

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062327.D
 Acq On : 14 May 2019 2:58
 Operator : FY/SY
 Sample : K2735-05MS
 Misc : 5.87g/5mL/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:50:50 AM

Quant Time: May 14 06:55:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	557864	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	824905	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	650726	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	301908	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	307893	59.39	ug/l	0.05
Spiked Amount	50.000		Recovery	=	118.78%	
35) Dibromofluoromethane	6.94	113	378718	55.33	ug/l	0.05
Spiked Amount	50.000		Recovery	=	110.66%	
50) Toluene-d8	10.43	98	768441	46.57	ug/l	0.03
Spiked Amount	50.000		Recovery	=	93.14%	
62) 4-Bromofluorobenzene	13.57	95	304110	45.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	313785	58.811	ug/l	99
3) Chloromethane	1.77	50	219908	57.041	ug/l	99
4) Vinyl Chloride	1.87	62	241794	63.816	ug/l	97
5) Bromomethane	2.16	94	111023	125.054	ug/l	93
6) Chloroethane	2.29	64	127487	80.187	ug/l	97
7) Trichlorofluoromethane	2.55	101	528017	71.681	ug/l	96
8) Diethyl Ether	2.89	74	68869	48.477	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.16	101	322674	57.907	ug/l	94
10) Methyl Iodide	3.32	142	454326	53.947	ug/l #	79
11) Tert butyl alcohol	4.08	59	59853	226.176	ug/l	97
12) 1,1-Dichloroethene	3.14	96	254593	59.853	ug/l #	82
13) Acrolein	3.06	56	1349	4.929	ug/l	99
14) Allyl chloride	3.65	41	350174	56.619	ug/l #	79
15) Acrylonitrile	4.22	53	139276	200.233	ug/l #	81
16) Acetone	3.24	43	193213	177.716	ug/l #	81
17) Carbon Disulfide	3.39	76	670596	54.804	ug/l	98
18) Methyl Acetate	3.66	43	251049	129.594	ug/l	91
19) Methyl tert-butyl Ether	4.26	73	534878	58.666	ug/l	92
20) Methylene Chloride	3.83	84	257012	56.617	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	292300	61.754	ug/l	87
22) Diisopropyl ether	5.14	45	766504	58.240	ug/l	93
23) Vinyl Acetate	5.14	43	568198m	81.827	ug/l	
24) 1,1-Dichloroethane	5.01	63	492549	62.037	ug/l	97
25) 2-Butanone	6.09	43	221367	186.669	ug/l	93
26) 2,2-Dichloropropane	6.05	77	467842	59.155	ug/l	93
27) cis-1,2-Dichloroethene	6.06	96	313546	59.181	ug/l	90
28) Bromochloromethane	6.46	49	161975	51.854	ug/l	85
29) Tetrahydrofuran	6.48	42	125462	229.614	ug/l	97
30) Chloroform	6.69	83	681118	71.183	ug/l	99
31) Cyclohexane	6.98	56	319369	58.714	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	704968	77.948	ug/l	98
36) 1,1-Dichloropropene	7.17	75	422661	62.492	ug/l	91
37) Ethyl Acetate	6.20	43	61615	21.481	ug/l #	97
38) Carbon Tetrachloride	7.13	117	670809m	71.658	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	337334	52.056	ug/l	99
40) Benzene	7.47	78	866385	56.728	ug/l	96
41) Methacrylonitrile	6.47	41	167732	47.853	ug/l #	84
42) 1,2-Dichloroethane	7.60	62	428407	66.206	ug/l	92
43) Isopropyl Acetate	9.26	43	73591	18.091	ug/l	93
44) Trichloroethene	8.56	130	313241	53.824	ug/l	74
45) 1,2-Dichloropropane	8.96	63	211784	56.062	ug/l	98
46) Dibromomethane	9.08	93	174351	56.755	ug/l	98
47) Bromodichloromethane	9.39	83	474017	63.083	ug/l	98
48) Methyl methacrylate	9.14	41	138874	55.425	ug/l #	82
49) 1,4-Dioxane	9.10	88	23069	853.313	ug/l #	92
51) 4-Methyl-2-Pentanone	10.32	43	582024	222.583	ug/l	89
52) Toluene	10.53	92	572449	57.608	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	349207	53.771	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	378928	53.484	ug/l #	82
55) 1,1,2-Trichloroethane	11.20	97	182876	52.013	ug/l	98
56) Ethyl methacrylate	11.06	69	82875	22.683	ug/l #	87
57) 1,3-Dichloropropane	11.42	76	299896	56.459	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.88	63	366767	183.777	ug/l	99
59) 2-Hexanone	11.55	43	357538	185.517	ug/l	88
60) Dibromochloromethane	11.70	129	353119	58.114	ug/l	94
61) 1,2-Dibromoethane	11.82	107	224404	52.498	ug/l	97
64) Tetrachloroethene	11.27	164	285536	56.115	ug/l	95
65) Chlorobenzene	12.41	112	674663	55.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	346388	65.669	ug/l	95
67) Ethyl Benzene	12.53	91	1245797	61.398	ug/l	94
68) m/p-Xylenes	12.68	106	821041	111.219	ug/l	88
69) o-Xylene	13.06	106	388628	56.625	ug/l	89
70) Styrene	13.08	104	475256	40.878	ug/l	95
71) Bromoform	13.24	173	205142	55.899	ug/l #	99
73) Isopropylbenzene	13.41	105	1145972	63.323	ug/l	94
74) N-amyl acetate	13.27	43	86394	18.208	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	189345	55.266	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	187229	52.183	ug/l	99
77) Bromobenzene	13.67	156	315404	62.258	ug/l	82
78) n-propylbenzene	13.78	91	1349504	62.512	ug/l	95
79) 2-Chlorotoluene	13.85	91	800367	64.734	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	970094	63.657	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.48	75	46602	46.009	ug/l #	67
82) 4-Chlorotoluene	13.96	91	887082	60.971	ug/l	91
83) tert-Butylbenzene	14.20	119	1098588	64.136	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	930487	60.845	ug/l	90
85) sec-Butylbenzene	14.37	105	1054122	56.129	ug/l	96
86) p-Isopropyltoluene	14.50	119	840698	50.104	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	456781	49.358	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	479205	52.699	ug/l	96
89) n-Butylbenzene	14.81	91	784870	52.114	ug/l	94
90) Hexachloroethane	15.01	117	289285	63.398	ug/l	99
91) 1,2-Dichlorobenzene	14.82	146	434845	57.054	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	35031	62.289	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	242262	43.670	ug/l	95
94) Hexachlorobutadiene	16.05	225	153740	37.261	ug/l	98
95) Naphthalene	16.13	128	364314	47.039	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	173307	49.687	ug/l	96

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

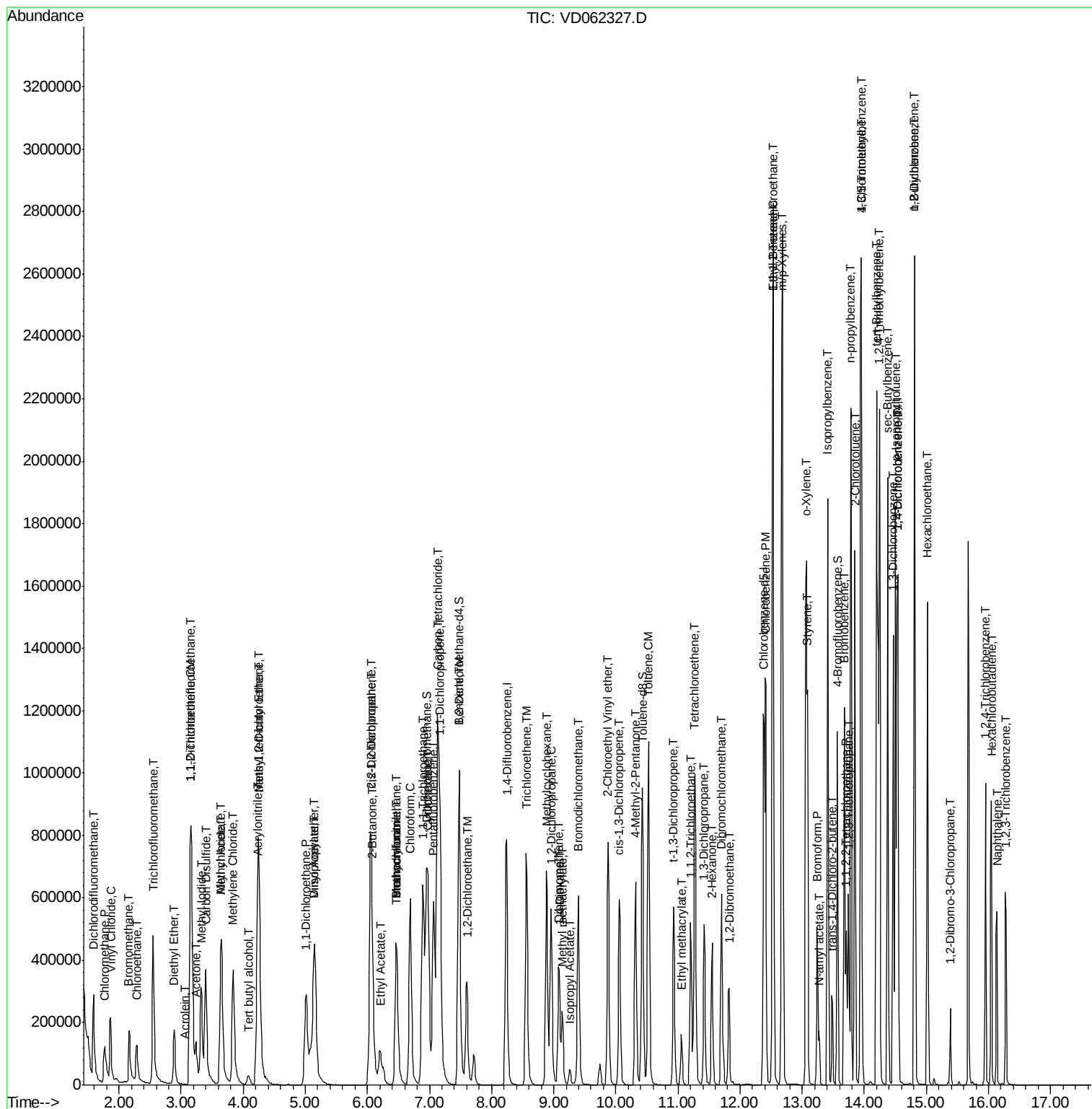
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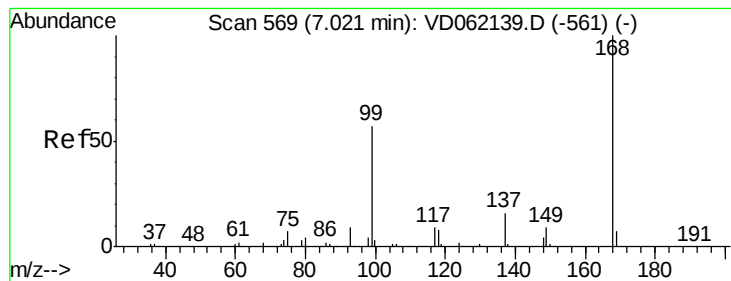
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

Tot Ion:168 Resp: 557864

Ion Ratio Lower Upper

168 100

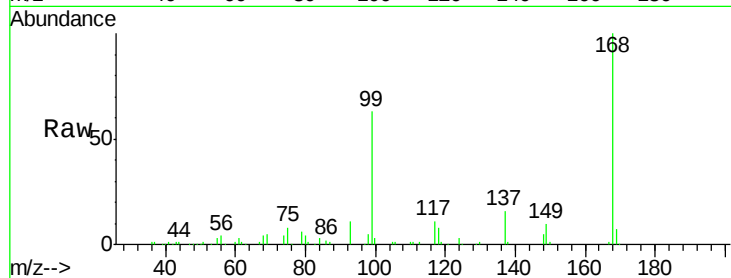
99 63.3 46.5 69.7

Manual Integrations

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5/14/2019 9:50:50 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

200000

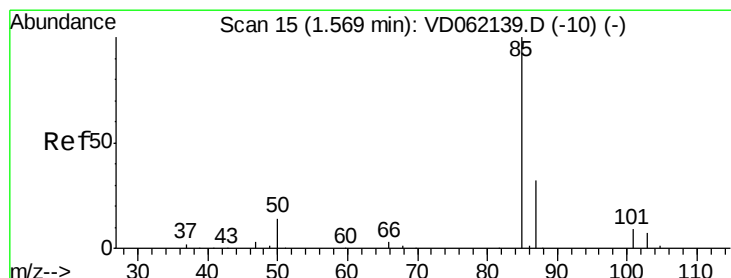
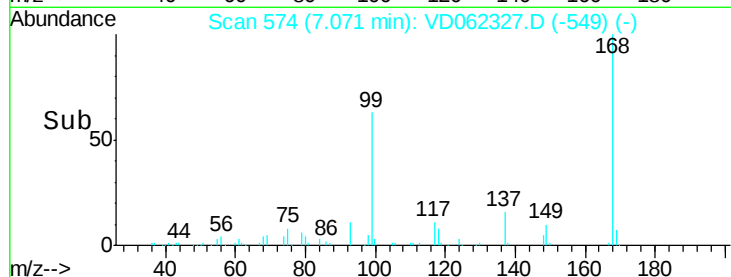
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 58.811 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD062327.D

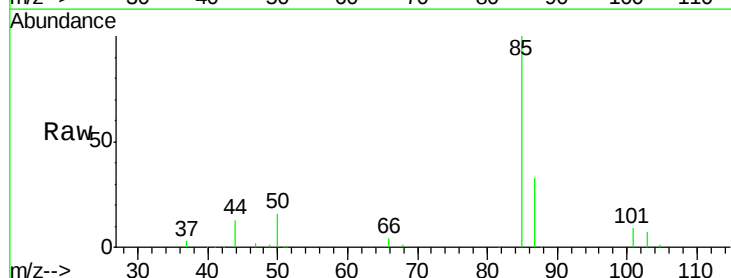
Acq: 14 May 2019 2:58

Tgt Ion: 85 Resp: 313785

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

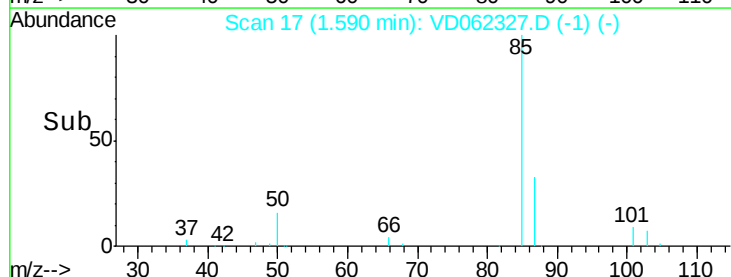
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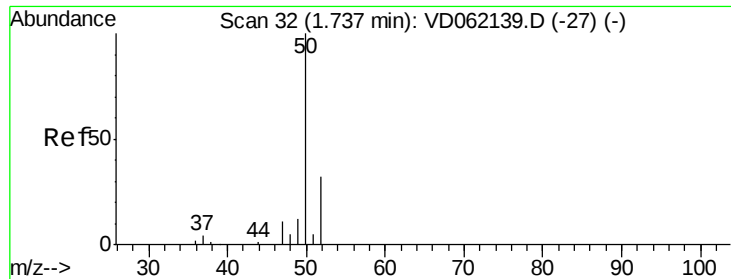
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50000

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Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 57.041 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.03 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

Tot Ion: 50 Resp: 219908

Ion Ratio Lower Upper

50 100

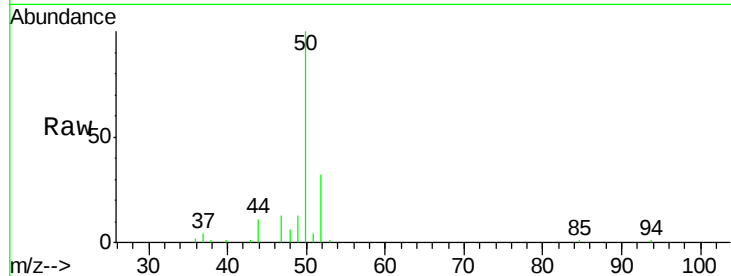
52 32.1 25.2 37.8

Manual Integrations

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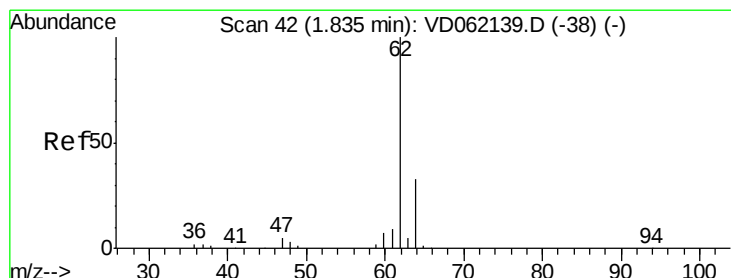
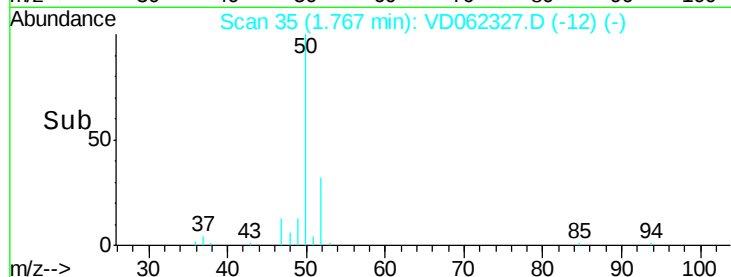
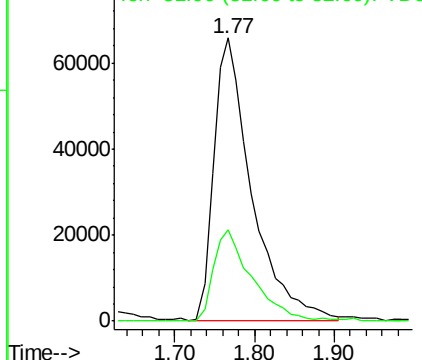
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 63.816 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.03 min

Lab File: VD062327.D

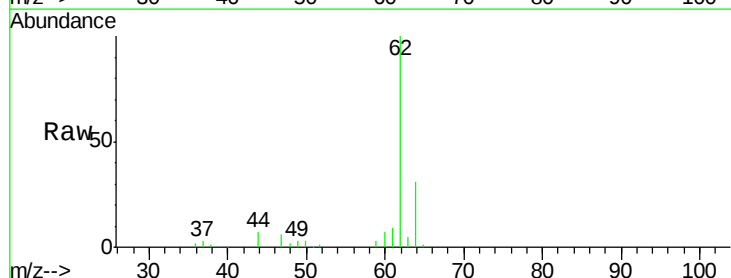
Acq: 14 May 2019 2:58

Tgt Ion: 62 Resp: 241794

Ion Ratio Lower Upper

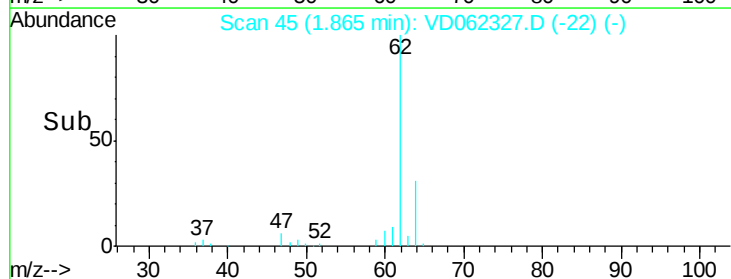
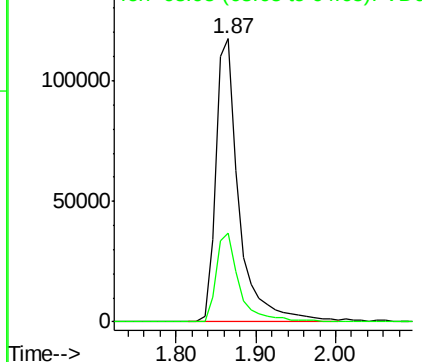
62 100

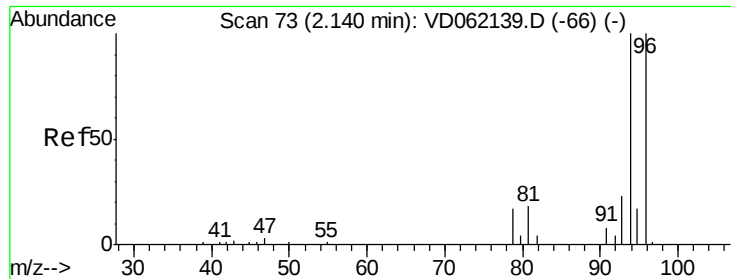
64 31.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 125.054 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

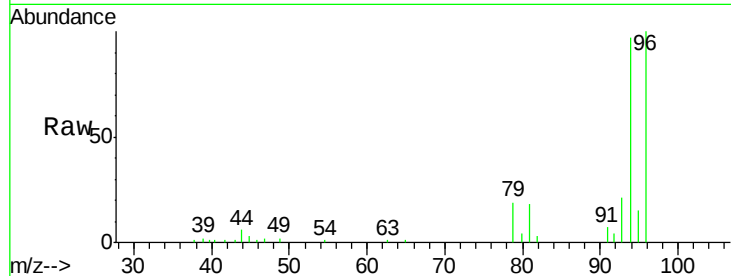
ClientSampleId :

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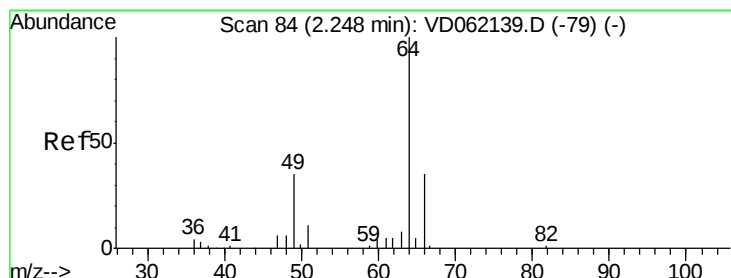
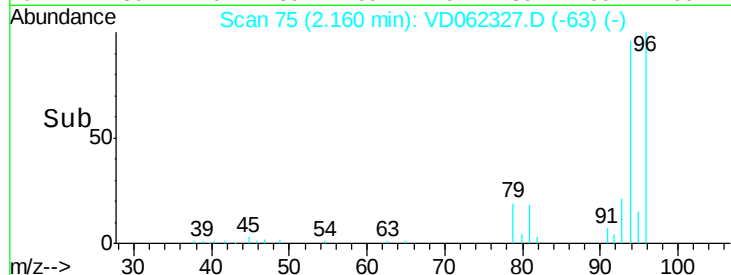
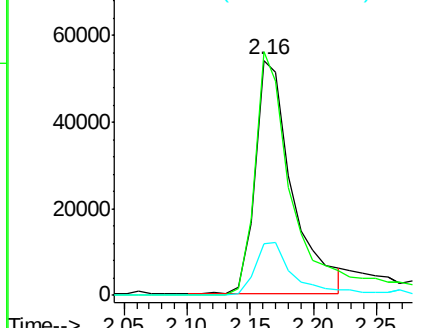
Tot Ion:	94	Resp:	111023
Ion Ratio	Lower	Upper	
94	100		
96	103.5	76.6	115.0
93	21.8	18.5	27.7

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Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 80.187 ug/l

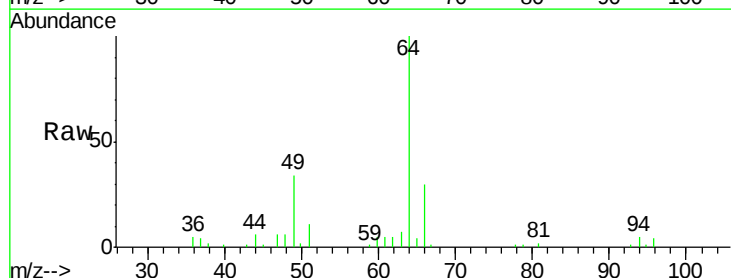
RT: 2.29 min Scan# 88

Delta R.T. 0.04 min

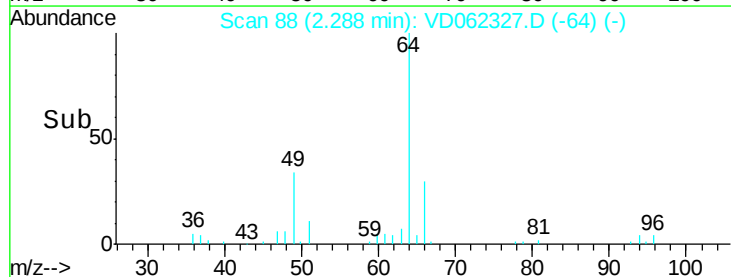
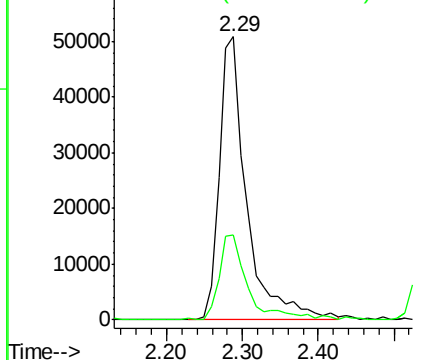
Lab File: VD062327.D

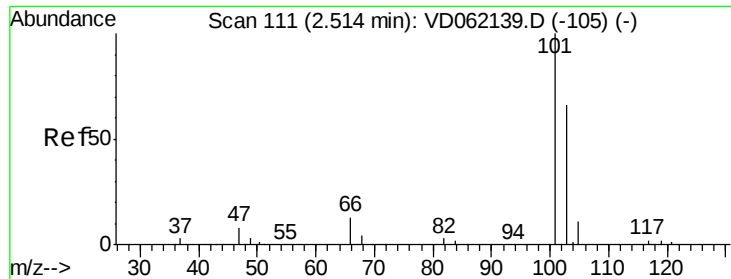
Acq: 14 May 2019 2:58

Tgt Ion:	64	Resp:	127487
Ion Ratio	Lower	Upper	
64	100		
66	30.1	25.6	38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

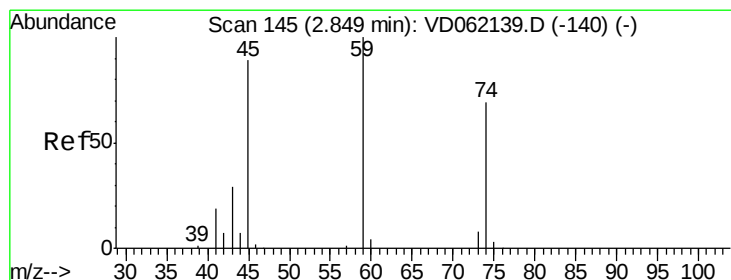
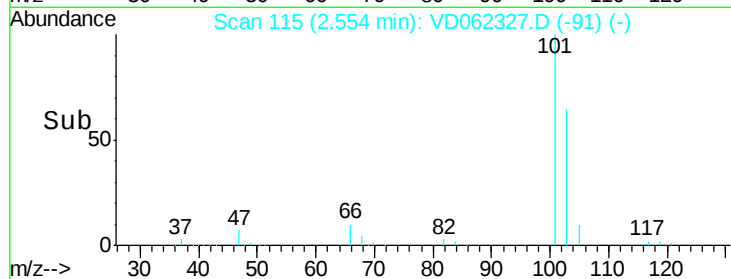
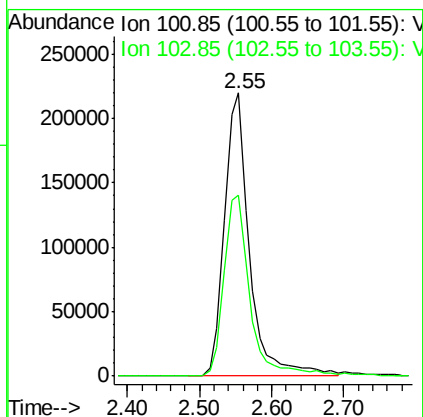
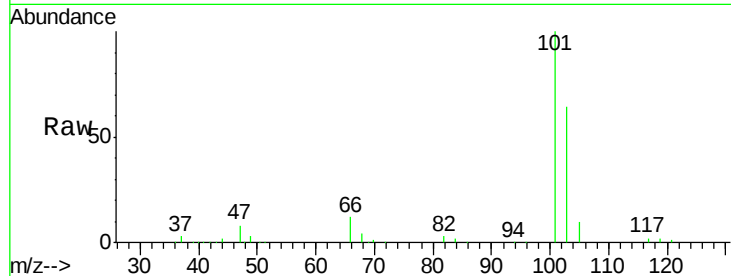
Trichlorofluoromethane
Concen: 71.681 ug/l
RT: 2.55 min Scan# 115
Delta R.T. 0.04 min
Lab File: VD062327.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.6	80.4

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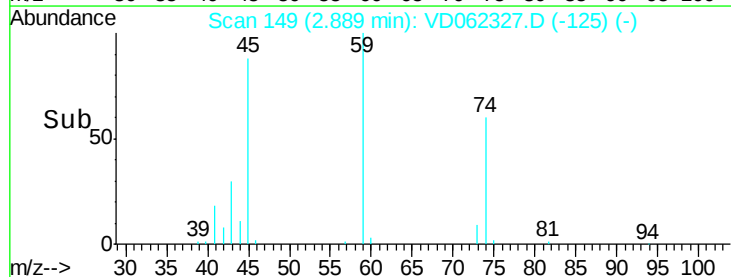
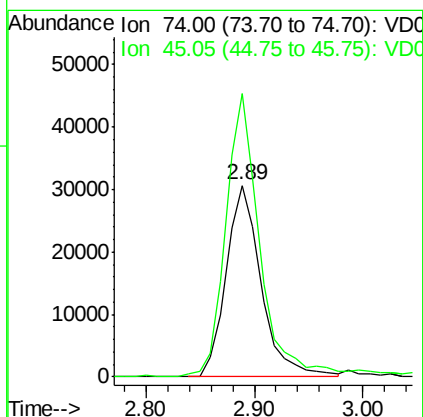
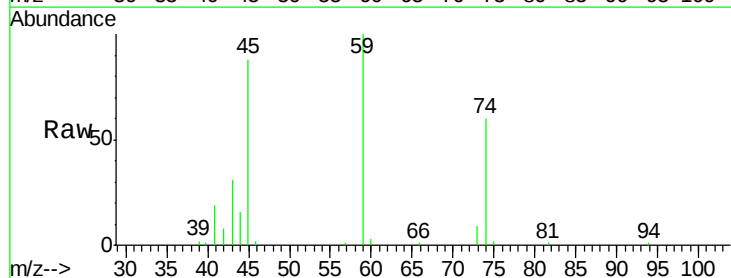
MMDadoda
5/14/2019 9:50:50 AM

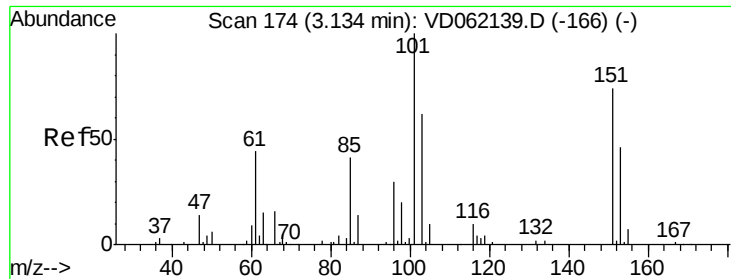


#8

Diethyl Ether
Concen: 48.477 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.04 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	147.6	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.907 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

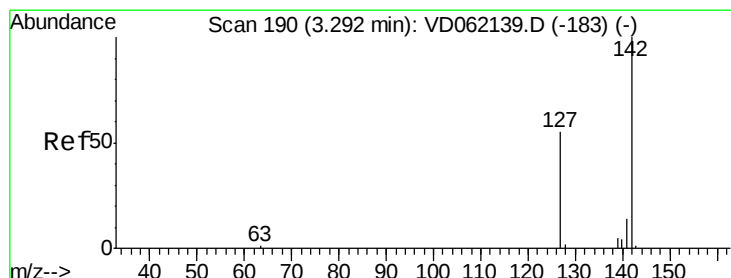
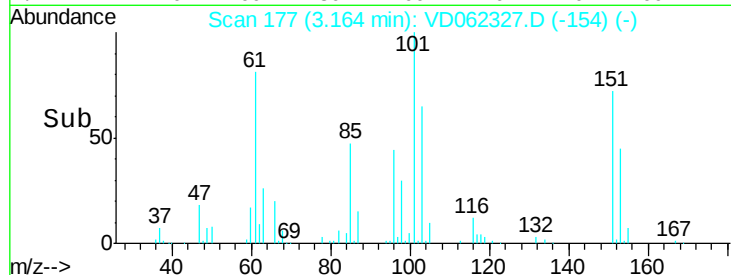
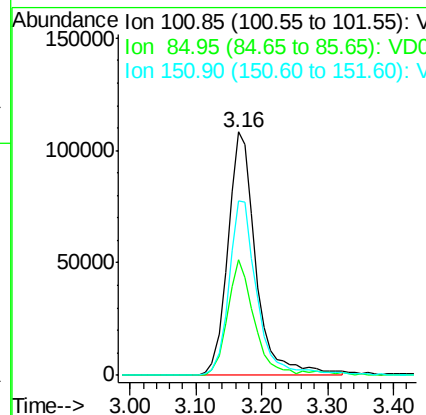
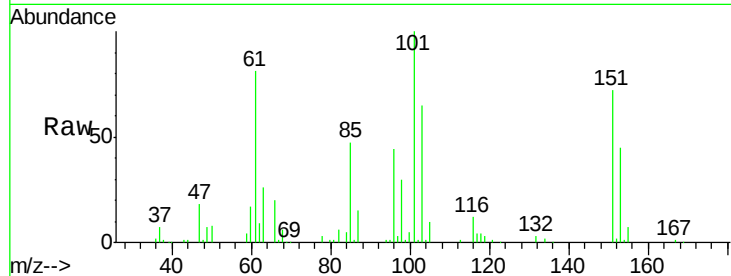
ClientSampleId :

P026-SS015-1824-01MS

Tot Ion:	101	Resp:	322674
Ion Ratio	Lower	Upper	
101	100		
85	47.5	32.4	48.6
151	71.5	59.4	89.0

Manual Integrations
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5/14/2019 9:50:50 AM



#10

Methyl Iodide

Concen: 53.947 ug/l

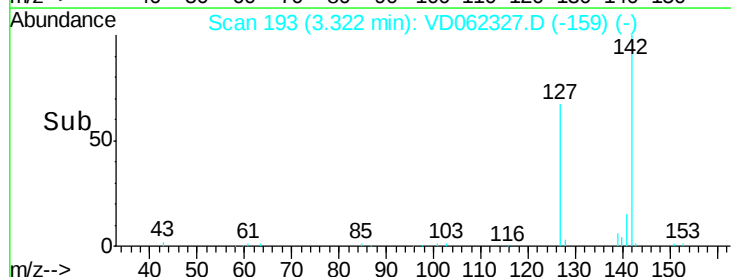
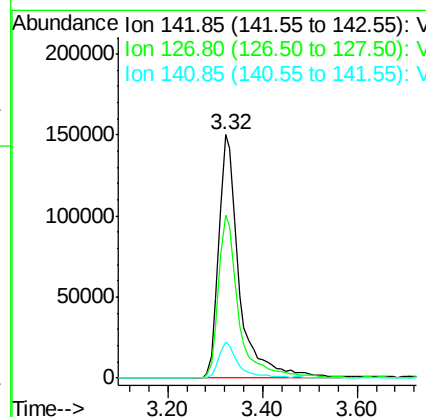
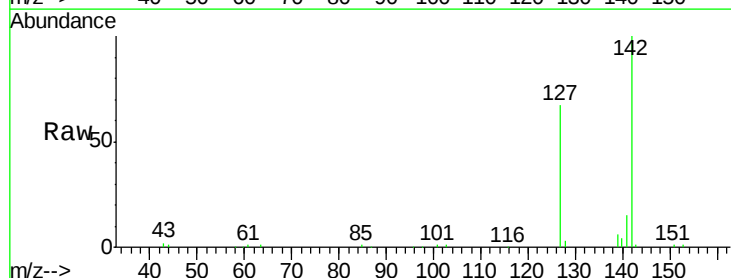
RT: 3.32 min Scan# 193

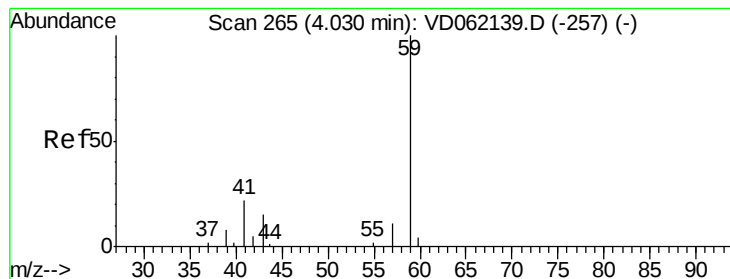
Delta R.T. 0.03 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Tgt Ion:	142	Resp:	454326
Ion Ratio	Lower	Upper	
142	100		
127	66.9	38.8	58.2#
141	15.0	11.4	17.0





#11

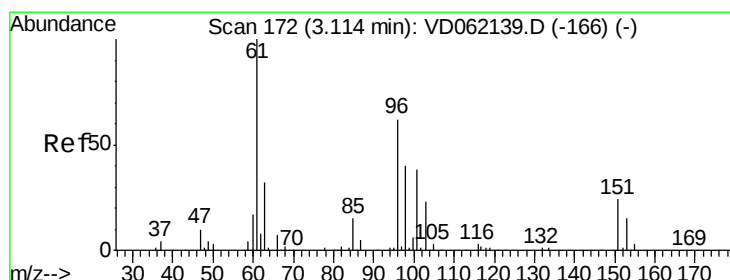
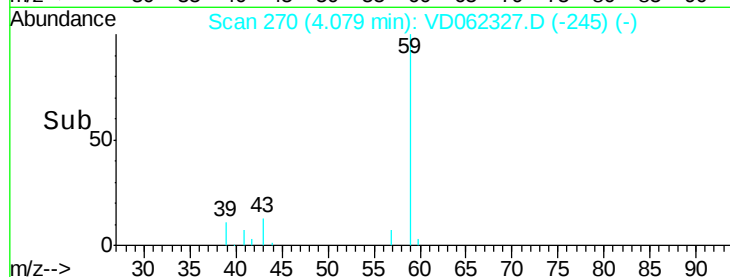
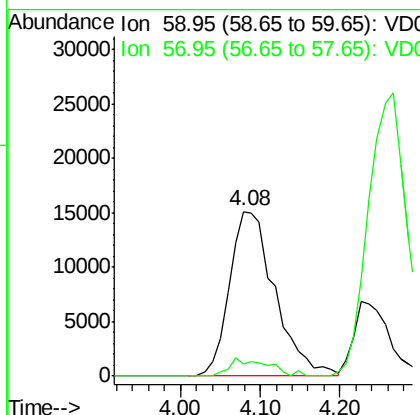
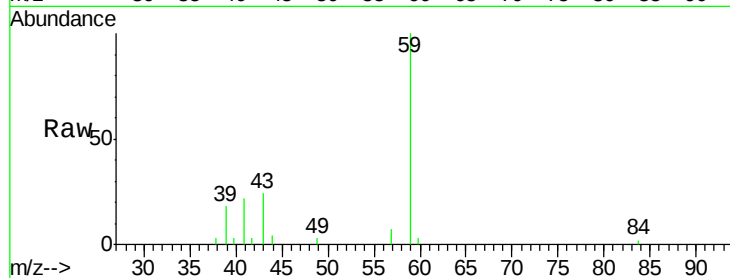
Tert butyl alcohol
Concen: 226.176 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100	59853		
57	7.4		6.9	10.3

Manual Integrations
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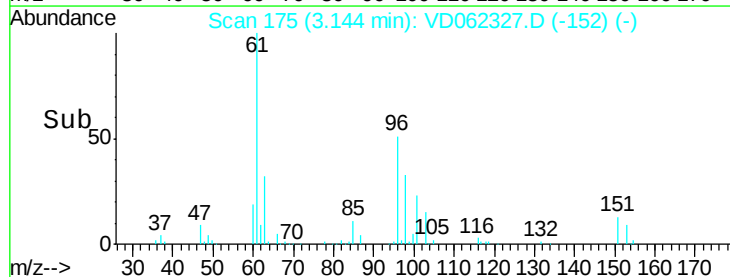
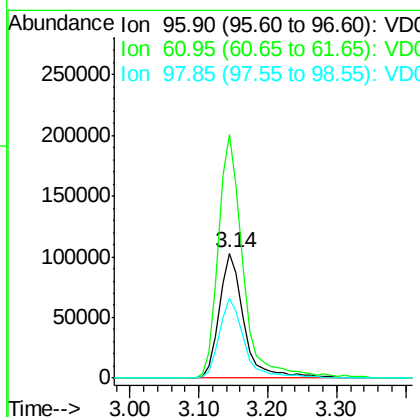
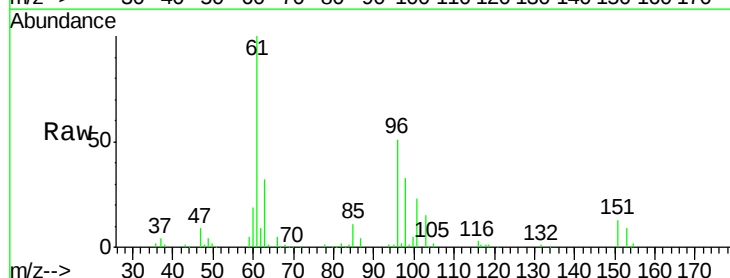
MMDadoda
5/14/2019 9:50:50 AM

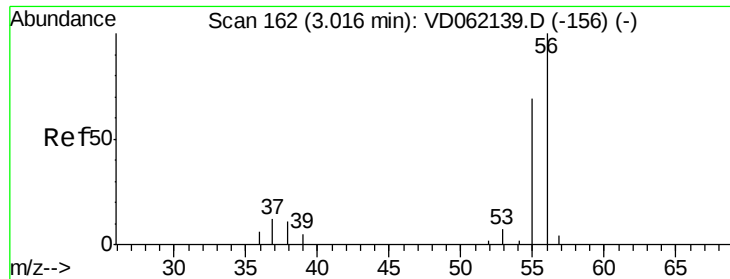


#12

1,1-Dichloroethene
Concen: 59.853 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	254593		
61	195.4		129.8	194.8#
98	63.6		51.2	76.8





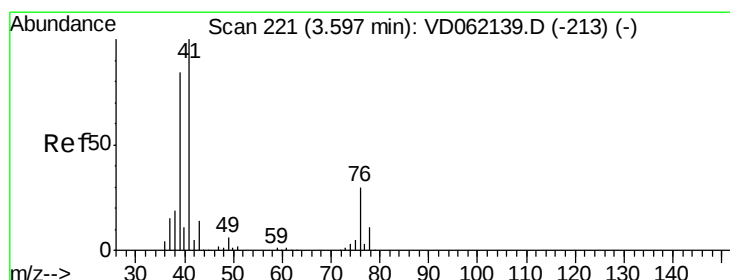
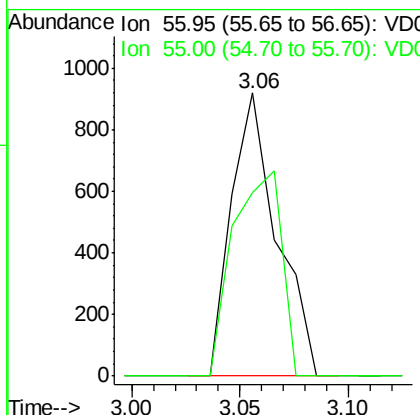
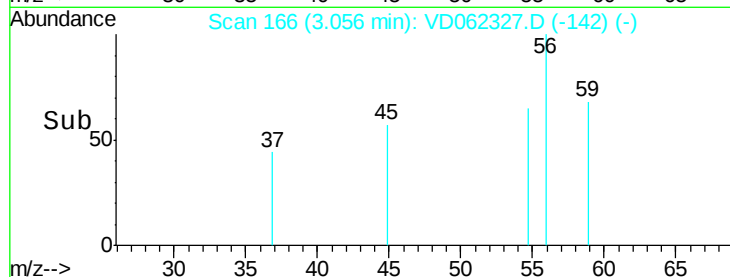
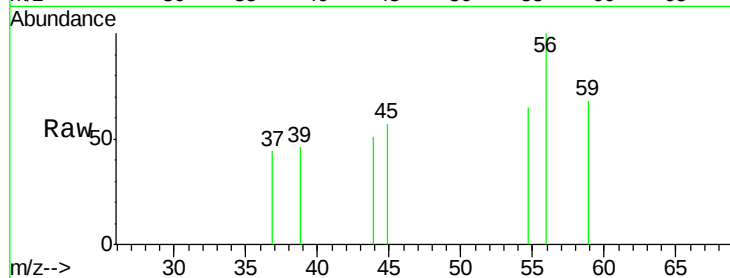
#13
Acrolein
Concen: 4.929 ug/l
RT: 3.06 min Scan# 166
Delta R.T. 0.04 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion: 56 Resp: 1349
Ion Ratio Lower Upper
56 100
55 64.7 51.4 77.2

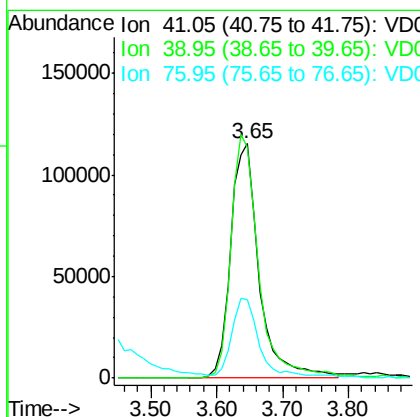
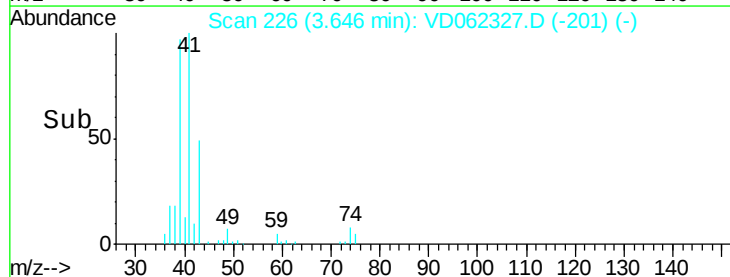
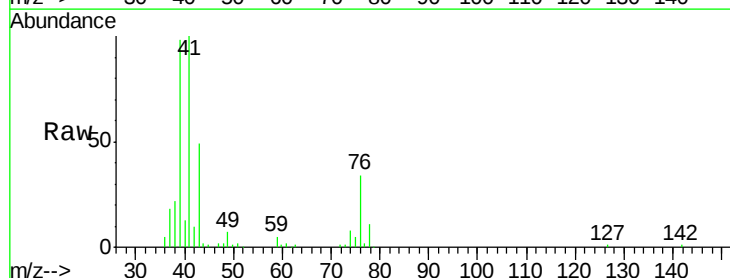
Manual Integrations
APPROVED

MMDadoda
5/14/2019 9:50:50 AM



#14
Allyl chloride
Concen: 56.619 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 41 Resp: 350174
Ion Ratio Lower Upper
41 100
39 98.2 60.5 90.7#
76 33.7 31.8 47.8





#15

Acrylonitrile

Concen: 200.233 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

Tot Ion: 53 Resp: 139276

Ion Ratio Lower Upper

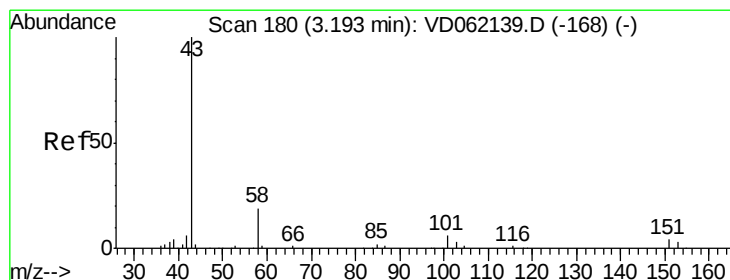
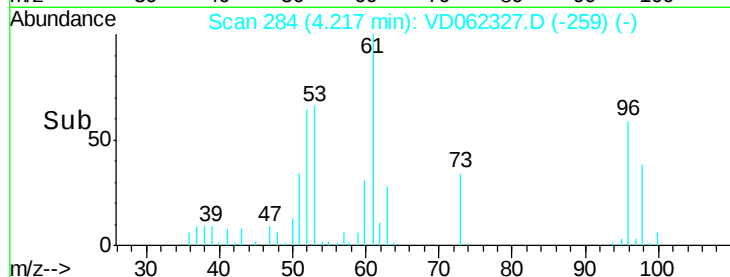
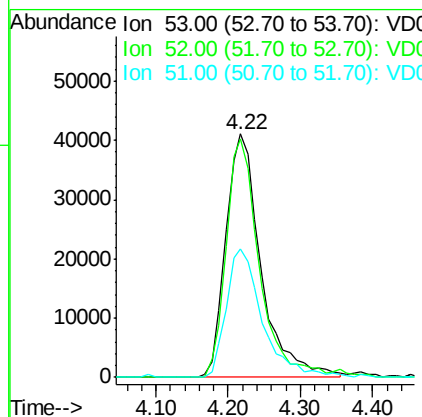
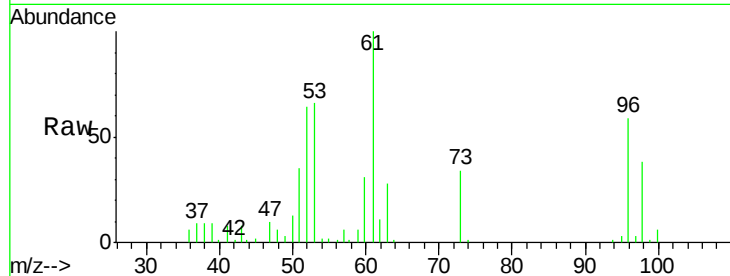
53 100

52 97.8 65.0 97.4#

51 52.8 32.6 48.8#

Manual Integrations
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MMDadoda
5/14/2019 9:50:50 AM



#16

Acetone

Concen: 177.716 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.05 min

Lab File: VD062327.D

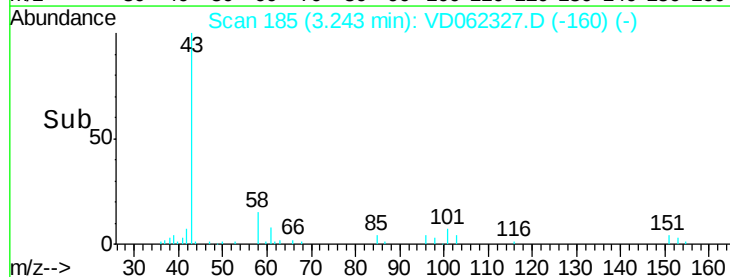
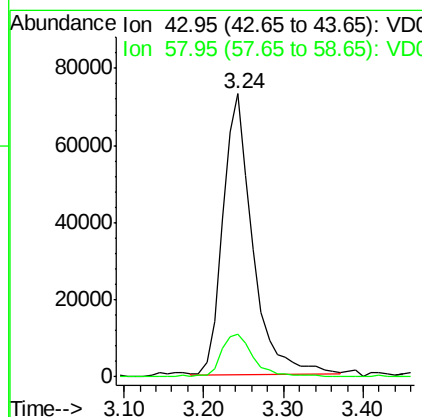
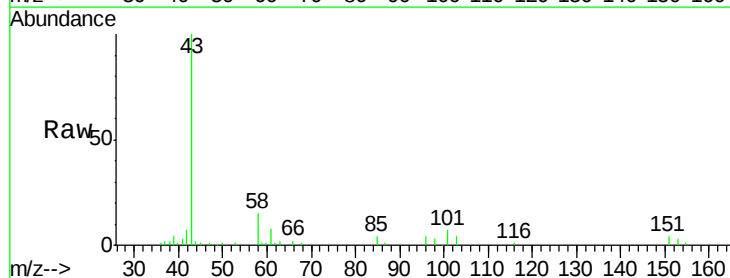
Acq: 14 May 2019 2:58

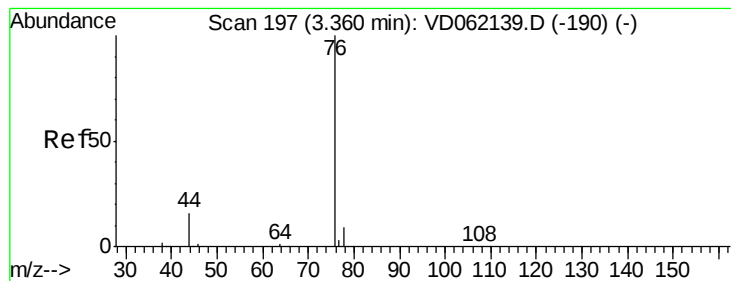
Tgt Ion: 43 Resp: 193213

Ion Ratio Lower Upper

43 100

58 15.3 19.9 29.9#





#17

Carbon Disulfide

Concen: 54.804 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.03 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

Tot Ion: 76 Resp: 670596

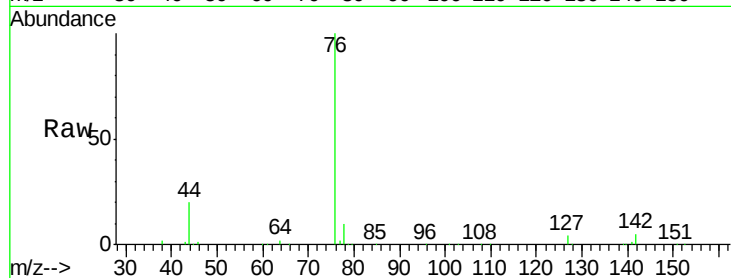
Ion Ratio Lower Upper

76 100

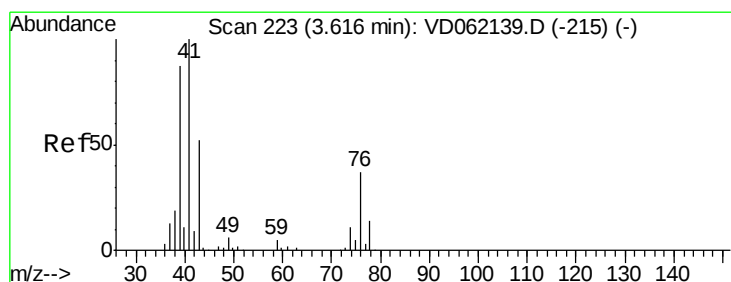
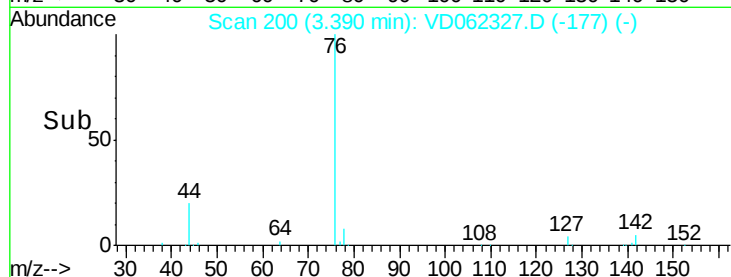
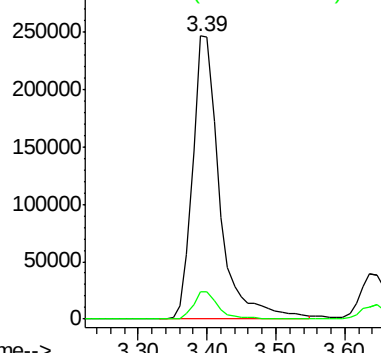
78 9.7 7.2 10.8

Manual Integrations
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MMDadoda
5/14/2019 9:50:50 AM



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 129.594 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.04 min

Lab File: VD062327.D

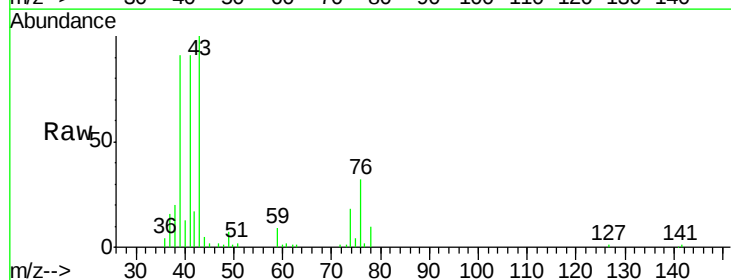
Acq: 14 May 2019 2:58

Tgt Ion: 43 Resp: 251049

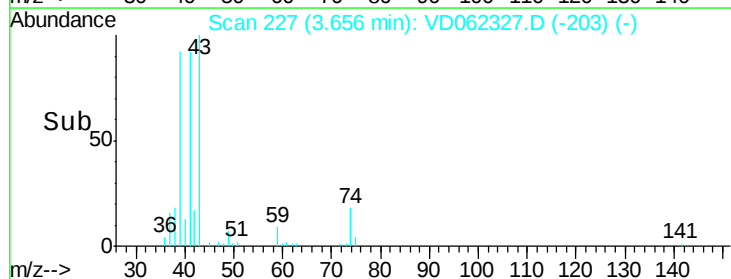
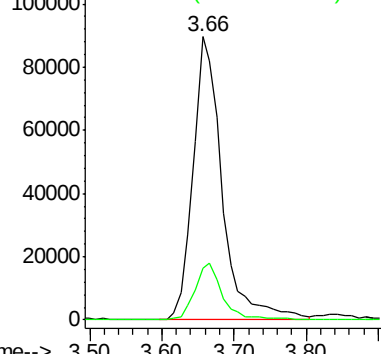
Ion Ratio Lower Upper

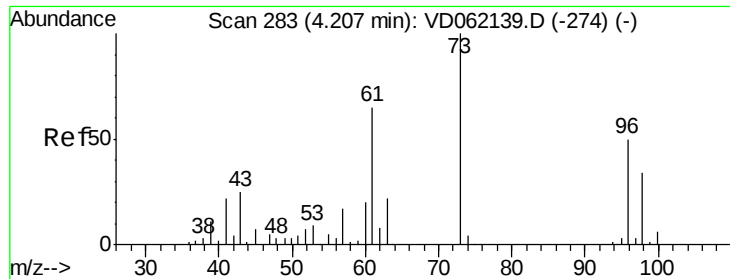
43 100

74 18.2 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC





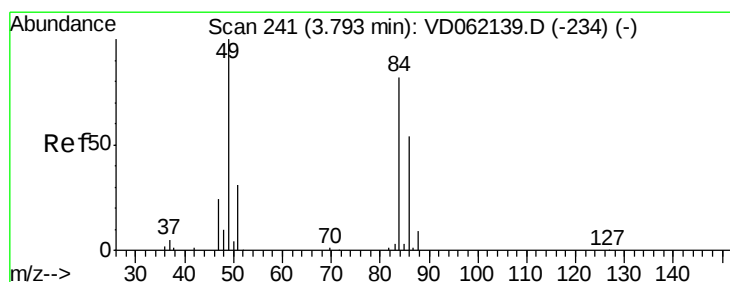
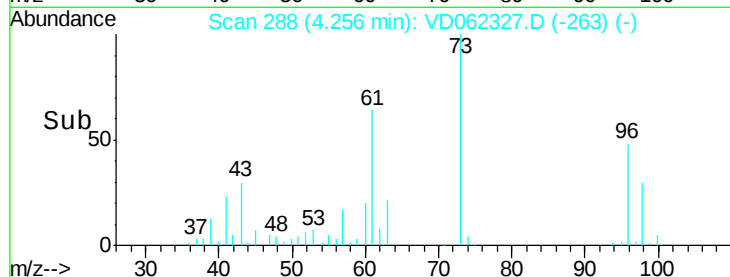
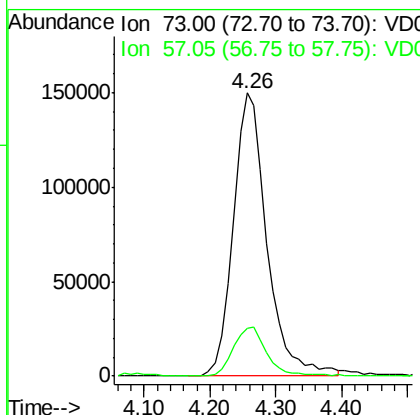
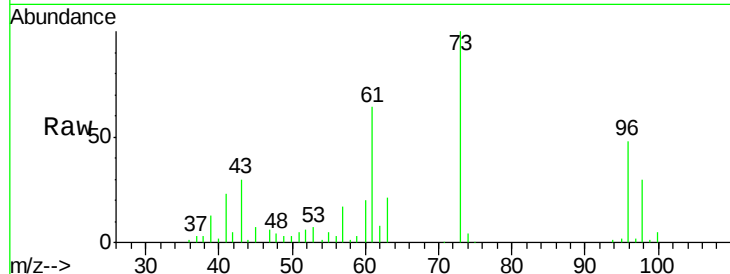
#19
Methyl tert-butyl Ether
Concen: 58.666 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion: 73 Resp: 534878
Ion Ratio Lower Upper
73 100
57 16.8 16.3 24.5

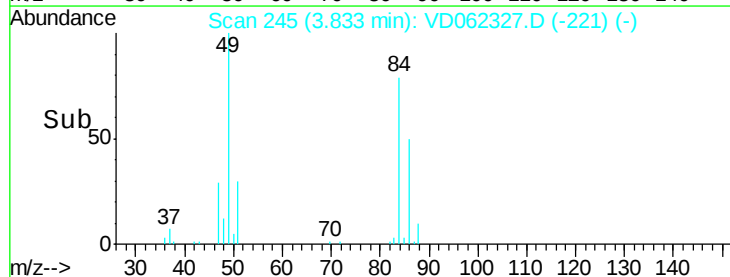
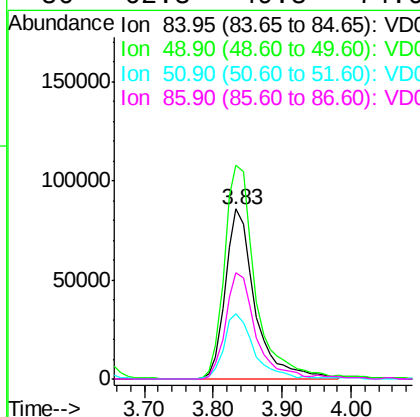
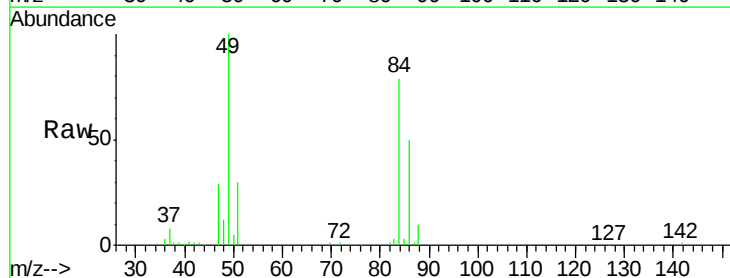
Manual Integrations
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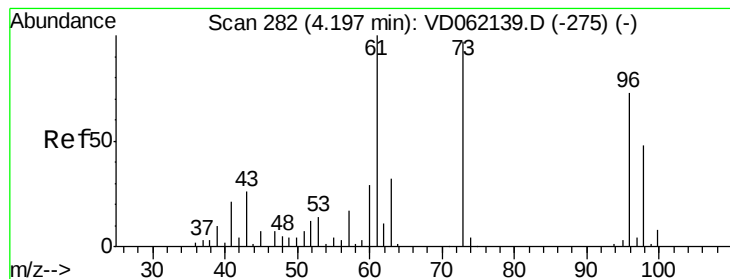
MMDadoda
5/14/2019 9:50:50 AM



#20
Methylene Chloride
Concen: 56.617 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.04 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 84 Resp: 257012
Ion Ratio Lower Upper
84 100
49 125.8 94.0 141.0
51 38.1 29.0 43.4
86 62.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 61.754 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

Tot Ion: 96 Resp: 292300

Ion Ratio Lower Upper

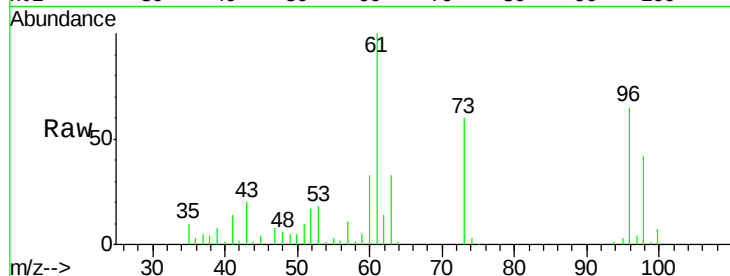
96 100

61 153.0 104.4 156.6

98 64.4 51.8 77.8

Manual Integrations
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MMDadoda
5/14/2019 9:50:50 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

200000

150000

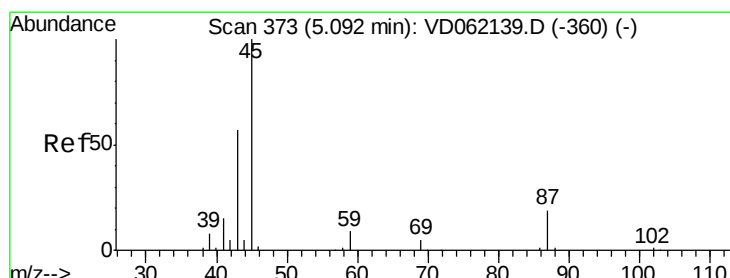
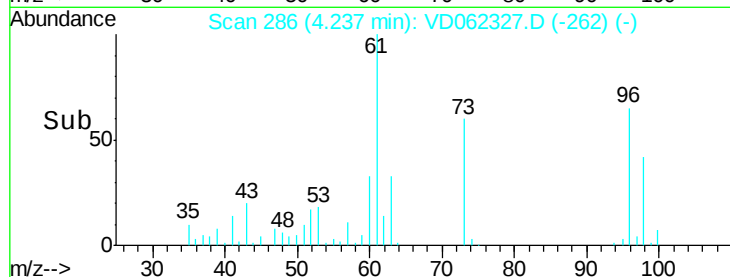
100000

50000

0

4.10 4.20 4.30 4.40

Time-->



#22

Diisopropyl ether

Concen: 58.240 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Tgt Ion: 45 Resp: 766504

Ion Ratio Lower Upper

45 100

43 49.8 46.2 69.2

87 20.2 15.9 23.9

59 9.0 7.9 11.9

Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

300000

250000

200000

150000

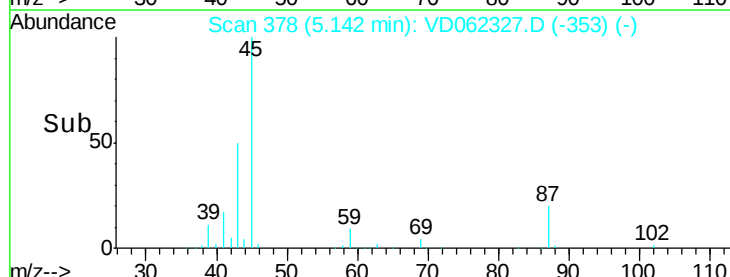
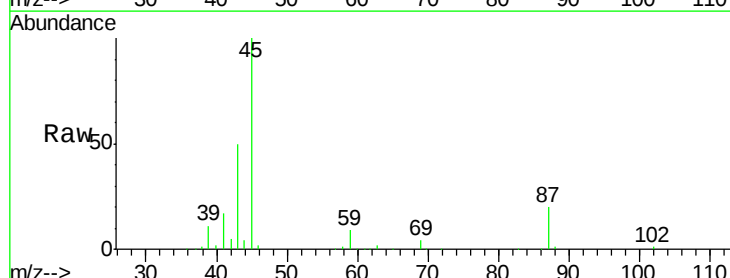
100000

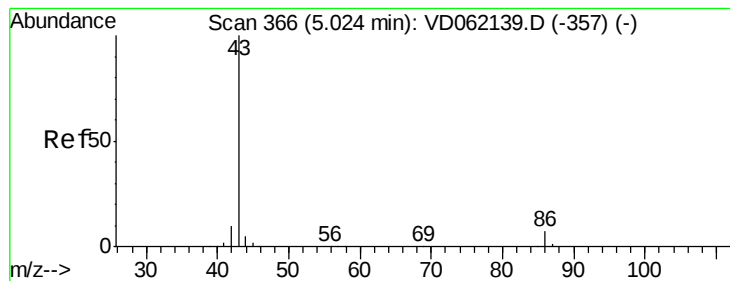
50000

0

5.00 5.10 5.20 5.30

Time-->





#23

Vinyl Acetate

Concen: 81.827 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.12 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

Tot Ion: 43 Resp: 568198

Ion Ratio Lower Upper

43 100

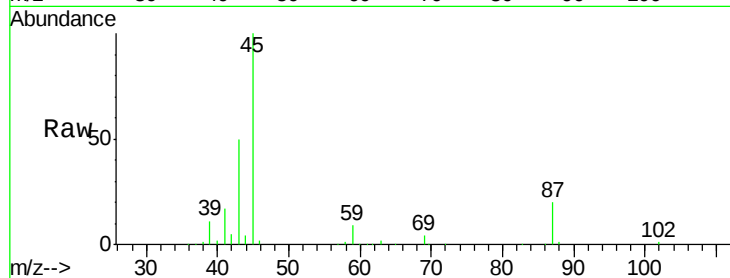
86 0.9 6.4 9.6#

Manual Integrations

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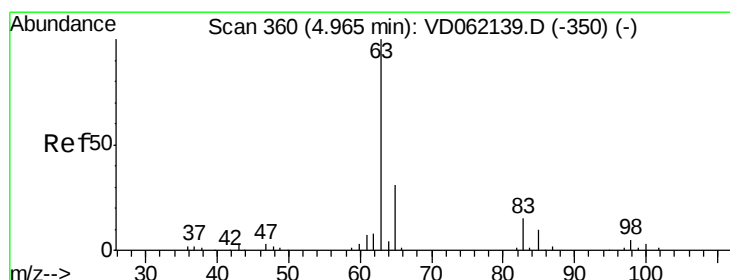
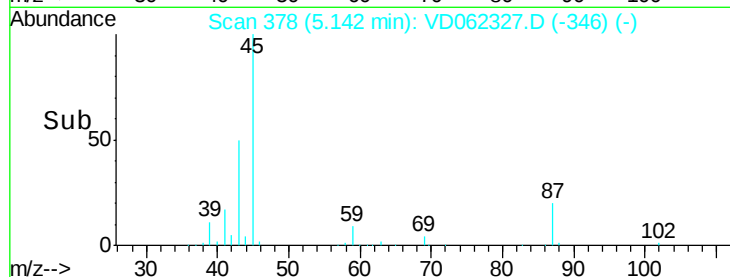
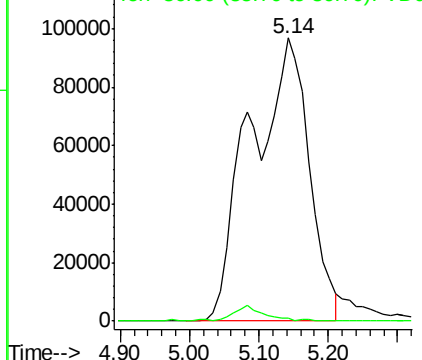
MMDadoda

5/14/2019 9:50:50 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 62.037 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

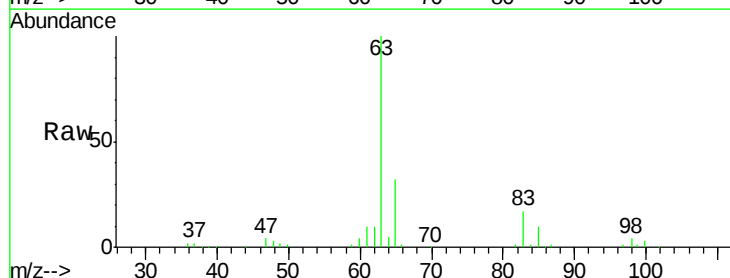
Tgt Ion: 63 Resp: 492549

Ion Ratio Lower Upper

63 100

98 4.3 2.8 8.4

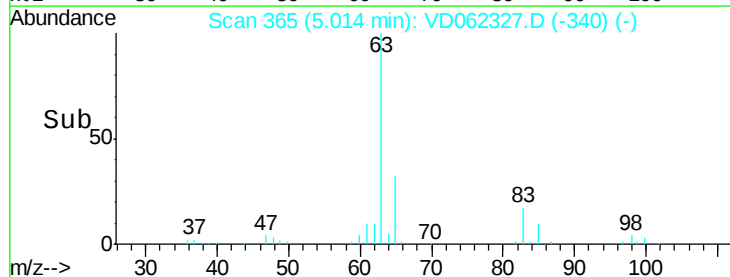
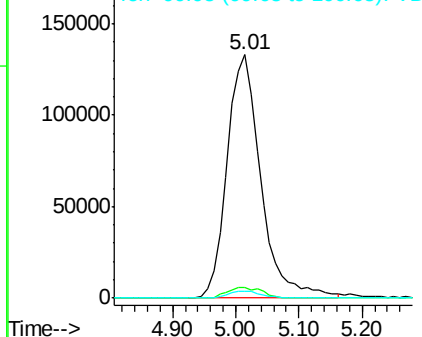
100 3.0 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 186.669 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

Tot Ion: 43 Resp: 221367

Ion Ratio Lower Upper

43 100

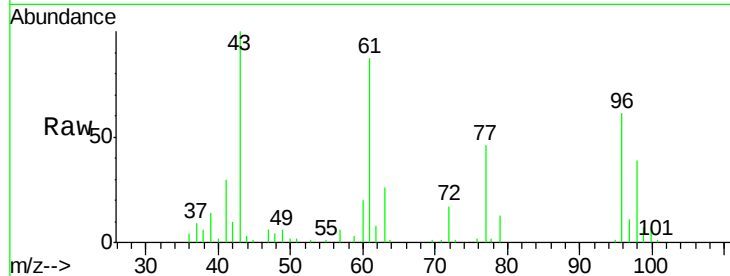
72 17.1 16.2 24.4

Manual Integrations

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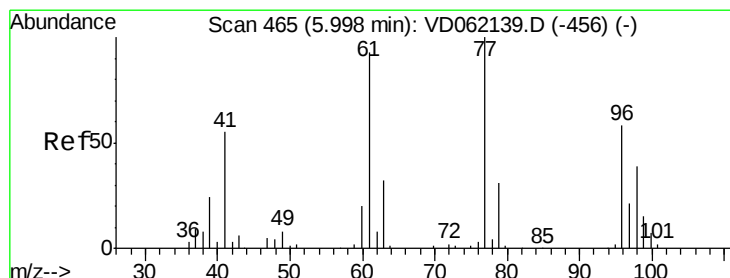
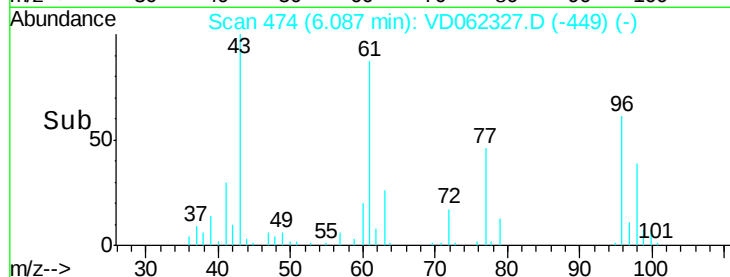
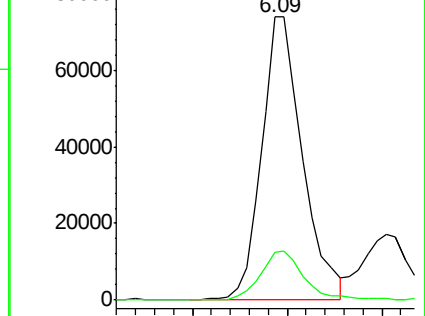
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 59.155 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.05 min

Lab File: VD062327.D

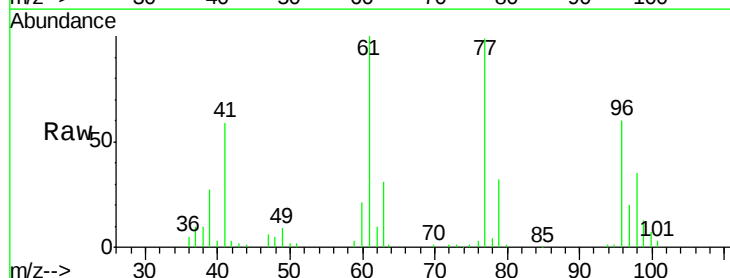
Acq: 14 May 2019 2:58

Tgt Ion: 77 Resp: 467842

Ion Ratio Lower Upper

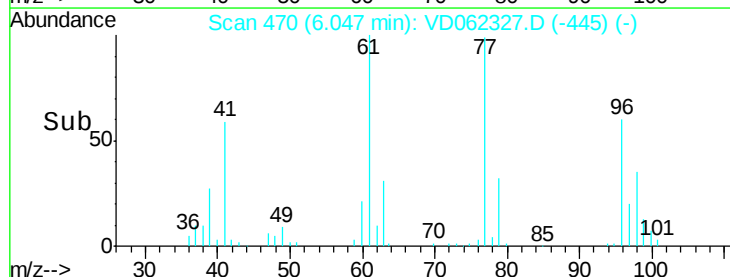
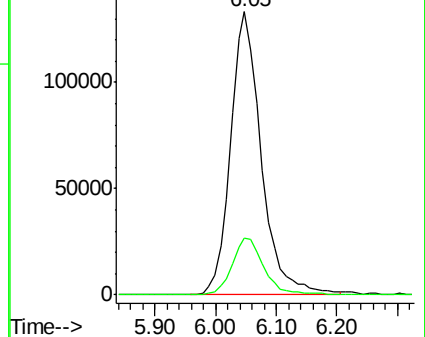
77 100

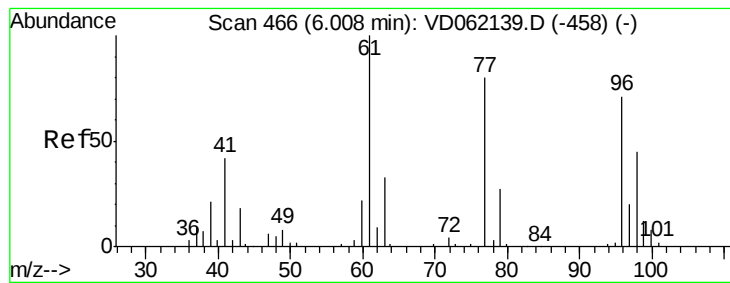
97 20.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

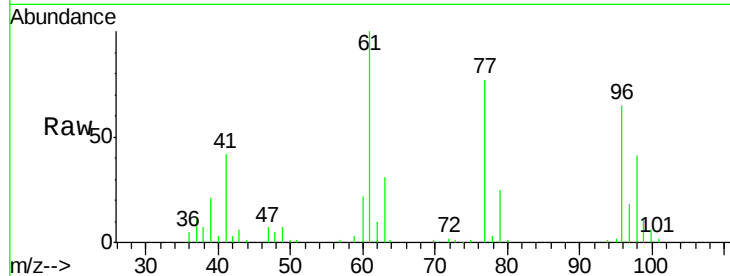
cis-1,2-Dichloroethene
Concen: 59.181 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

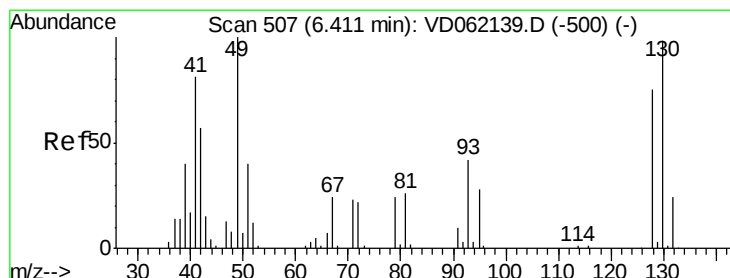
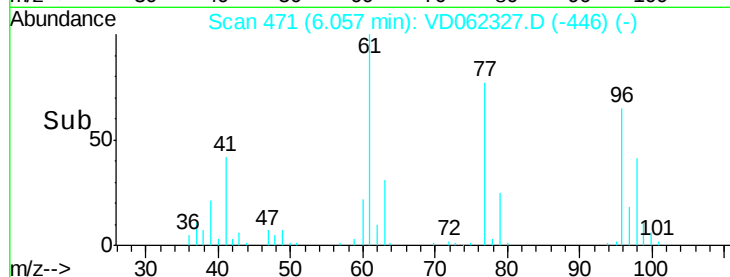
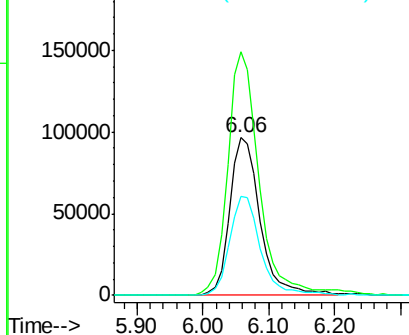
Tot Ion	Ratio	Resp	Lower	Upper
96	100	313546		
61	154.4	0.0	279.8	
98	62.9	0.0	136.0	

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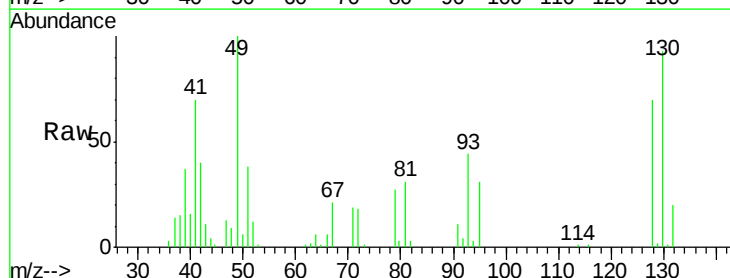
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



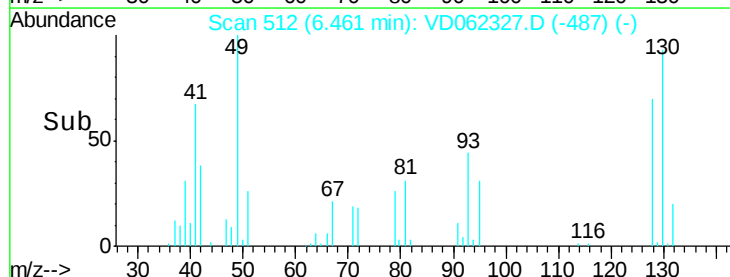
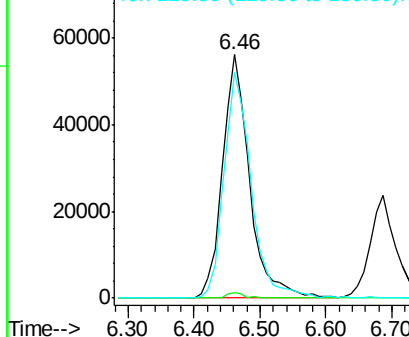
#28

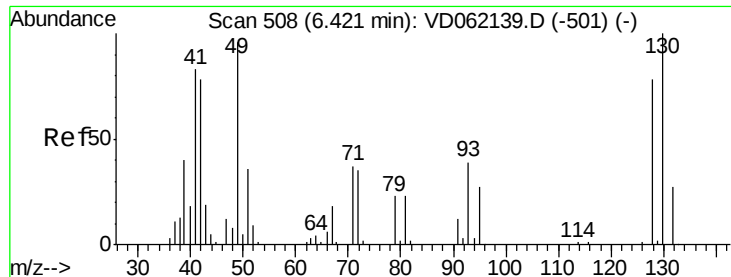
Bromochloromethane
Concen: 51.854 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	161975		
129	2.1	0.0	6.6	
130	92.8	86.7	130.1	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





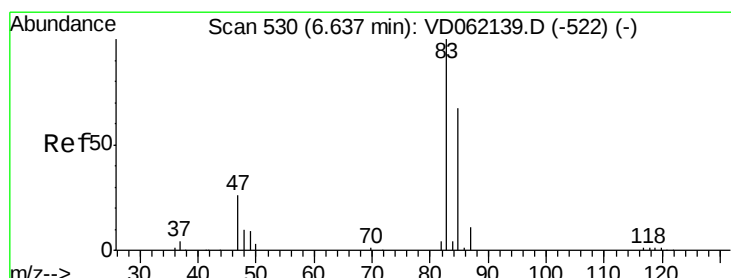
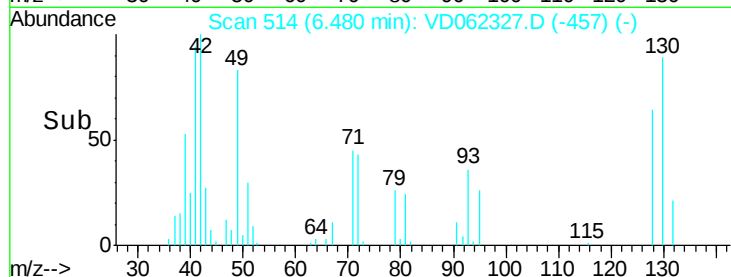
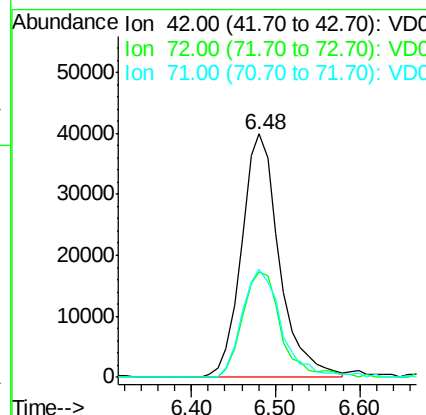
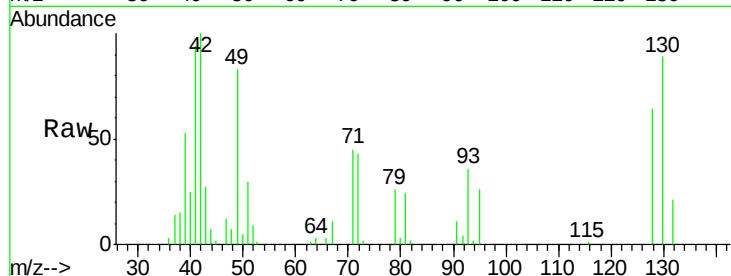
#29
Tetrahydrofuran
Concen: 229.614 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.06 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	37.8	56.6
71	46.5	36.7	55.1

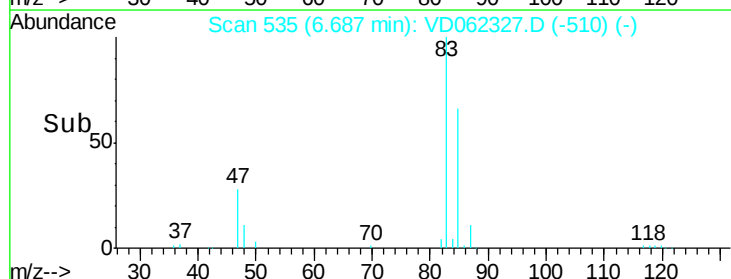
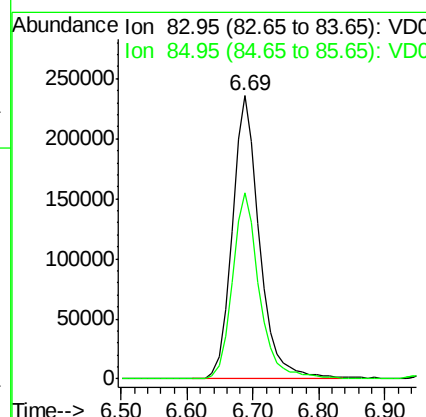
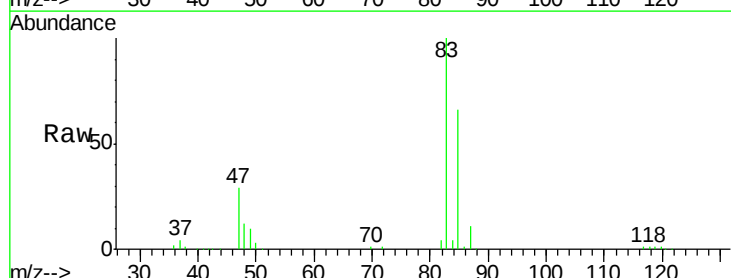
Manual Integrations
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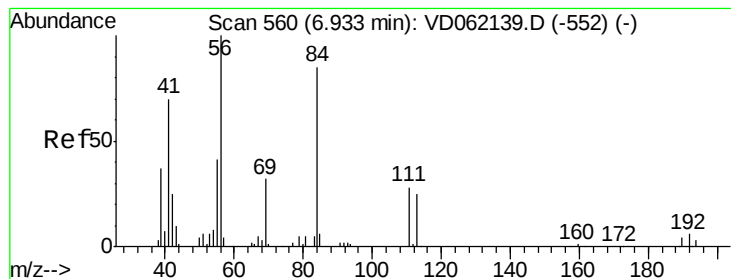
MMDadoda
5/14/2019 9:50:50 AM



#30
Chloroform
Concen: 71.183 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.7	77.5





#31

Cvclohexane

Concen: 58.714 ug/l

RT: 6.98 min Scan# 565

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

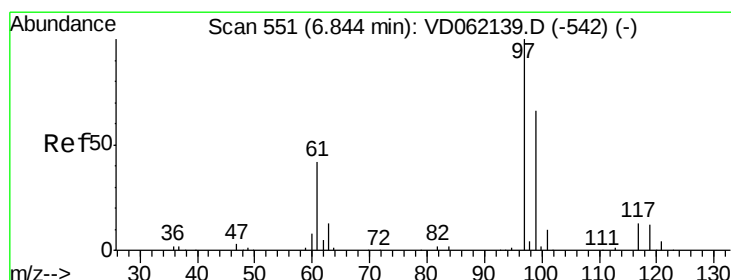
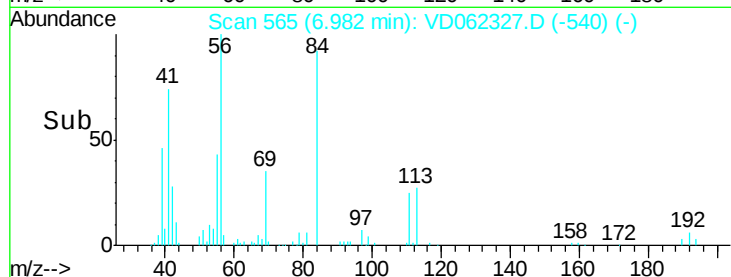
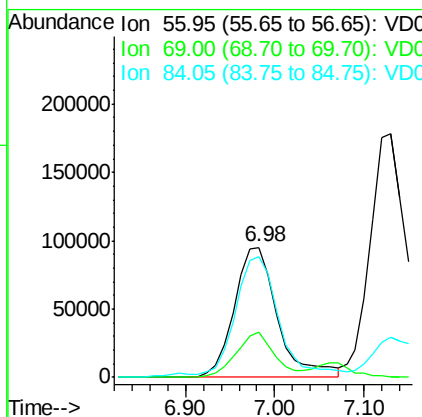
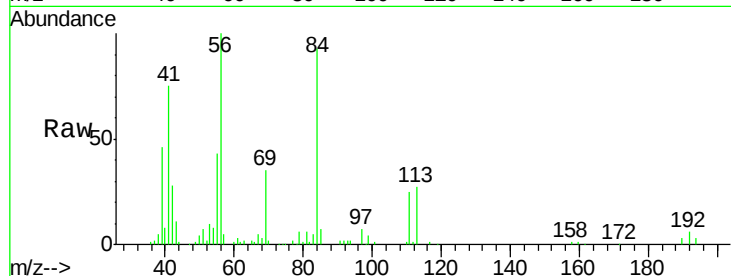
ClientSampleId :

P026-SS015-1824-01MS

Tot Ion:	56	Resp:	319369
Ion Ratio	Lower	Upper	
56	100		
69	34.5	25.8	38.6
84	93.3	72.2	108.4

Manual Integrations
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MMDadoda
5/14/2019 9:50:50 AM



#32

1,1,1-Trichloroethane

Concen: 77.948 ug/l

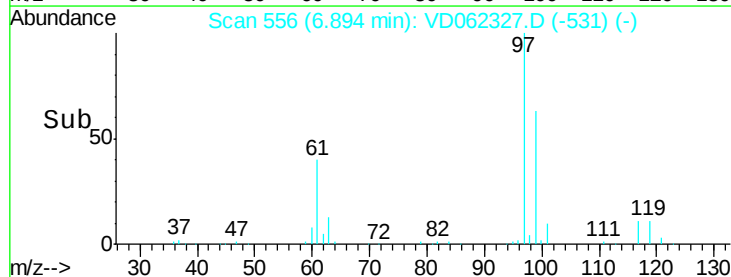
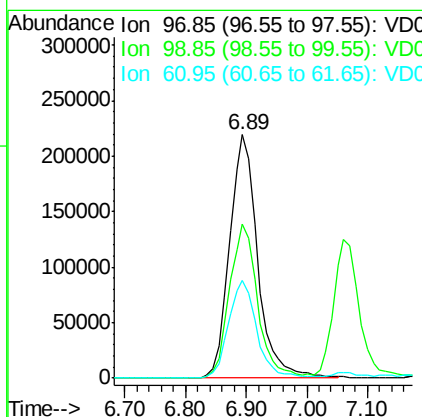
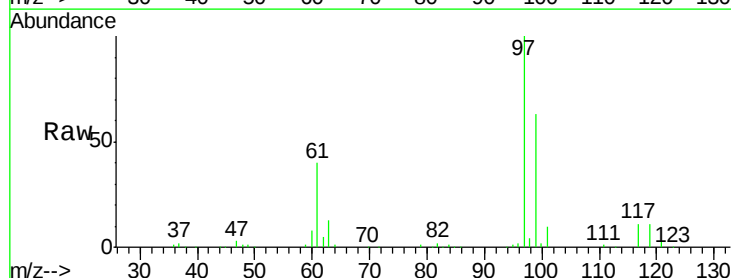
RT: 6.89 min Scan# 556

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Tgt Ion:	97	Resp:	704968
Ion Ratio	Lower	Upper	
97	100		
99	63.4	52.2	78.2
61	40.2	32.4	48.6





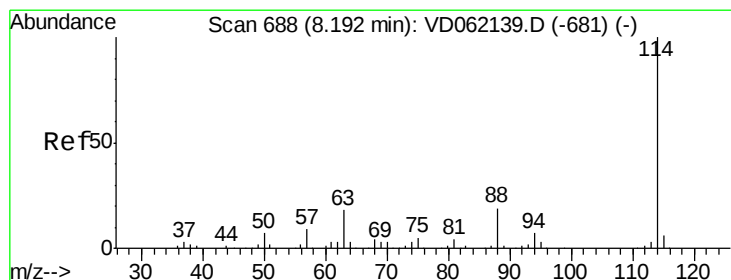
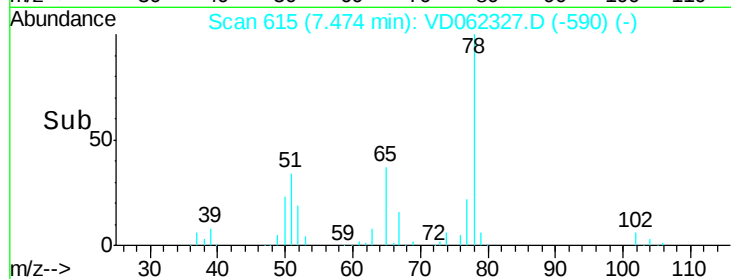
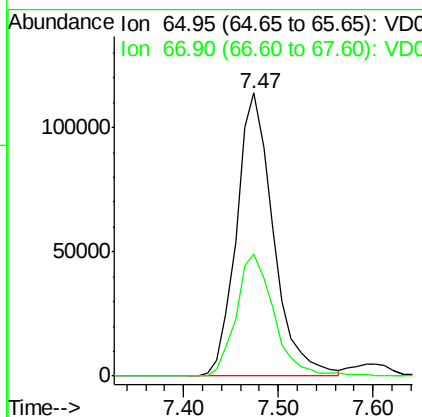
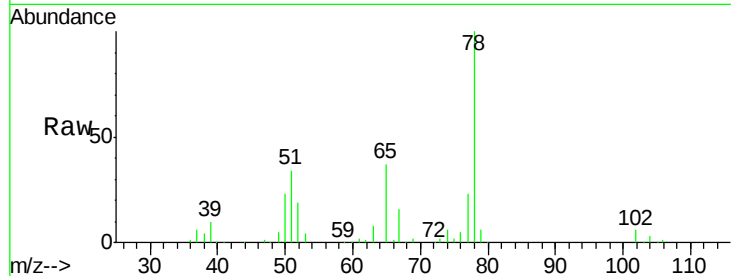
#33
 1,2-Dichloroethane-d4
 Concen: 59.389 ug/l
 RT: 7.47 min Scan# 615
 Delta R.T. 0.05 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	307893		
67	43.2	0.0	98.0	

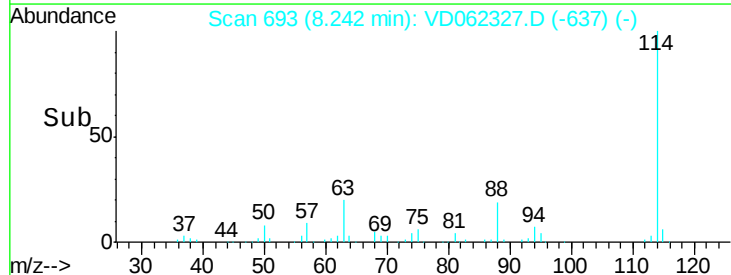
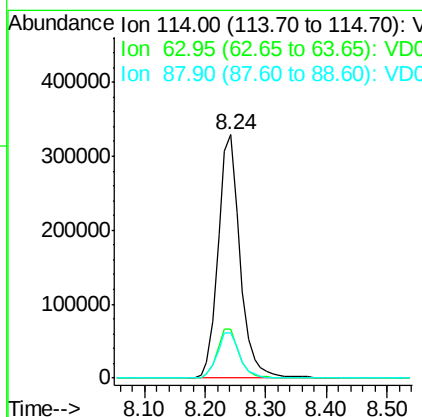
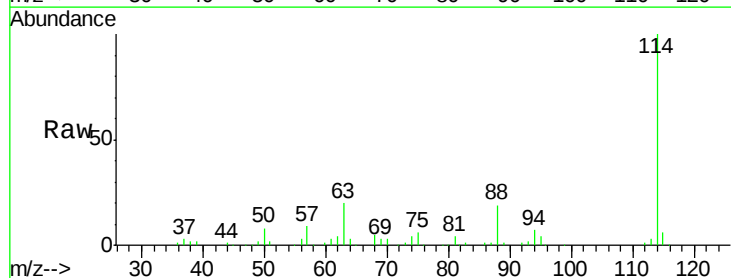
Manual Integrations
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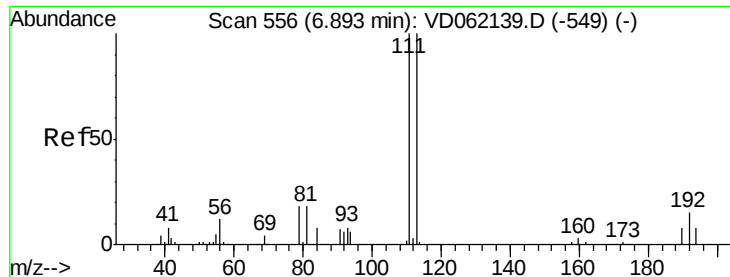
MMDadoda
 5/14/2019 9:50:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.05 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	824905		
63	19.9	0.0	32.4	
88	18.6	0.0	33.6	





#35

Dibromofluoromethane

Concen: 55.333 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

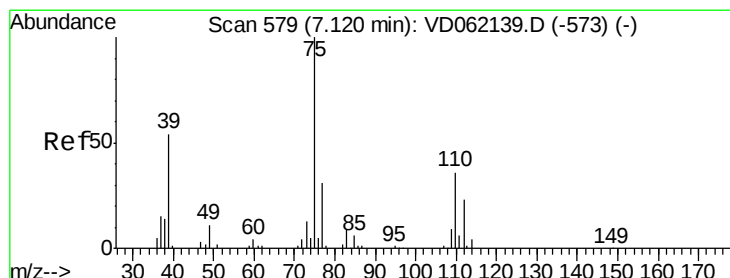
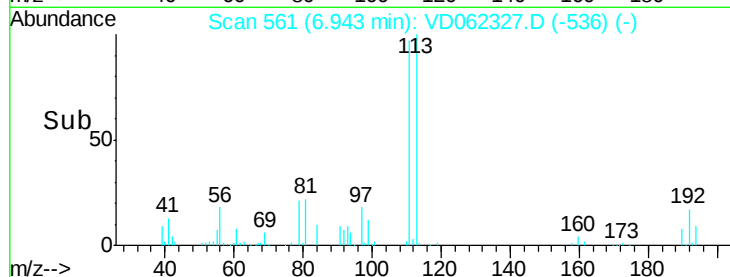
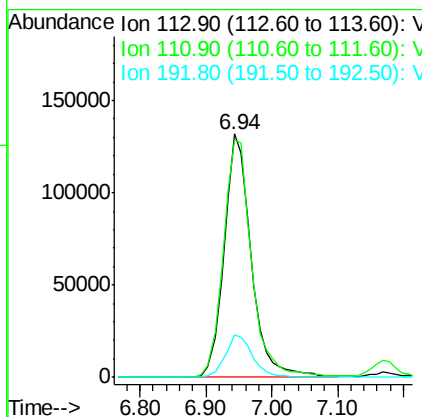
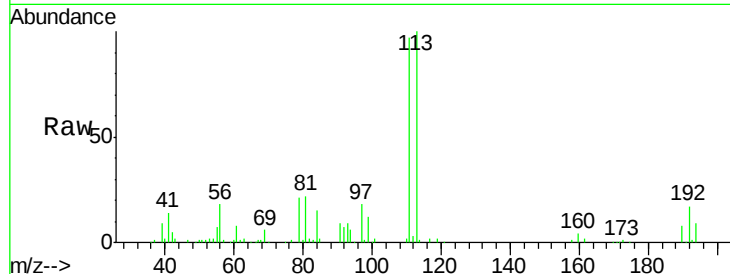
ClientSampleId :

P026-SS015-1824-01MS

Tot Ion:	113	Resp:	378718
Ion Ratio	Lower	Upper	
113	100		
111	97.2	78.5	117.7
192	17.3	13.0	19.4

Manual Integrations
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MMDadoda
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#36

1,1-Dichloropropene

Concen: 62.492 ug/l

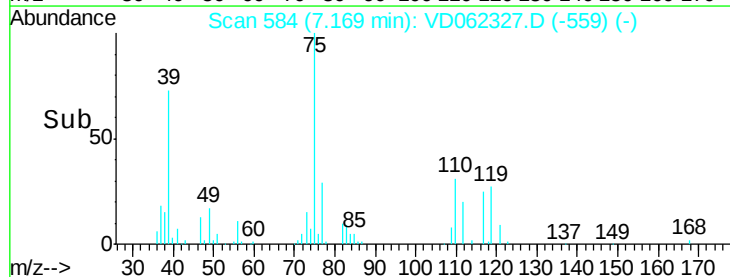
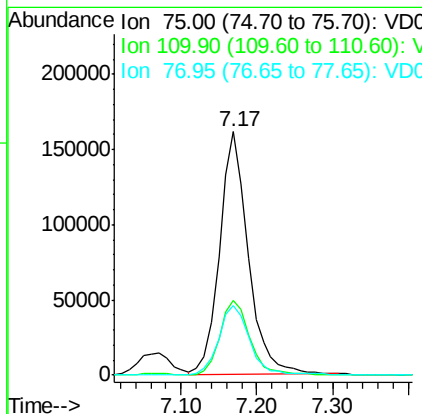
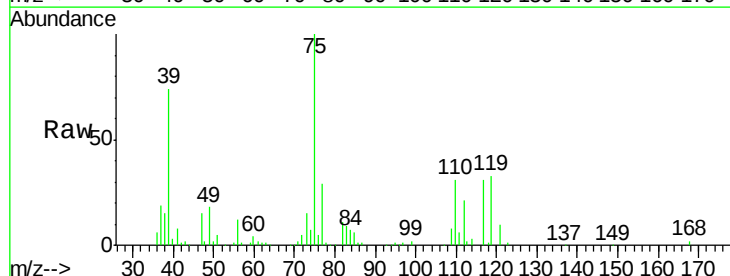
RT: 7.17 min Scan# 584

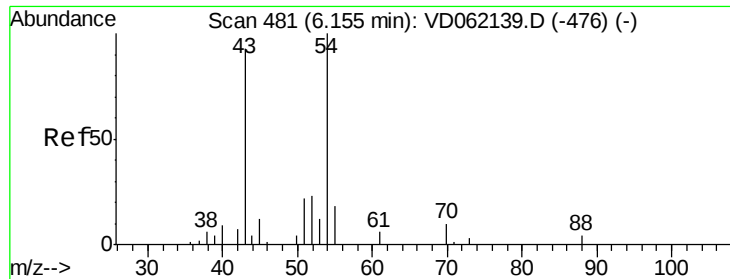
Delta R.T. 0.05 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Tgt Ion:	75	Resp:	422661
Ion Ratio	Lower	Upper	
75	100		
110	30.8	19.1	57.1
77	28.8	25.6	38.4





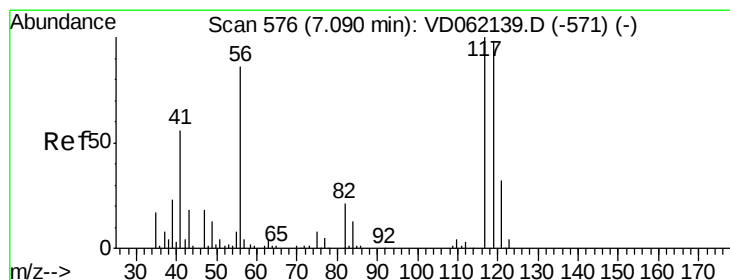
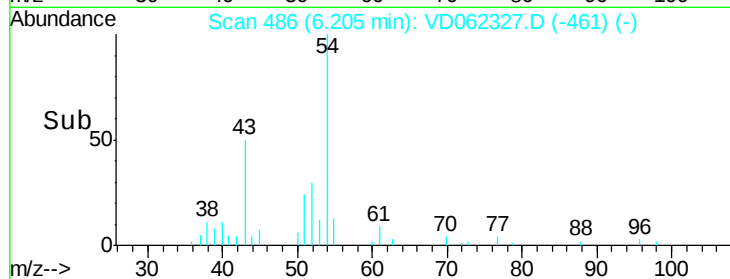
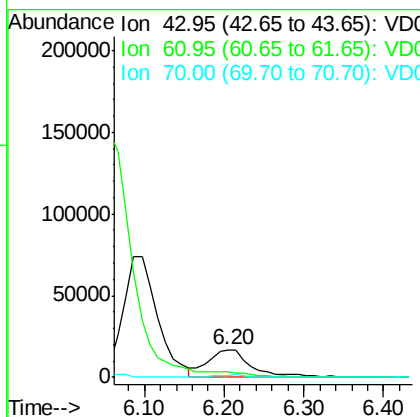
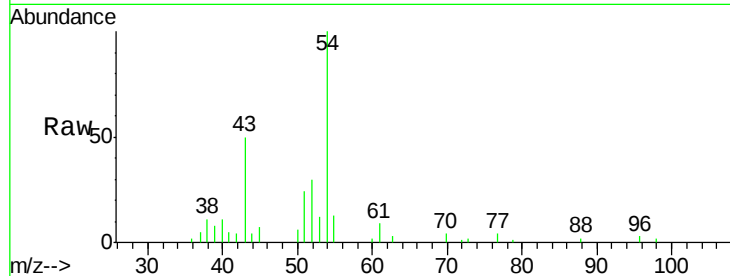
#37
Ethyl Acetate
Concen: 21.481 ug/l
RT: 6.20 min Scan# 486
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.7	22.1
70	7.4	7.8	11.6

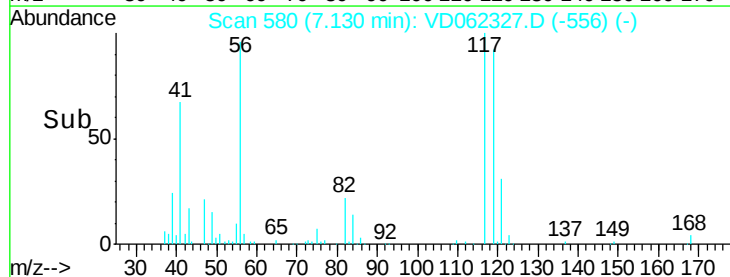
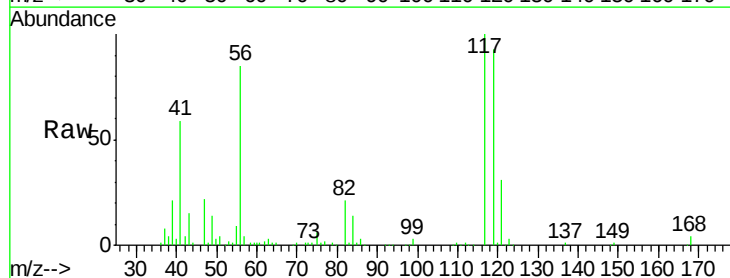
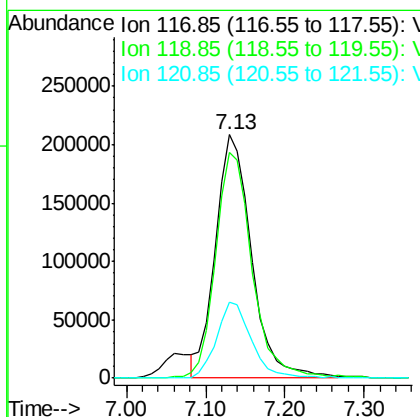
Manual Integrations
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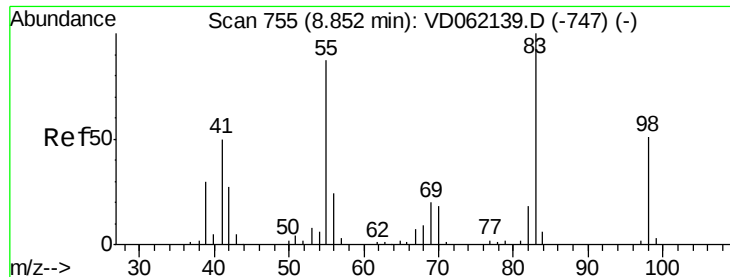
MMDadoda
5/14/2019 9:50:50 AM



#38
Carbon Tetrachloride
Concen: 71.658 ug/l m
RT: 7.13 min Scan# 580
Delta R.T. 0.04 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.8	113.8
121	31.0	25.9	38.9





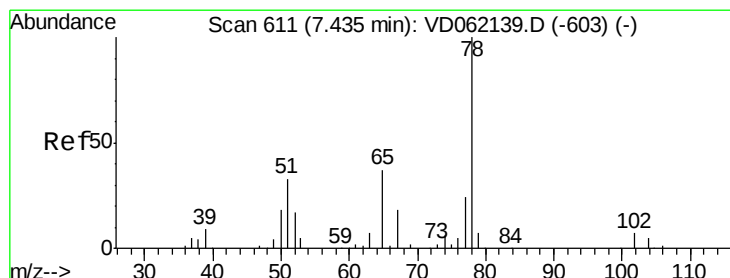
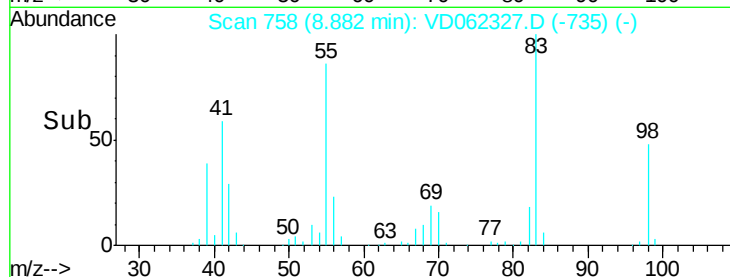
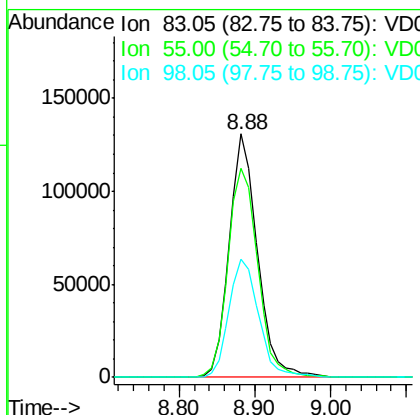
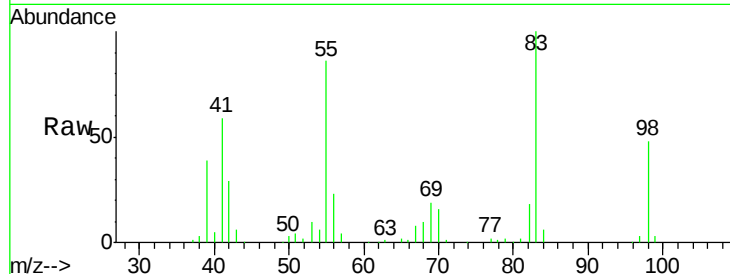
#39
Methvlcvclohexane
Concen: 52.056 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion	83	Resp	337334
Ion Ratio	100	Lower	Upper
83	100		
55	86.0	68.2	102.4
98	48.3	38.2	57.4

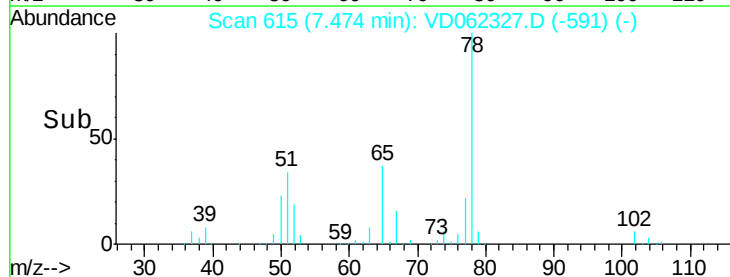
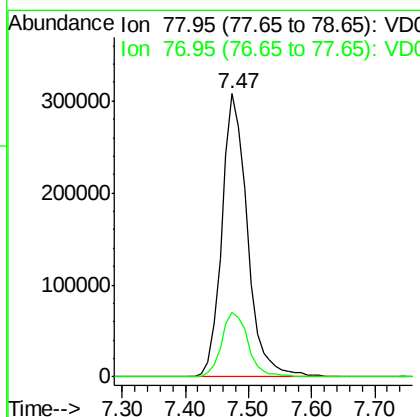
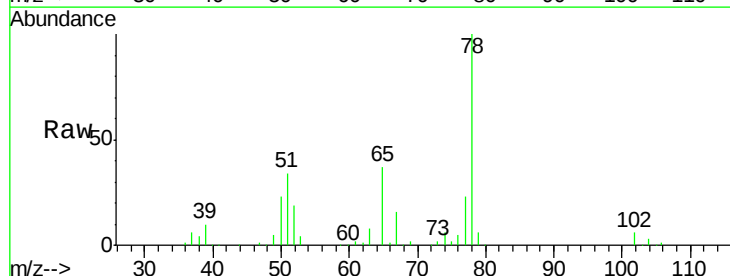
Manual Integrations
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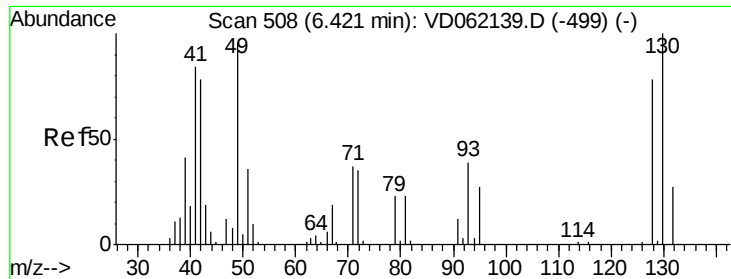
MMDadoda
5/14/2019 9:50:50 AM



#40
Benzene
Concen: 56.728 ug/l
RT: 7.47 min Scan# 615
Delta R.T. 0.04 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	78	Resp	866385
Ion Ratio	100	Lower	Upper
78	100		
77	22.7	19.7	29.5





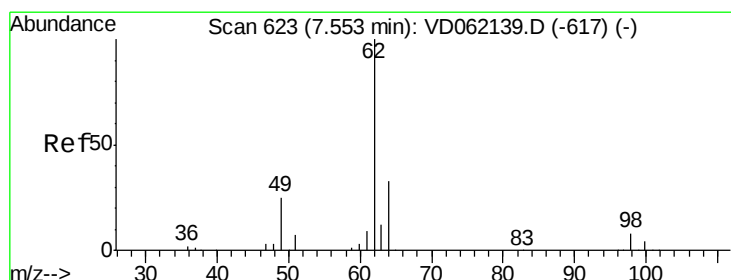
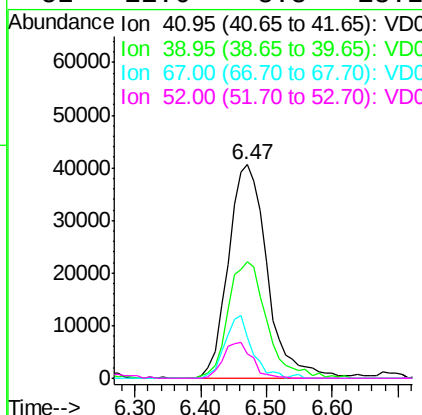
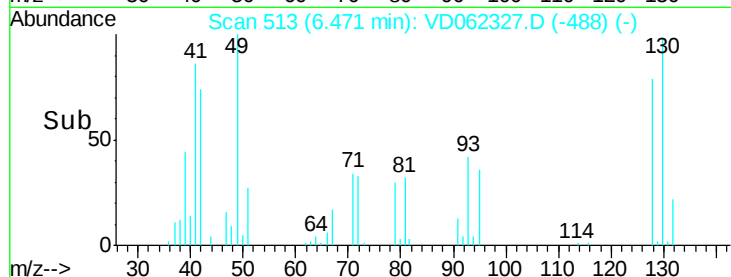
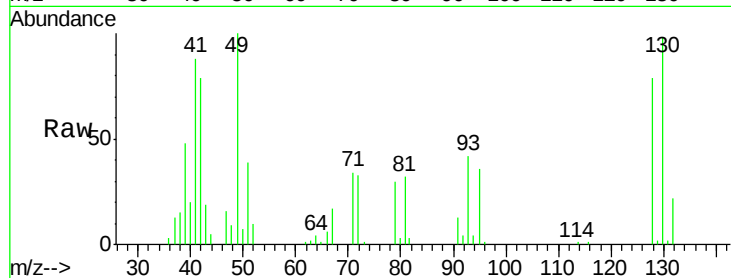
#41
Methacrylonitrile
Concen: 47.853 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	34.1	51.1#
67	19.4	23.8	35.6#
52	11.6	8.8	13.2

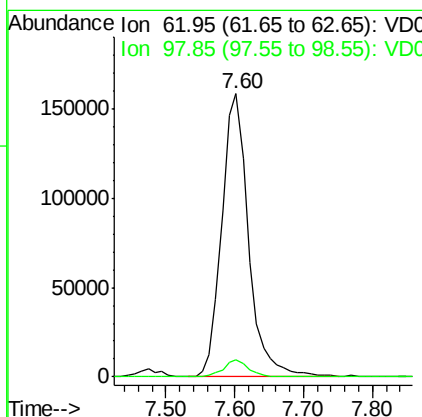
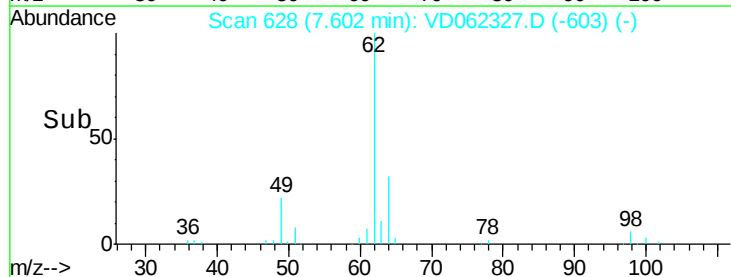
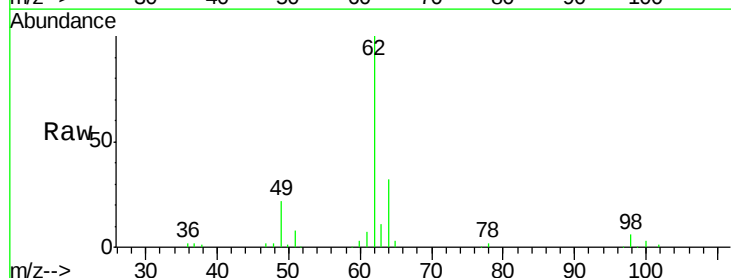
Manual Integrations
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5/14/2019 9:50:50 AM



#42
1,2-Dichloroethane
Concen: 66.206 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.05 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.0	0.0	17.8





#43

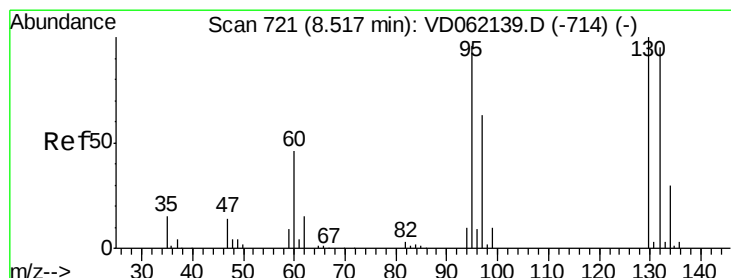
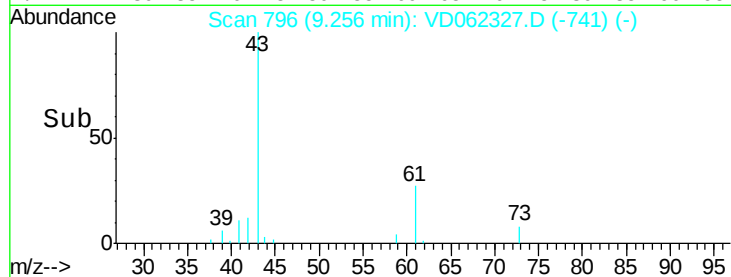
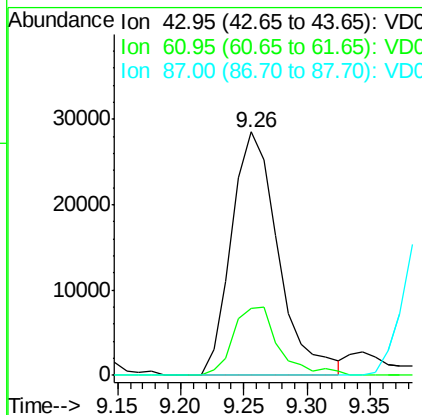
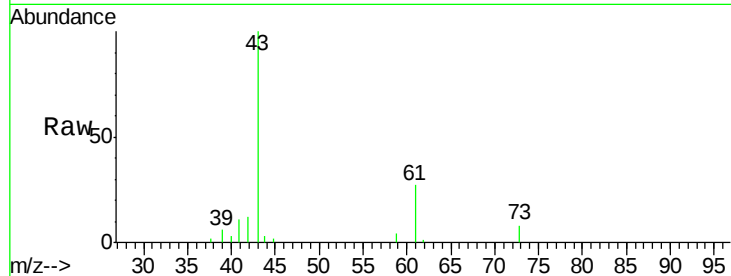
Isopropyl Acetate
 Concen: 18.091 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.04 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	25.1	37.7
87	0.0	0.0	0.0

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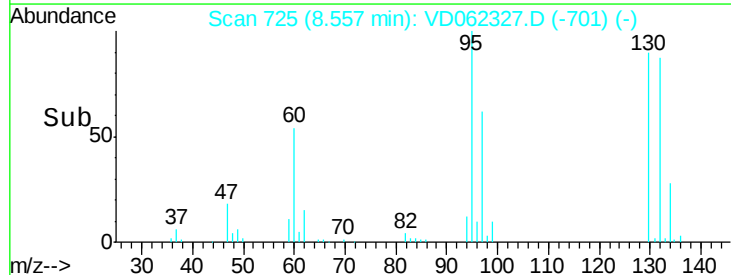
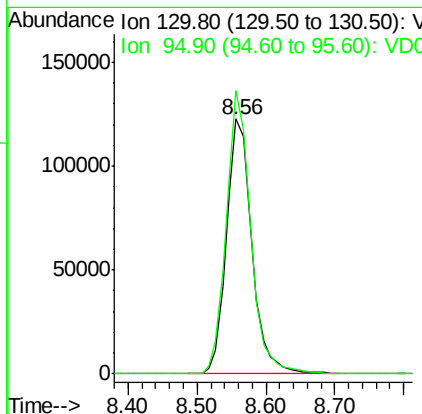
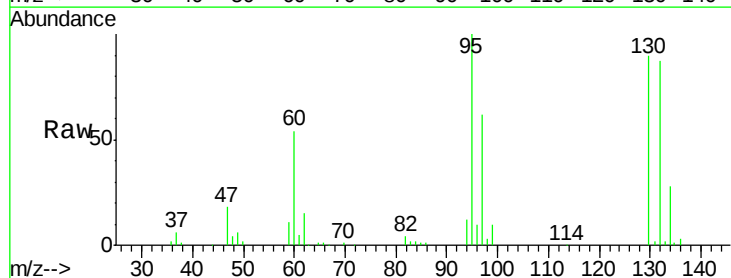
MMDadoda
 5/14/2019 9:50:50 AM

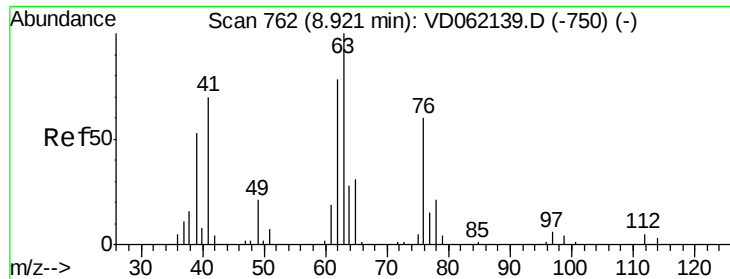


#44

Trichloroethene
 Concen: 53.824 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.04 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.9	0.0	174.0





#45

1,2-Dichloropropane

Concen: 56.062 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

Tot Ion: 63 Resp: 211784

Ion Ratio Lower Upper

63 100

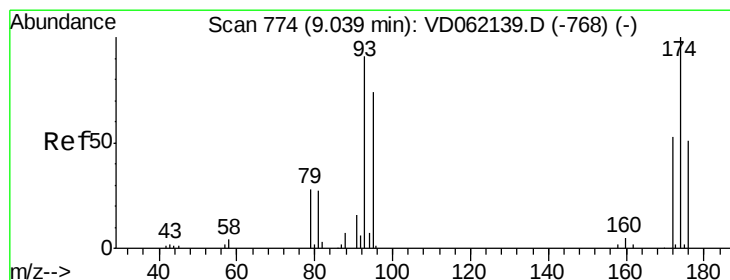
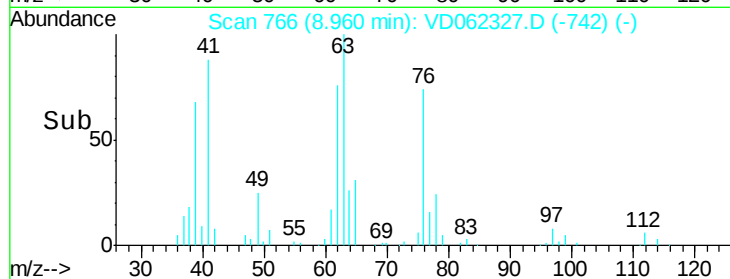
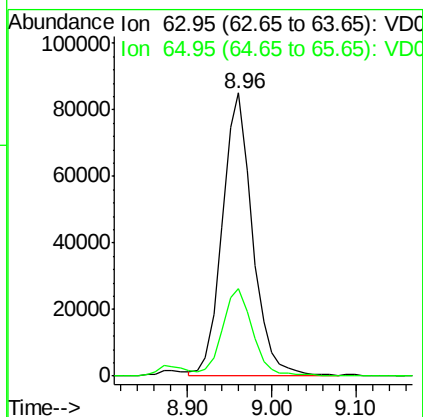
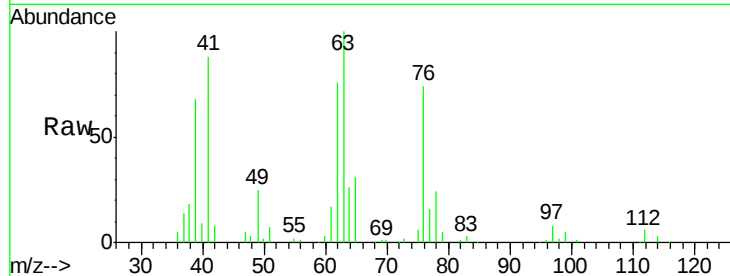
65 30.7 23.8 35.6

Manual Integrations

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5/14/2019 9:50:50 AM



#46

Dibromomethane

Concen: 56.755 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

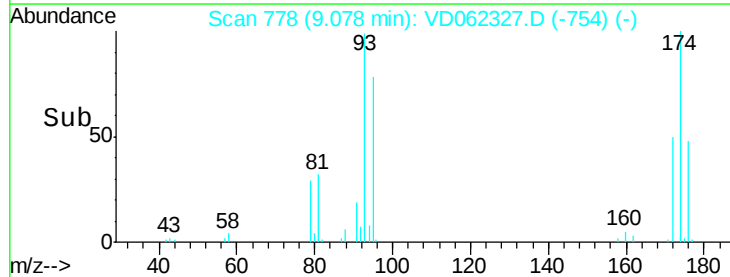
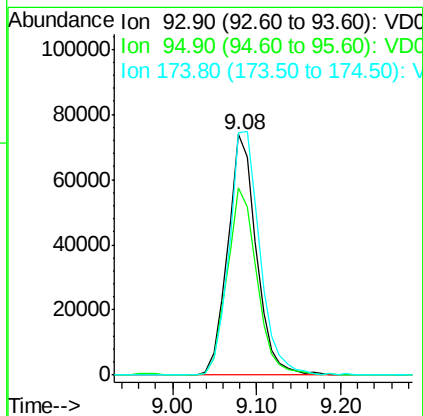
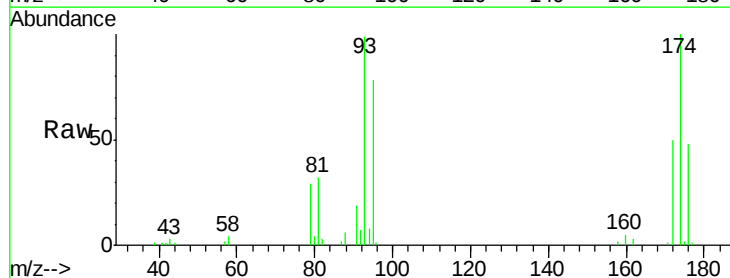
Tgt Ion: 93 Resp: 174351

Ion Ratio Lower Upper

93 100

95 78.0 64.8 97.2

174 100.6 79.3 118.9





#47

Bromodichloromethane

Concen: 63.083 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

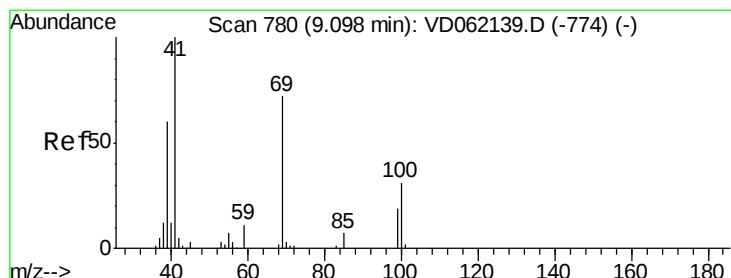
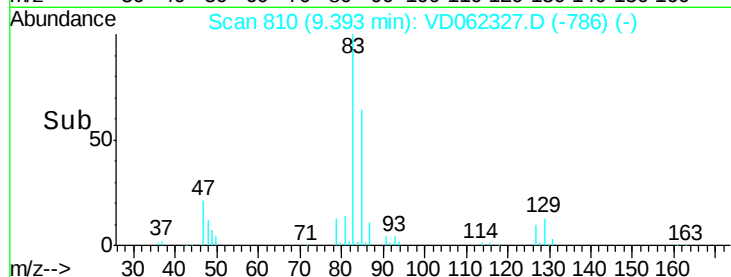
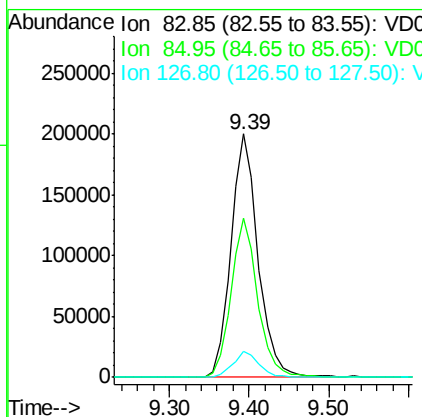
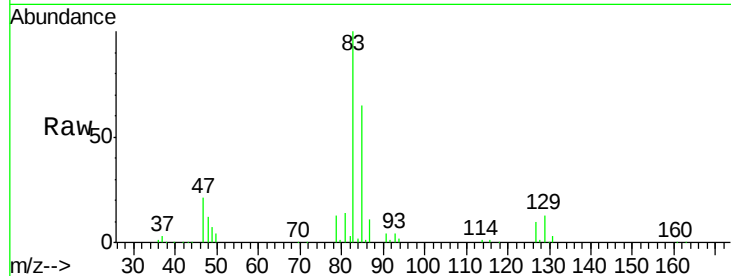
ClientSampleId :

P026-SS015-1824-01MS

Tot Ion:	83	Resp:	474017
Ion Ratio	Lower	Upper	
83	100		
85	65.3	50.9	76.3
127	10.4	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.425 ug/l

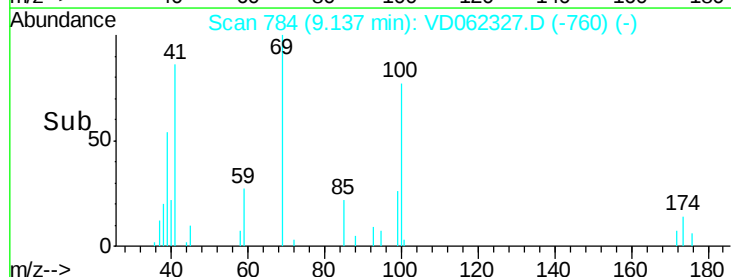
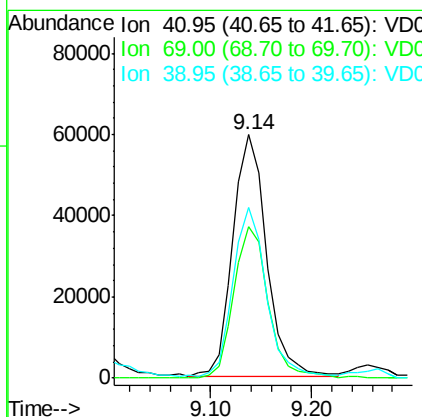
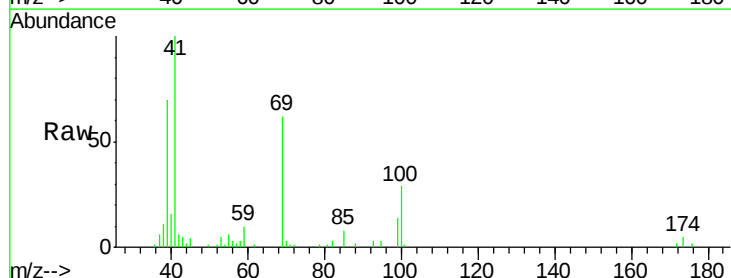
RT: 9.14 min Scan# 784

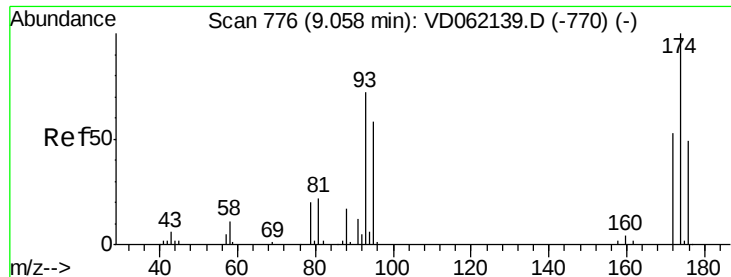
Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Tgt Ion:	41	Resp:	138874
Ion Ratio	Lower	Upper	
41	100		
69	62.0	64.2	96.2#
39	70.0	46.8	70.2





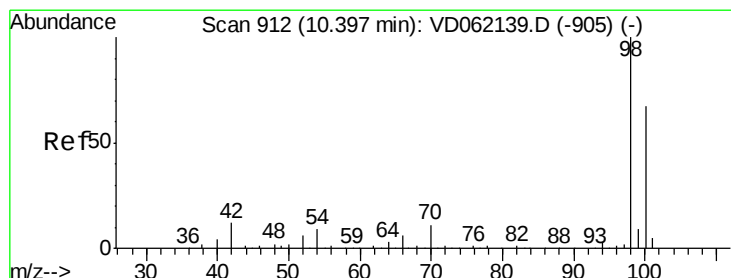
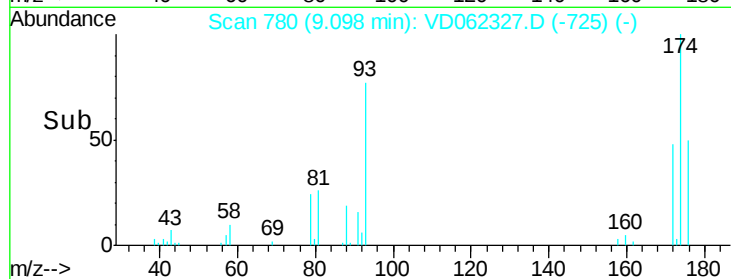
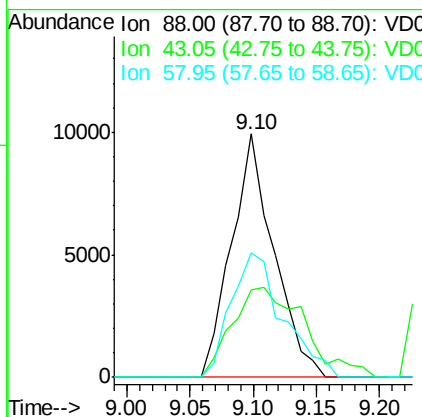
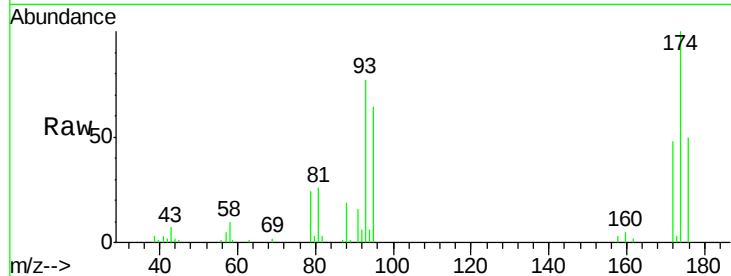
#49
 1,4-Dioxane
 Concen: 853.313 ug/l
 RT: 9.10 min Scan# 780
 Delta R.T. 0.04 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion	Ratio	Resp	Lower	Upper
88	100	23069		
43	36.0		23.4	35.0#
58	51.0		44.0	66.0

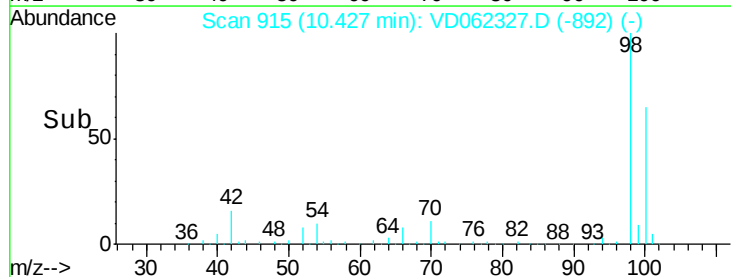
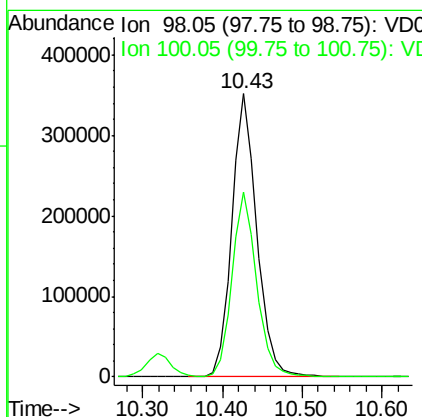
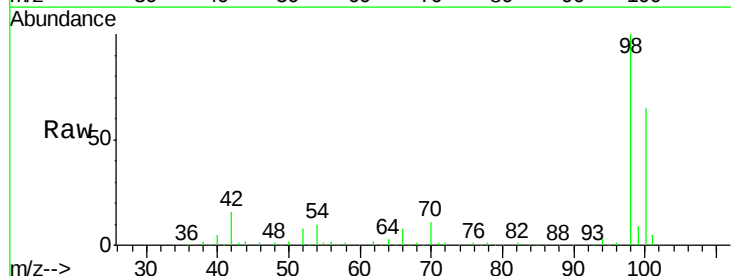
Manual Integrations
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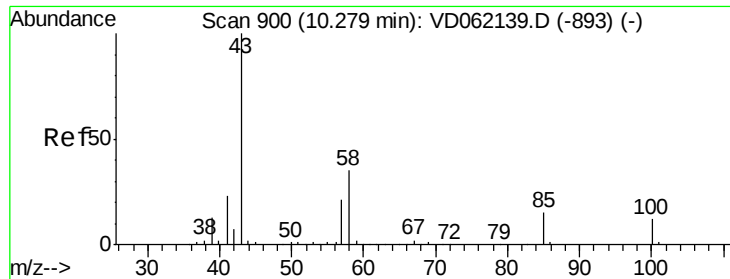
MMDadoda
 5/14/2019 9:50:50 AM



#50
 Toluene-d8
 Concen: 46.566 ug/l
 RT: 10.43 min Scan# 915
 Delta R.T. 0.03 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	768441		
100	65.3		53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 222.583 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.04 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

Tot Ion: 43 Resp: 582024

Ion Ratio Lower Upper

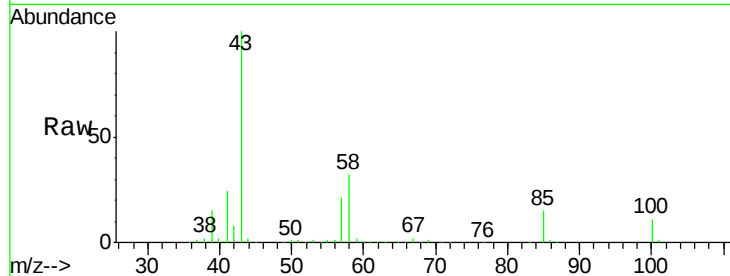
43 100

58 31.7 30.4 45.6

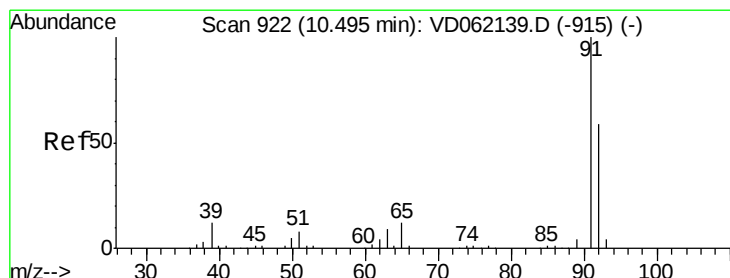
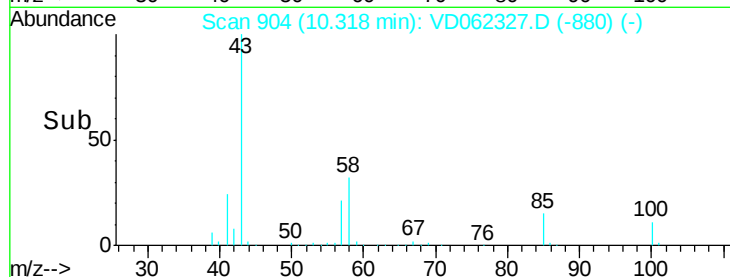
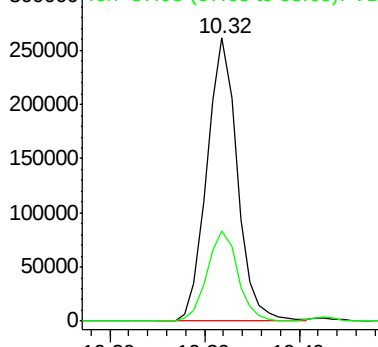
Manual Integrations
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MMDadoda

5/14/2019 9:50:50 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 57.608 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD062327.D

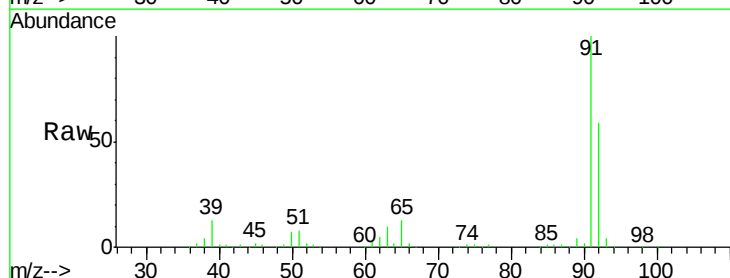
Acq: 14 May 2019 2:58

Tgt Ion: 92 Resp: 572449

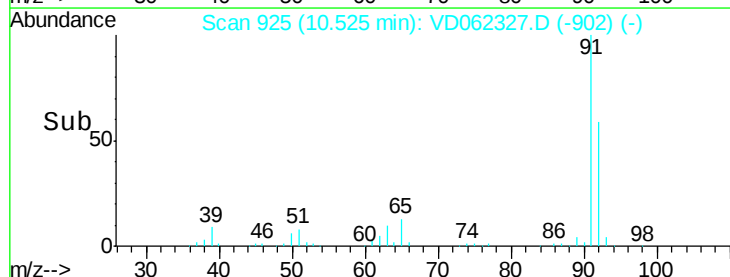
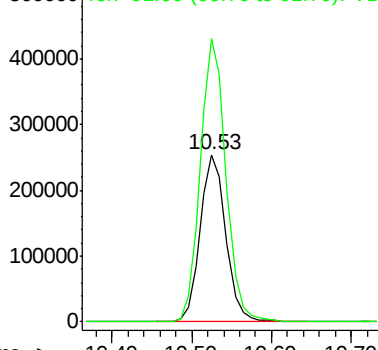
Ion Ratio Lower Upper

92 100

91 169.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 53.771 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.03 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

Tot Ion: 75 Resp: 349207

Ion Ratio Lower Upper

75 100

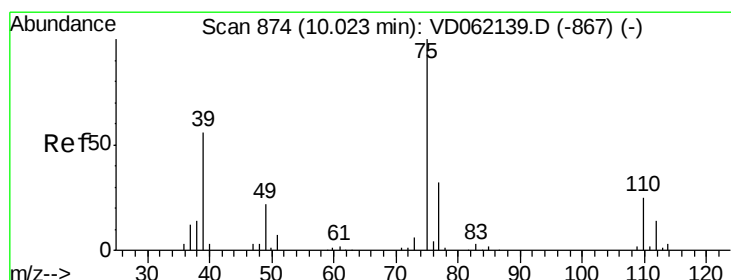
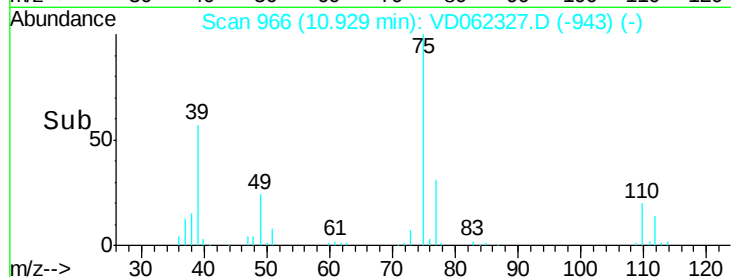
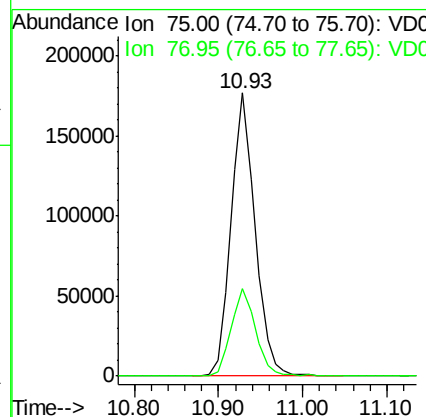
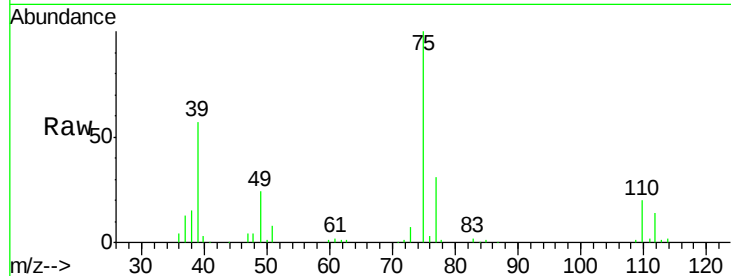
77 31.2 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 53.484 ug/l

RT: 10.05 min Scan# 877

Delta R.T. 0.03 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

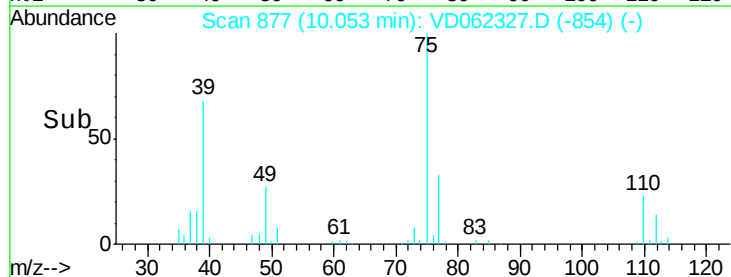
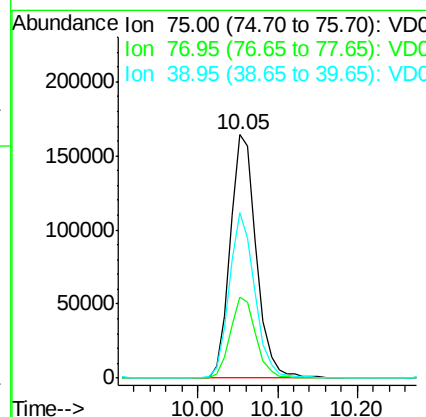
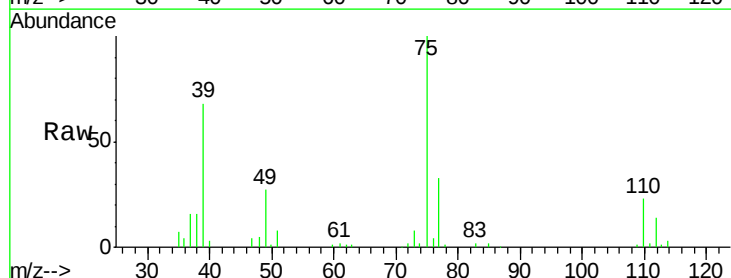
Tgt Ion: 75 Resp: 378928

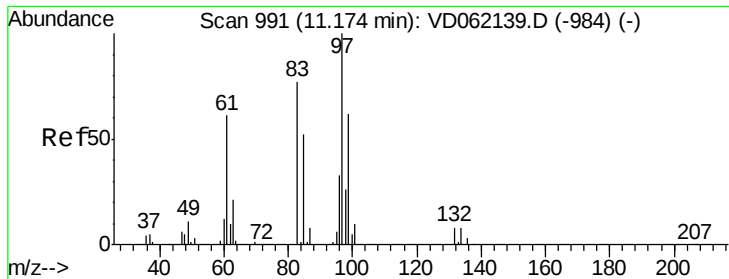
Ion Ratio Lower Upper

75 100

77 33.4 25.5 38.3

39 68.0 39.4 59.2#





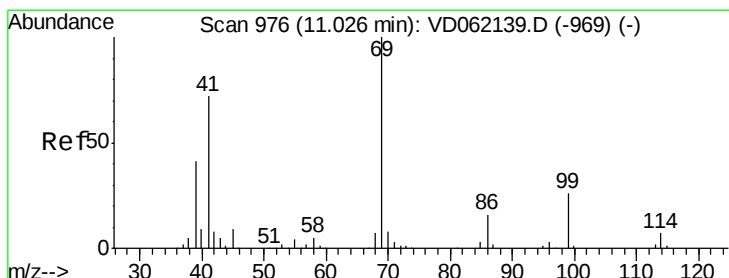
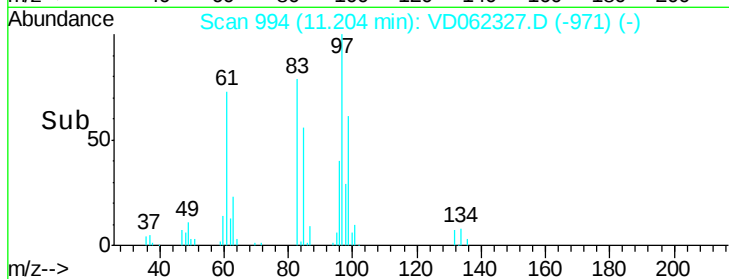
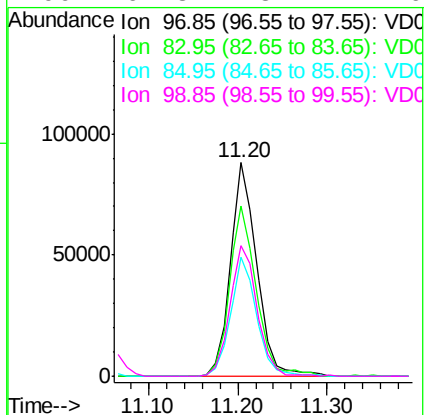
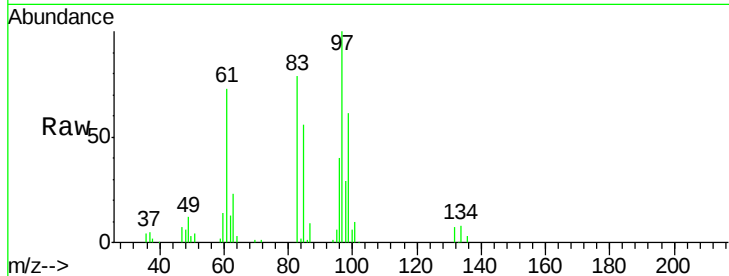
#55
 1,1,2-Trichloroethane
 Concen: 52.013 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion:	97	Resp:	182876
Ion	Ratio	Lower	Upper
97	100		
83	79.5	65.7	98.5
85	56.0	45.6	68.4
99	61.3	48.4	72.6

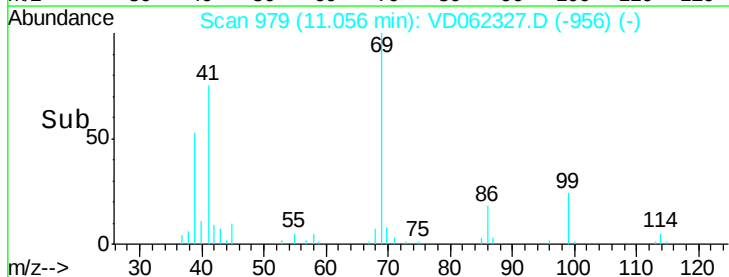
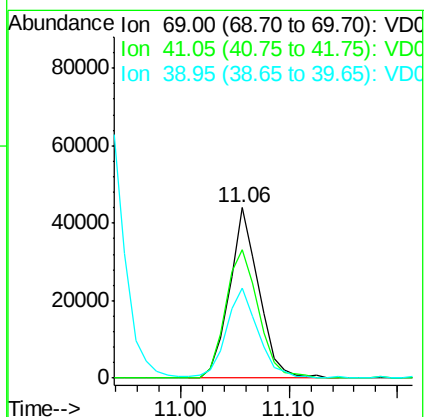
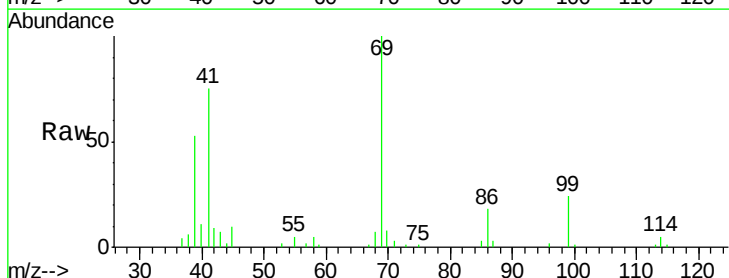
Manual Integrations
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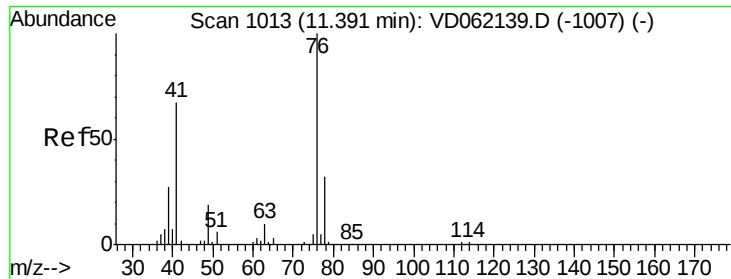
MMDadoda
 5/14/2019 9:50:50 AM



#56
 Ethyl methacrylate
 Concen: 22.683 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion:	69	Resp:	82875
Ion	Ratio	Lower	Upper
69	100		
41	75.5	56.3	84.5
39	53.0	29.4	44.2#





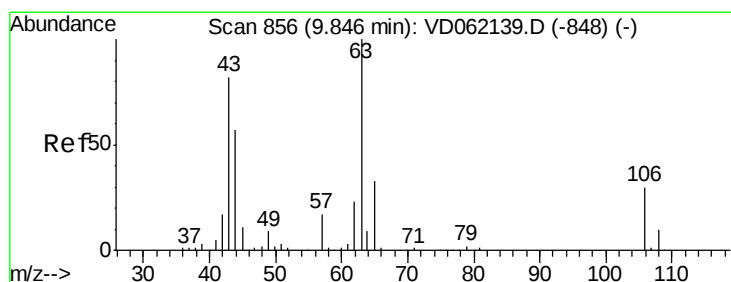
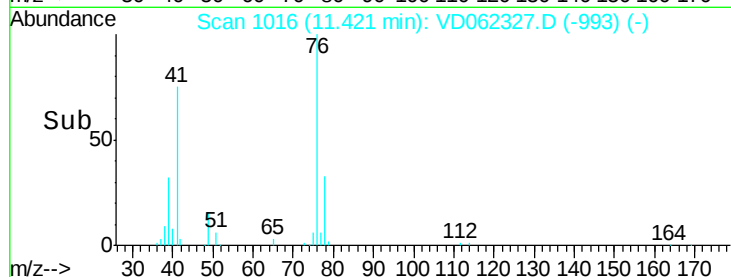
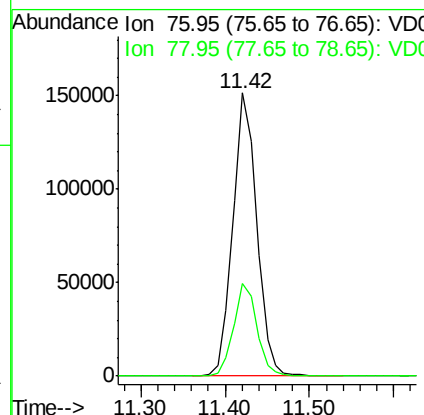
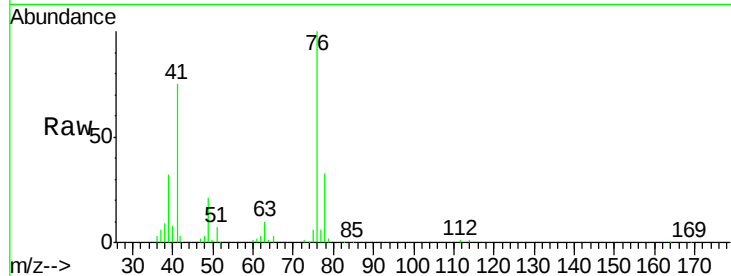
#57
 1,3-Dichloropropane
 Concen: 56.459 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion: 76 Resp: 299896
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2

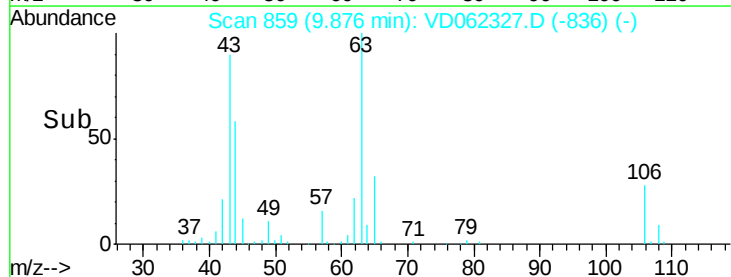
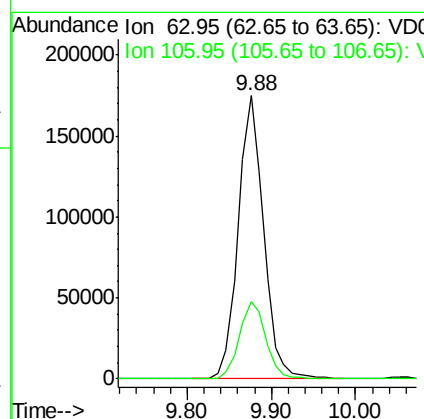
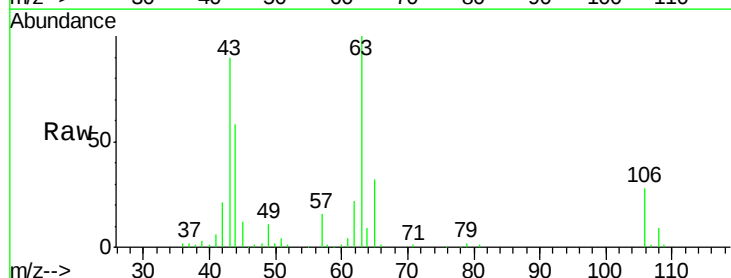
Manual Integrations
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MMDadoda
 5/14/2019 9:50:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 183.777 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.03 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion: 63 Resp: 366767
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.6 34.0





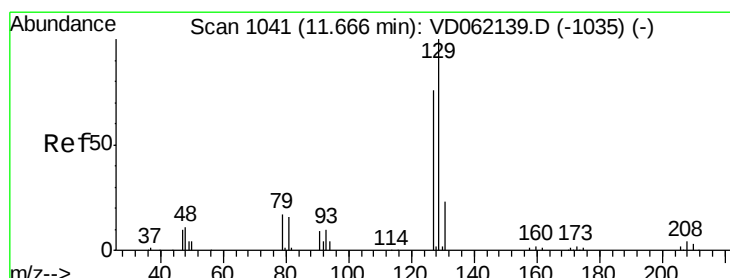
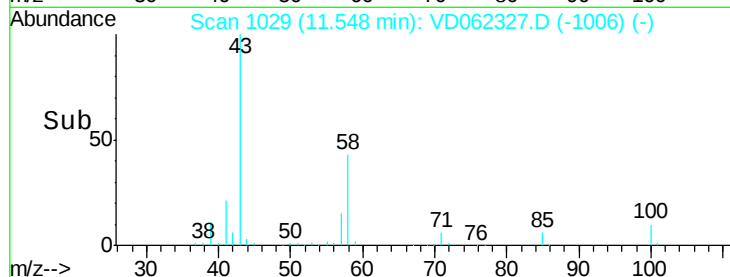
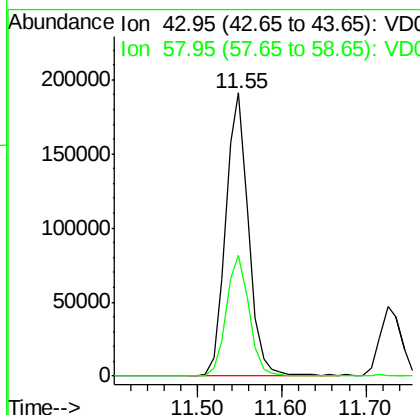
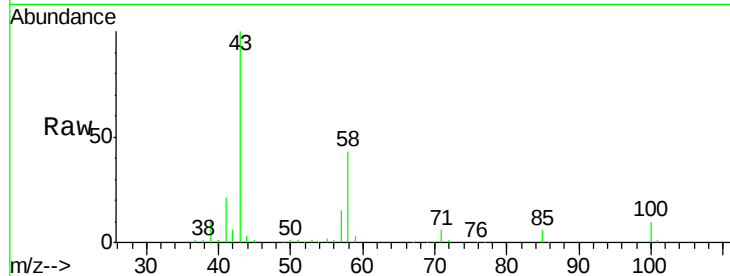
#59
2-Hexanone
Concen: 185.517 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion	43	58	Resp	Lower	Upper
Ratio	100	42.7		25.4	76.4

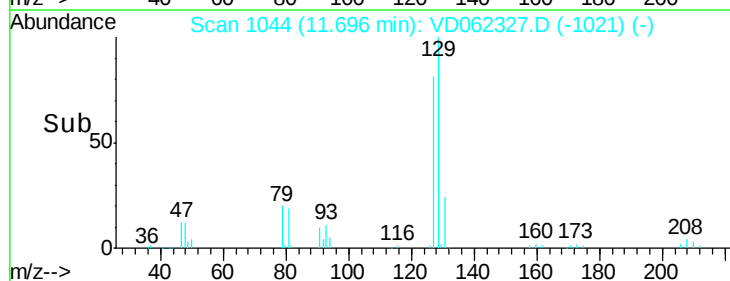
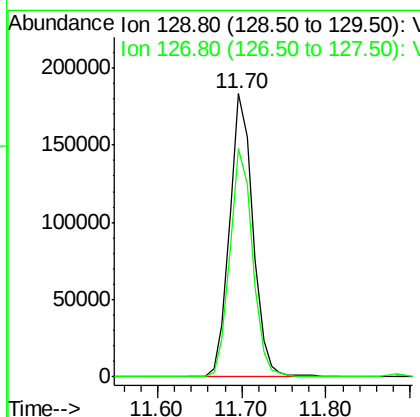
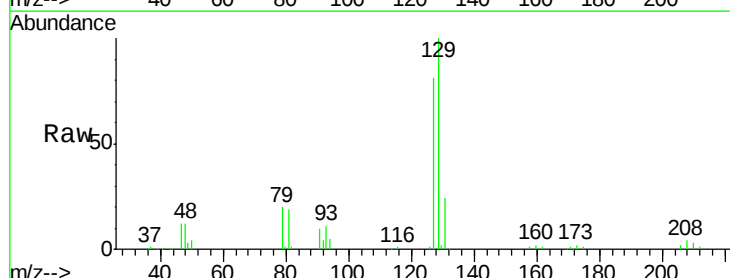
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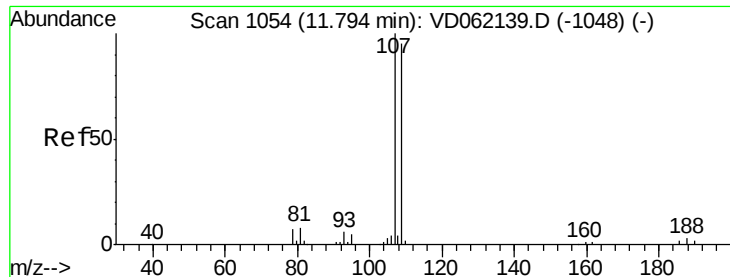
MMDadoda
5/14/2019 9:50:50 AM



#60
Dibromochloromethane
Concen: 58.114 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	129	127	Resp	Lower	Upper
Ratio	100	80.7		38.0	113.9





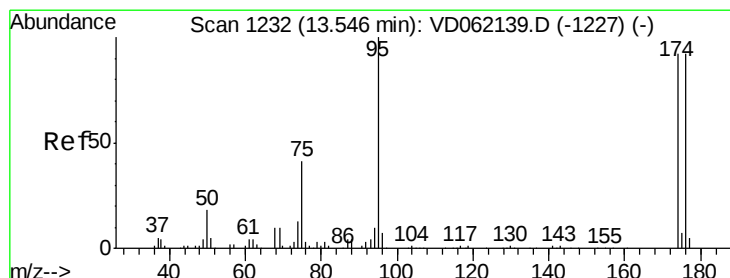
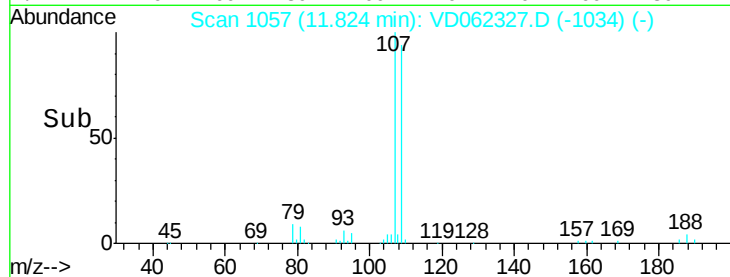
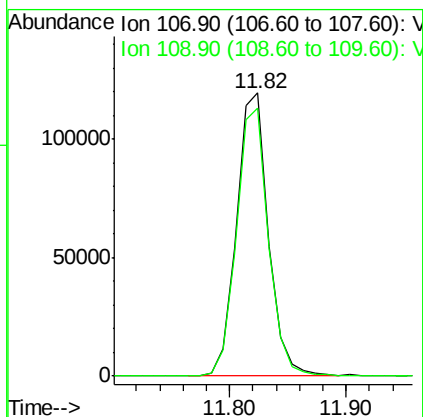
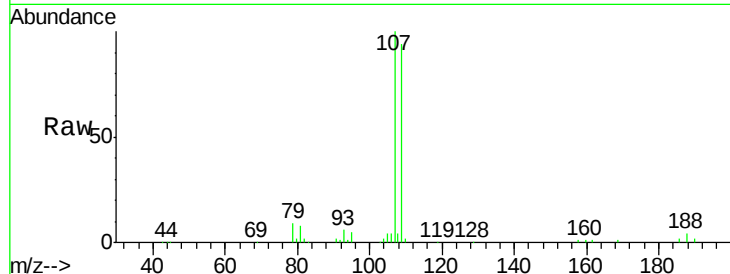
#61
 1,2-Dibromoethane
 Concen: 52.498 ug/l
 RT: 11.82 min Scan# 1057
 Delta R.T. 0.03 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	78.3	117.5

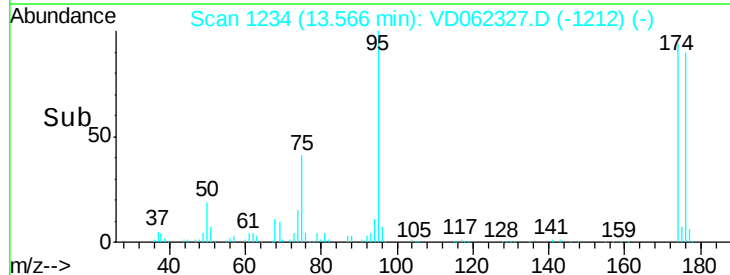
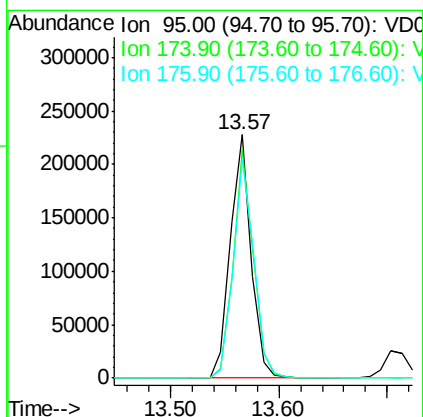
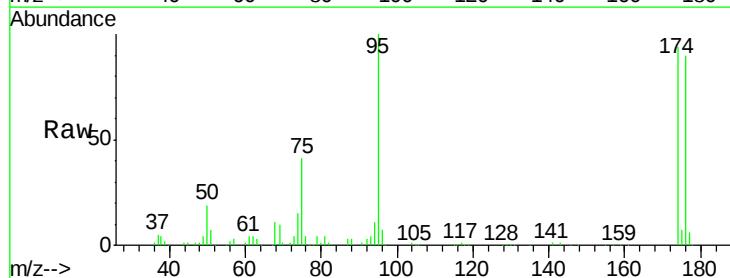
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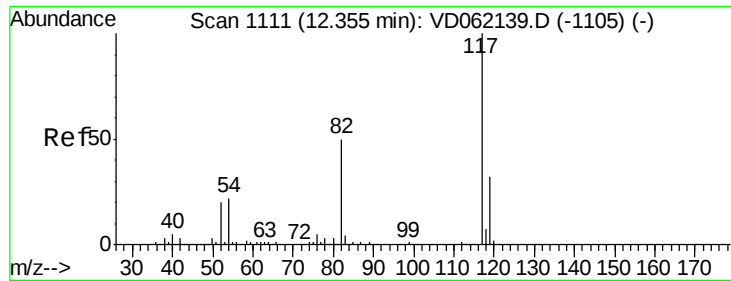
MMDadoda
 5/14/2019 9:50:50 AM



#62
 4-Bromofluorobenzene
 Concen: 45.892 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	181.8
176	90.2	0.0	174.4





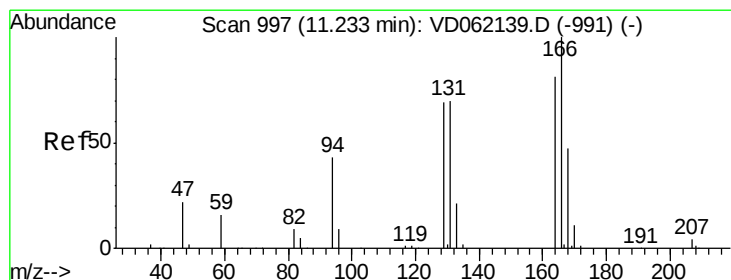
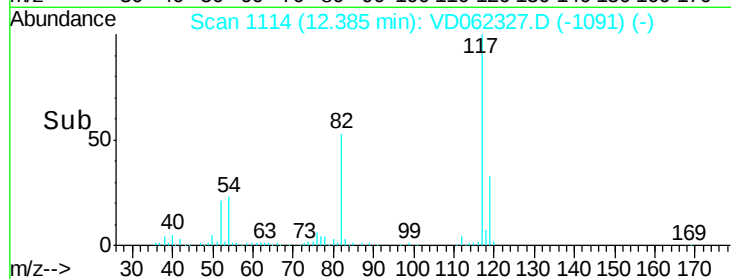
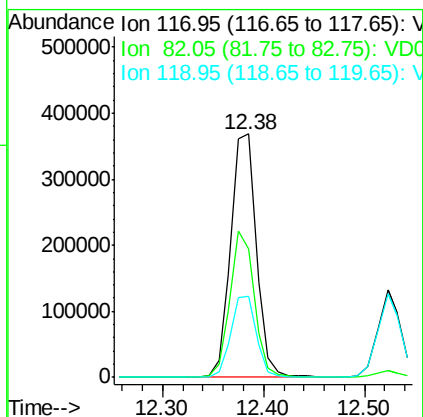
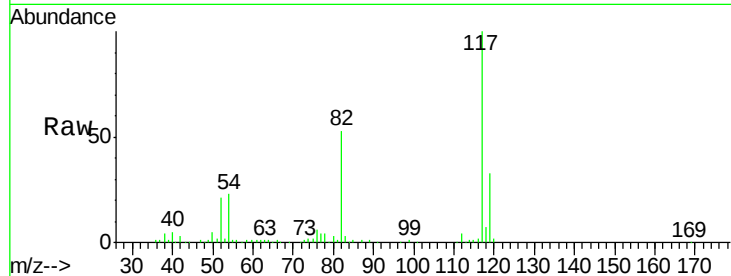
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	36.2	54.2
119	33.3	26.2	39.4

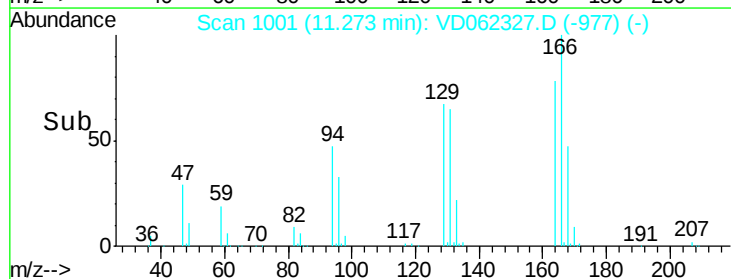
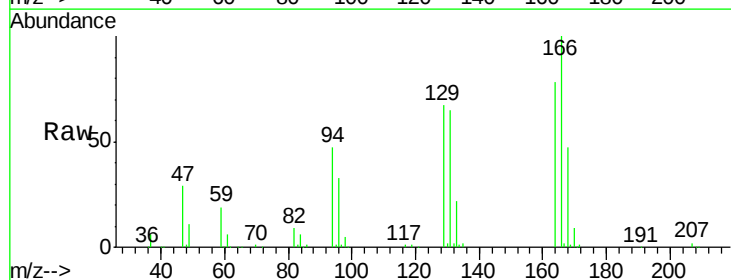
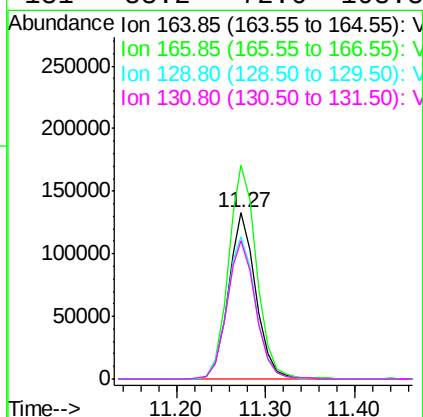
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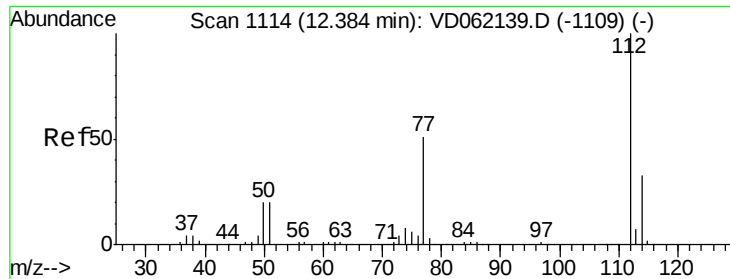
MMDadoda
5/14/2019 9:50:50 AM



#64
Tetrachloroethene
Concen: 56.115 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	101.5	152.3
129	85.6	74.6	112.0
131	83.2	72.6	108.8





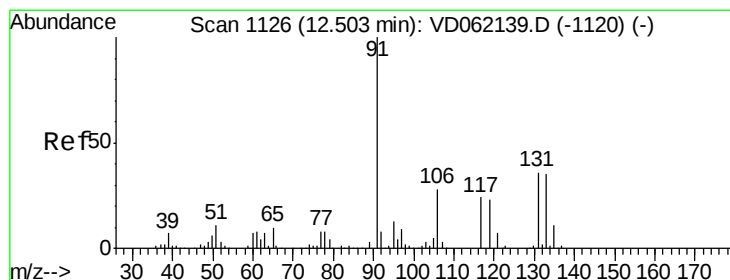
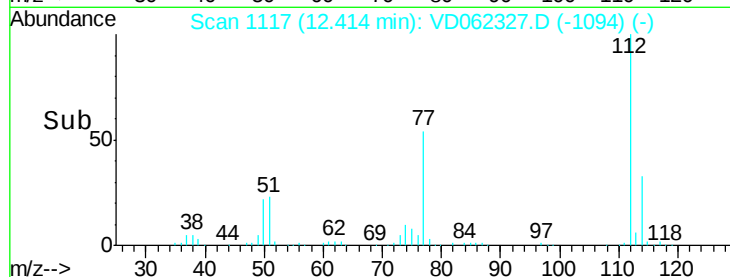
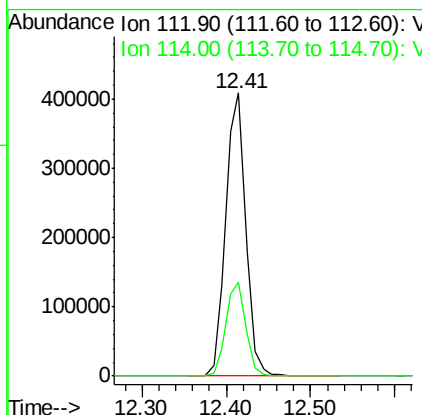
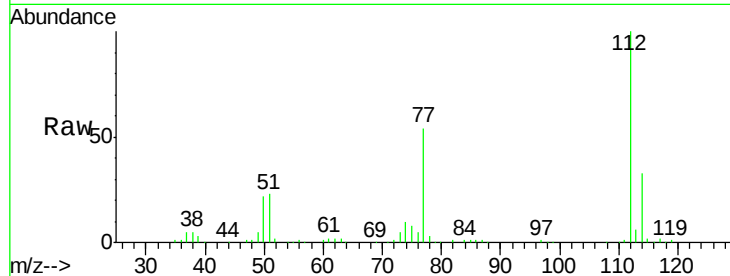
#65
Chlorobenzene
Concen: 55.665 ug/l
RT: 12.41 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion:112 Resp: 674663
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8

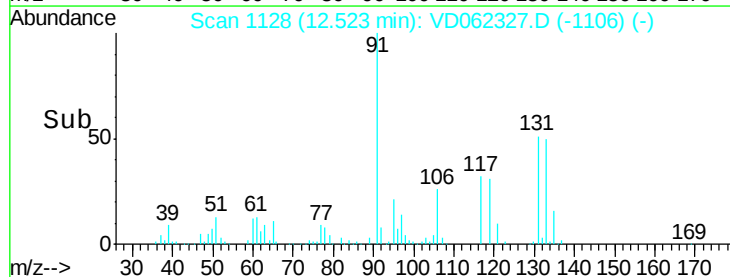
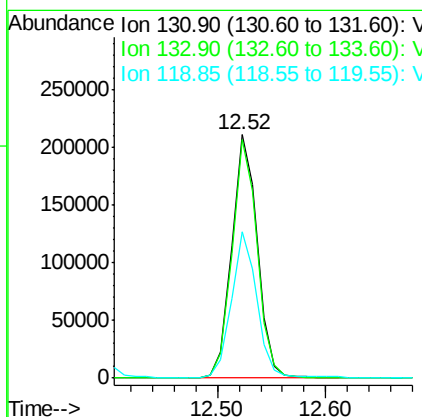
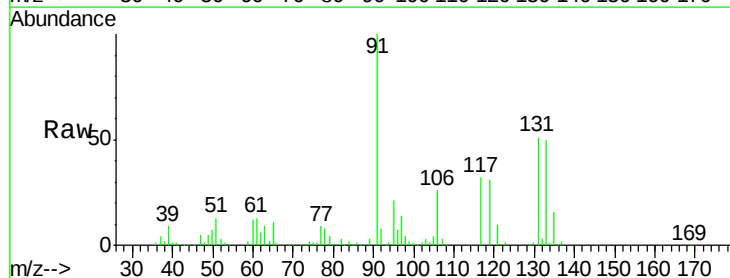
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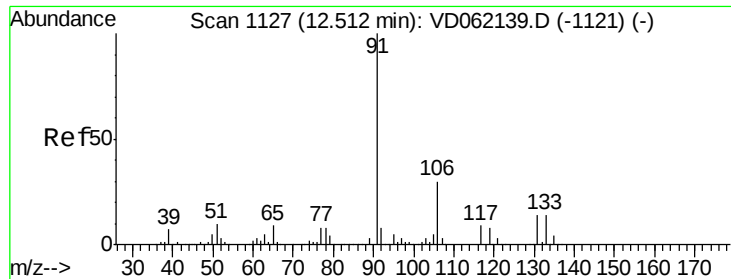
MMDadoda
5/14/2019 9:50:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 65.669 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion:131 Resp: 346388
Ion Ratio Lower Upper
131 100
133 98.0 48.6 145.8
119 60.2 34.7 104.1





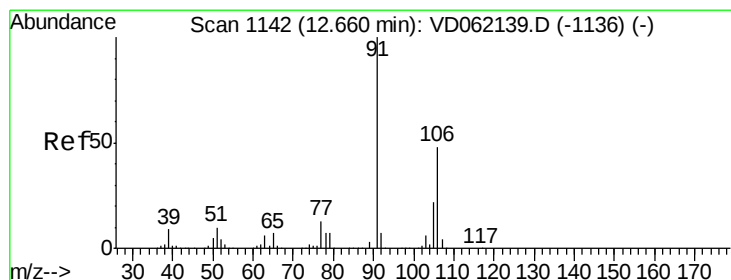
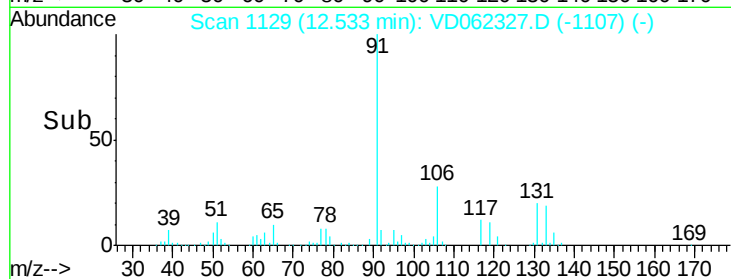
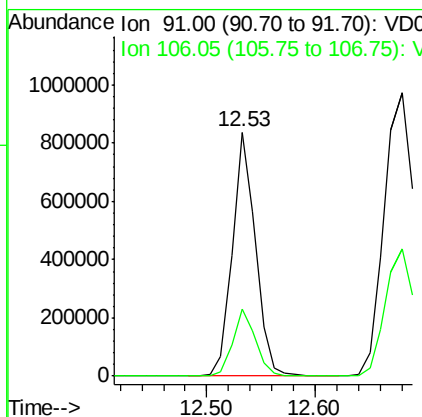
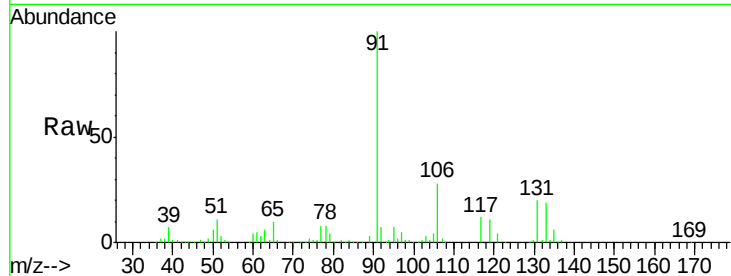
#67
Ethyl Benzene
Concen: 61.398 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion: 91 Resp: 1245797
Ion Ratio Lower Upper
91 100
106 27.6 24.7 37.1

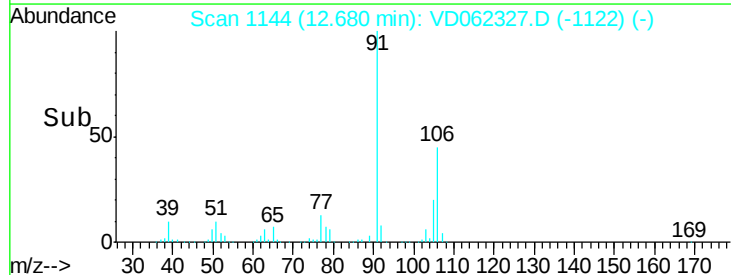
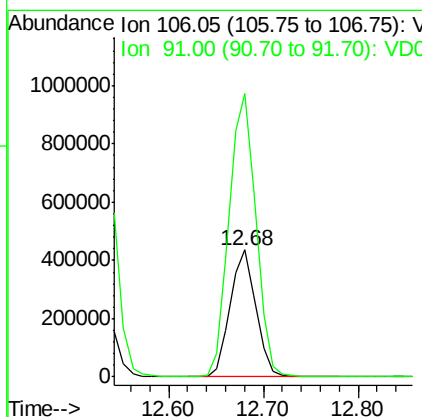
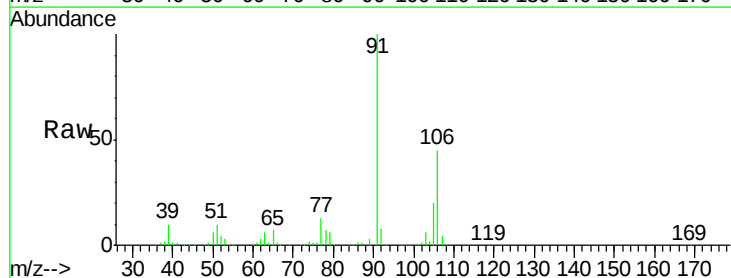
Manual Integrations
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5/14/2019 9:50:50 AM



#68
m/p-Xylenes
Concen: 111.219 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion: 106 Resp: 821041
Ion Ratio Lower Upper
106 100
91 223.1 164.0 246.0





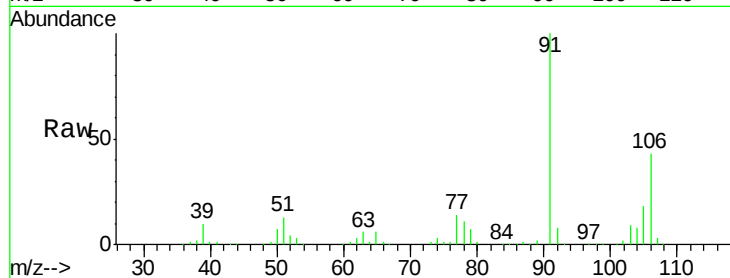
#69
o-Xylene
Concen: 56.625 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. 0.03 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

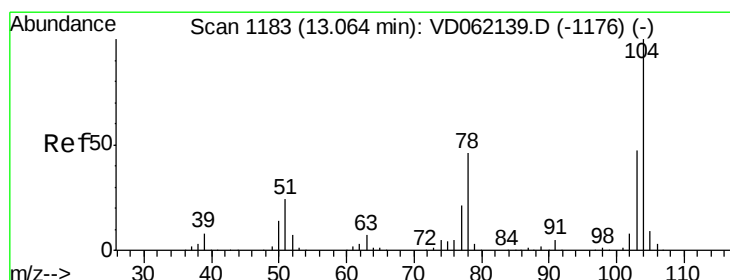
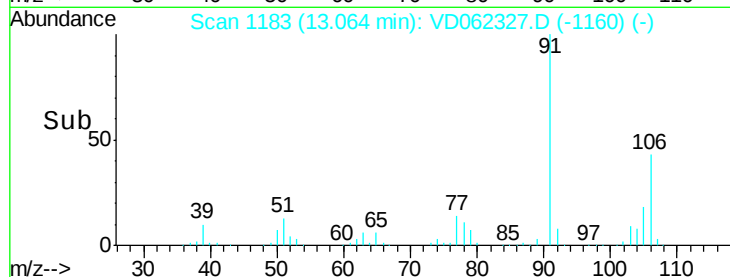
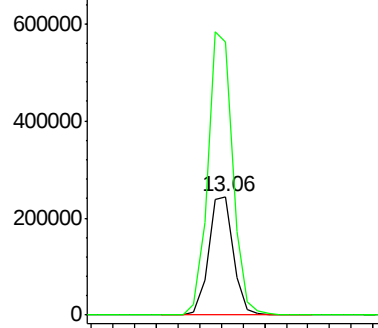
Tot Ion:106 Resp: 388628
Ion Ratio Lower Upper
106 100
91 230.5 106.7 319.9

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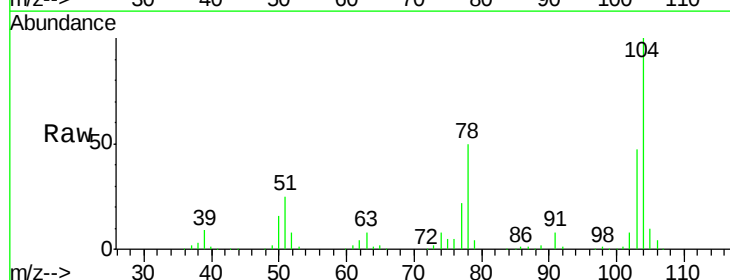


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

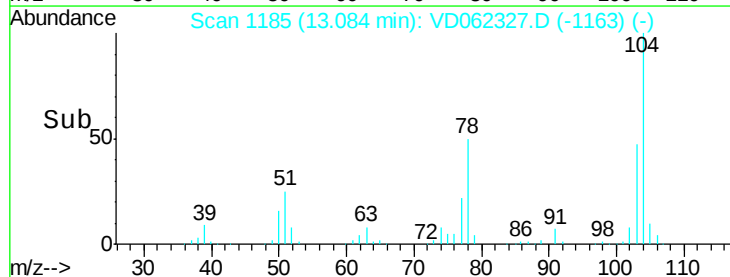
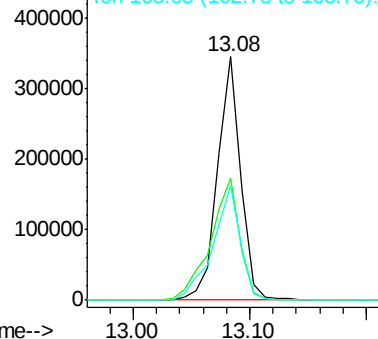


#70
Styrene
Concen: 40.878 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion:104 Resp: 475256
Ion Ratio Lower Upper
104 100
78 50.3 35.4 53.2
103 47.2 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





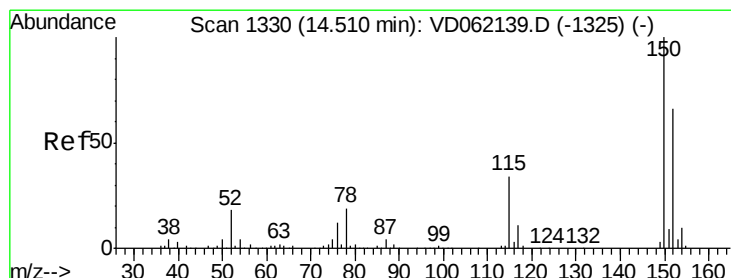
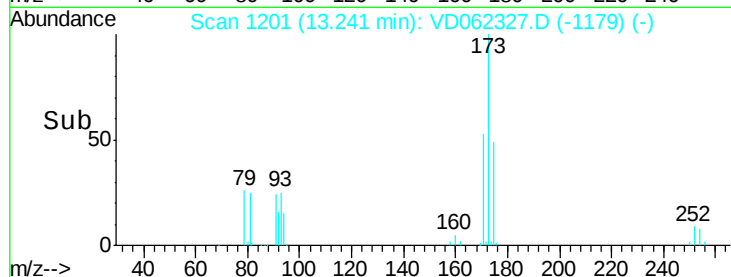
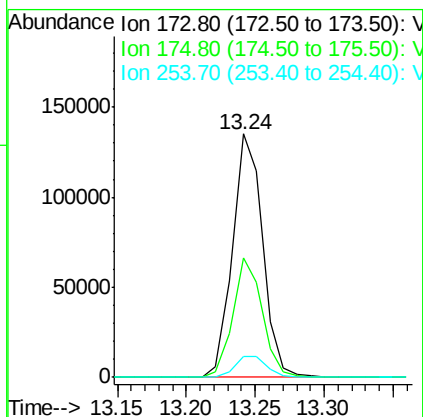
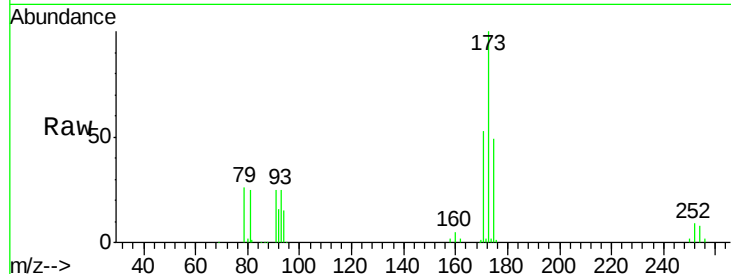
#71
Bromoform
Concen: 55.899 ug/l
RT: 13.24 min Scan# 1201
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	8.5	5.4	8.2#

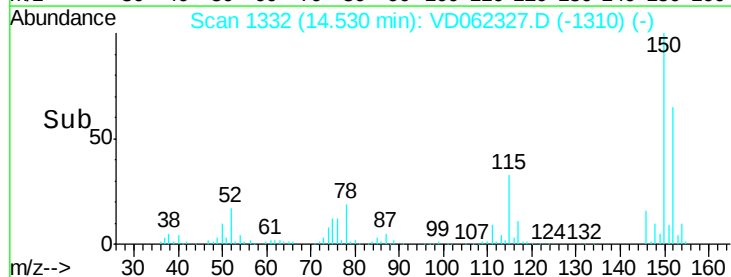
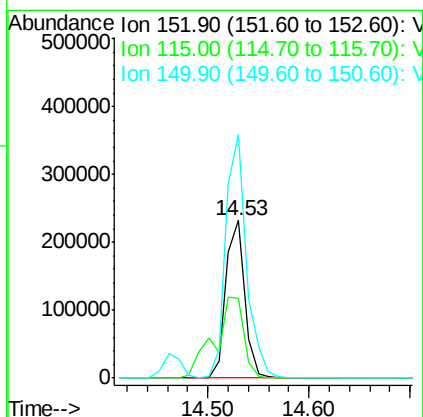
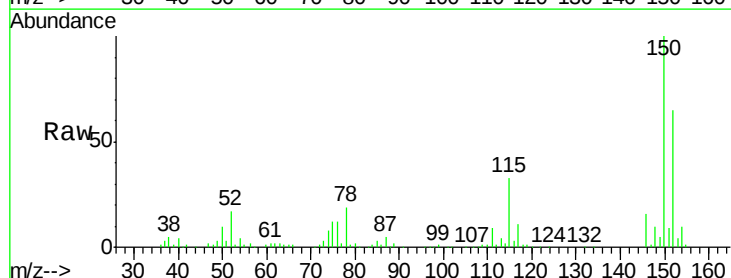
Manual Integrations
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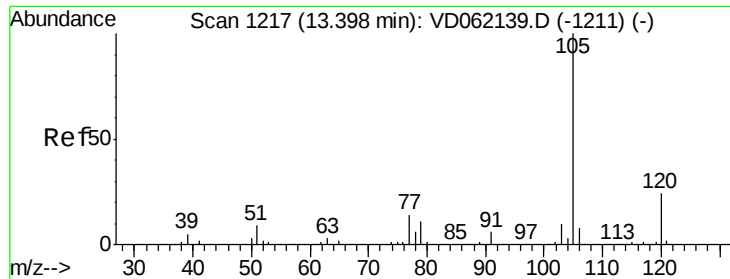
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.8	30.9	92.7
150	154.8	0.0	314.8





#73

Isopropylbenzene

Concen: 63.323 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

Tot Ion:105 Resp: 1145972

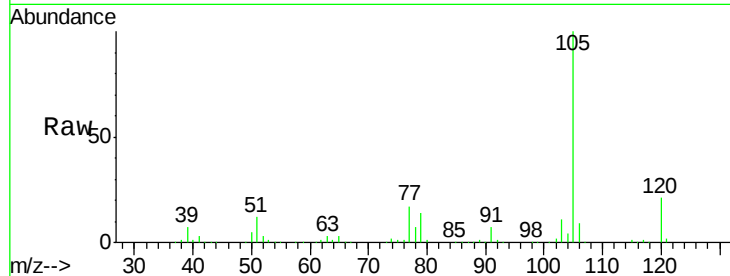
Ion Ratio Lower Upper

105 100

120 20.9 12.0 36.1

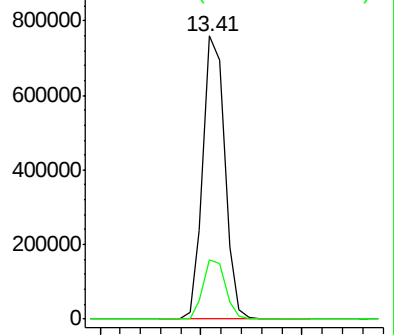
Manual Integrations
APPROVED

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5/14/2019 9:50:50 AM

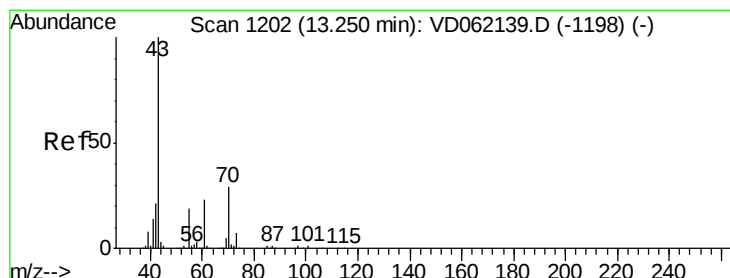
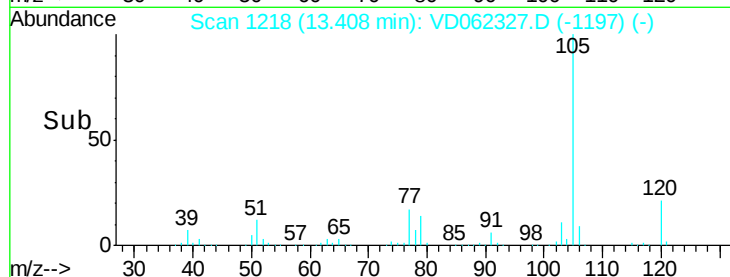


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 18.208 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Tgt Ion: 43 Resp: 86394

Ion Ratio Lower Upper

43 100

70 29.3 24.2 36.4

55 19.1 16.0 24.0

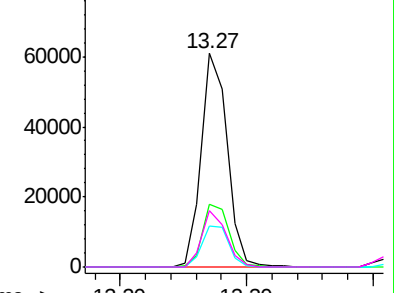
61 26.1 21.6 32.4

Abundance Ion 42.95 (42.65 to 43.65): VDC

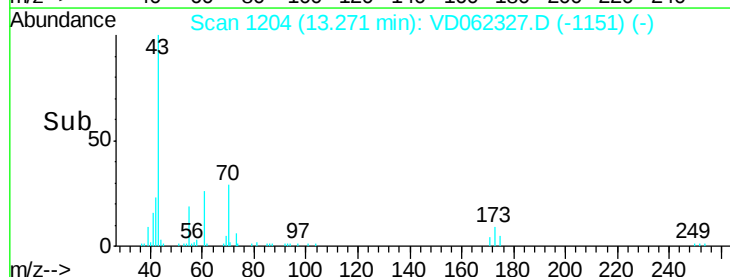
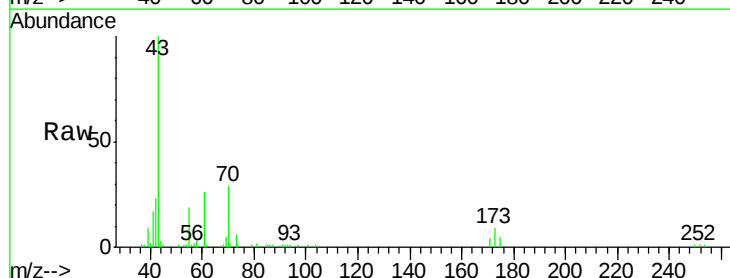
Ion 70.00 (69.70 to 70.70): VDC

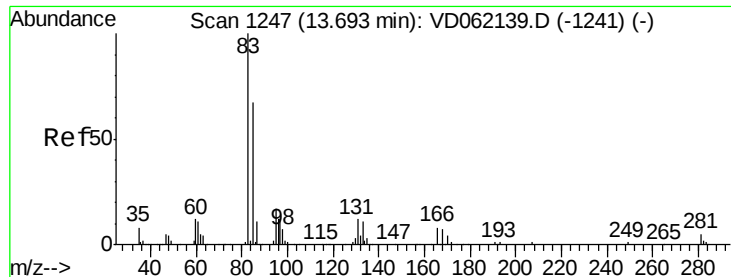
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 55.266 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

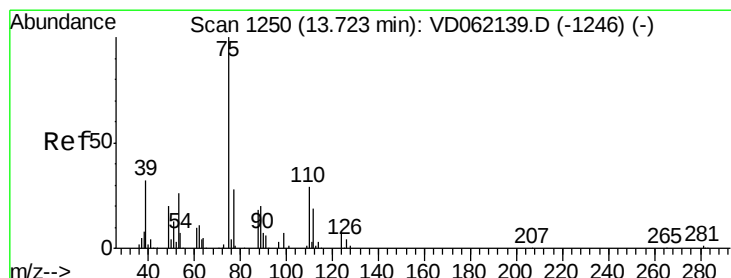
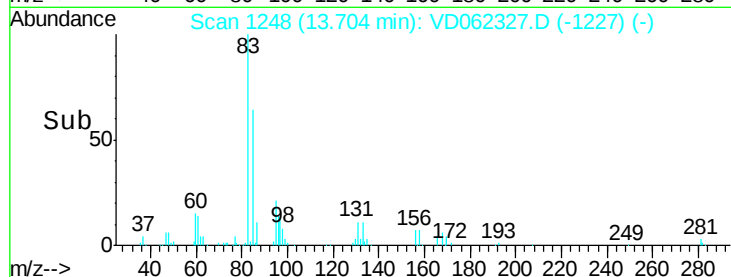
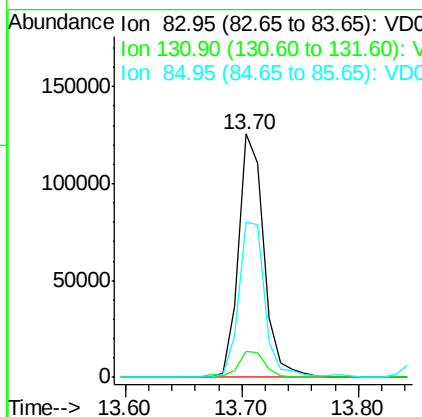
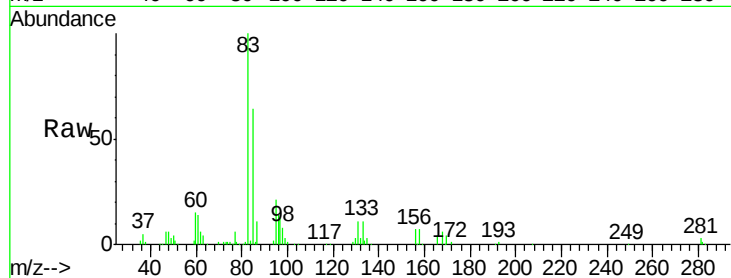
ClientSampleId :

P026-SS015-1824-01MS

Tot Ion:	83	Resp:	189345
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	14.9
85	63.7	32.6	97.7

Manual Integrations
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5/14/2019 9:50:50 AM



#76

1,2,3-Trichloropropane

Concen: 52.183 ug/l

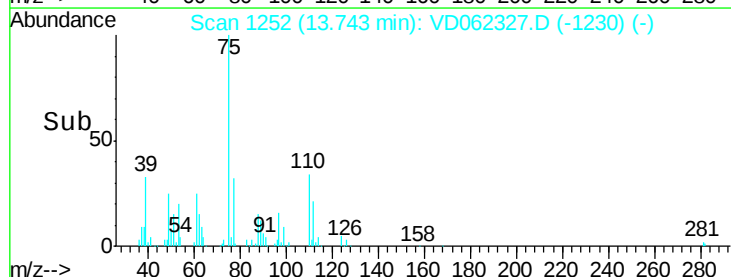
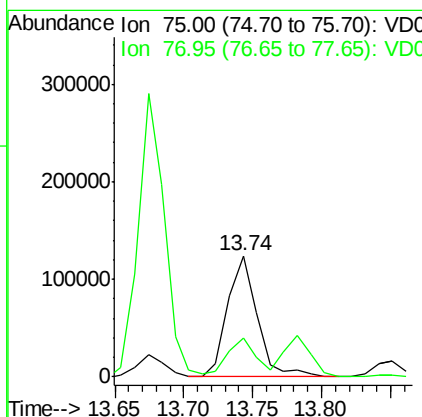
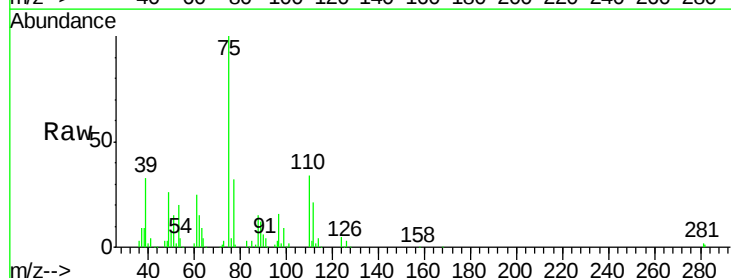
RT: 13.74 min Scan# 1252

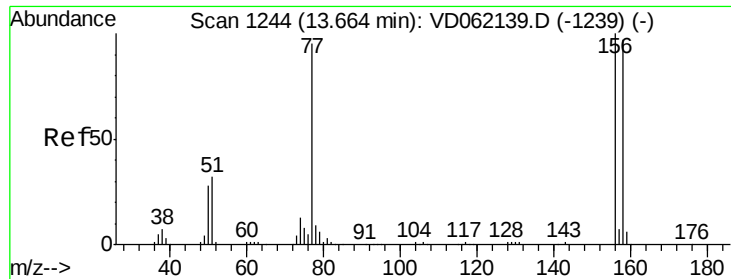
Delta R.T. 0.02 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Tgt Ion:	75	Resp:	187229
Ion Ratio	Lower	Upper	
75	100		
77	32.4	16.4	49.4





#77

Bromobenzene

Concen: 62.258 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

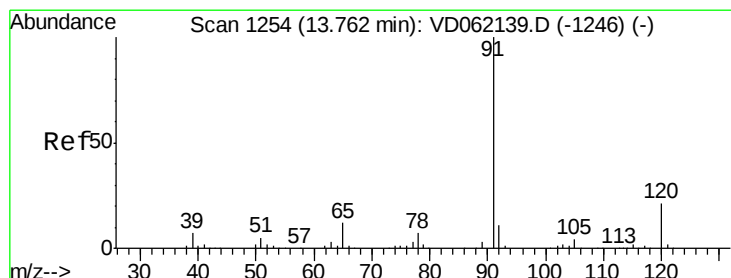
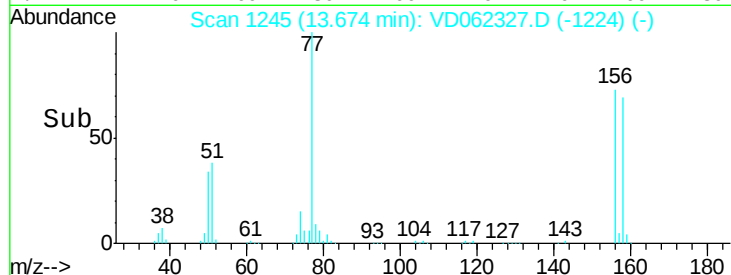
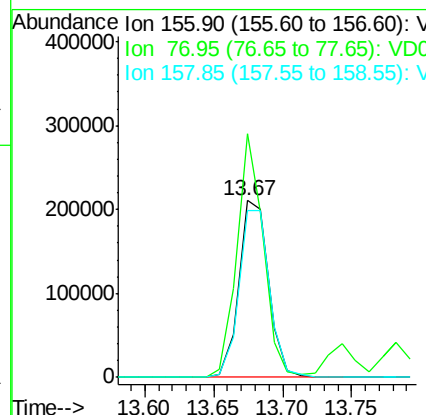
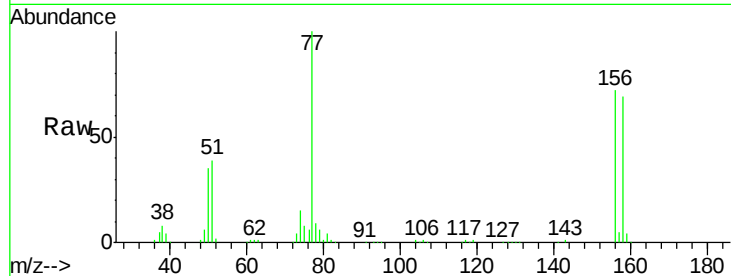
ClientSampleId :

P026-SS015-1824-01MS

Tot Ion:	156	Resp:	315404
Ion Ratio	Lower	Upper	
156	100		
77	138.0	53.1	159.4
158	94.6	49.4	148.0

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#78

n-propylbenzene

Concen: 62.512 ug/l

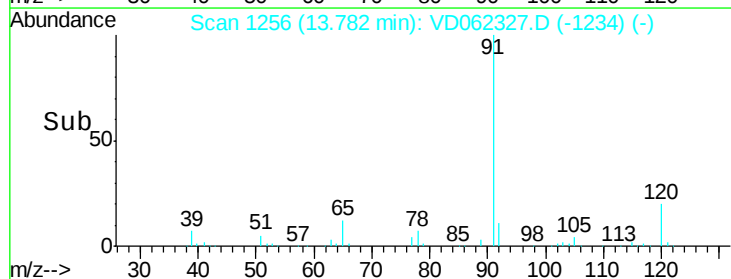
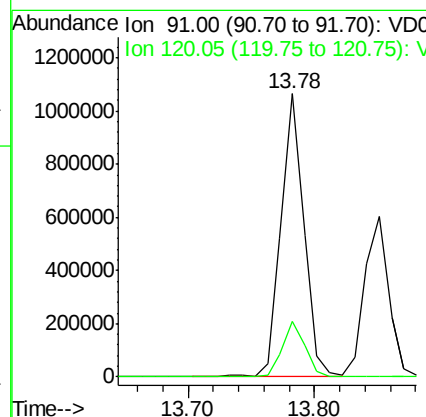
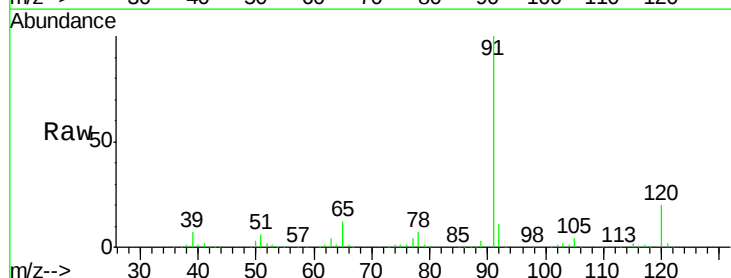
RT: 13.78 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Tgt Ion:	91	Resp:	1349504
Ion Ratio	Lower	Upper	
91	100		
120	19.9	11.1	33.1





#79

2-Chlorotoluene

Concen: 64.734 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VD062327.D

Acq: 14 May 2019 2:58

Instrument :

MSVOA_D

ClientSampleId :

P026-SS015-1824-01MS

Tot Ion: 91 Resp: 800367

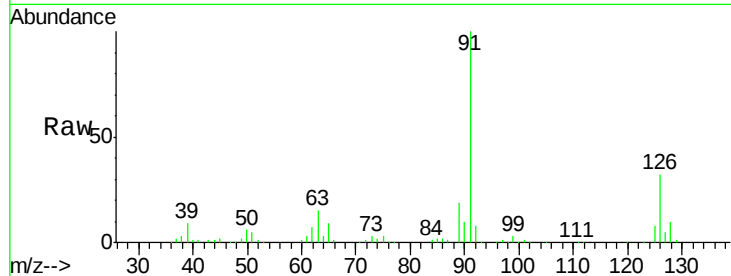
Ion Ratio Lower Upper

91 100

126 32.0 18.6 55.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD062139.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD062139.D (-1258) (-)

1200000

1000000

800000

600000

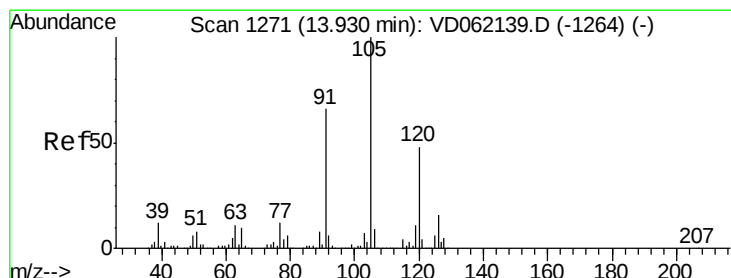
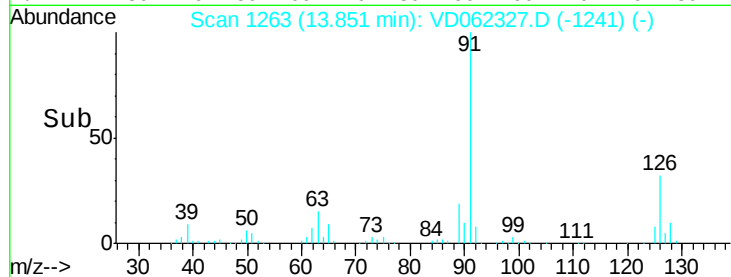
400000

200000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 63.657 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD062327.D

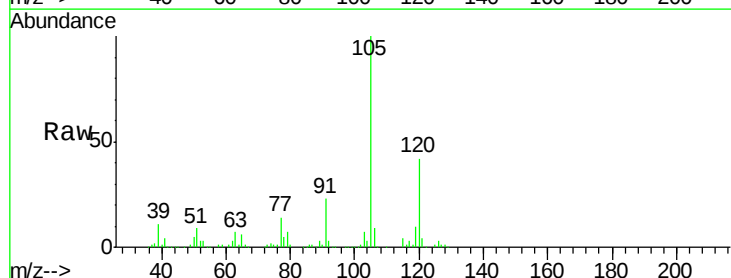
Acq: 14 May 2019 2:58

Tgt Ion: 105 Resp: 970094

Ion Ratio Lower Upper

105 100

120 41.7 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD062139.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD062139.D (-1264) (-)

800000

600000

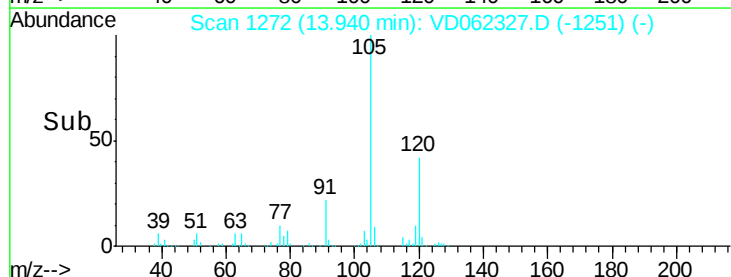
400000

200000

0

13.90 13.94 14.00

Time-->





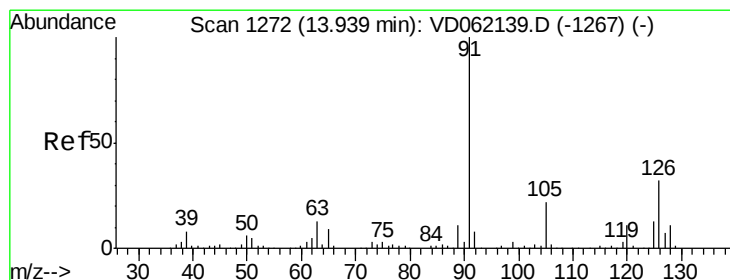
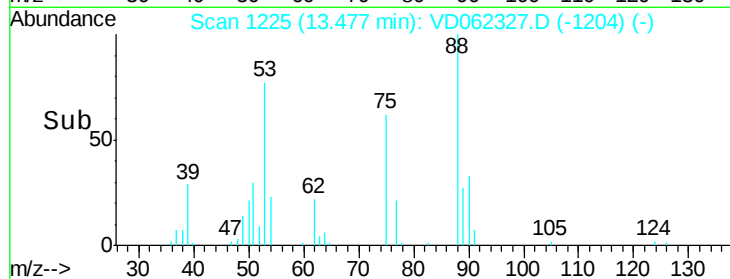
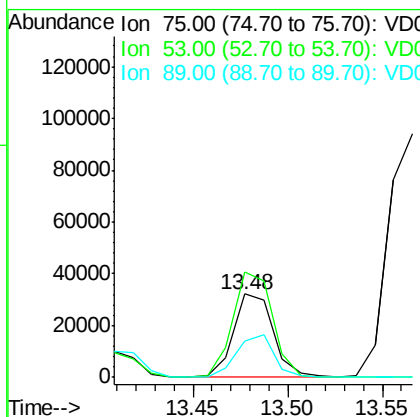
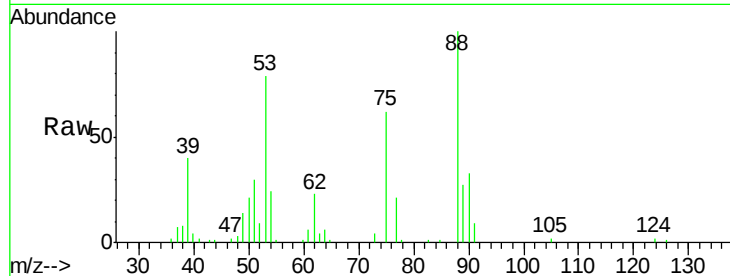
#81
trans-1,4-Dichloro-2-butene
Concen: 46.009 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	127.3	65.8	98.8#
89	43.5	35.0	52.6

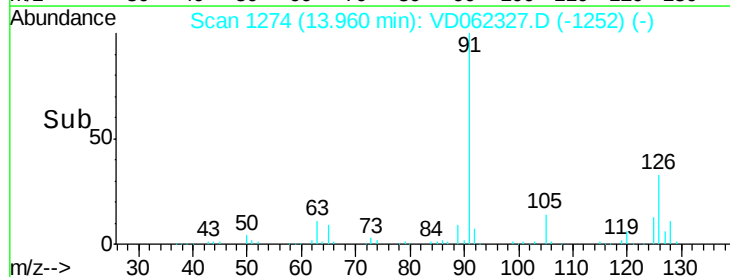
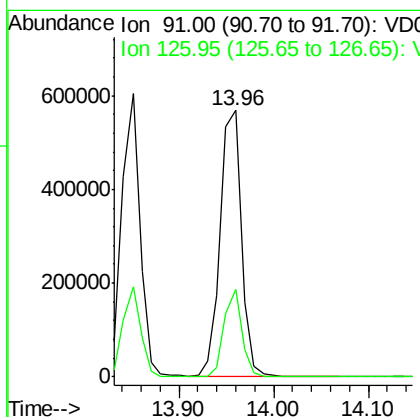
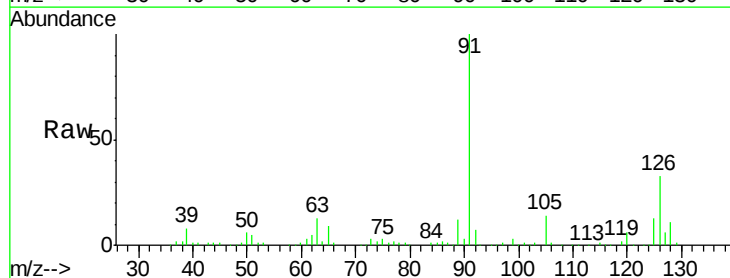
Manual Integrations
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5/14/2019 9:50:50 AM



#82
4-Chlorotoluene
Concen: 60.971 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	19.1	57.5





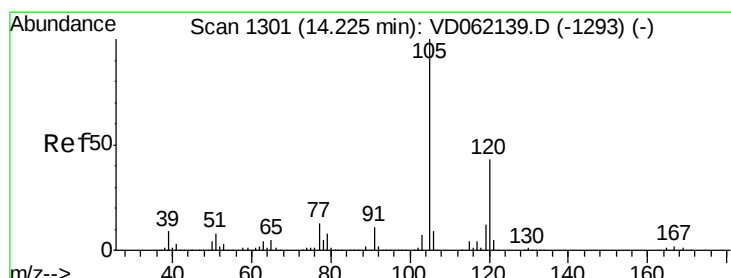
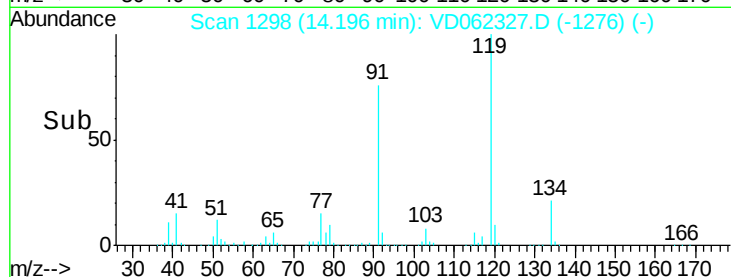
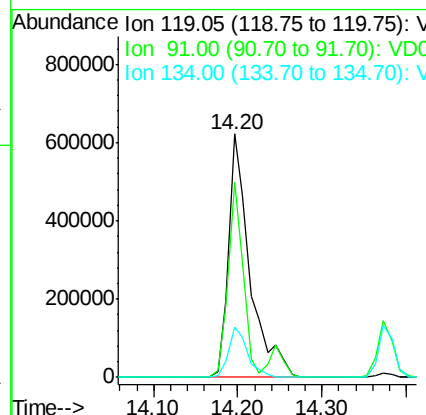
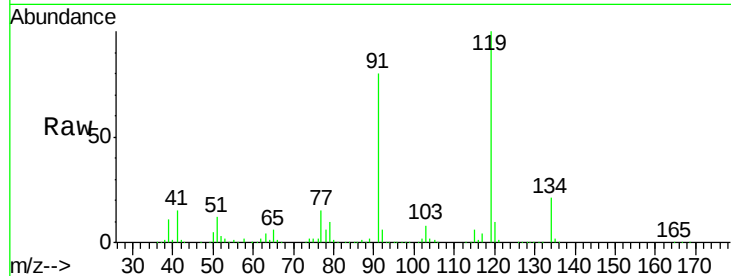
#83
tert-Butylbenzene
Concen: 64.136 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion:119 Resp: 1098588
Ion Ratio Lower Upper
119 100
91 80.0 34.2 102.6
134 20.6 12.0 36.0

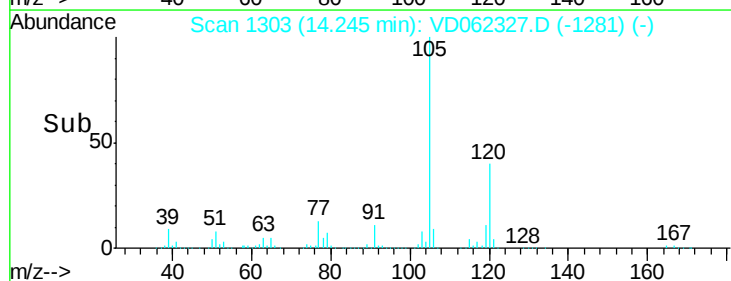
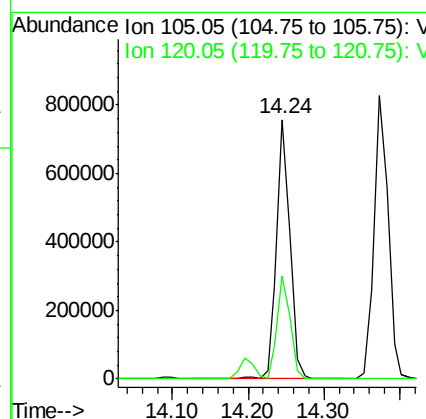
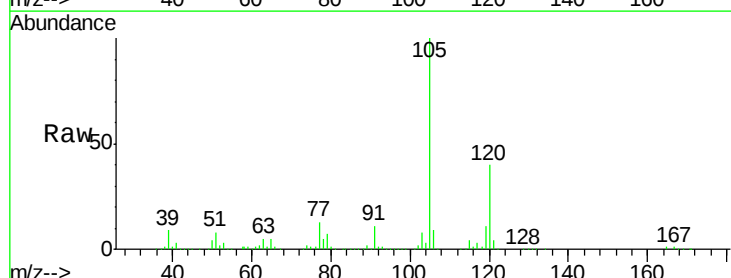
Manual Integrations
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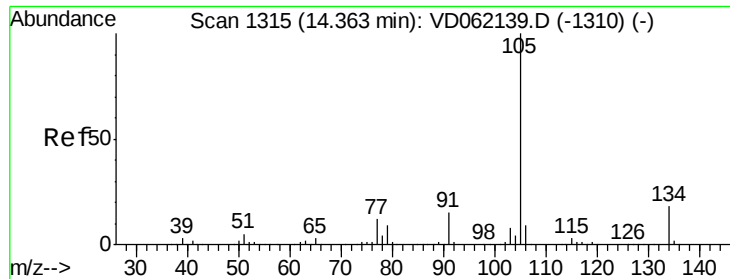
MMDadoda
5/14/2019 9:50:50 AM



#84
1,2,4-Trimethylbenzene
Concen: 60.845 ug/l
RT: 14.24 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion:105 Resp: 930487
Ion Ratio Lower Upper
105 100
120 39.6 23.1 69.2





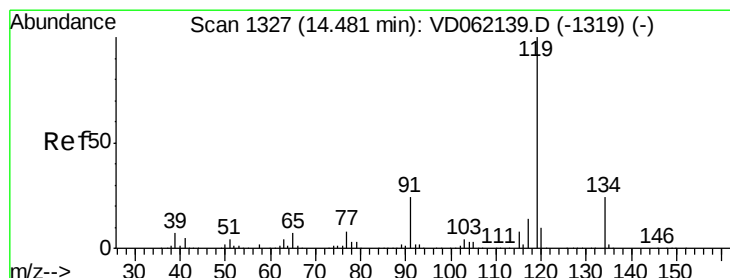
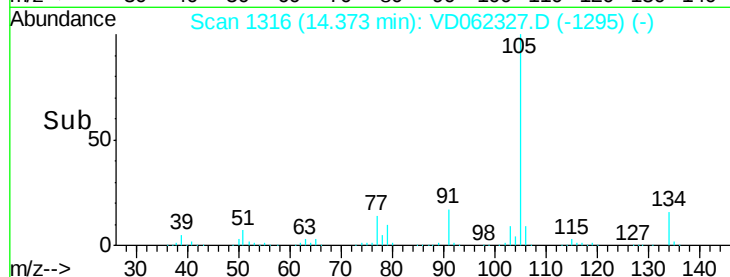
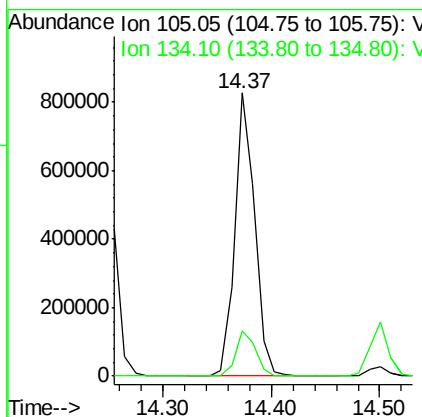
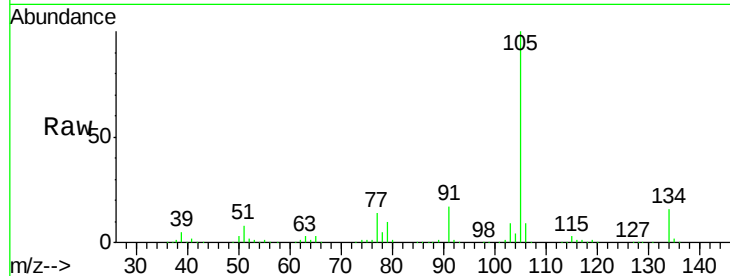
#85
 sec-Butylbenzene
 Concen: 56.129 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion:105 Resp: 1054122
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.9 26.7

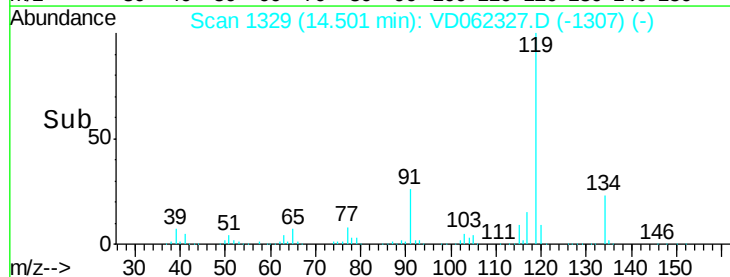
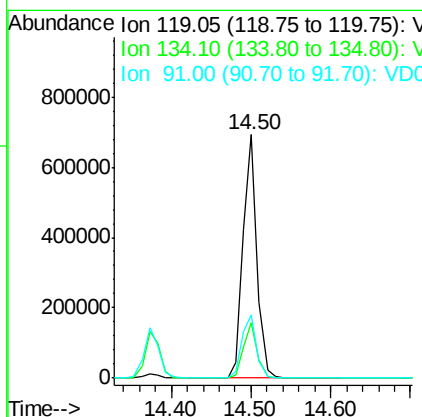
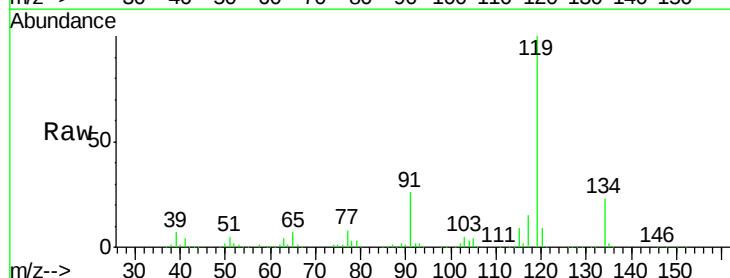
Manual Integrations
 APPROVED

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 5/14/2019 9:50:50 AM



#86
 p-Isopropyltoluene
 Concen: 50.104 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion:119 Resp: 840698
 Ion Ratio Lower Upper
 119 100
 134 23.0 12.8 38.3
 91 25.9 10.7 32.1





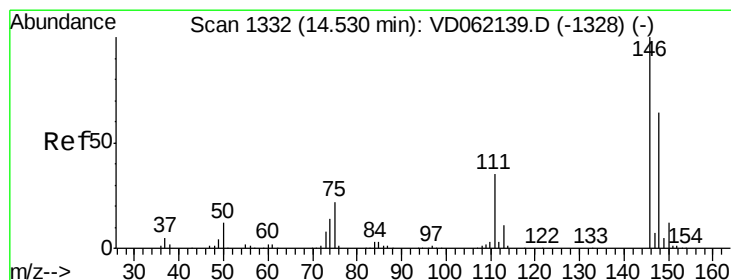
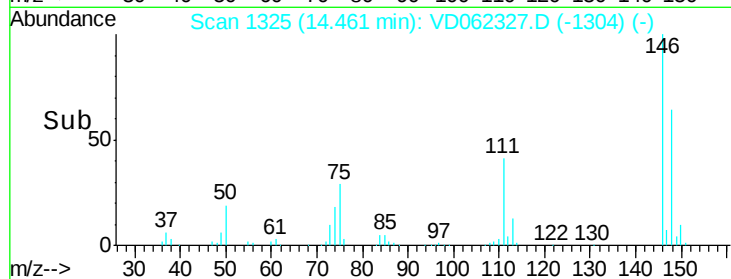
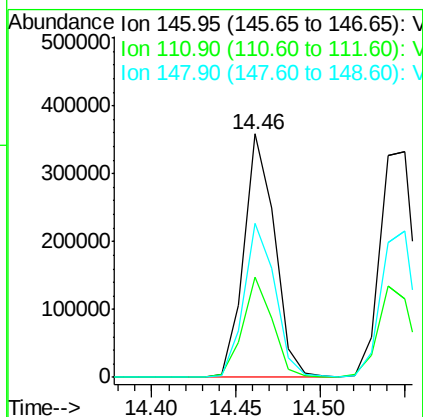
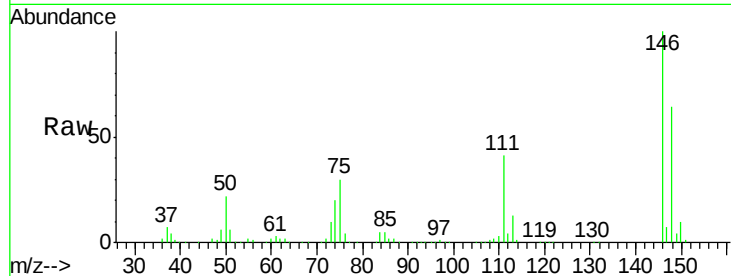
#87
 1,3-Dichlorobenzene
 Concen: 49.358 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	60.0
148	63.5	31.8	95.4

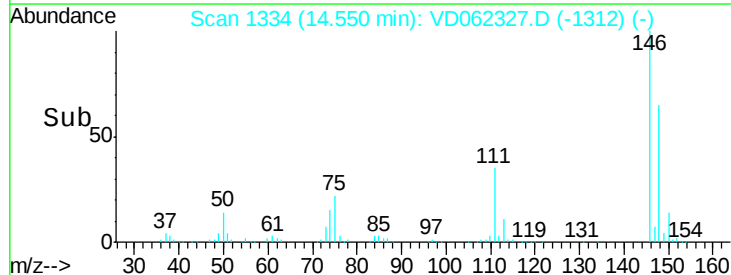
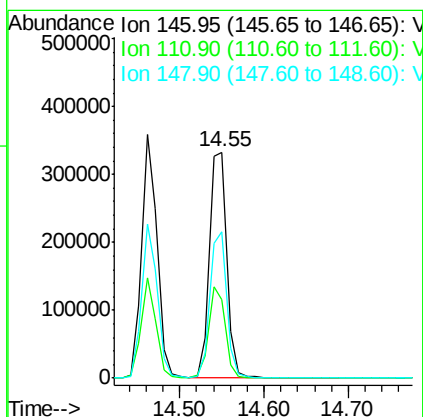
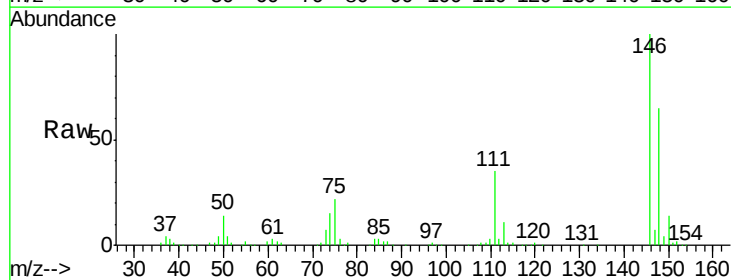
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 52.699 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.02 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	20.2	60.5
148	64.8	32.0	96.2





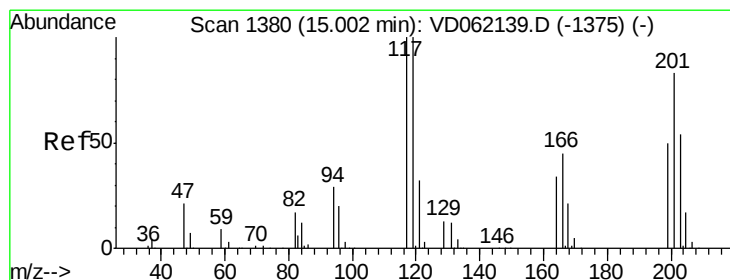
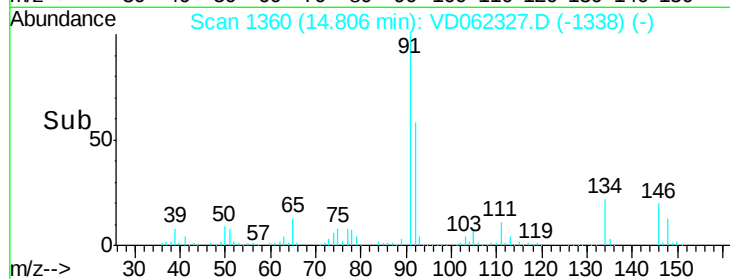
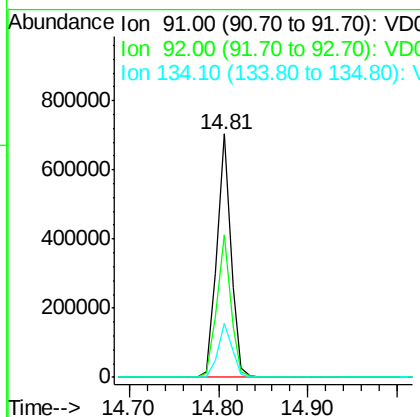
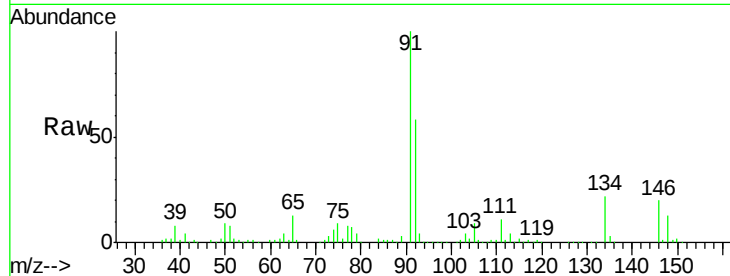
#89
n-Butylbenzene
Concen: 52.114 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.4	30.3	91.0
134	22.4	14.5	43.6

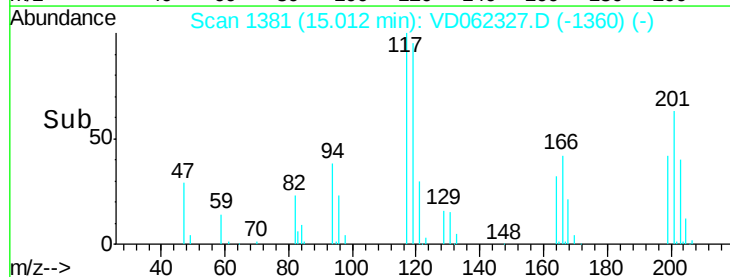
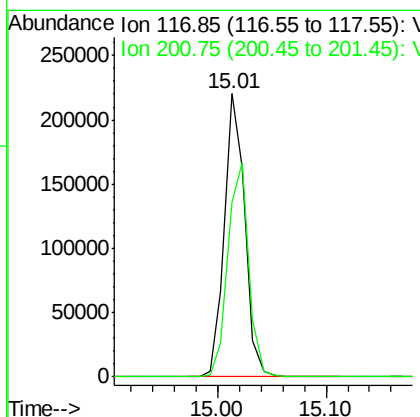
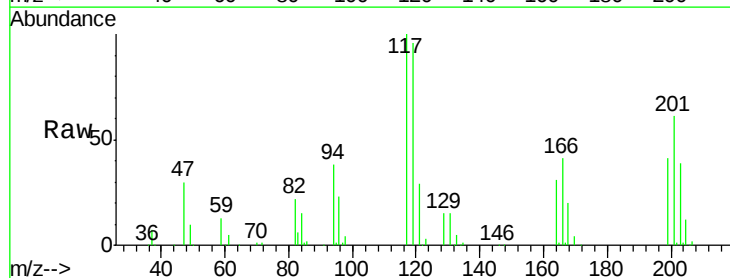
Manual Integrations
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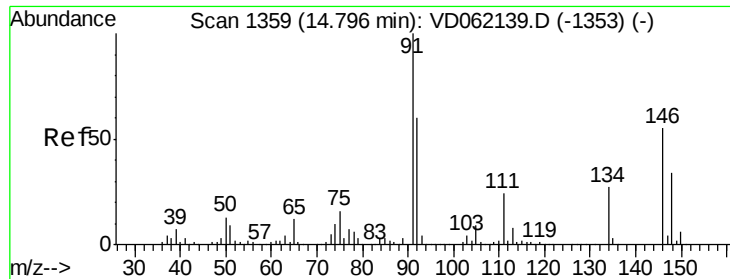
MMDadoda
5/14/2019 9:50:50 AM



#90
Hexachloroethane
Concen: 63.398 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.5	30.2	90.6





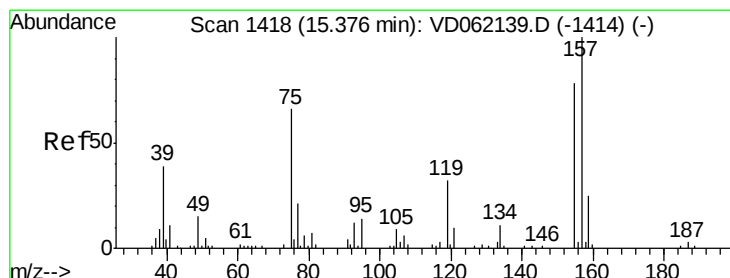
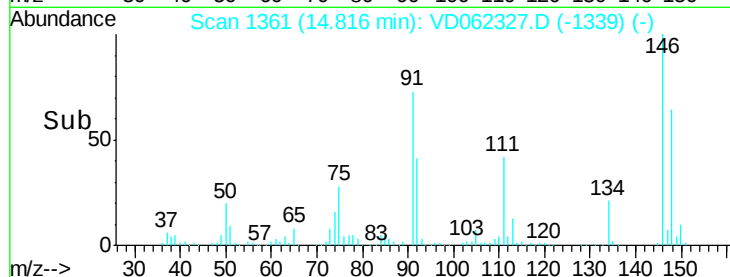
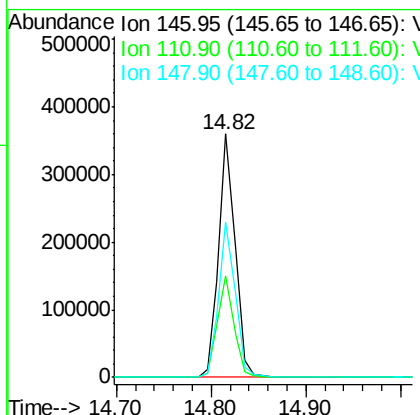
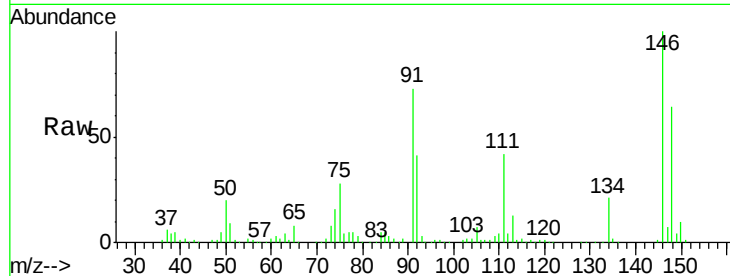
#91
 1,2-Dichlorobenzene
 Concen: 57.054 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.0	59.9
148	63.6	32.3	96.8

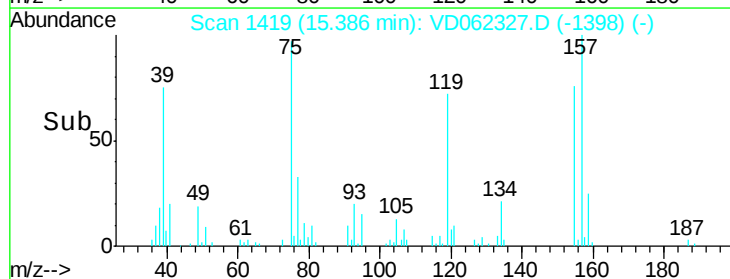
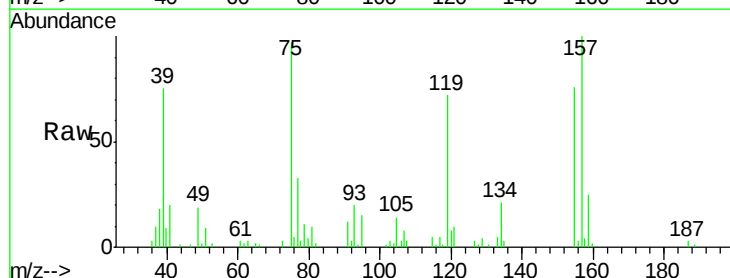
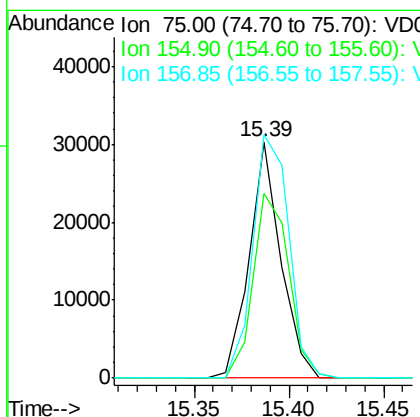
Manual Integrations
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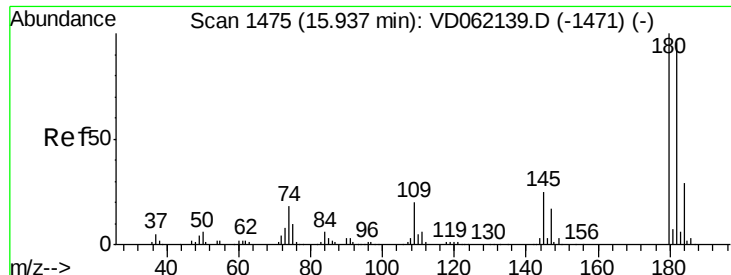
MMDadoda
 5/14/2019 9:50:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.289 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.3	55.3	165.8
157	102.9	67.8	203.2





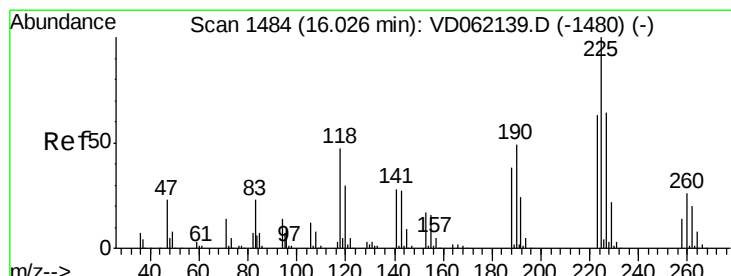
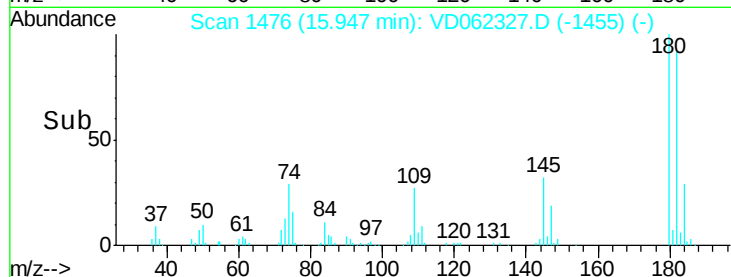
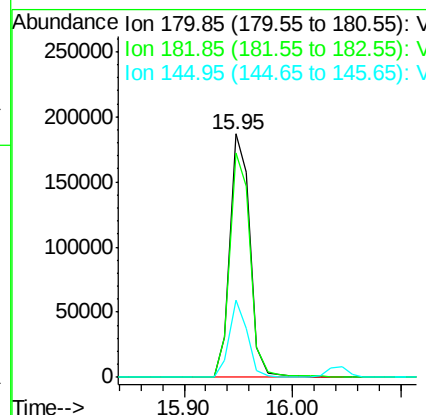
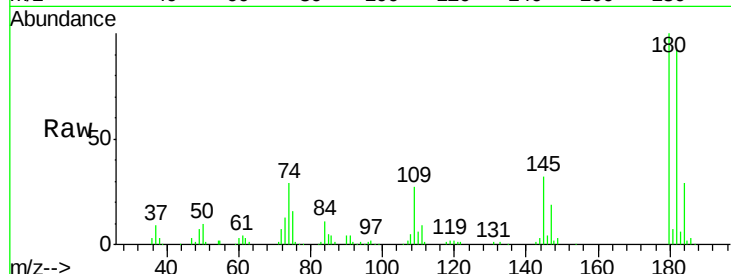
#93
 1,2,4-Trichlorobenzene
 Concen: 43.670 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	242262		
182	91.9	49.3	147.8	
145	31.7	16.2	48.6	

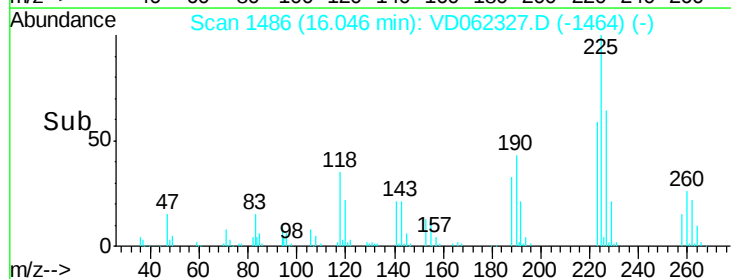
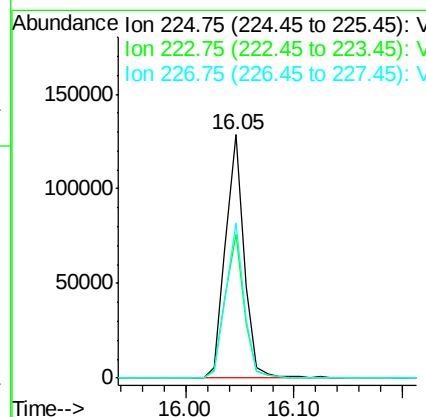
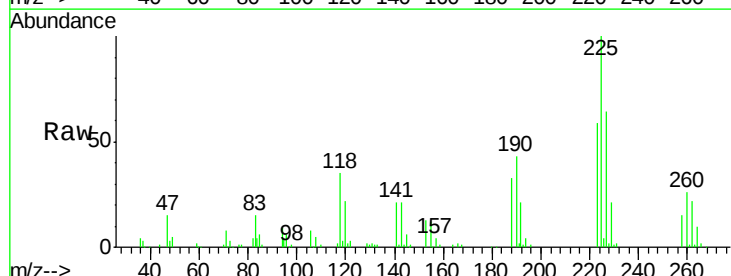
Manual Integrations
 APPROVED

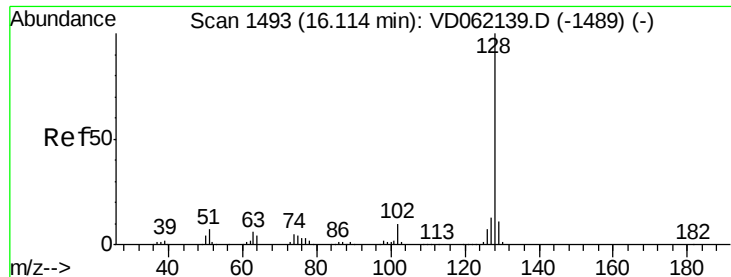
MMDadoda
 5/14/2019 9:50:50 AM



#94
 Hexachlorobutadiene
 Concen: 37.261 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062327.D
 Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	153740		
223	59.2	30.6	92.0	
227	63.8	32.0	96.2	





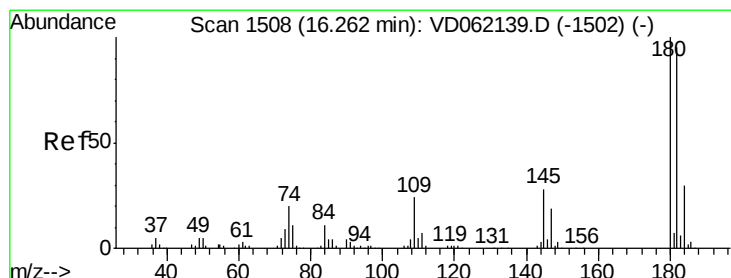
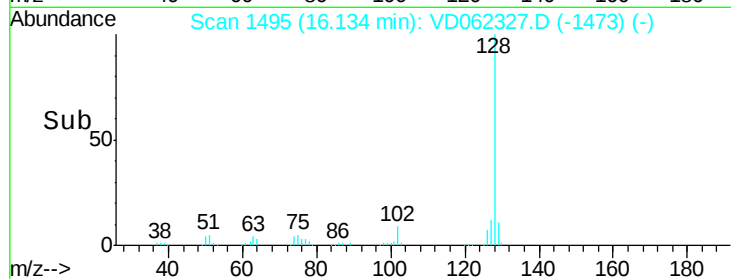
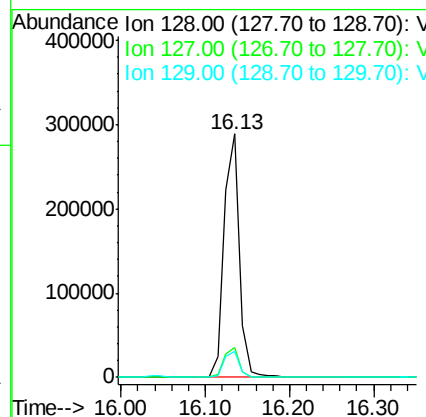
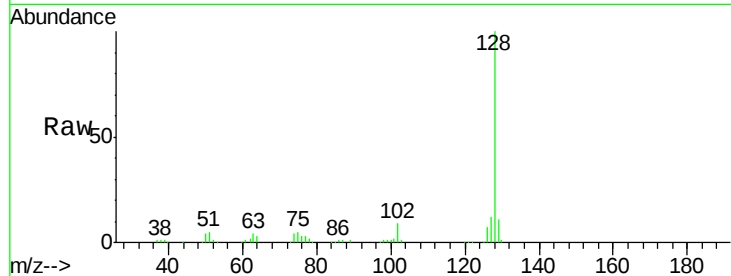
#95
Naphthalene
Concen: 47.039 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Instrument :
MSVOA_D
ClientSampleId :
P026-SS015-1824-01MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	364314		
127	12.4	9.8	14.8	
129	10.8	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
5/14/2019 9:50:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.687 ug/l
RT: 16.28 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD062327.D
Acq: 14 May 2019 2:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	173307		
182	95.7	47.0	141.0	
145	28.0	17.0	51.0	

