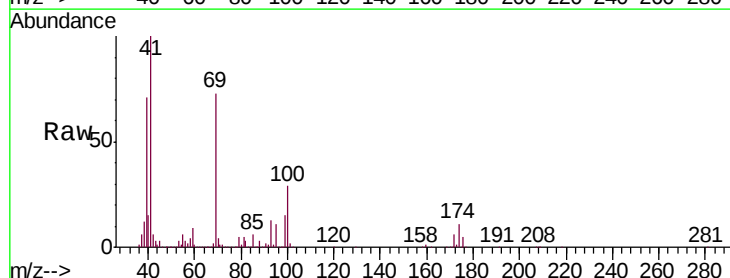
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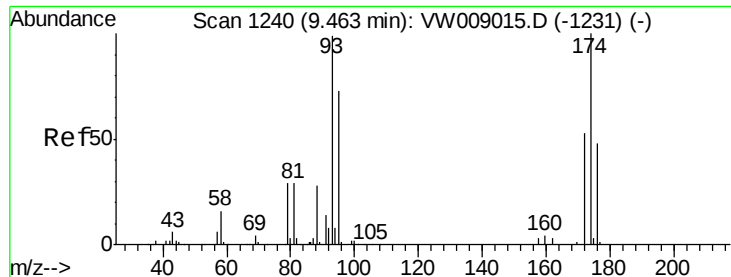
MMDadoda
3/8/2019 12:07:07 AM



#48
Methyl methacrylate
Concen: 107.976 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	196539		
69	79.4	61.8	92.6	
39	67.5	50.5	75.7	





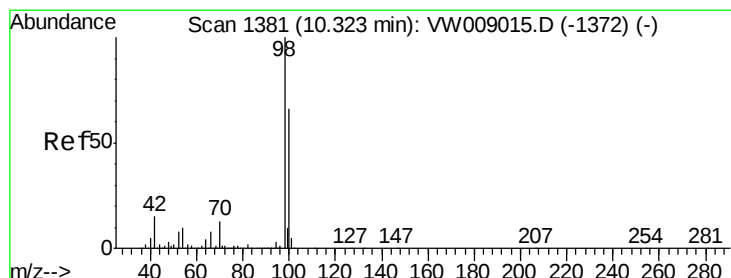
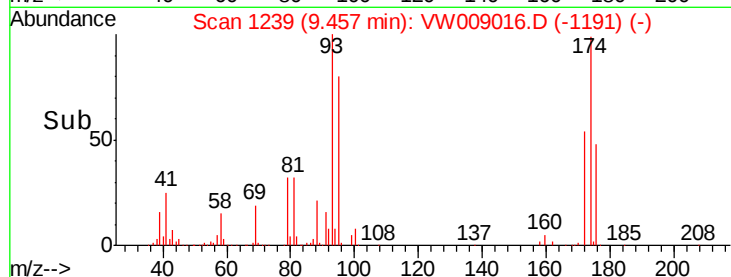
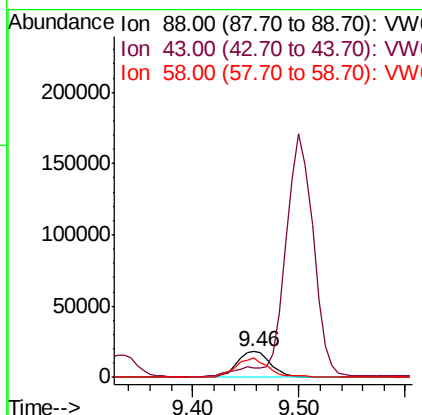
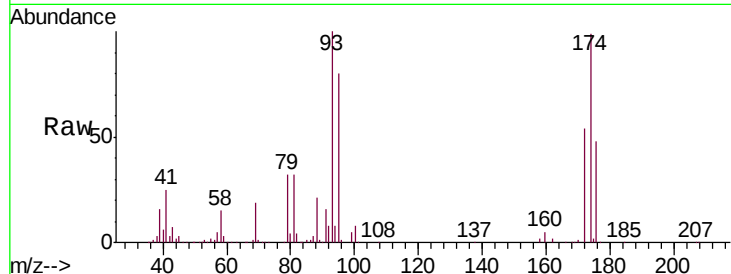
#49
1,4-Dioxane
Concen: 1804.859 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 88 Resp: 40323
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 75.0 55.0 82.6

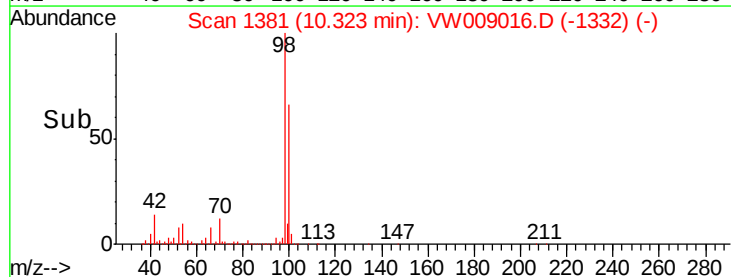
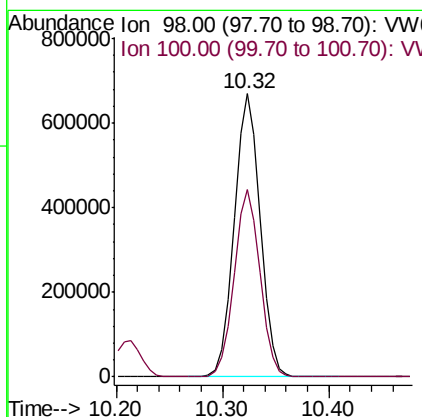
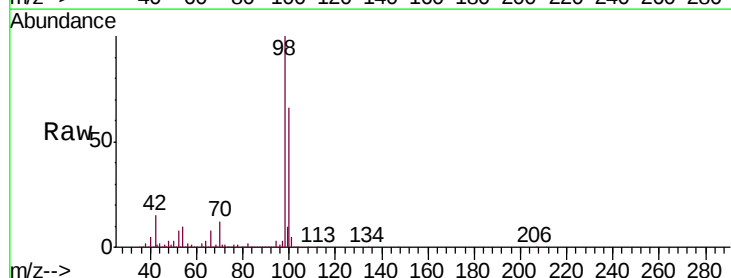
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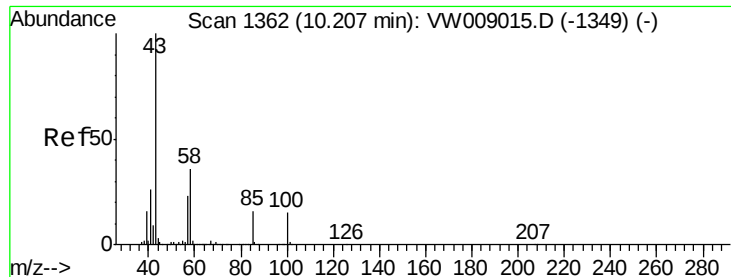
MMDadoda
3/8/2019 12:07:07 AM



#50
Toluene-d8
Concen: 103.795 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion: 98 Resp: 1144049
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 535.903 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 1043921

Ion Ratio Lower Upper

43 100

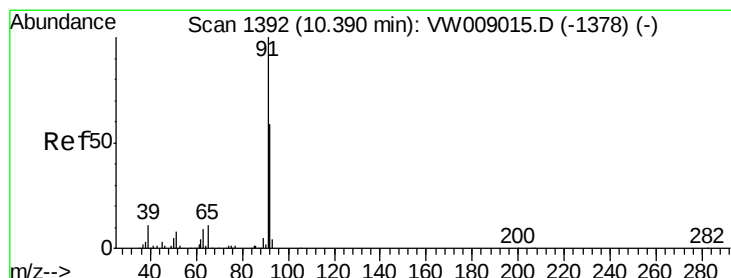
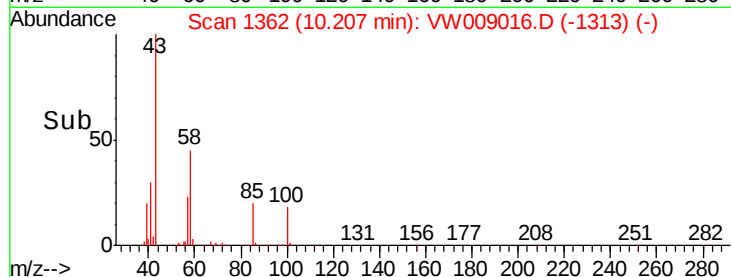
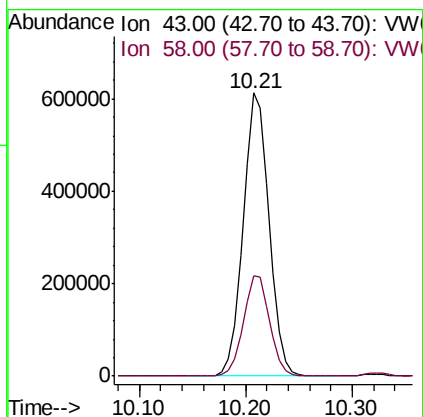
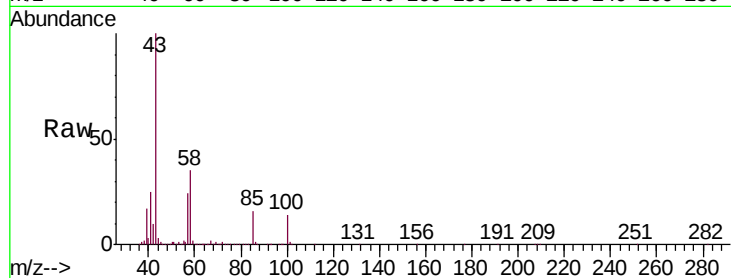
58 35.9 29.0 43.4

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#52

Toluene

Concen: 102.562 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009016.D

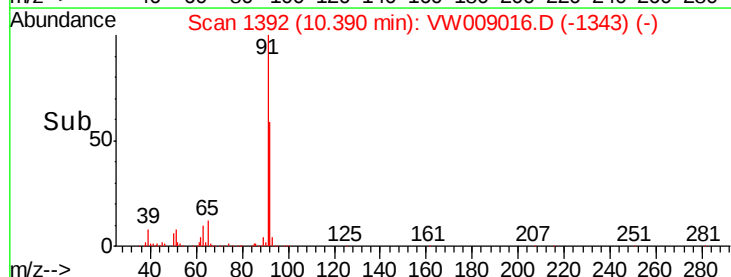
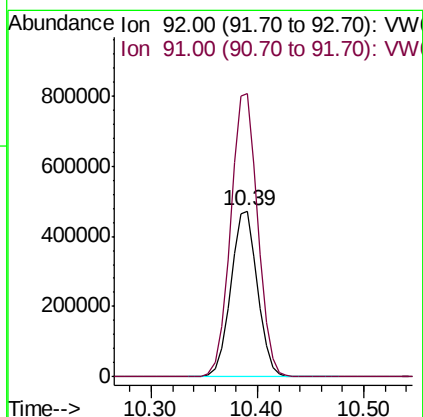
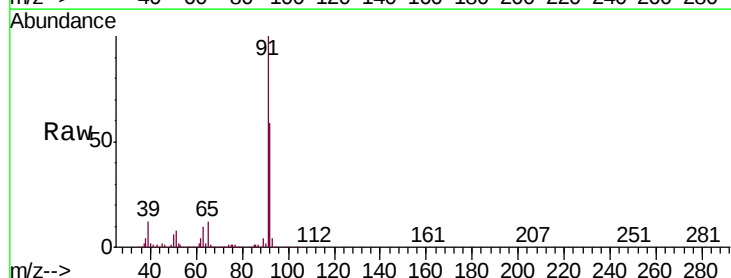
Acq: 06 Mar 2019 12:34

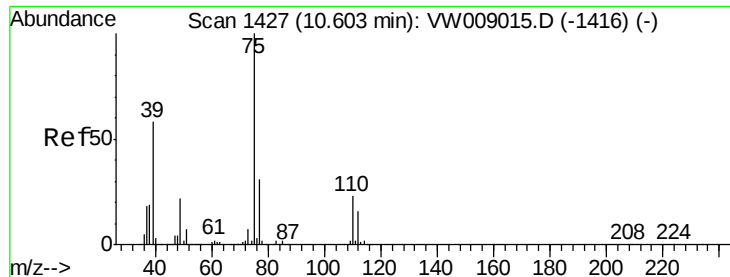
Tgt Ion: 92 Resp: 827355

Ion Ratio Lower Upper

92 100

91 173.3 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 107.575 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 75 Resp: 437194

Ion Ratio Lower Upper

75 100

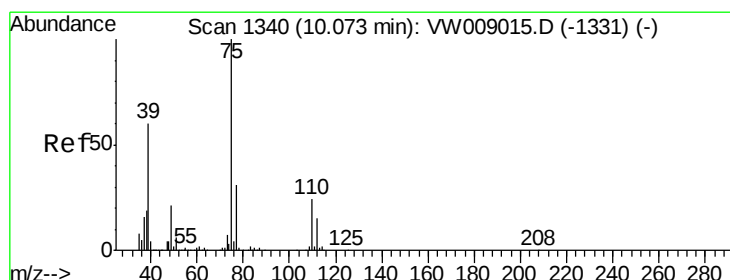
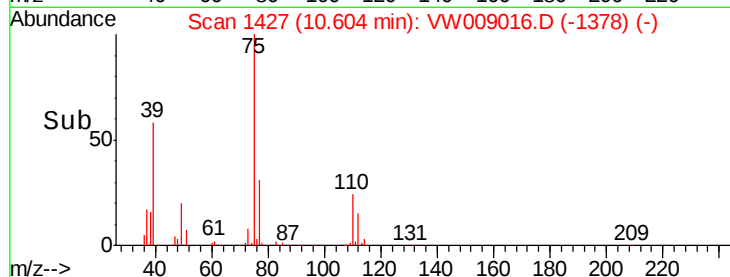
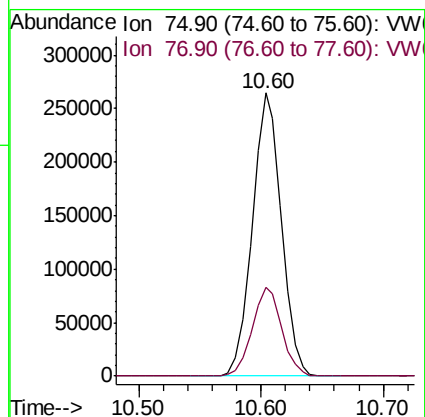
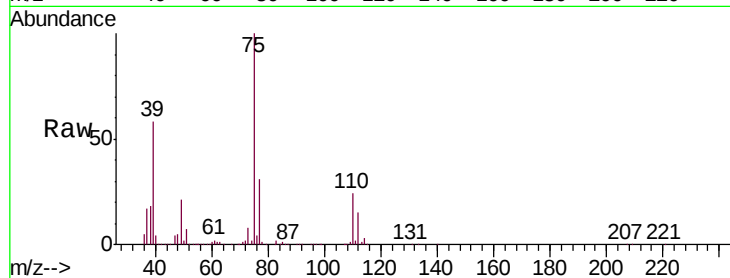
77 31.3 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 105.248 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

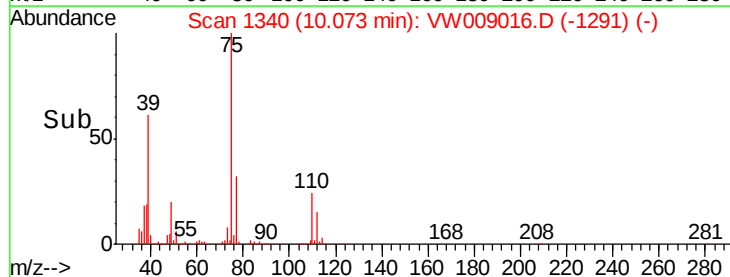
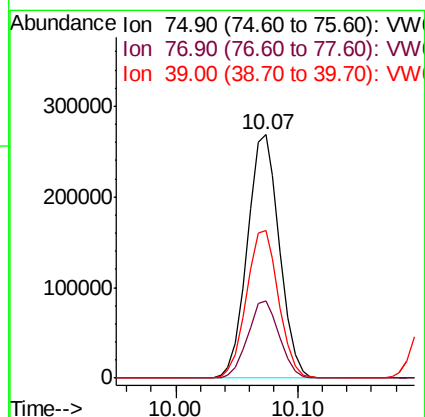
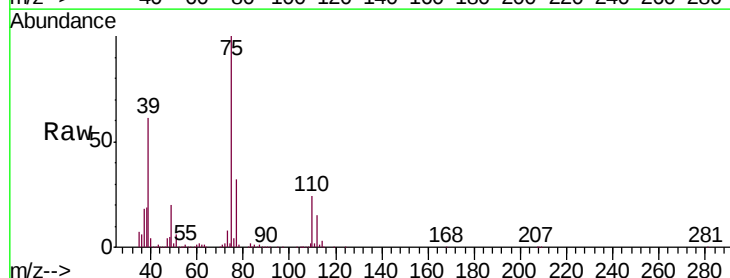
Tgt Ion: 75 Resp: 488300

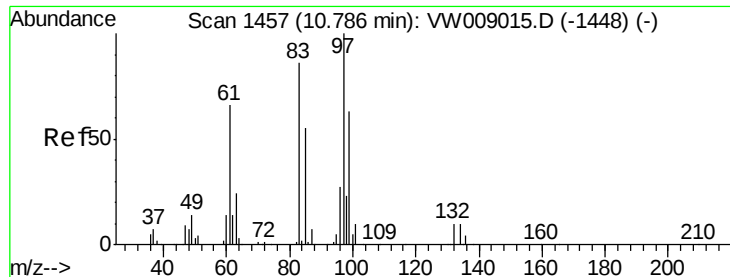
Ion Ratio Lower Upper

75 100

77 31.7 25.0 37.4

39 60.5 48.2 72.2





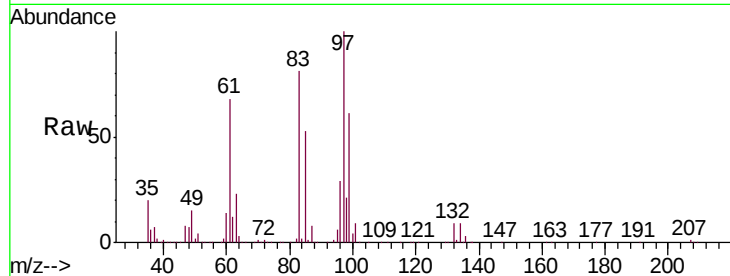
#55
1,1,2-Trichloroethane
Concen: 100.458 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
97	100		
83	81.0	68.8	103.2
85	53.1	43.7	65.5
99	60.9	50.1	75.1

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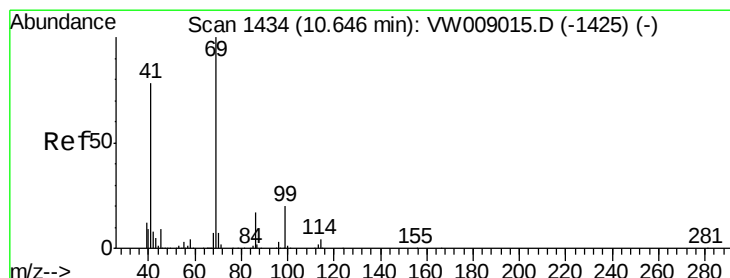
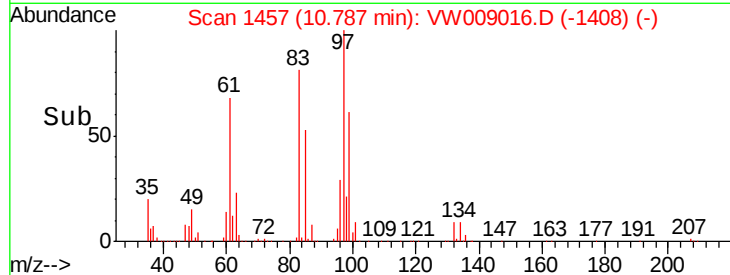
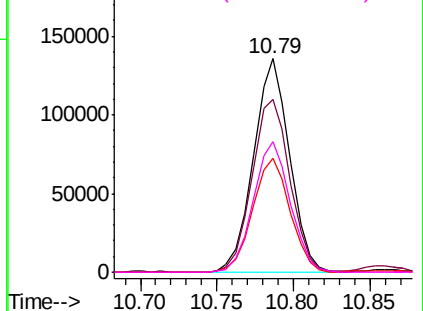
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
Ethyl methacrylate
Concen: 111.667 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

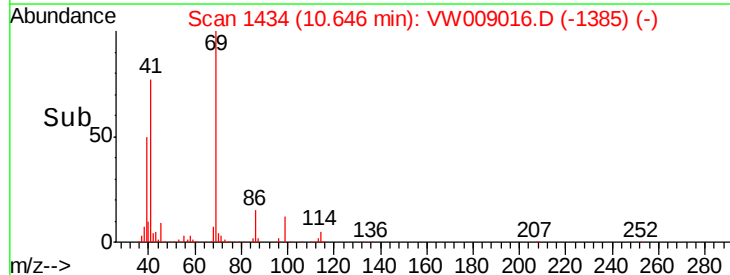
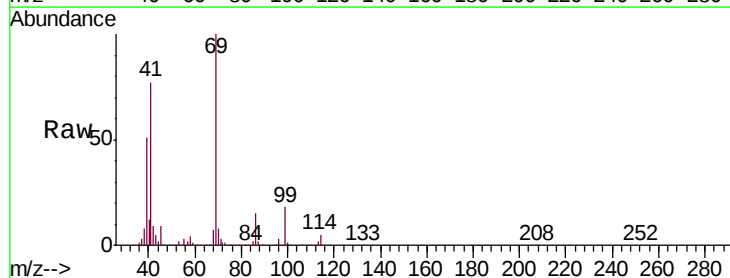
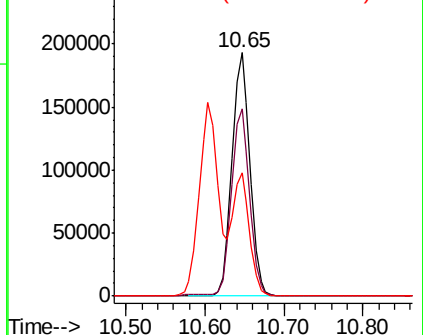
Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.0	58.9	88.3
39	46.1	37.6	56.4

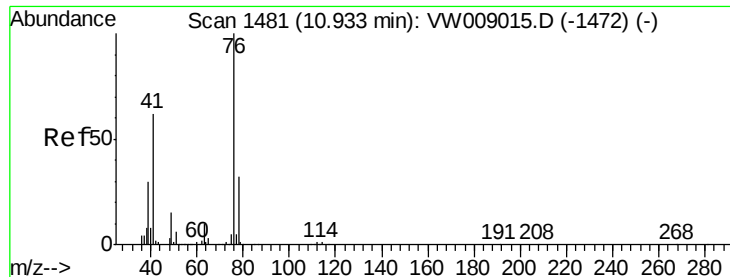
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





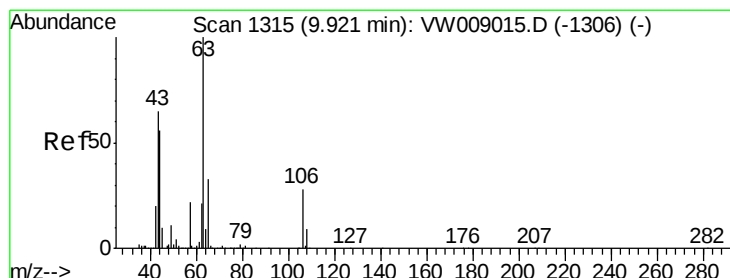
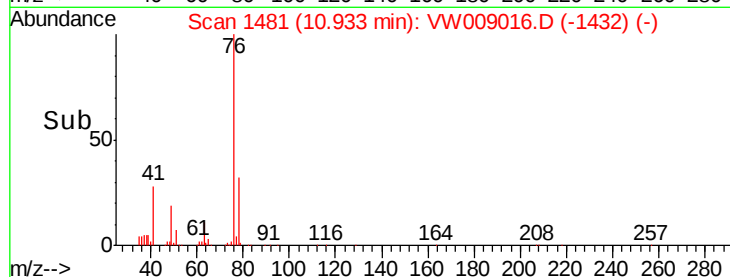
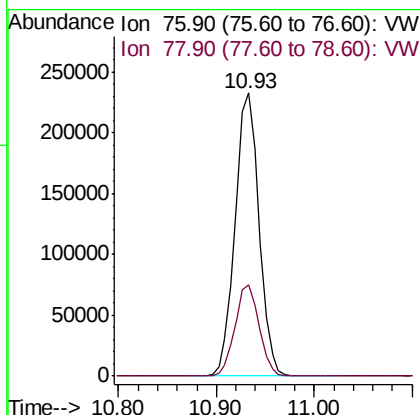
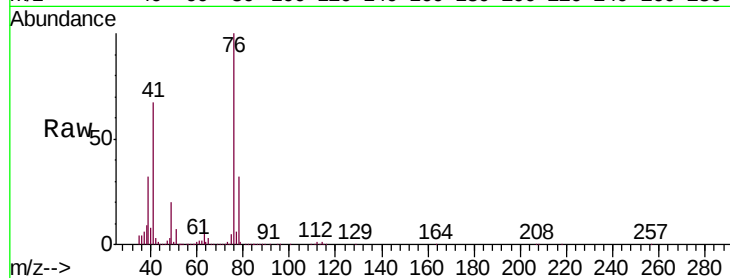
#57
 1,3-Dichloropropane
 Concen: 101.427 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion: 76 Resp: 395912
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4

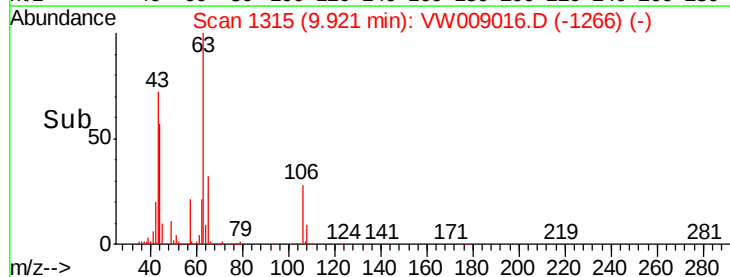
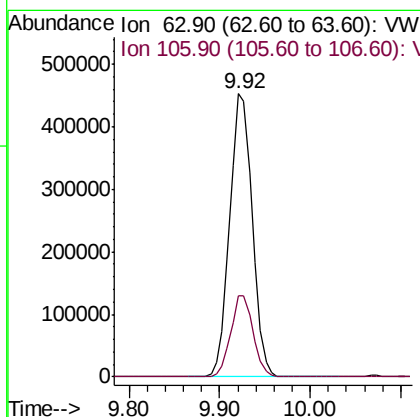
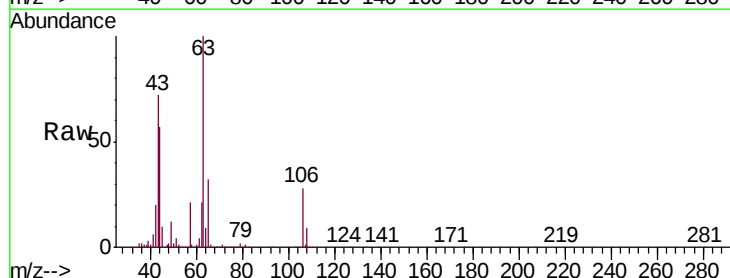
Manual Integrations
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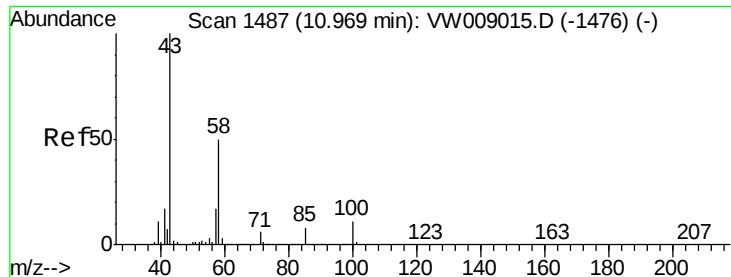
MMDadoda
 3/8/2019 12:07:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 536.449 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Tgt Ion: 63 Resp: 781576
 Ion Ratio Lower Upper
 63 100
 106 28.5 23.0 34.6





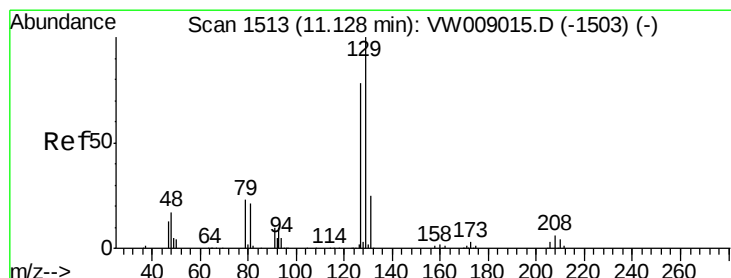
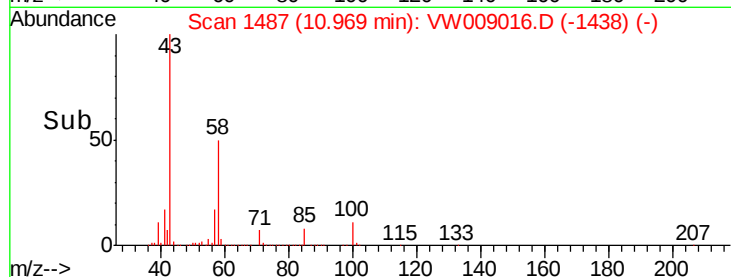
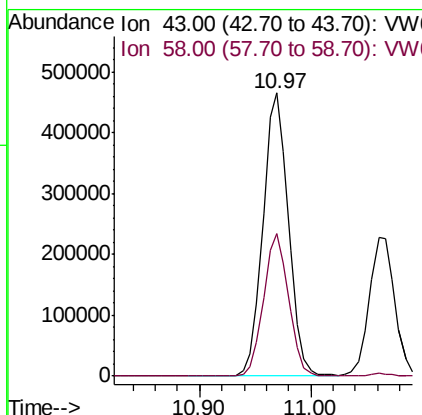
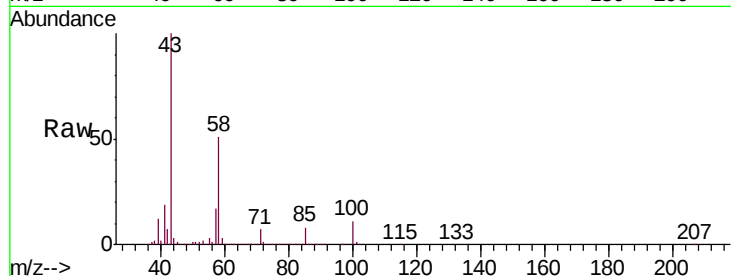
#59
2-Hexanone
Concen: 543.000 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

Tgt Ion: 43 Resp: 743597
Ion Ratio Lower Upper
43 100
58 49.8 25.3 75.8

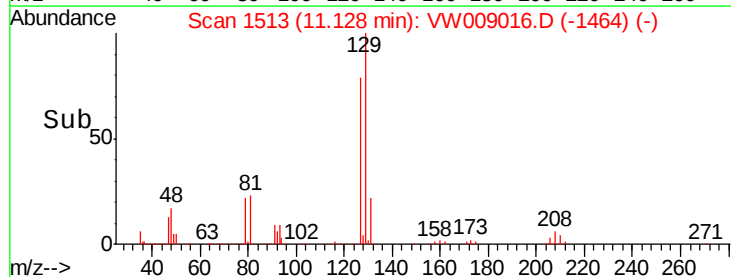
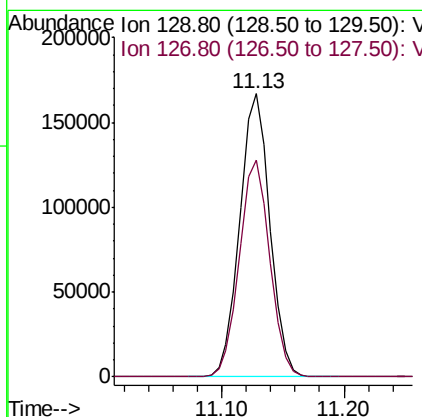
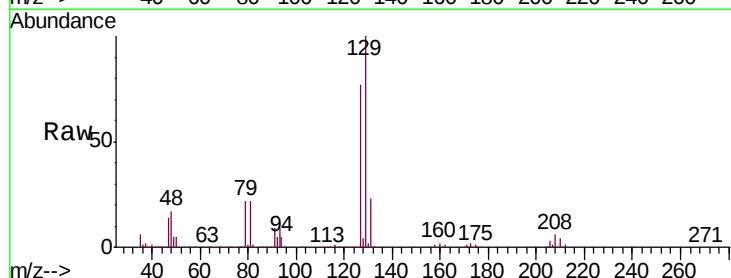
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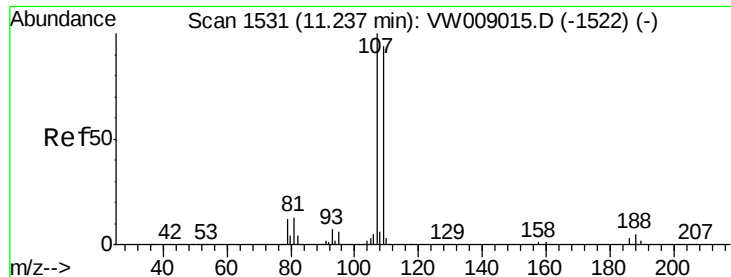
MMDadoda
3/8/2019 12:07:07 AM



#60
Dibromochloromethane
Concen: 105.842 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion: 129 Resp: 285361
Ion Ratio Lower Upper
129 100
127 77.3 39.0 116.9





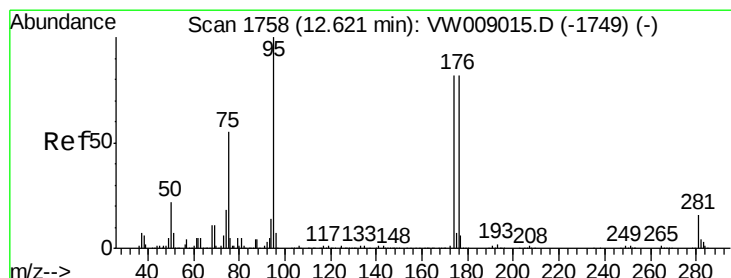
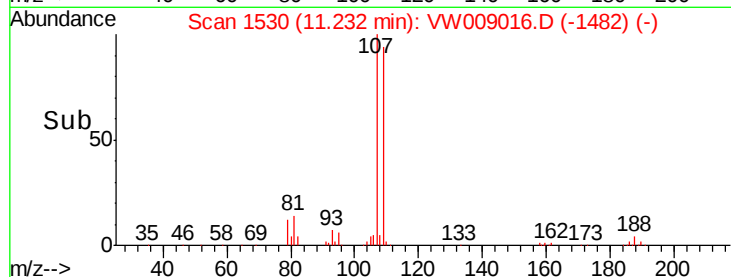
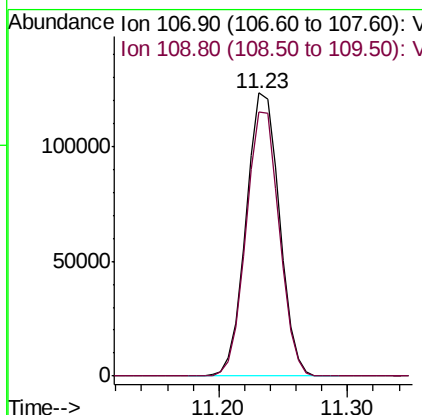
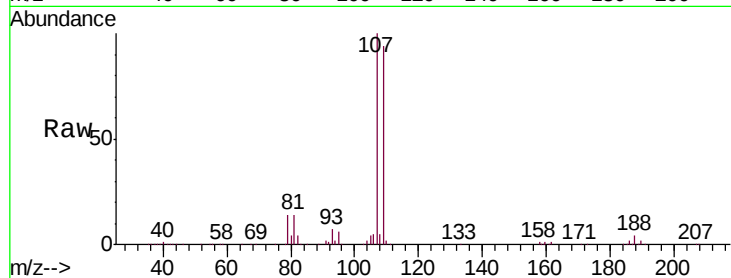
#61
 1,2-Dibromoethane
 Concen: 104.509 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.7	113.5

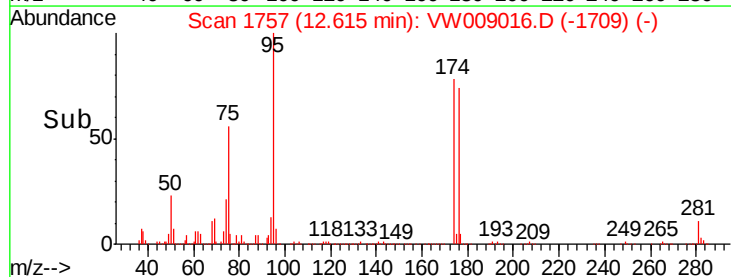
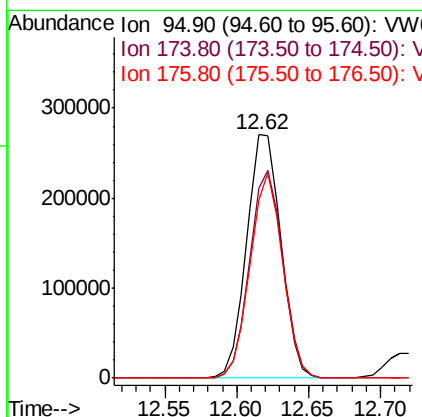
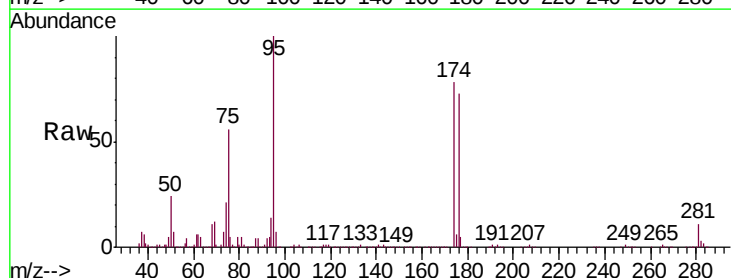
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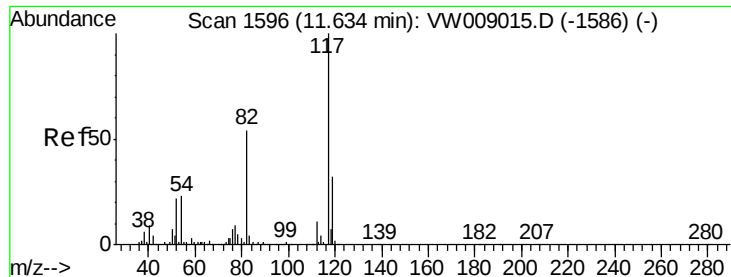
MMDadoda
 3/8/2019 12:07:07 AM



#62
 4-Bromofluorobenzene
 Concen: 104.628 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	165.8
176	79.6	0.0	159.8





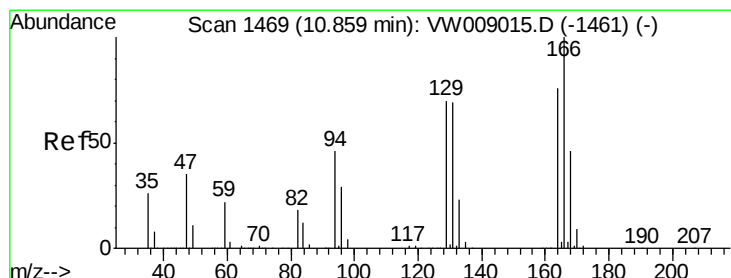
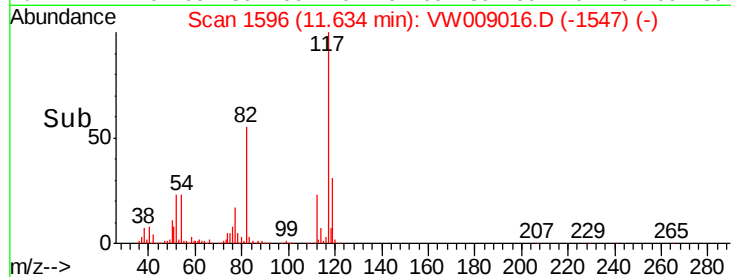
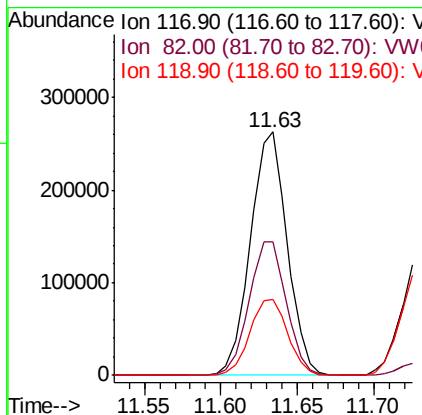
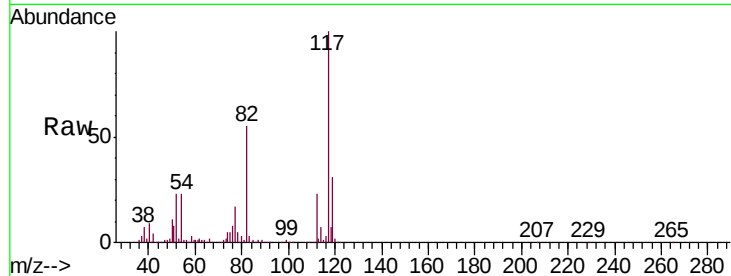
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	439605		
82	54.9	43.4	65.2	
119	31.2	25.8	38.8	

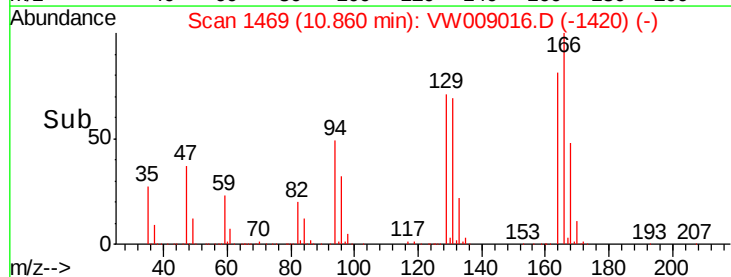
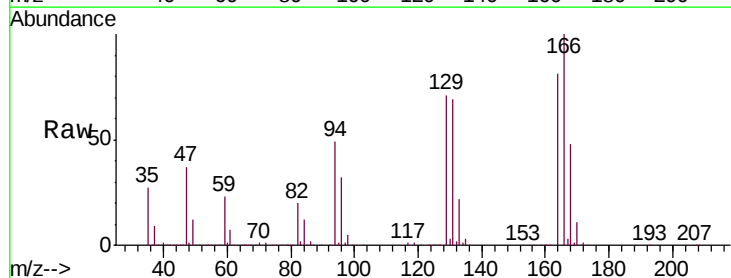
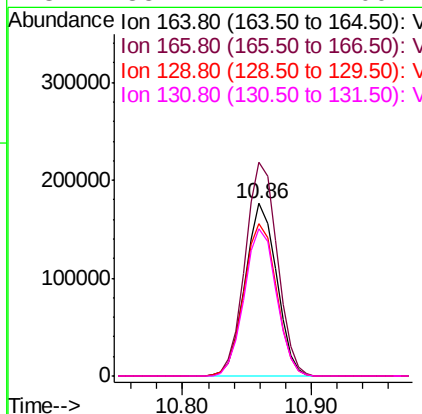
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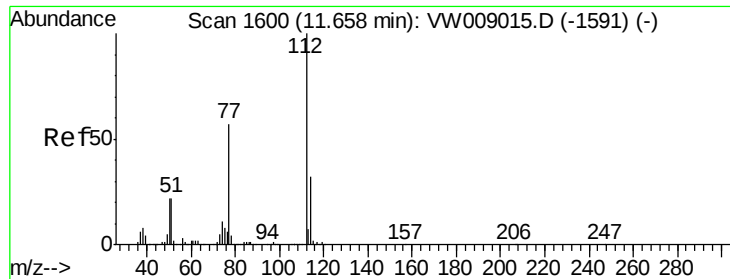
MMDadoda
3/8/2019 12:07:07 AM



#64
Tetrachloroethene
Concen: 98.056 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	297630		
166	123.8	104.6	157.0	
129	88.5	73.4	110.2	
131	85.4	72.7	109.1	





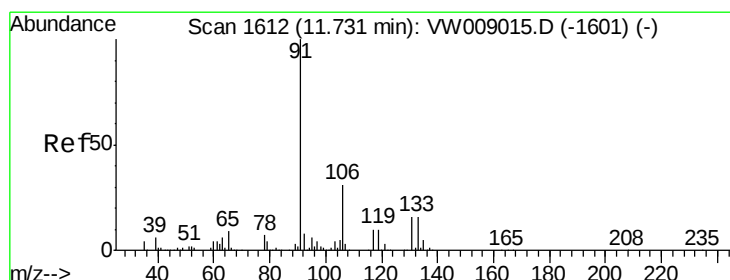
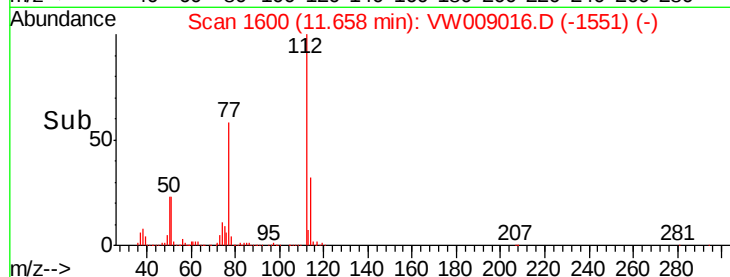
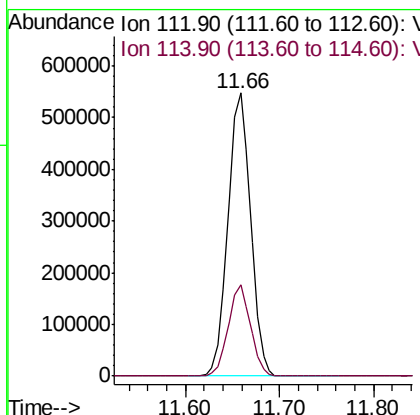
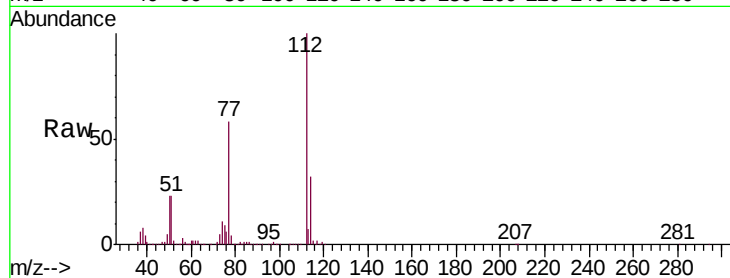
#65
Chlorobenzene
Concen: 100.263 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:112 Resp: 914863
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3

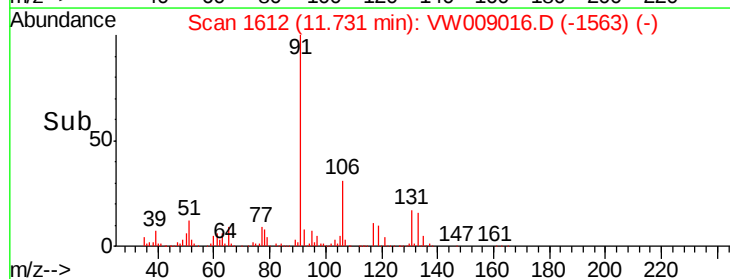
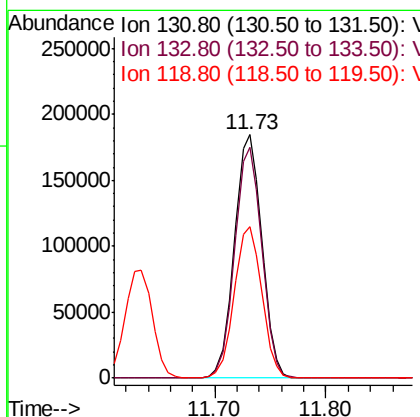
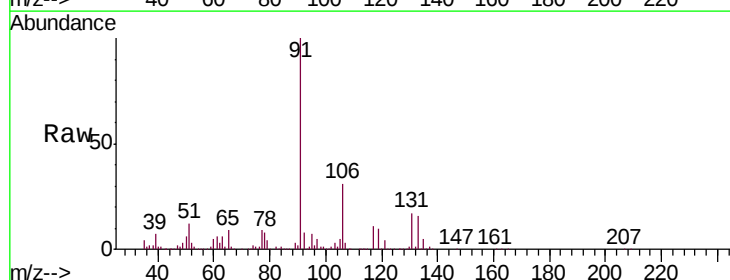
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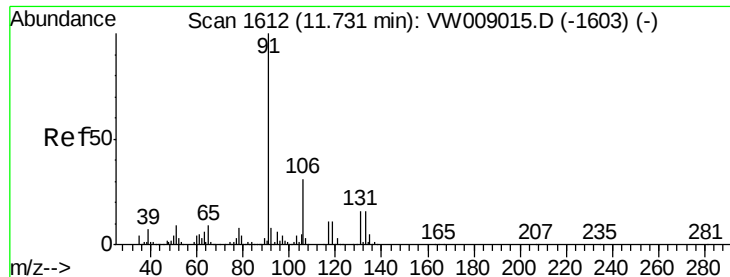
MMDadoda
3/8/2019 12:07:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 102.428 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion:131 Resp: 313876
Ion Ratio Lower Upper
131 100
133 94.0 48.1 144.3
119 62.4 31.1 93.5





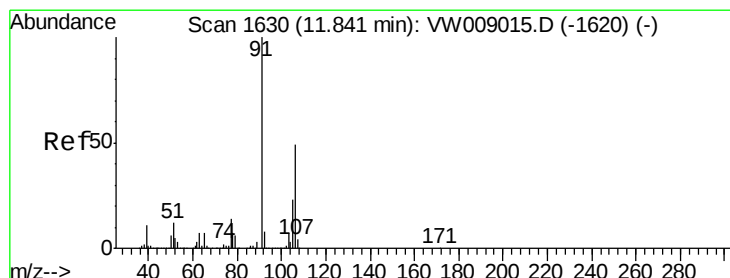
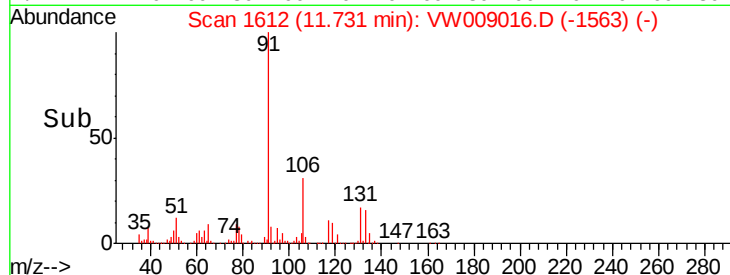
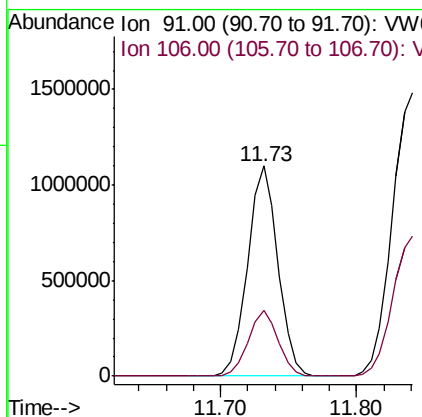
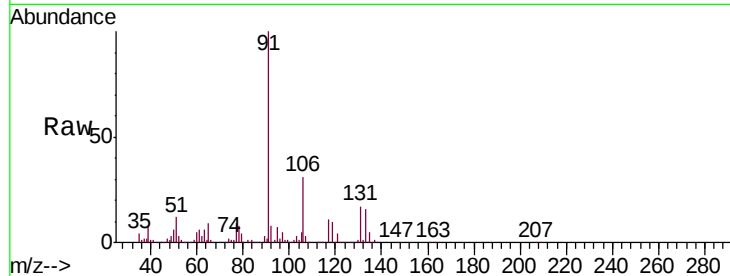
#67
Ethyl Benzene
Concen: 103.475 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1711888
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

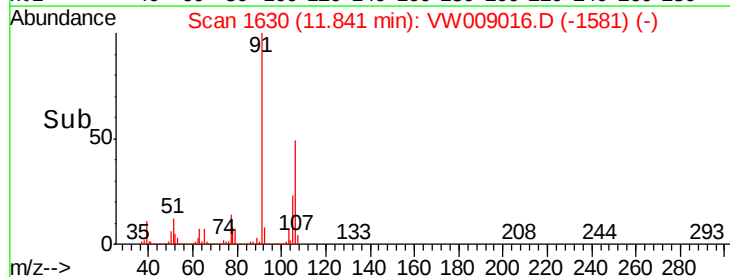
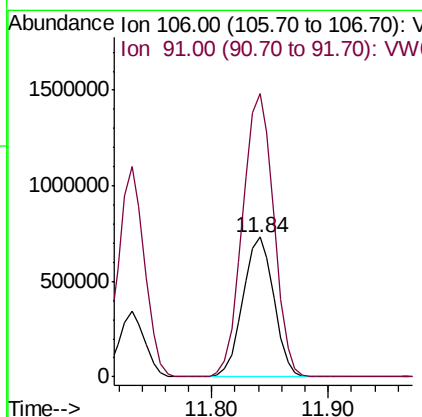
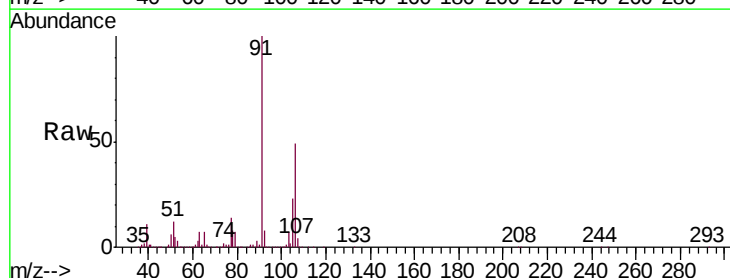
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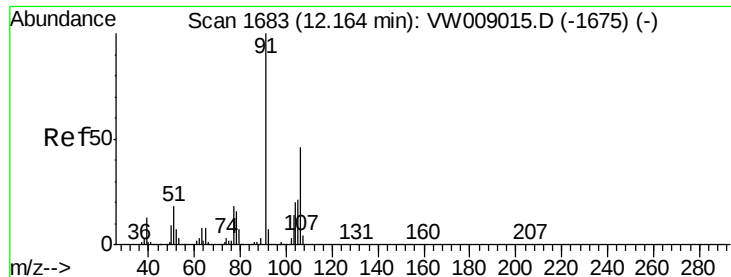
MMDadoda
3/8/2019 12:07:07 AM



#68
m/p-Xylenes
Concen: 208.110 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion: 106 Resp: 1358538
Ion Ratio Lower Upper
106 100
91 204.2 162.9 244.3





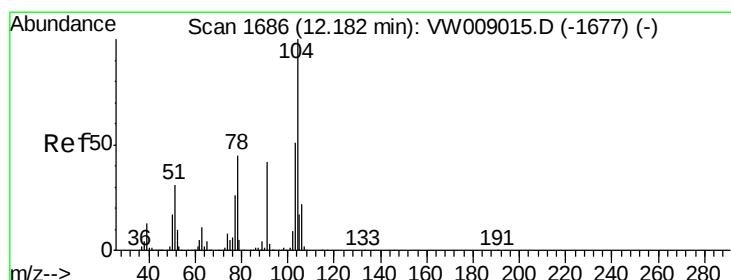
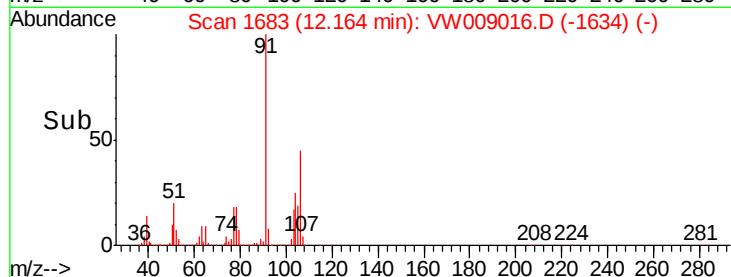
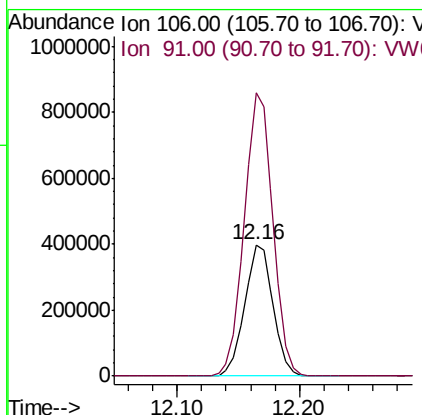
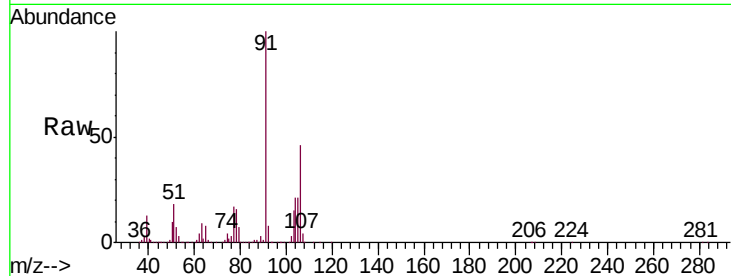
#69
o-Xylene
Concen: 104.797 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 638632
Ion Ratio Lower Upper
106 100
91 218.2 107.4 322.2

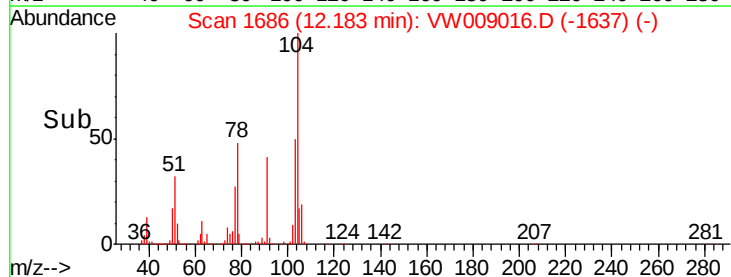
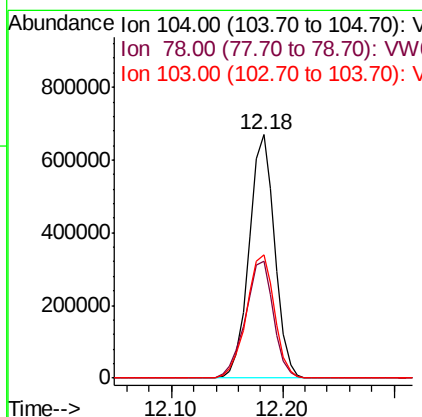
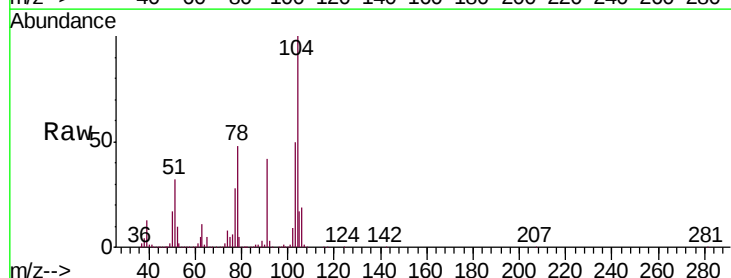
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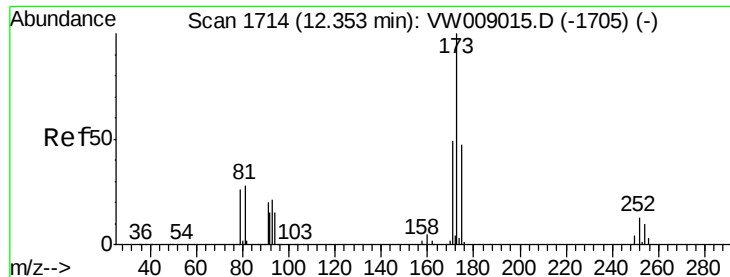
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#70
Styrene
Concen: 108.072 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion:104 Resp: 1066896
Ion Ratio Lower Upper
104 100
78 52.9 41.9 62.9
103 55.5 44.9 67.3





#71

Bromoform

Concen: 106.795 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tgt Ion:173 Resp: 174368

Ion Ratio Lower Upper

173 100

175 48.6 23.3 69.9

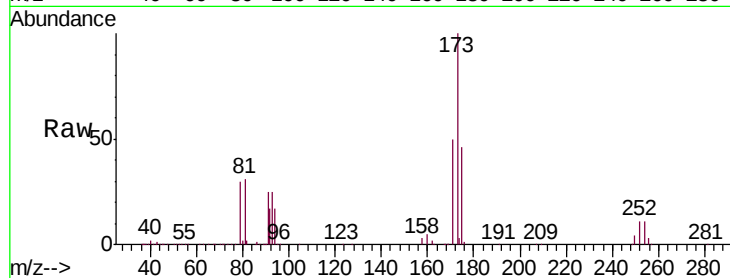
254 0.1 0.1 0.1

Manual Integrations

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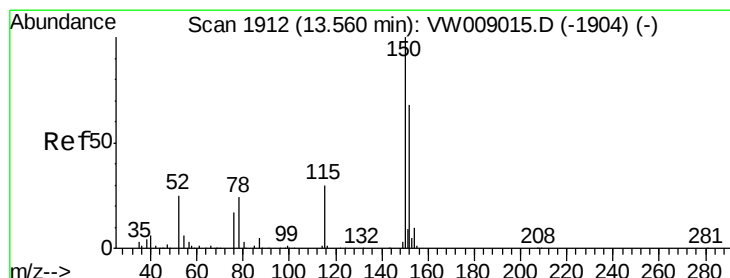
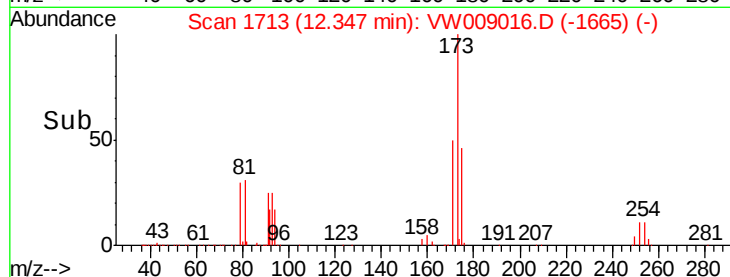
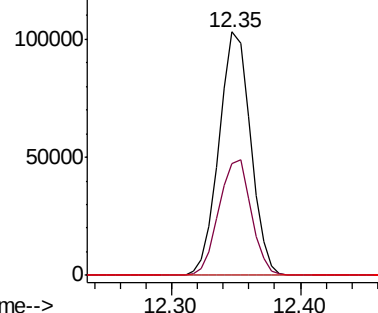
3/8/2019 12:07:07 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

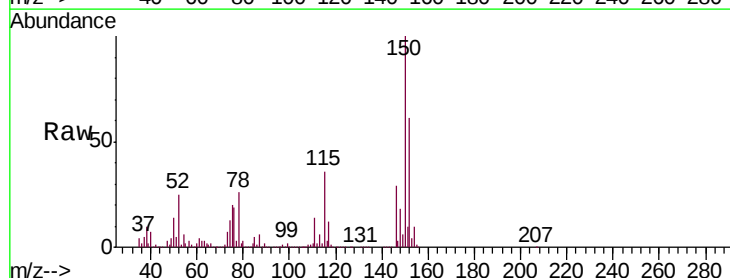
Tgt Ion:152 Resp: 245884

Ion Ratio Lower Upper

152 100

115 59.8 29.3 87.8

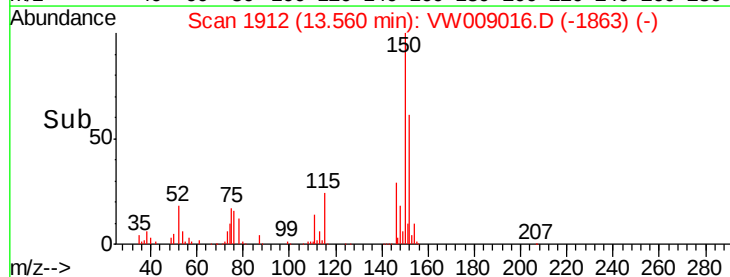
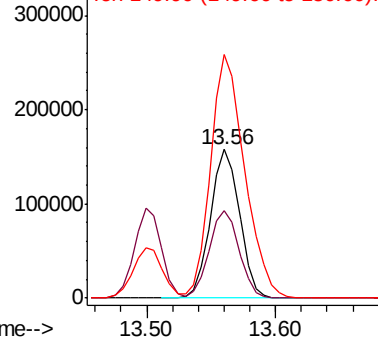
150 191.8 0.0 348.6

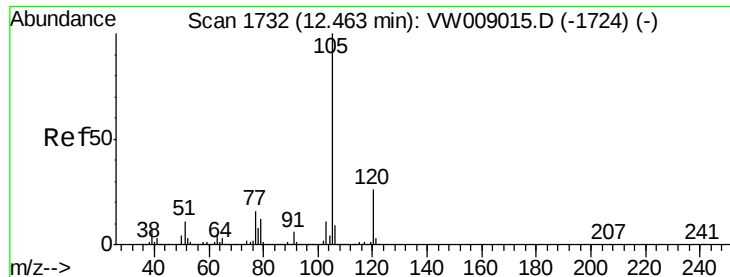


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 105.824 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 105 Resp: 1781056

Ion Ratio Lower Upper

105 100

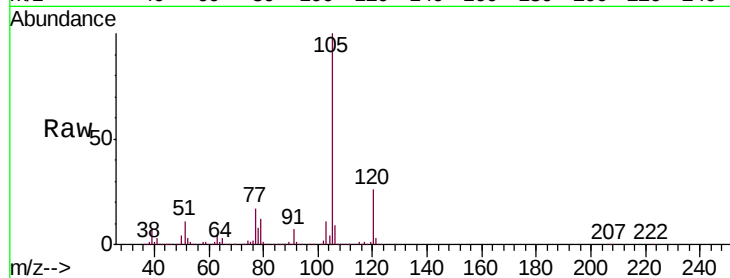
120 26.3 13.2 39.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

400000

200000

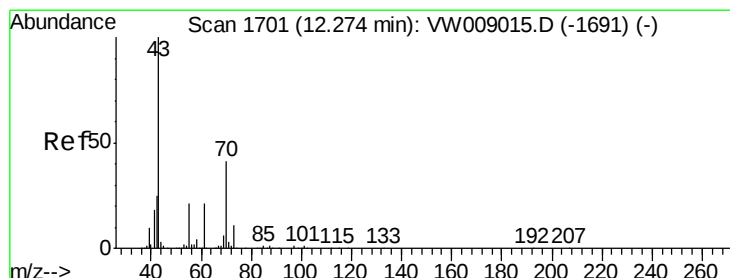
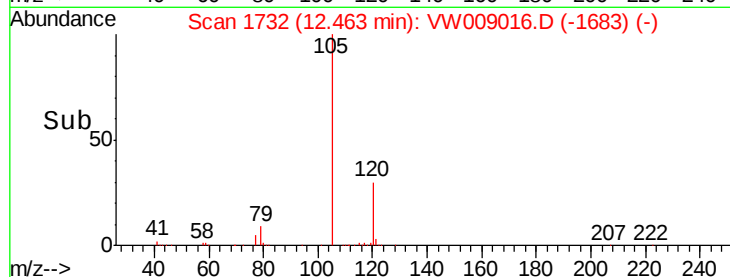
0

12.40

12.46

12.50

Time-->



#74

N-ethyl acetate

Concen: 113.152 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Tgt Ion: 43 Resp: 453389

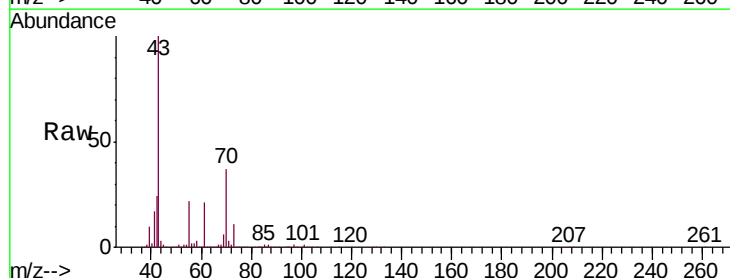
Ion Ratio Lower Upper

43 100

70 37.7 31.2 46.8

55 22.0 18.0 27.0

61 21.6 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

500000

400000

300000

200000

100000

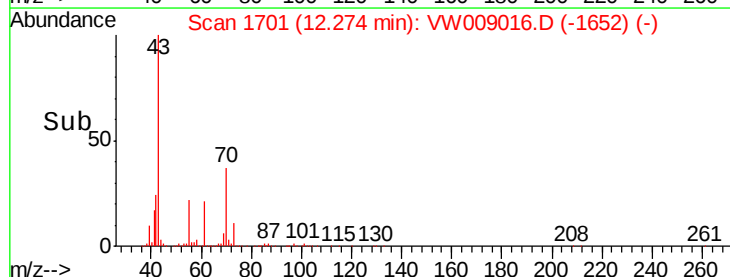
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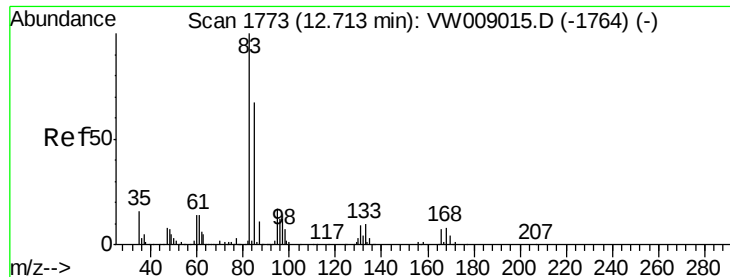
12.20

12.27

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 102.933 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 270212

Ion Ratio Lower Upper

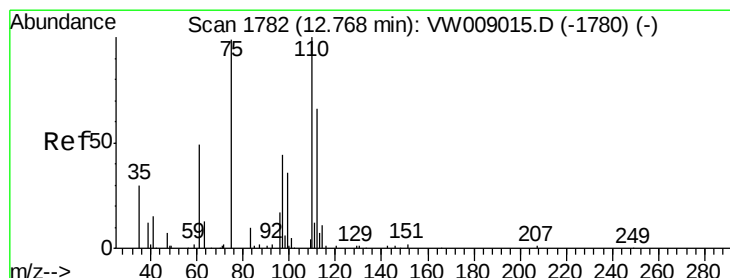
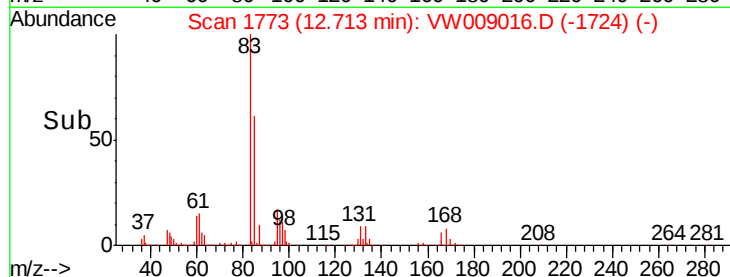
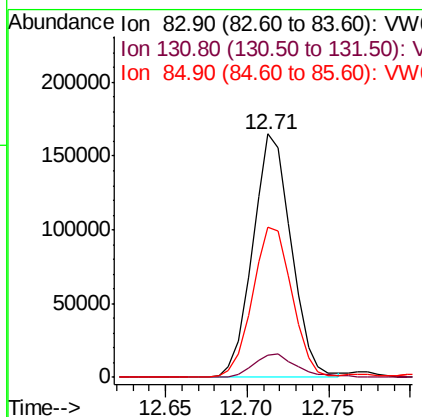
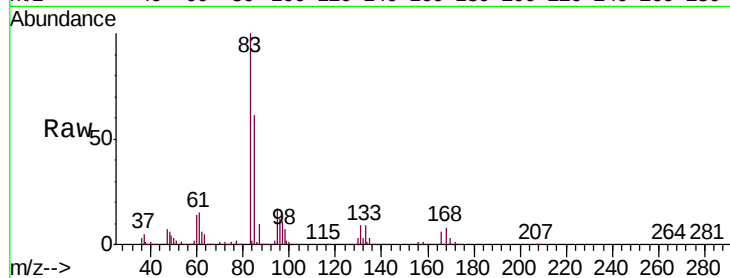
83 100

131 10.7 5.5 16.7

85 63.2 32.8 98.3

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



#76

1,2,3-Trichloropropane

Concen: 73.458 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009016.D

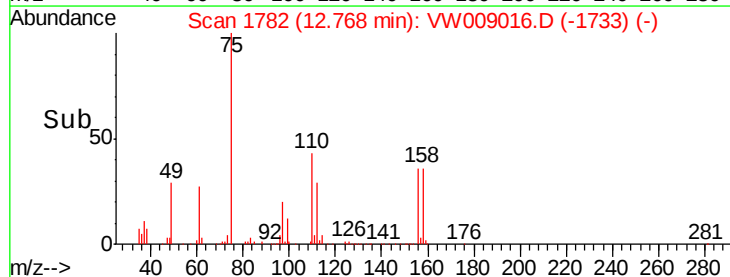
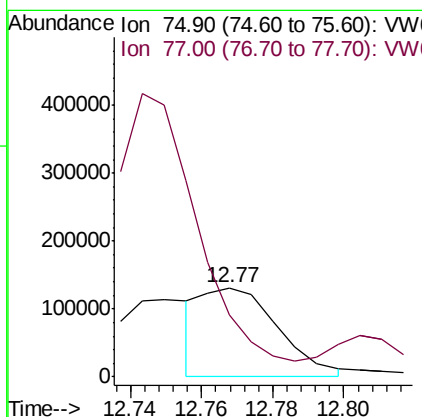
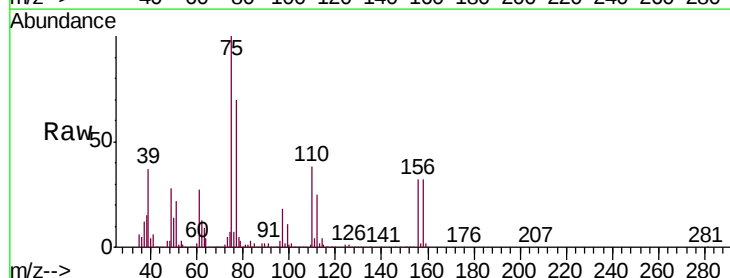
Acq: 06 Mar 2019 12:34

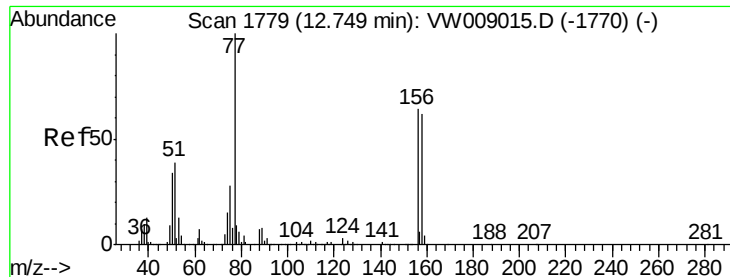
Tgt Ion: 75 Resp: 195211

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 102.837 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

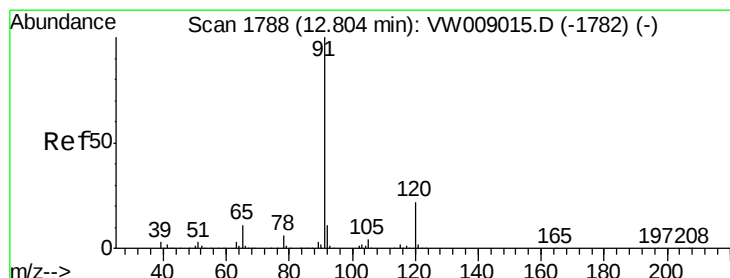
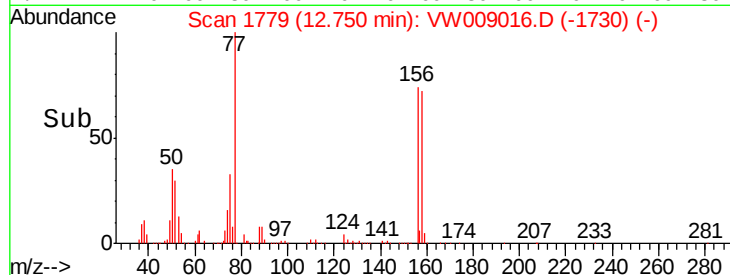
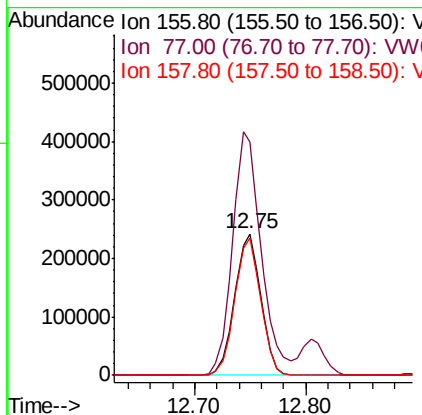
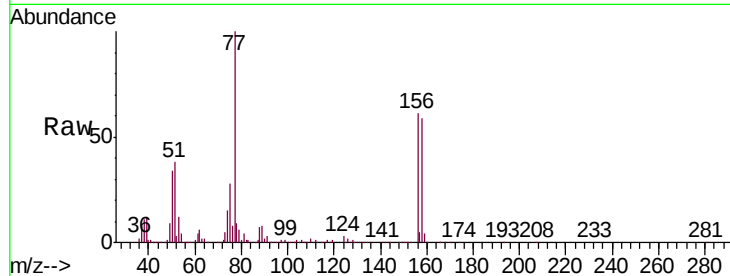
ClientSampled :

VSTDIC100

Tgt Ion:	156	Resp:	391818
Ion Ratio	Lower	Upper	
156	100		
77	189.1	91.6	274.9
158	96.3	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 105.785 ug/l

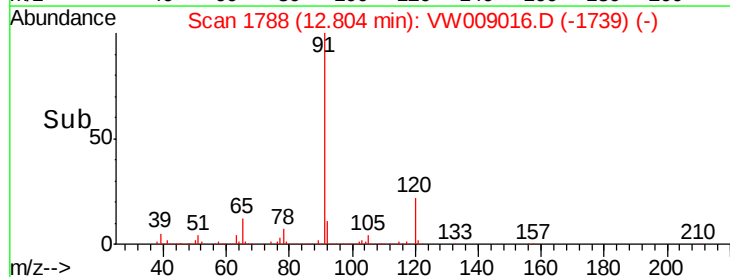
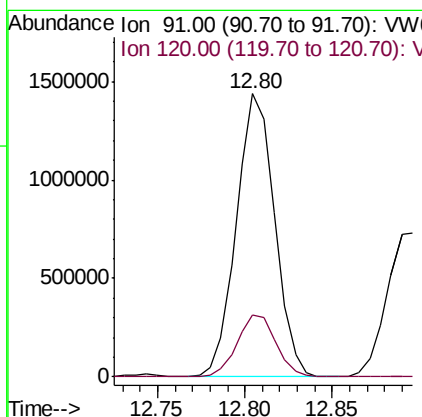
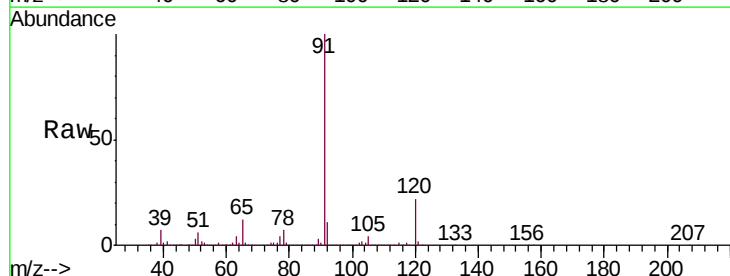
RT: 12.80 min Scan# 1788

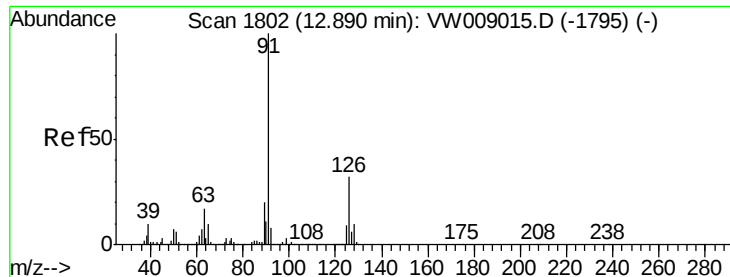
Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Tgt Ion:	91	Resp:	2185736
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.3	33.9





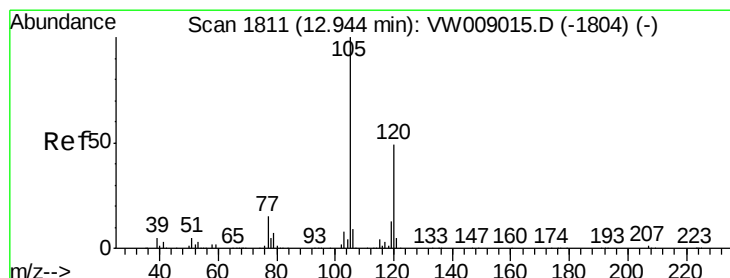
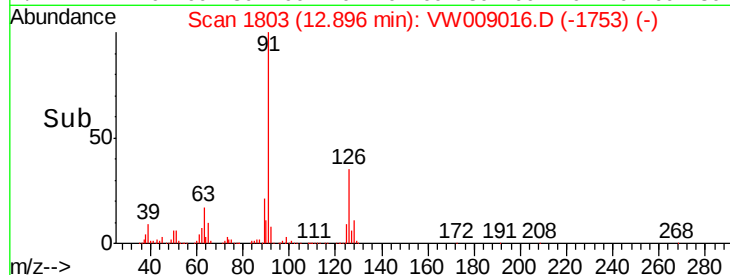
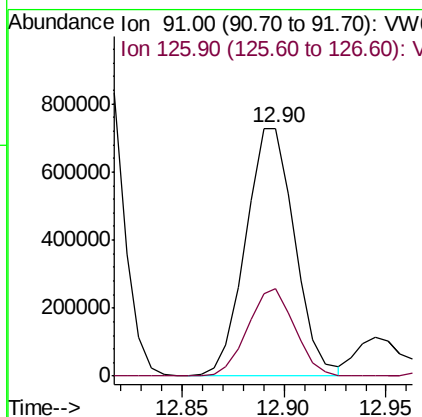
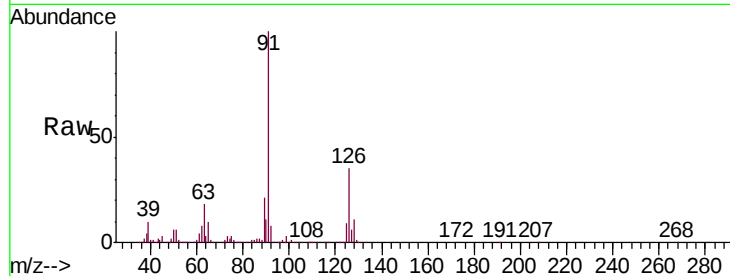
#79
2-Chlorotoluene
Concen: 104.404 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.01 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 1218039
Ion Ratio Lower Upper
91 100
126 33.8 16.8 50.4

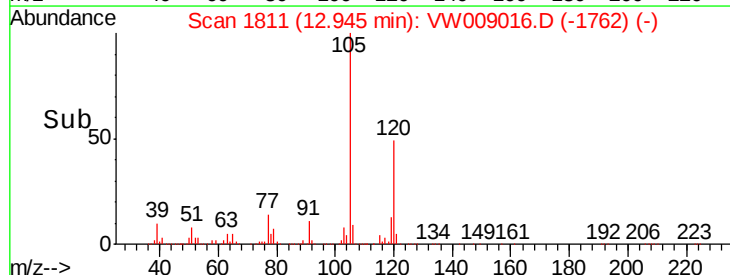
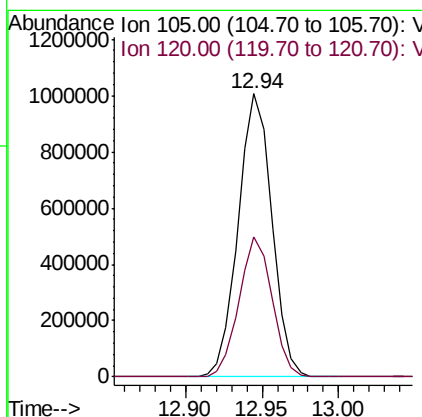
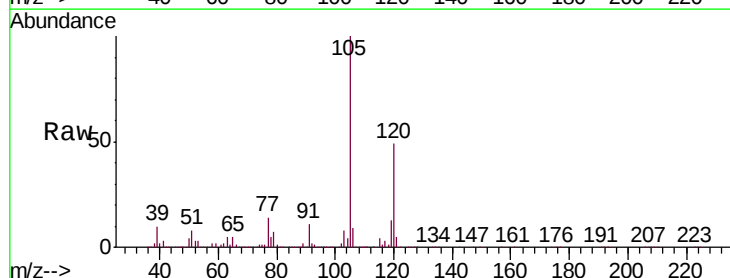
Manual Integrations
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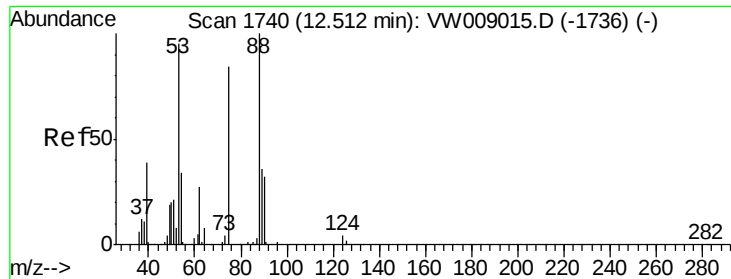
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 106.408 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion: 105 Resp: 1536957
Ion Ratio Lower Upper
105 100
120 48.8 24.6 73.8





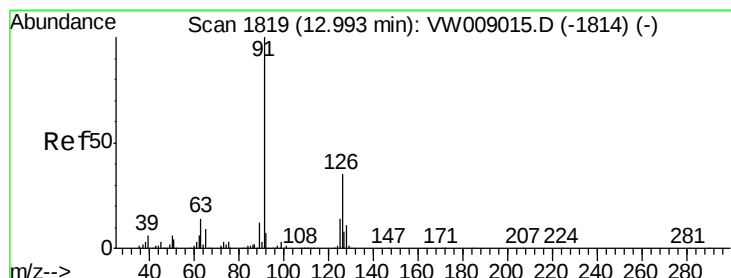
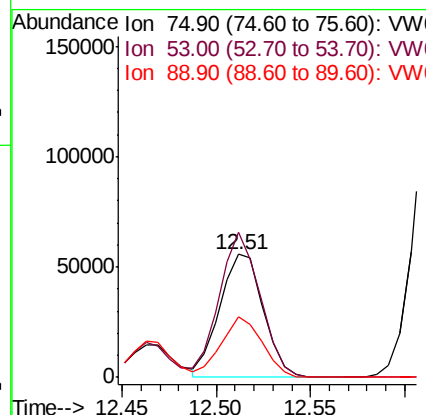
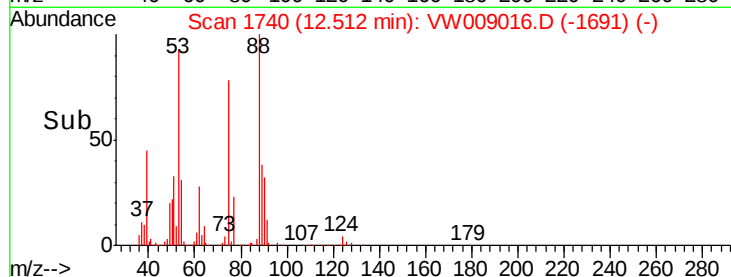
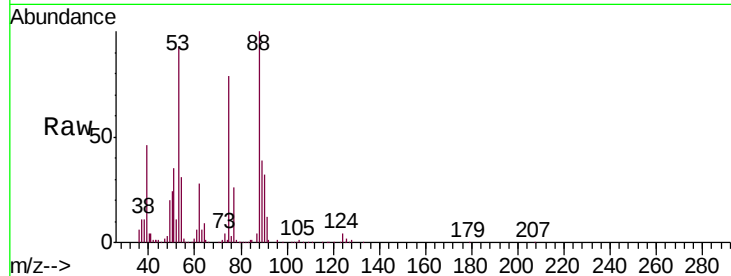
#81
trans-1,4-Dichloro-2-butene
Concen: 110.688 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
75	100		
53	112.9	88.5	132.7
89	47.0	36.3	54.5

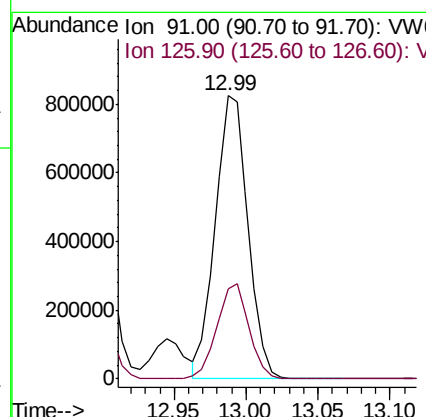
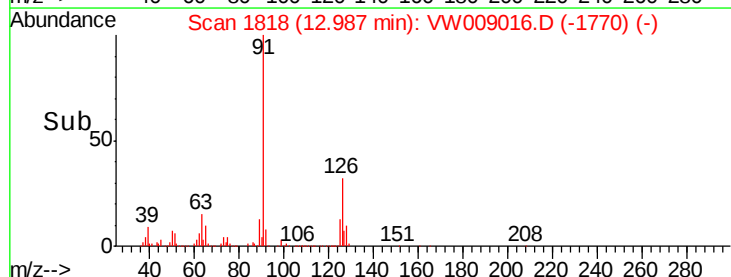
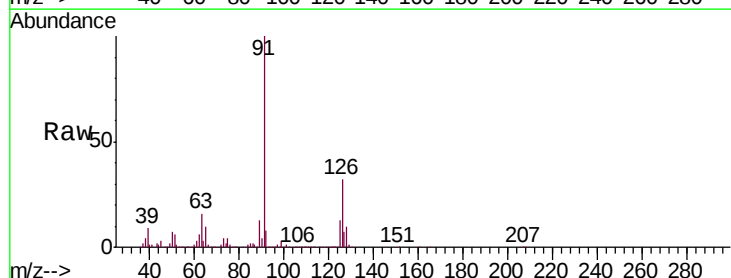
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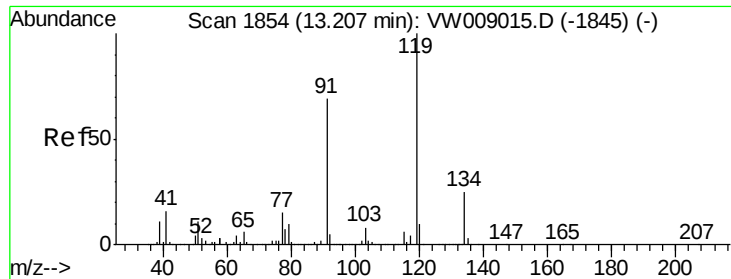
MMDadoda
3/8/2019 12:07:07 AM



#82
4-Chlorotoluene
Concen: 105.148 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.9	50.6





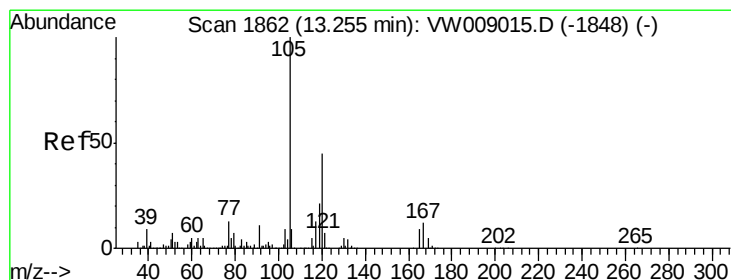
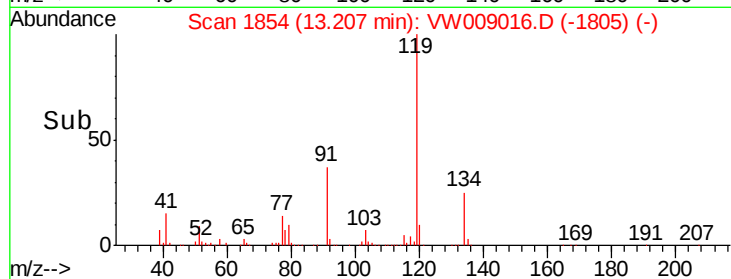
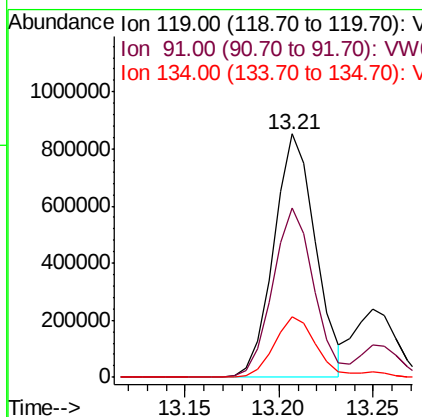
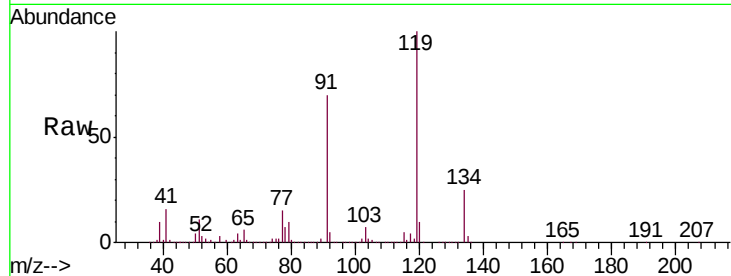
#83
 tert-Butylbenzene
 Concen: 105.098 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:119 Resp: 1307996
 Ion Ratio Lower Upper
 119 100
 91 69.3 34.3 102.9
 134 26.8 13.6 40.8

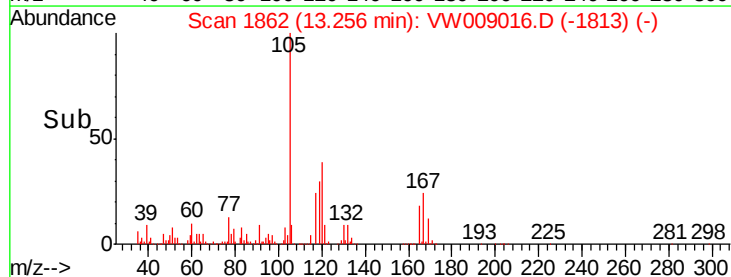
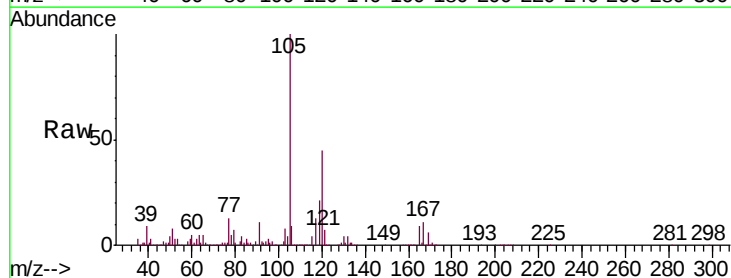
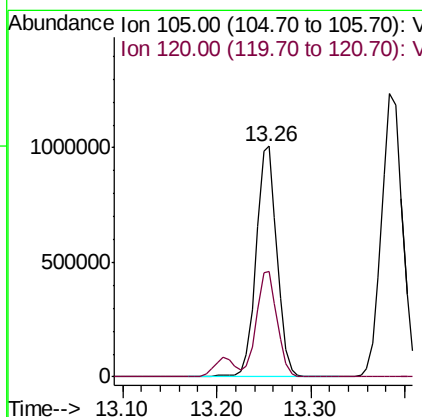
Manual Integrations
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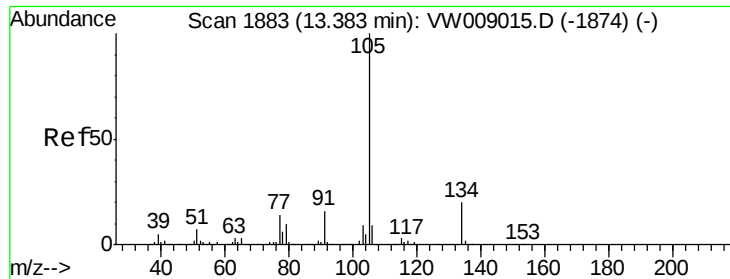
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 106.269 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Tgt Ion:105 Resp: 1571387
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.7





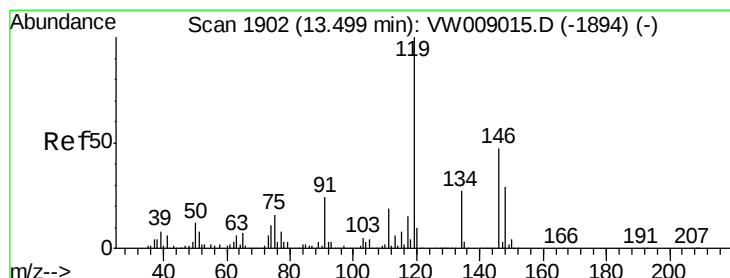
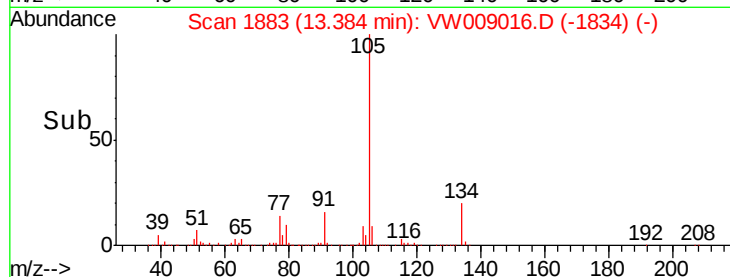
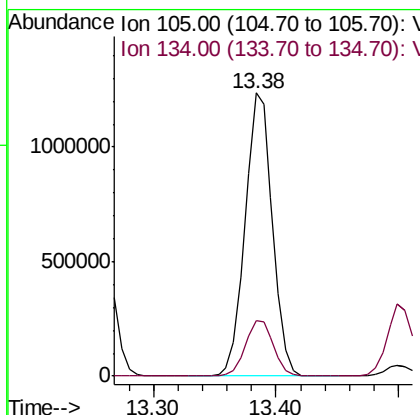
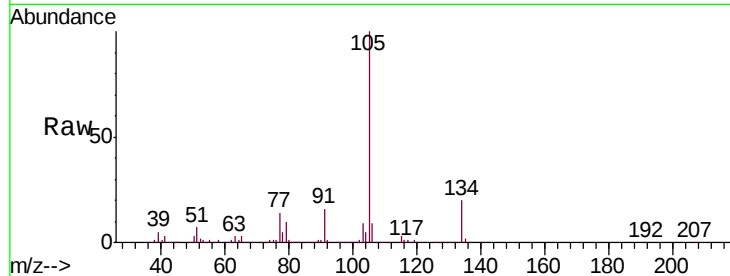
#85
 sec-Butylbenzene
 Concen: 105.091 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICC100

Tgt Ion:105 Resp: 1907941
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.2 30.6

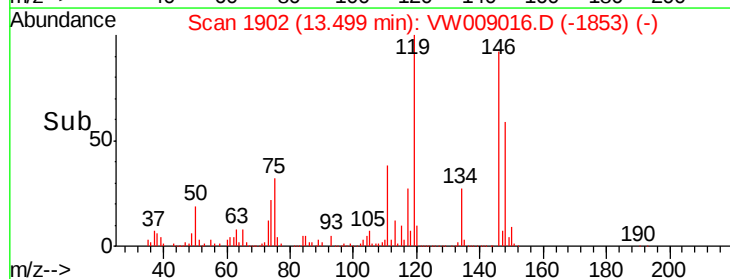
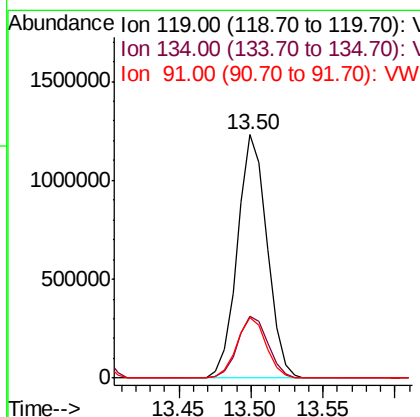
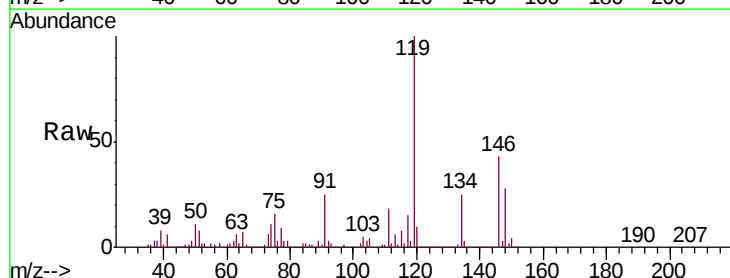
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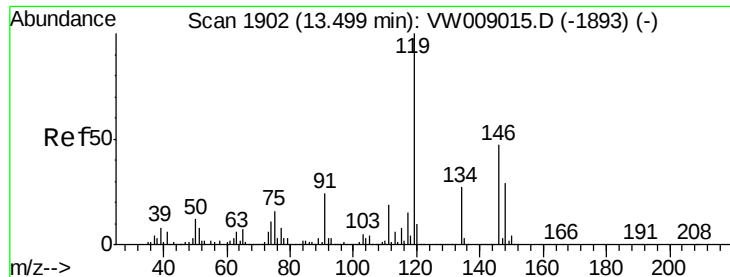
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#86
 p-Isopropyltoluene
 Concen: 107.544 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009016.D
 Acq: 06 Mar 2019 12:34

Tgt Ion:119 Resp: 1757408
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 38.9
 91 24.7 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 102.253 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

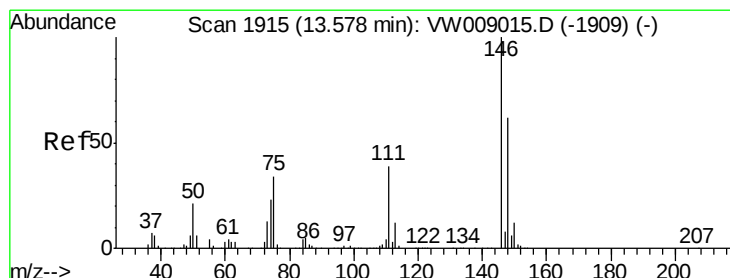
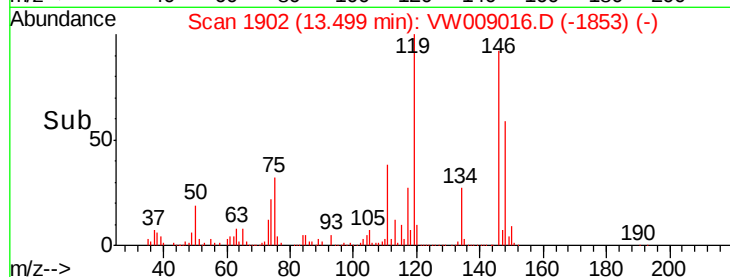
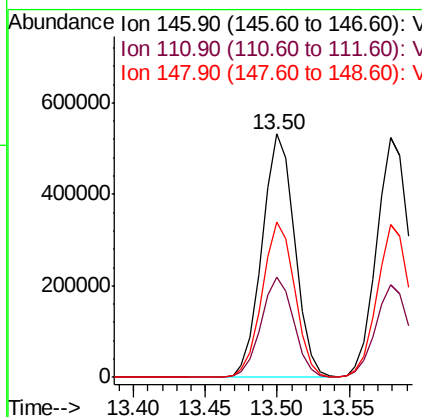
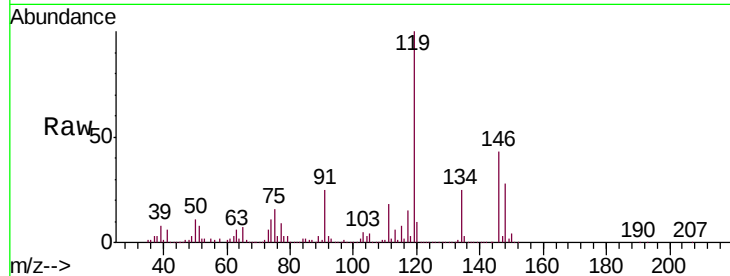
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.6	58.7
148	63.6	31.7	95.1

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 101.047 ug/l

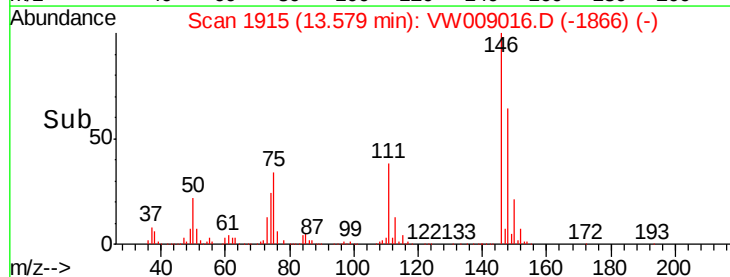
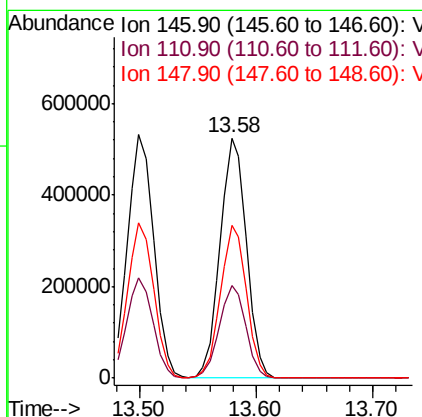
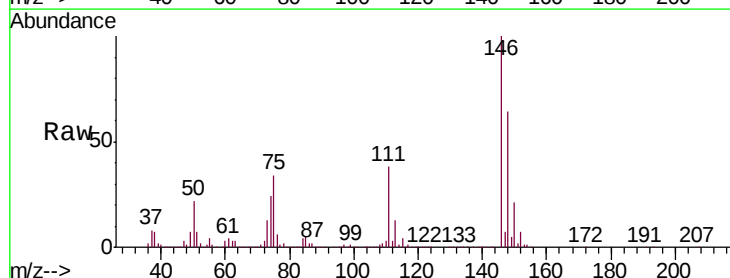
RT: 13.58 min Scan# 1915

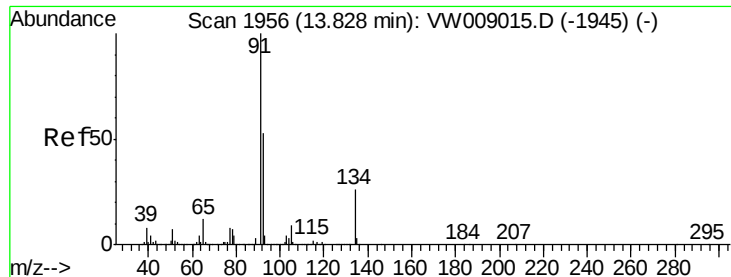
Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.9	59.7
148	63.1	31.7	95.1





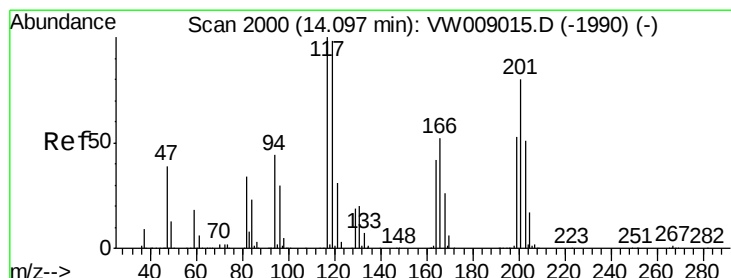
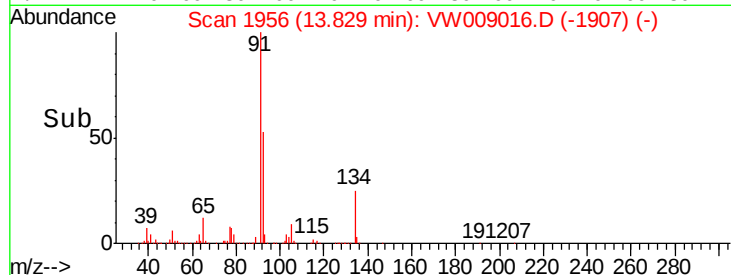
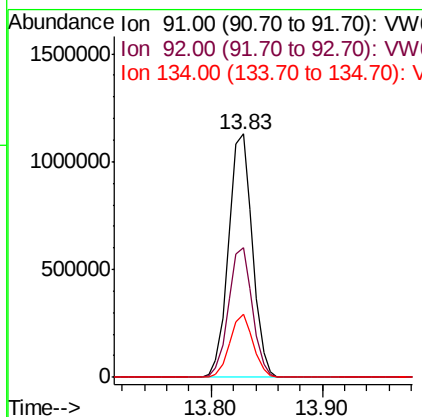
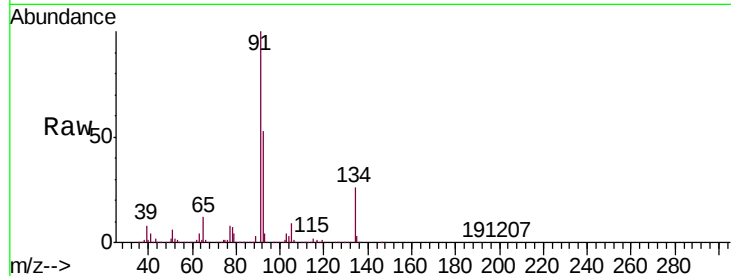
#89
n-Butylbenzene
Concen: 107.688 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion: 91 Resp: 1666036
Ion Ratio Lower Upper
91 100
92 53.3 26.7 80.0
134 25.4 13.0 39.0

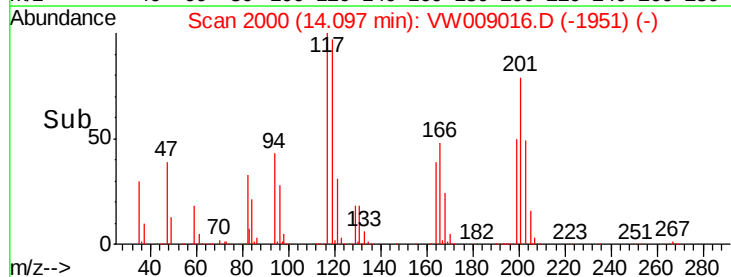
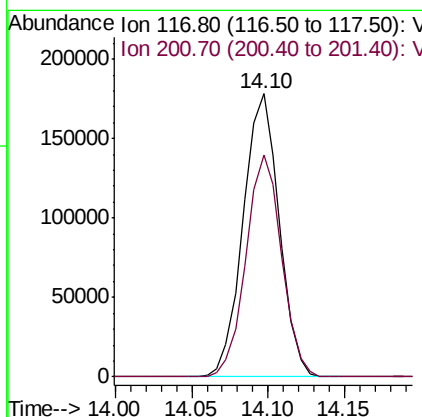
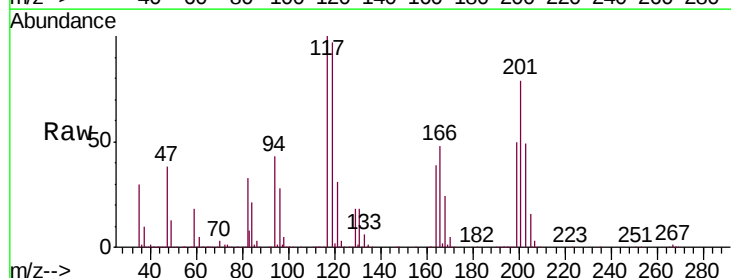
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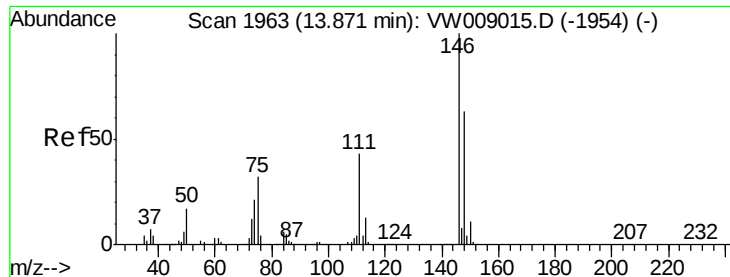
MMDadoda
3/8/2019 12:07:07 AM



#90
Hexachloroethane
Concen: 104.202 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion: 117 Resp: 291716
Ion Ratio Lower Upper
117 100
201 77.6 38.9 116.6





#91

1,2-Dichlorobenzene

Concen: 101.496 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Instrument :

MSVOA_W

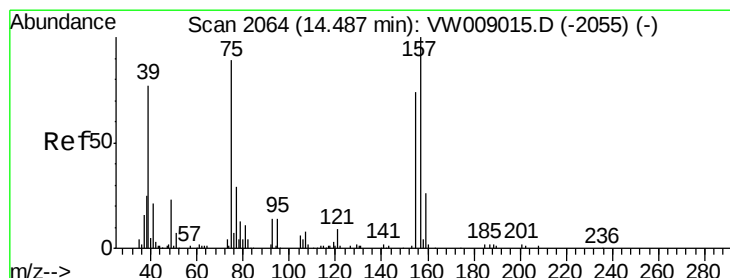
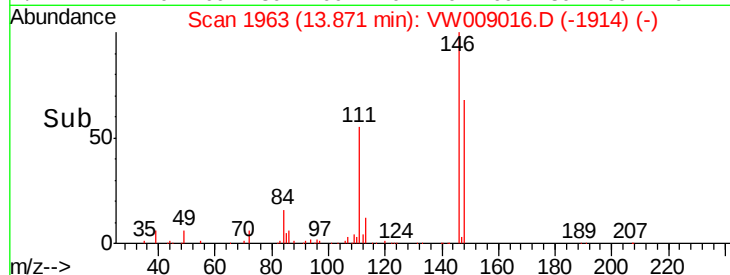
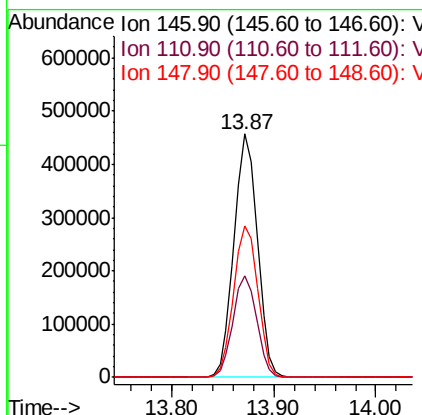
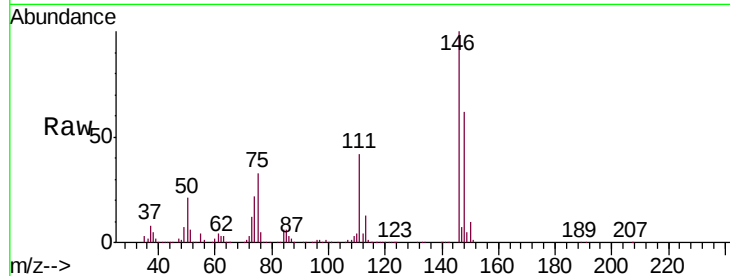
ClientSampleId :

VSTDIC100

Tgt Ion:	146	Resp:	724324
Ion Ratio	Lower	Upper	
146	100		
111	42.2	20.8	62.4
148	64.3	31.8	95.3

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 100.284 ug/l

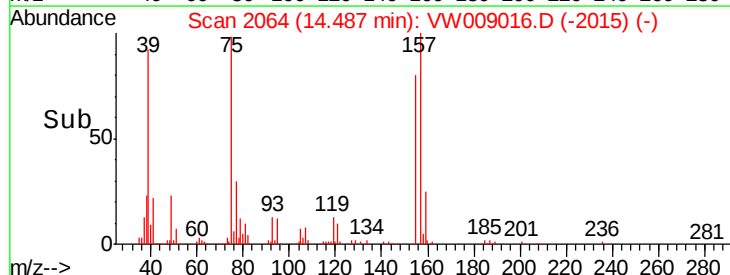
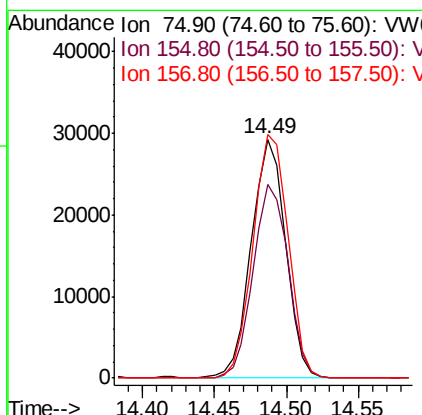
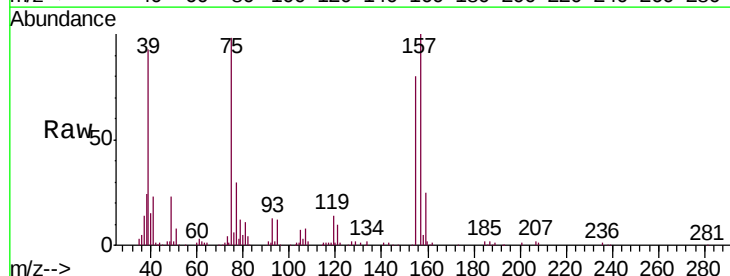
RT: 14.49 min Scan# 2064

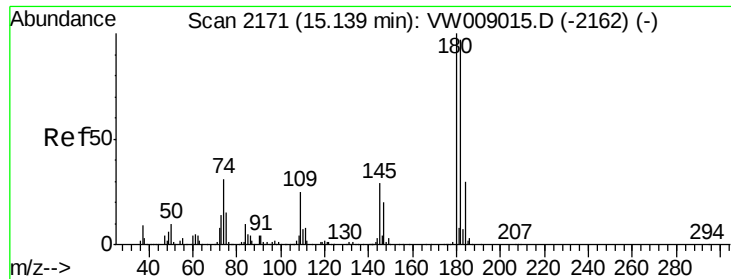
Delta R.T. 0.00 min

Lab File: VW009016.D

Acq: 06 Mar 2019 12:34

Tgt Ion:	75	Resp:	48117
Ion Ratio	Lower	Upper	
75	100		
155	82.9	41.4	124.4
157	104.5	53.1	159.4





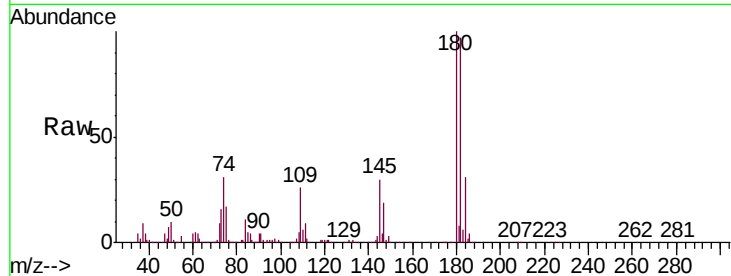
#93
1,2,4-Trichlorobenzene
Concen: 103.126 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	503950		
182	94.6	47.6	142.9	
145	29.8	14.7	44.1	

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

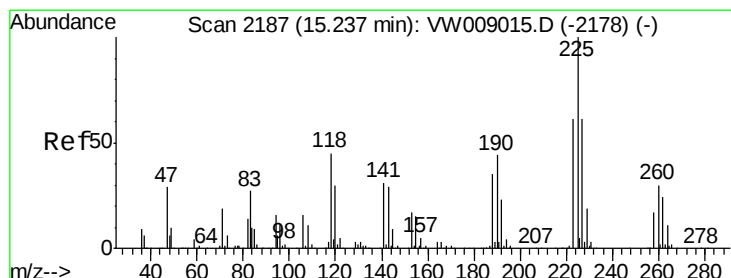
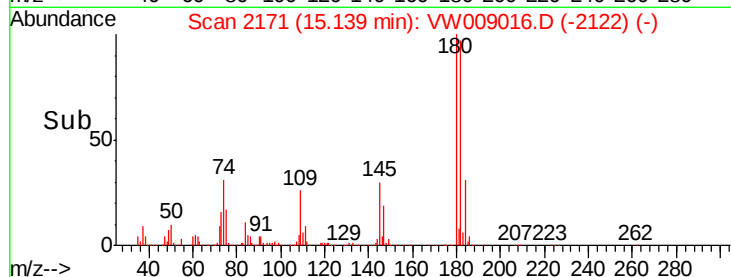
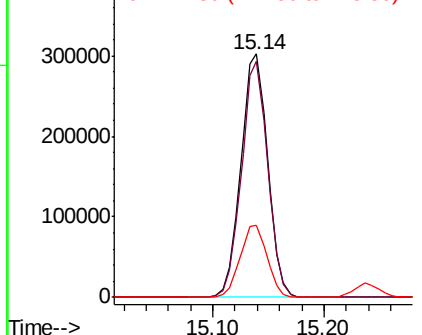


Abundance

Ion 179.80 (179.50 to 180.50): V

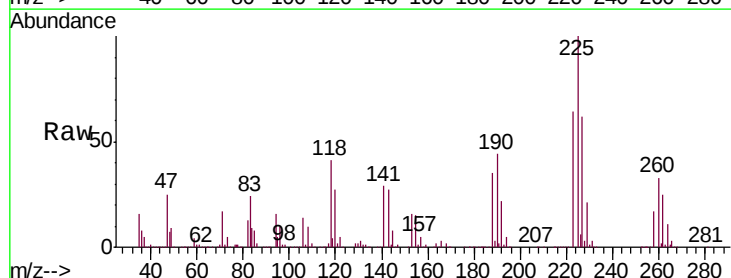
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 96.926 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	301066		
223	63.0	30.6	91.8	
227	63.4	31.2	93.6	

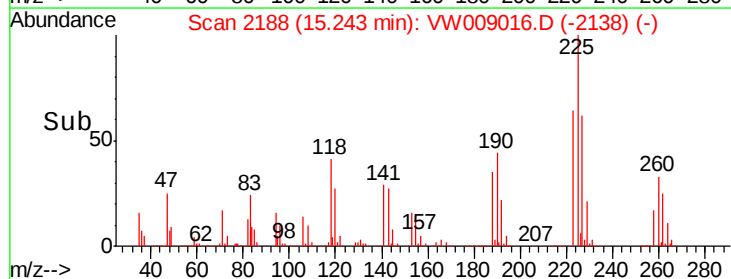
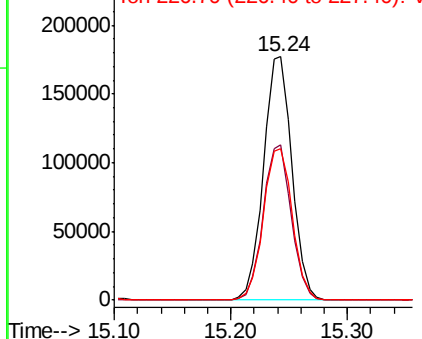


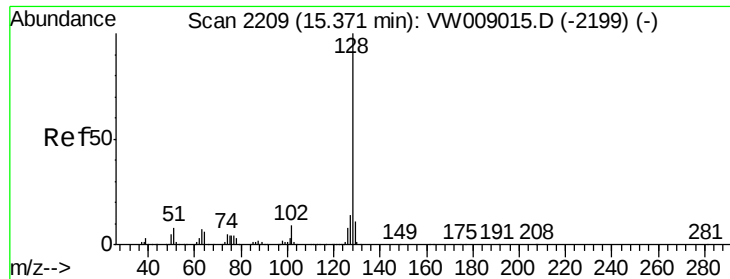
Abundance

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





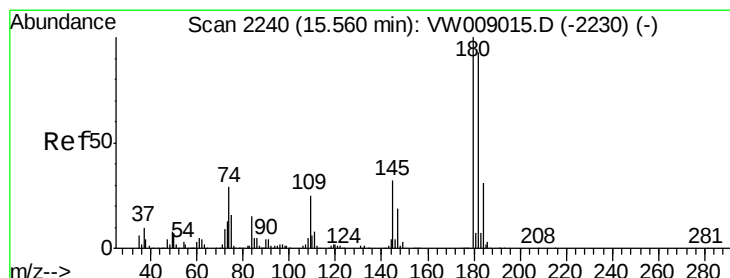
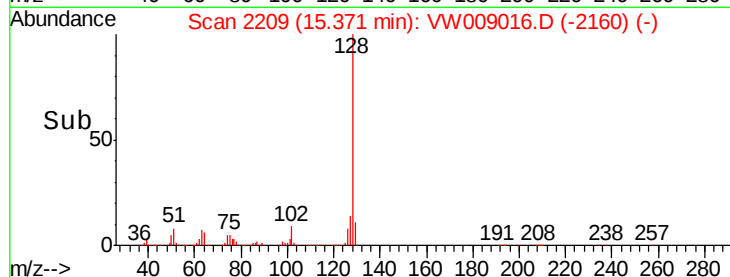
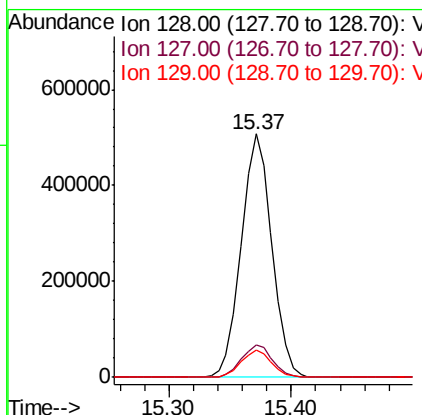
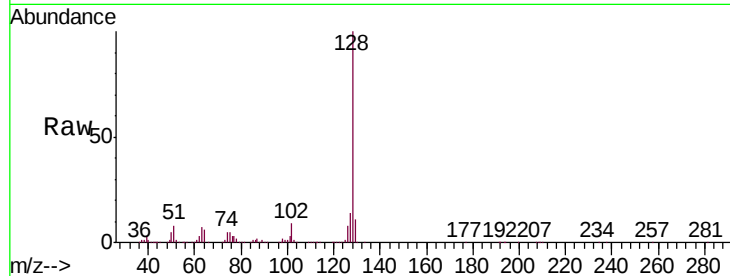
#95
Naphthalene
Concen: 110.751 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.0	16.4
129	11.0	8.6	13.0

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



#96
1,2,3-Trichlorobenzene
Concen: 100.750 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009016.D
Acq: 06 Mar 2019 12:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.3	141.8
145	32.2	15.4	46.2

