

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052019\
 Data File : VD062457.D
 Acq On : 20 May 2019 15:44
 Operator : FY/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/22/2019 4:49:03 AM

Quant Time: May 21 03:34:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 20 16:04:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	684898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	960494	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	812887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	420314	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	374192	58.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.58%	
35) Dibromofluoromethane	6.94	113	446526	56.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.06%	
50) Toluene-d8	10.43	98	960355	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
62) 4-Bromofluorobenzene	13.57	95	425079	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	322043	49.163	ug/l	99
3) Chloromethane	1.75	50	217878	46.032	ug/l	92
4) Vinyl Chloride	1.86	62	240837	51.774	ug/l	100
5) Bromomethane	2.15	94	104518	95.891	ug/l	95
6) Chloroethane	2.28	64	123413	63.227	ug/l	95
7) Trichlorofluoromethane	2.53	101	579374	64.065	ug/l	99
8) Diethyl Ether	2.88	74	74009	42.433	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.15	101	343111	50.154	ug/l #	92
10) Methyl Iodide	3.31	142	516126	49.918	ug/l #	84
11) Tert butyl alcohol	4.10	59	83920	258.302	ug/l	96
12) 1,1-Dichloroethene	3.13	96	255284	48.884	ug/l #	81
13) Acrolein	3.05	56	66082	196.651	ug/l	91
14) Allyl chloride	3.63	41	352617	46.439	ug/l #	76
15) Acrylonitrile	4.22	53	180446	211.305	ug/l #	85
16) Acetone	3.23	43	346290	259.437	ug/l #	79
17) Carbon Disulfide	3.38	76	762619	50.764	ug/l	98
18) Methyl Acetate	3.66	43	106535	40.693	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	562285	50.233	ug/l	93
20) Methylene Chloride	3.82	84	287386	51.566	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	287517	49.477	ug/l	92
22) Diisopropyl ether	5.14	45	784372	48.544	ug/l	90
23) Vinyl Acetate	5.07	43	2458292	288.359	ug/l	97
24) 1,1-Dichloroethane	5.00	63	486402	49.900	ug/l	97
25) 2-Butanone	6.09	43	348437	239.324	ug/l	91
26) 2,2-Dichloropropane	6.04	77	556777	57.343	ug/l	93
27) cis-1,2-Dichloroethene	6.06	96	317693	48.841	ug/l	89
28) Bromochloromethane	6.45	49	182913	47.696	ug/l	86
29) Tetrahydrofuran	6.48	42	160117	238.686	ug/l	98
30) Chloroform	6.68	83	657983	56.011	ug/l	97
31) Cyclohexane	6.97	56	357094	53.473	ug/l	94
32) 1,1,1-Trichloroethane	6.89	97	689947	62.138	ug/l	99
36) 1,1-Dichloropropene	7.17	75	441133	56.016	ug/l	95
37) Ethyl Acetate	6.21	43	175598	52.578	ug/l #	90
38) Carbon Tetrachloride	7.13	117	670650m	61.528	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	365354	48.421	ug/l	94
40) Benzene	7.47	78	897307	50.459	ug/l	98
41) Methacrylonitrile	6.47	41	225226	55.185	ug/l #	83
42) 1,2-Dichloroethane	7.59	62	469658	62.335	ug/l	90
43) Isopropyl Acetate	9.26	43	233051	49.203	ug/l #	97
44) Trichloroethene	8.56	130	370829	54.724	ug/l	87
45) 1,2-Dichloropropane	8.95	63	212661	48.347	ug/l	99
46) Dibromomethane	9.08	93	198198	55.410	ug/l #	85
47) Bromodichloromethane	9.39	83	519599	59.388	ug/l	99
48) Methyl methacrylate	9.14	41	166802	57.173	ug/l #	84
49) 1,4-Dioxane	9.10	88	30129	957.135	ug/l #	88
51) 4-Methyl-2-Pentanone	10.32	43	781871	256.801	ug/l	92
52) Toluene	10.53	92	613681	53.039	ug/l	100
53) t-1,3-Dichloropropene	10.93	75	419132	55.428	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	462332	56.045	ug/l #	86
55) 1,1,2-Trichloroethane	11.20	97	198077	48.384	ug/l	97
56) Ethyl methacrylate	11.06	69	222899	52.396	ug/l #	76
57) 1,3-Dichloropropane	11.42	76	314644	50.874	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	525188	226.009	ug/l	98
59) 2-Hexanone	11.55	43	583850	260.179	ug/l	92
60) Dibromochloromethane	11.70	129	409666	57.903	ug/l	95
61) 1,2-Dibromoethane	11.81	107	260059	52.250	ug/l	97
64) Tetrachloroethene	11.27	164	344404	54.182	ug/l	95
65) Chlorobenzene	12.40	112	740555	48.913	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	356434	54.093	ug/l	95
67) Ethyl Benzene	12.53	91	1329288	52.443	ug/l	97
68) m/p-Xylenes	12.68	106	968385	105.010	ug/l	90
69) o-Xylene	13.05	106	445952	52.015	ug/l	82
70) Styrene	13.08	104	747981	51.501	ug/l	94
71) Bromoform	13.24	173	235752	51.425	ug/l	98
73) Isopropylbenzene	13.41	105	1380028	54.774	ug/l	96
74) N-amyl acetate	13.27	43	317444	48.057	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	227157	47.625	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	241168	48.281	ug/l	98
77) Bromobenzene	13.67	156	376072	53.321	ug/l	84
78) n-propylbenzene	13.78	91	1423186	47.353	ug/l	96
79) 2-Chlorotoluene	13.85	91	861424	50.045	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1156848	54.527	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.48	75	67280	47.711	ug/l #	54
82) 4-Chlorotoluene	13.96	91	1066958	52.675	ug/l	94
83) tert-Butylbenzene	14.20	119	1251923	52.499	ug/l	90
84) 1,2,4-Trimethylbenzene	14.25	105	1158603	54.419	ug/l	90
85) sec-Butylbenzene	14.37	105	1297254	49.616	ug/l	96
86) p-Isopropyltoluene	14.50	119	1220361	52.242	ug/l	94
87) 1,3-Dichlorobenzene	14.46	146	684045	53.092	ug/l	97
88) 1,4-Dichlorobenzene	14.55	146	630901	49.836	ug/l	95
89) n-Butylbenzene	14.81	91	1125694	53.689	ug/l	95
90) Hexachloroethane	15.01	117	327088	51.489	ug/l	93
91) 1,2-Dichlorobenzene	14.82	146	523239	49.312	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	45982	58.729	ug/l	74

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VSTDICCC050

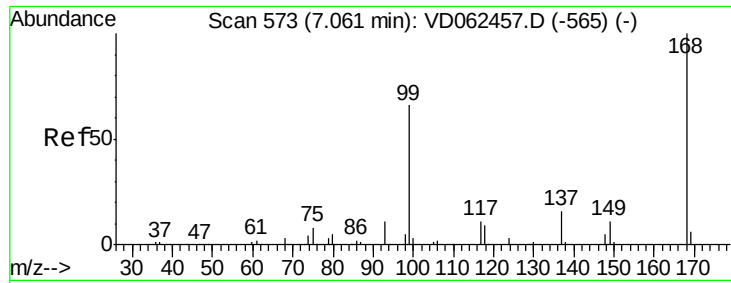
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	454468	58.844	ug/l	97
94) Hexachlorobutadiene	16.05	225	317530	55.277	ug/l	100
95) Naphthalene	16.13	128	621084	57.601	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	370723	76.345	ug/l	96

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



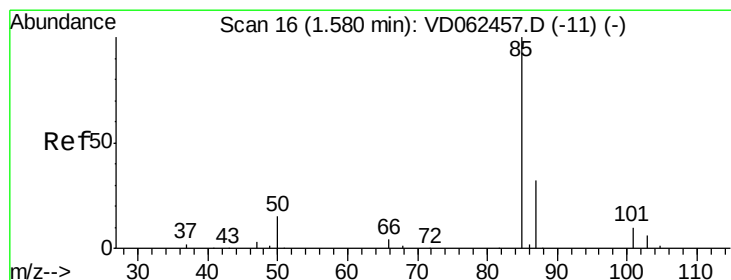
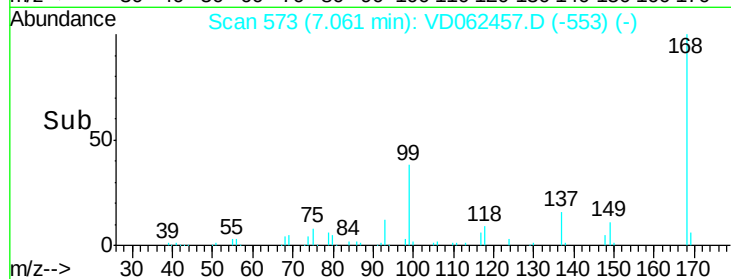
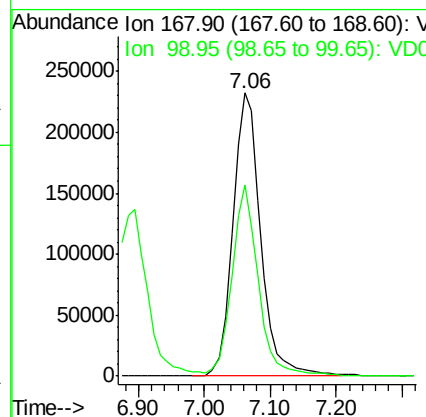
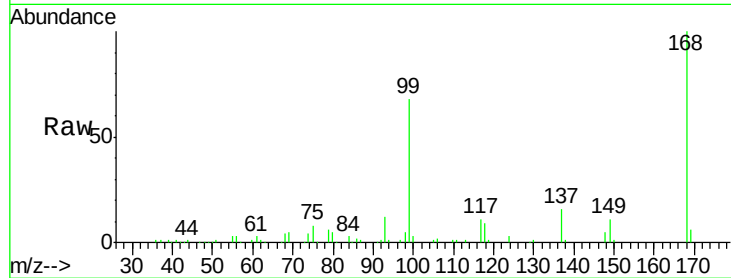
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

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ClientSampleId :
VSTDICCC050

Tot Ion:168 Resp: 684898
Ion Ratio Lower Upper
168 100
99 67.5 46.5 69.7

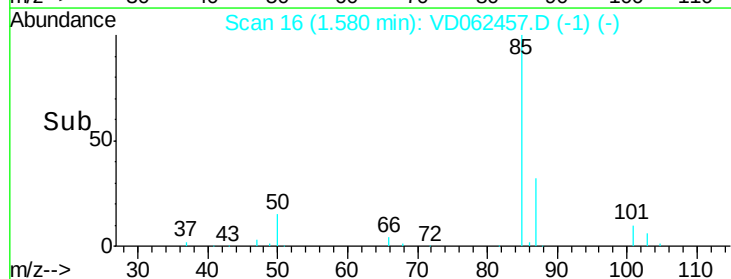
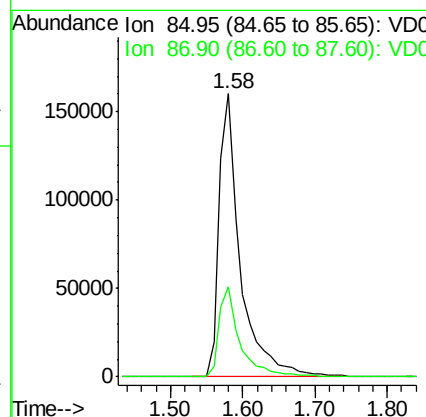
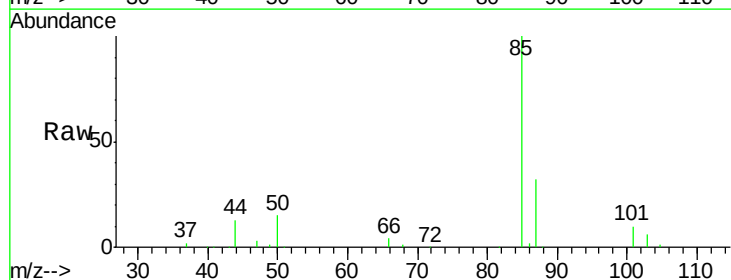
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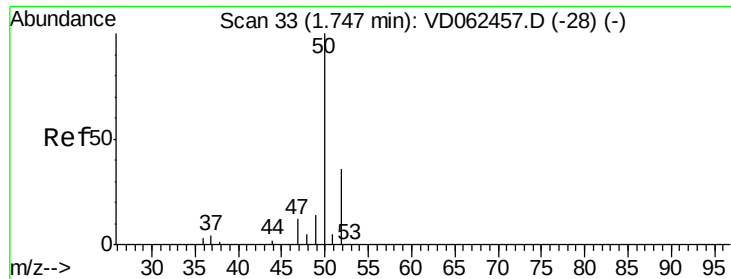
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#2
Dichlorodifluoromethane
Concen: 49.163 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion: 85 Resp: 322043
Ion Ratio Lower Upper
85 100
87 31.9 16.2 48.6





#3

Chloromethane

Concen: 46.032 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 217878

Ion Ratio Lower Upper

50 100

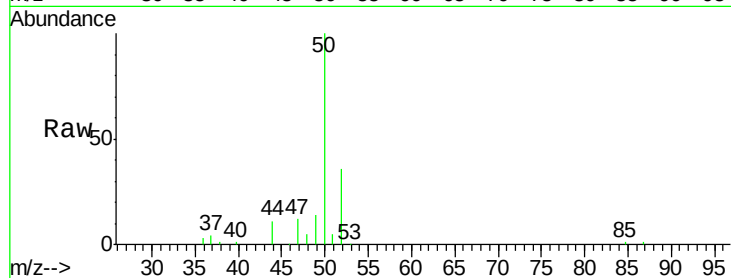
52 35.9 25.2 37.8

Manual Integrations

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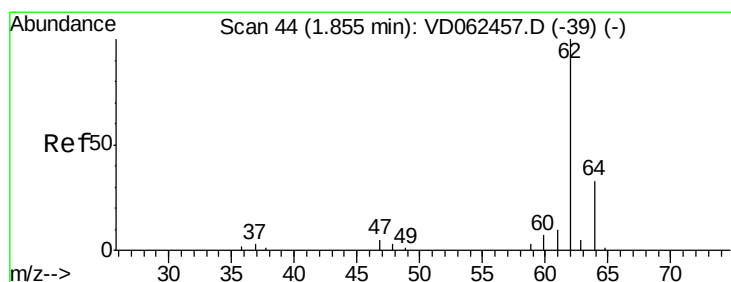
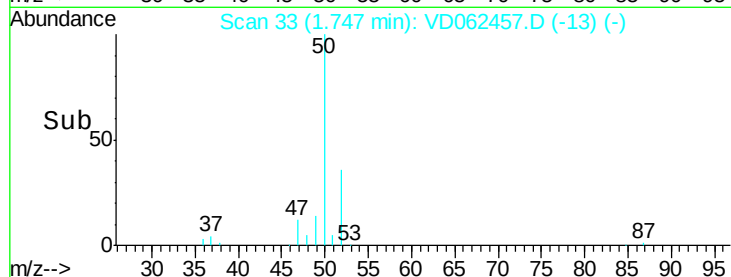
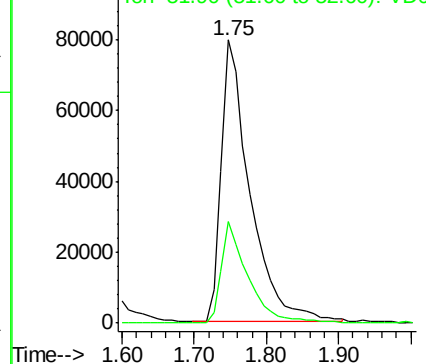
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.774 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD062457.D

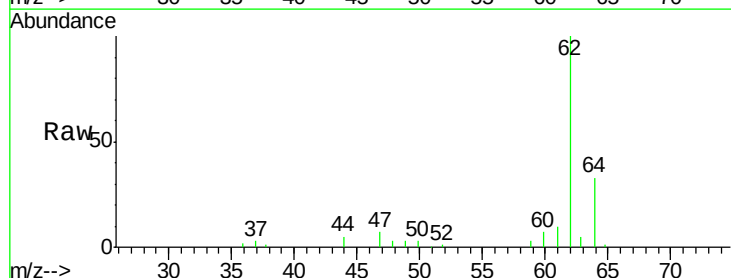
Acq: 20 May 2019 15:44

Tgt Ion: 62 Resp: 240837

Ion Ratio Lower Upper

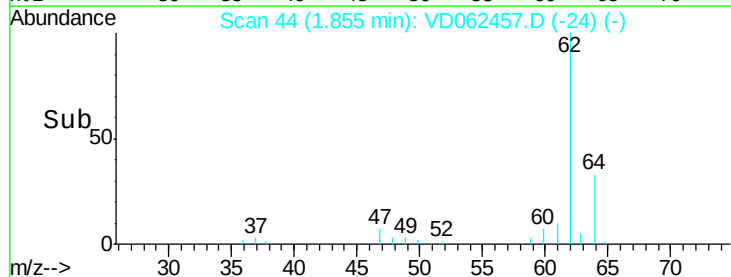
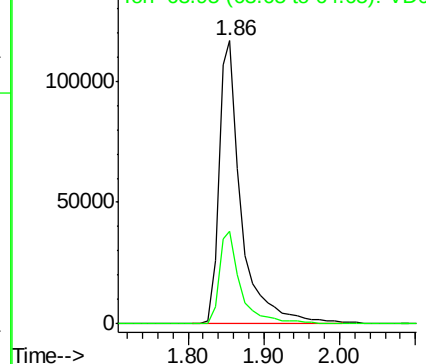
62 100

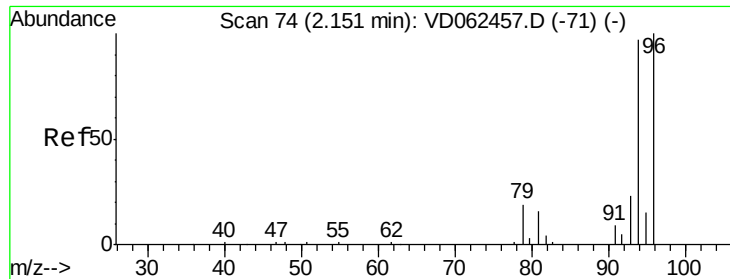
64 32.9 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 95.891 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

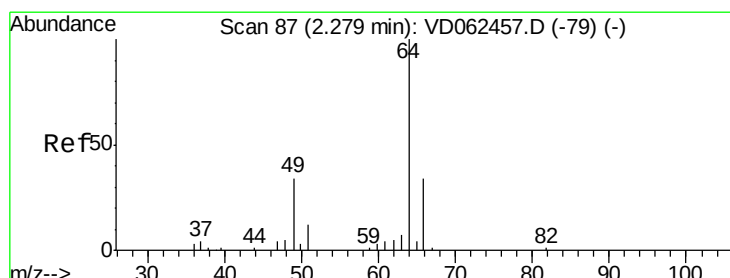
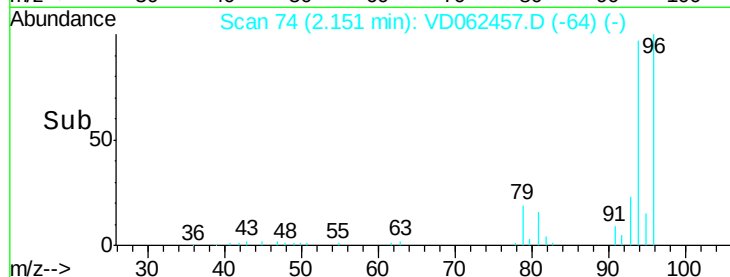
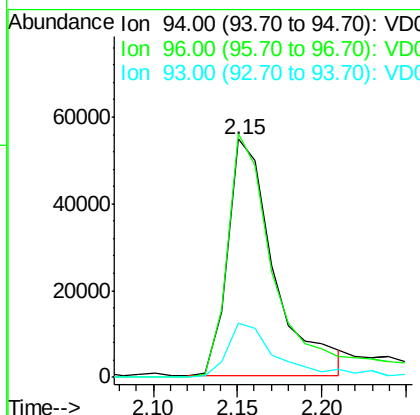
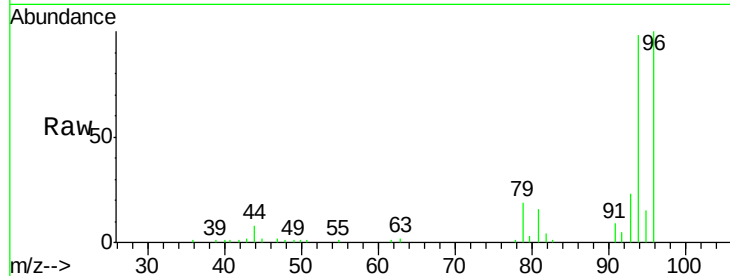
ClientSampleId :

VSTDICCC050

Tot Ion:	94	Resp:	104518
Ion	Ratio	Lower	Upper
94	100		
96	102.2	76.6	115.0
93	23.0	18.5	27.7

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#6

Chloroethane

Concen: 63.227 ug/l

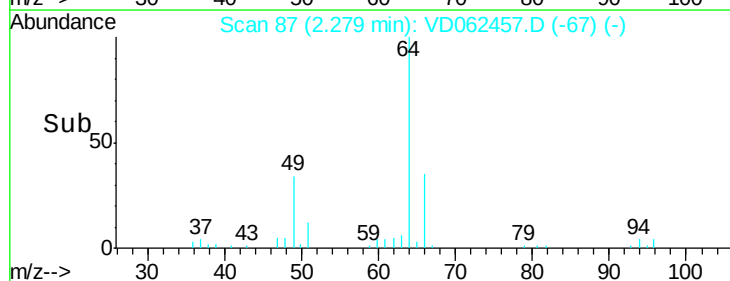
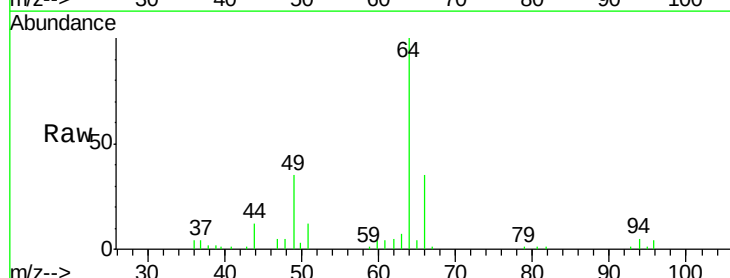
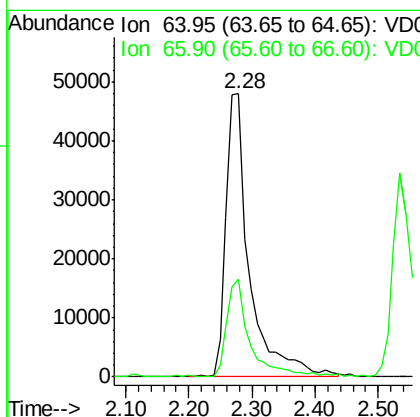
RT: 2.28 min Scan# 87

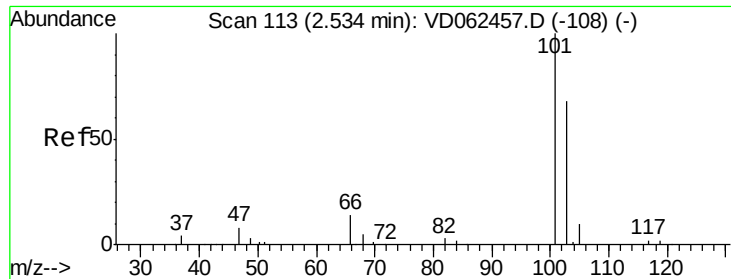
Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Tgt Ion:	64	Resp:	123413
Ion	Ratio	Lower	Upper
64	100		
66	34.6	25.6	38.4





#7

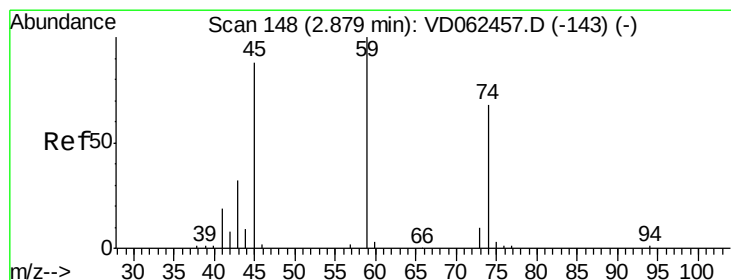
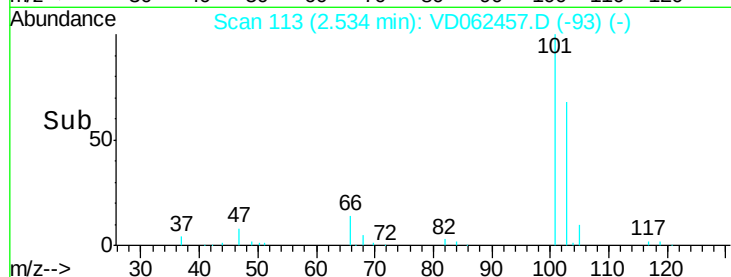
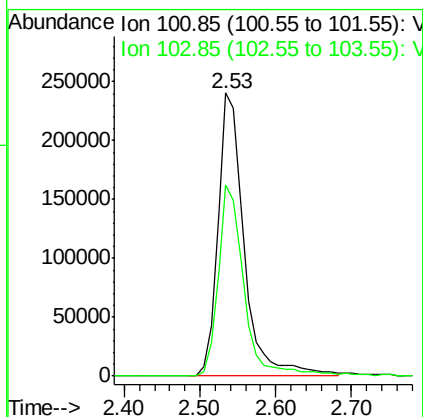
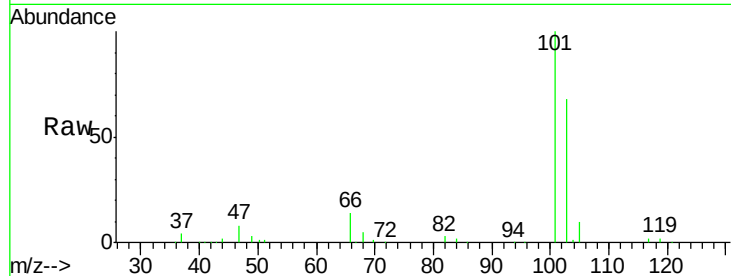
Trichlorofluoromethane
 Concen: 64.065 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		579374		
103	67.5	53.6			80.4

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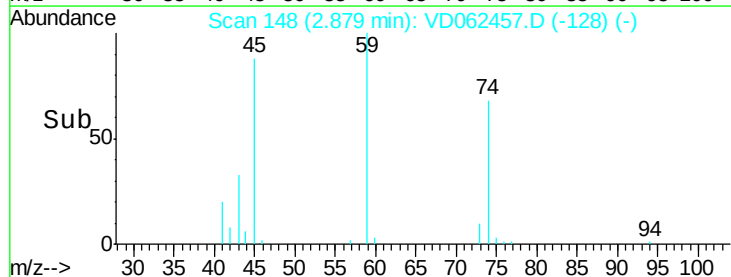
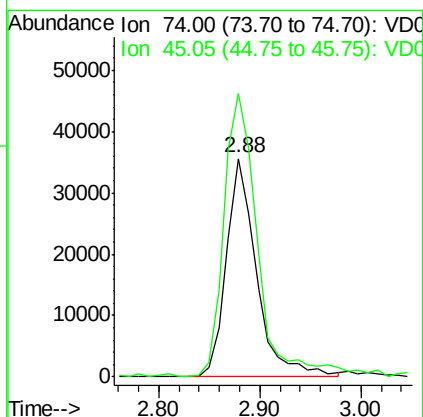
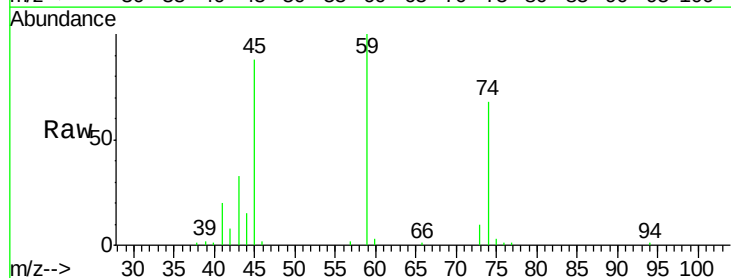
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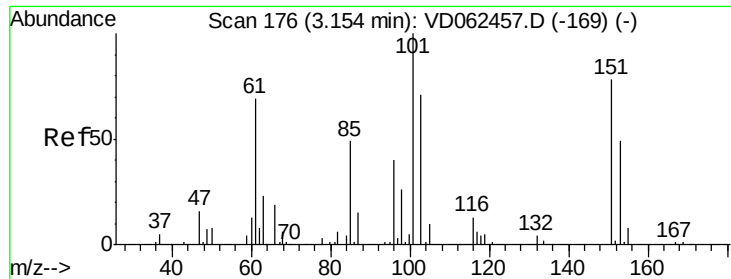


#8

Diethyl Ether
 Concen: 42.433 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		74009		
45	129.5	56.9			170.7





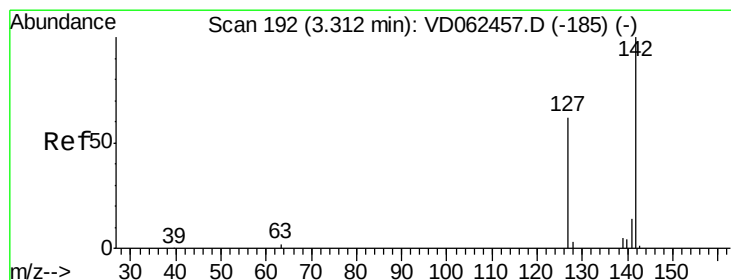
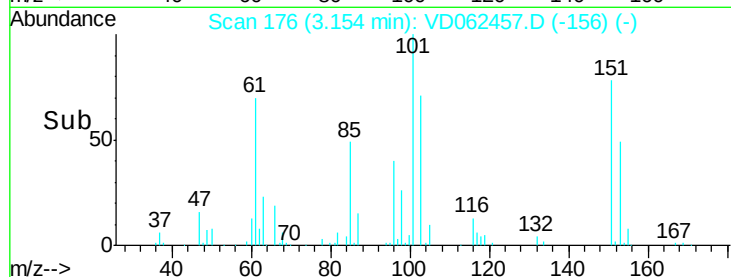
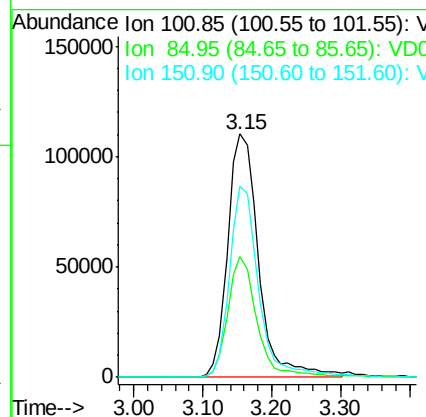
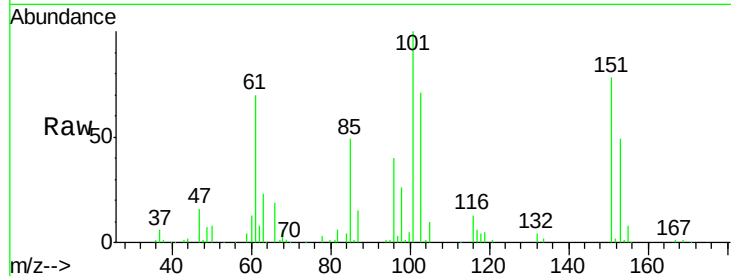
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.154 ug/l
 RT: 3.15 min Scan# 176
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Instrument :
 MSVOA_D
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 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	343111		
85	49.5	32.4	48.6#	
151	78.5	59.4	89.0	

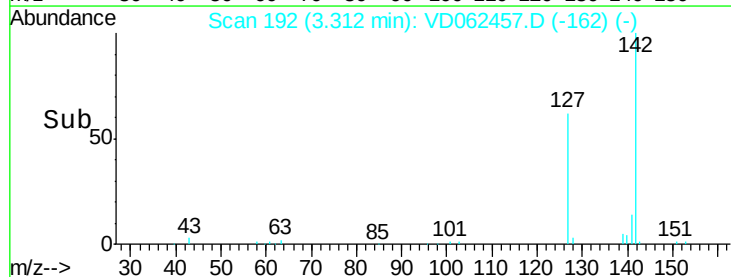
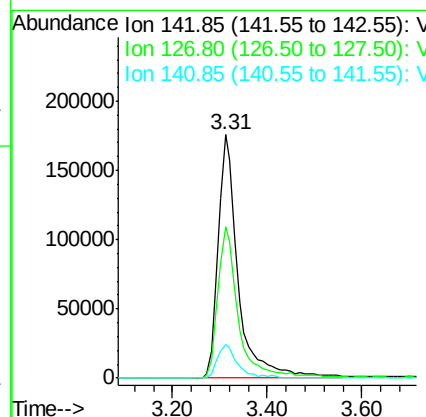
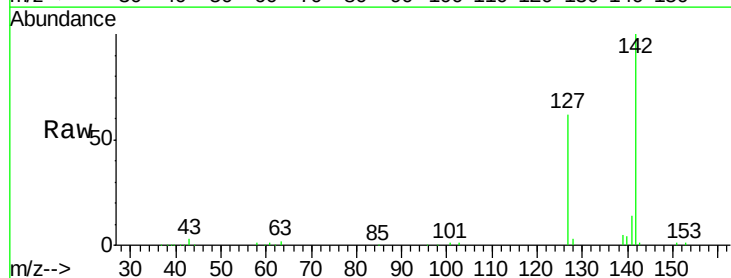
Manual Integrations
 APPROVED

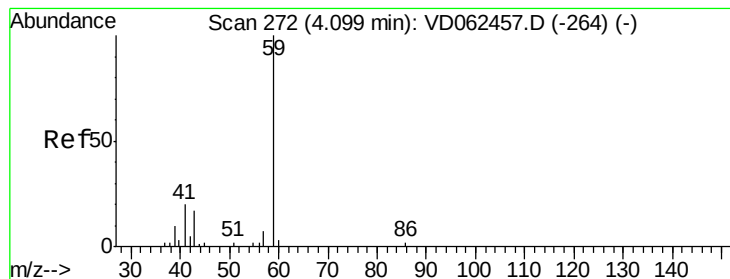
MMDadoda
 5/22/2019 4:49:03 AM



#10
 Methyl Iodide
 Concen: 49.918 ug/l
 RT: 3.31 min Scan# 192
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	516126		
127	62.2	38.8	58.2#	
141	13.9	11.4	17.0	





#11

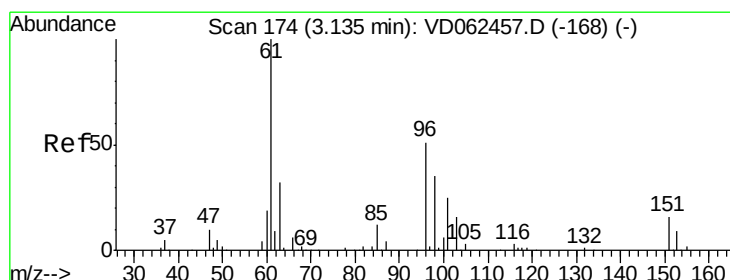
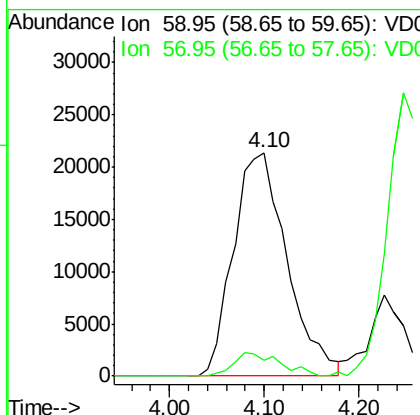
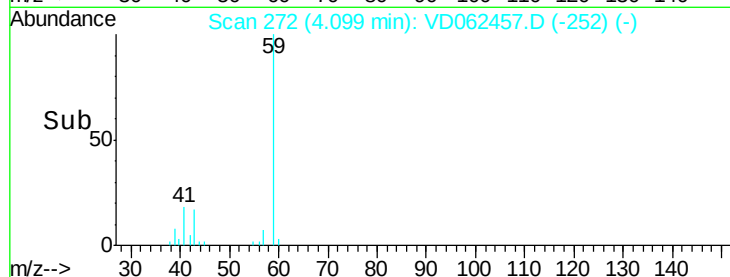
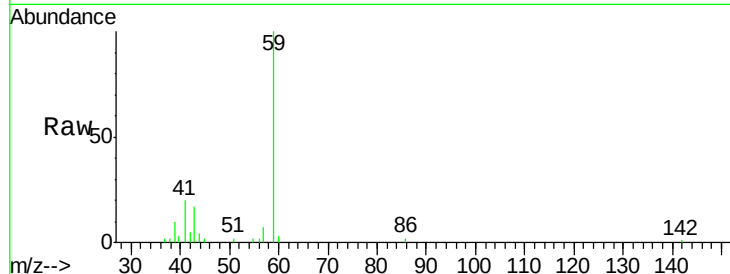
Tert butyl alcohol
 Concen: 258.302 ug/l
 RT: 4.10 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	Resp	83920
Ion Ratio	100	Lower	Upper
57	7.2	6.9	10.3

Manual Integrations
 APPROVED

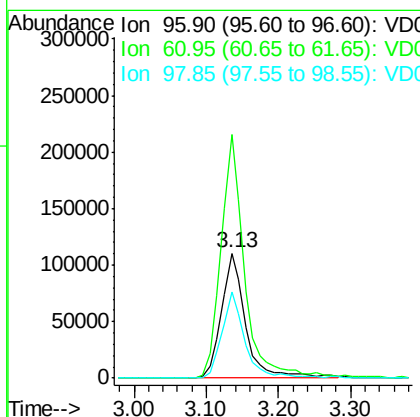
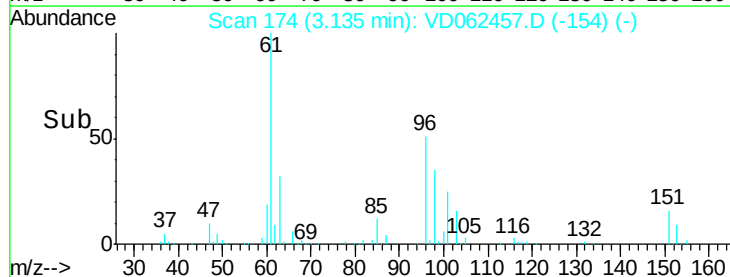
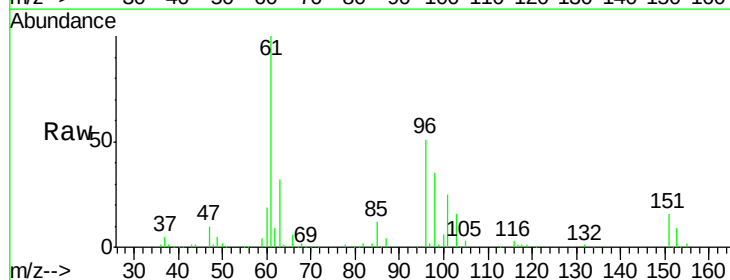
MMDadoda
 5/22/2019 4:49:03 AM

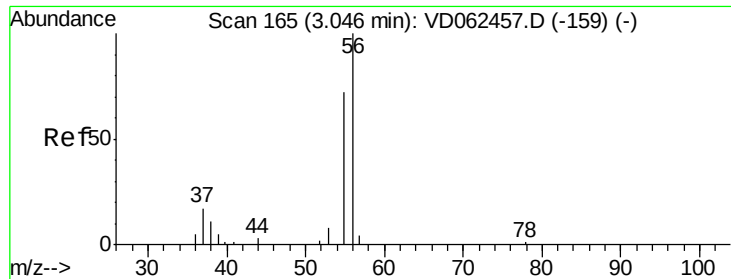


#12

1,1-Dichloroethene
 Concen: 48.884 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Tgt Ion	96	Resp	255284
Ion Ratio	100	Lower	Upper
61	195.0	129.8	194.8#
98	68.6	51.2	76.8





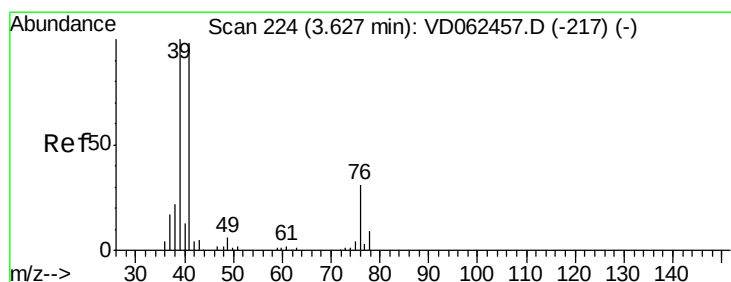
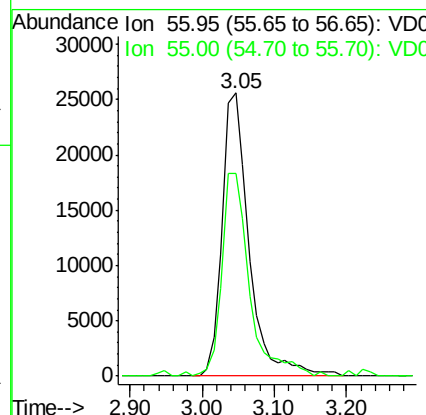
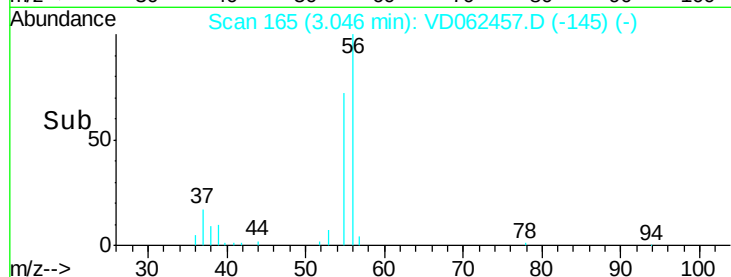
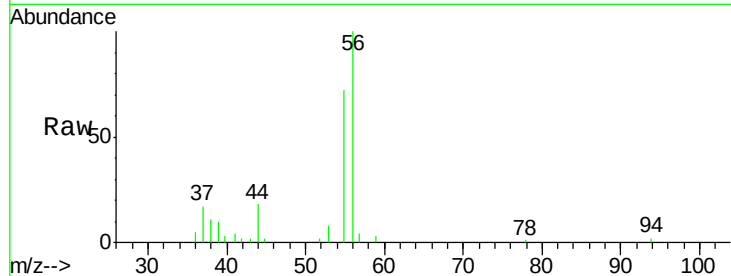
#13
Acrolein
Concen: 196.651 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 56 Resp: 66082
Ion Ratio Lower Upper
56 100
55 71.6 51.4 77.2

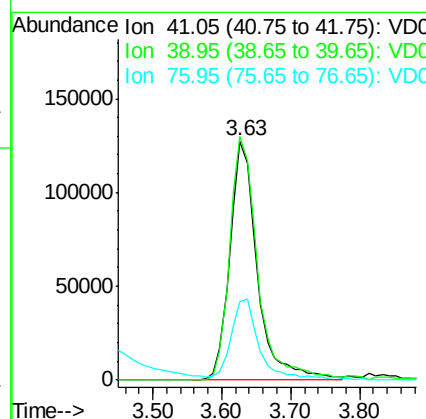
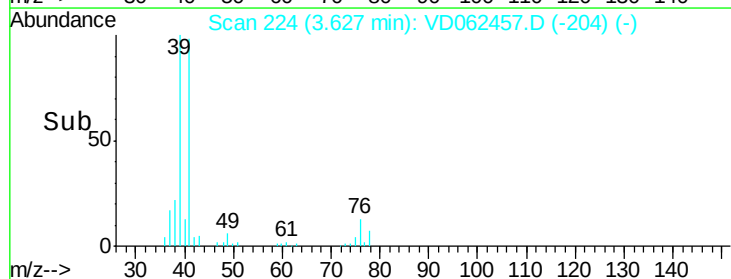
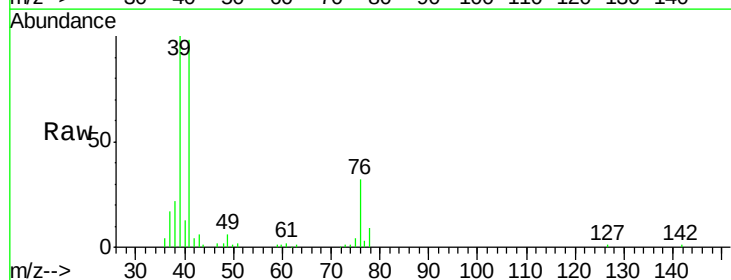
Manual Integrations
APPROVED

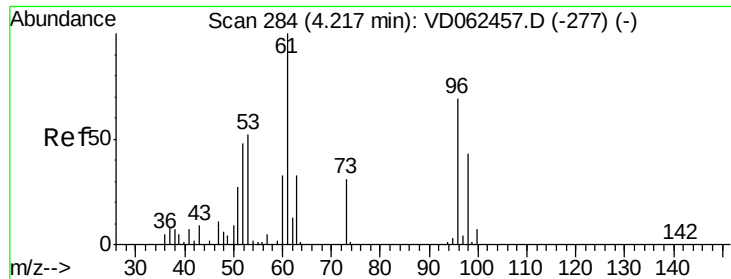
MMDadoda
5/22/2019 4:49:03 AM



#14
Allyl chloride
Concen: 46.439 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion: 41 Resp: 352617
Ion Ratio Lower Upper
41 100
39 102.1 60.5 90.7#
76 33.0 31.8 47.8





#15

Acrylonitrile

Concen: 211.305 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 53 Resp: 180446

Ion Ratio Lower Upper

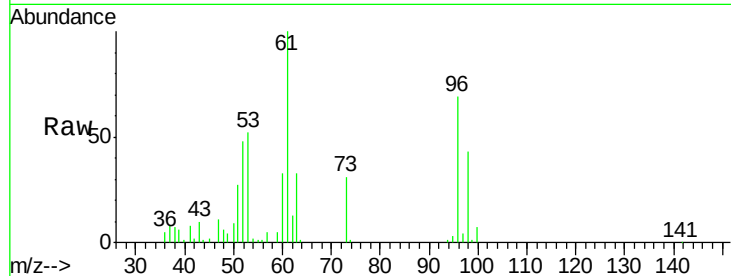
53 100

52 92.9 65.0 97.4

51 52.5 32.6 48.8#

Manual Integrations
APPROVED

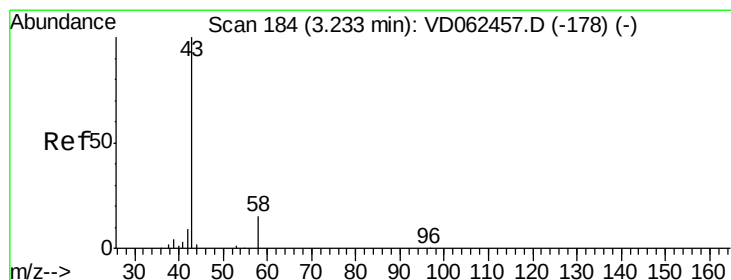
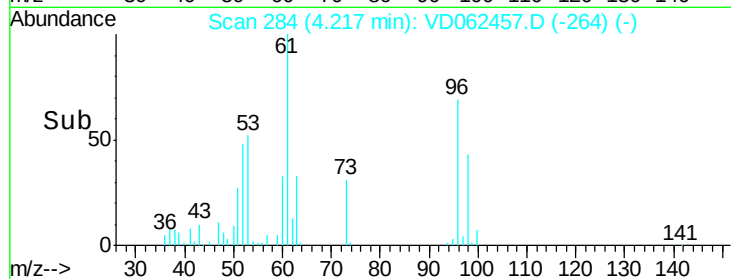
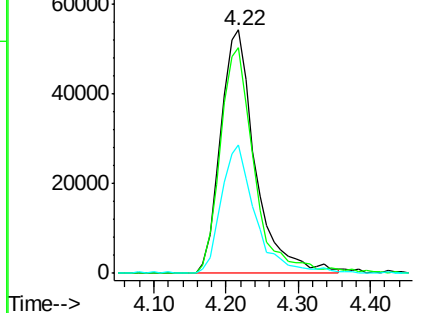
MMDadoda
5/22/2019 4:49:03 AM



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 259.437 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.00 min

Lab File: VD062457.D

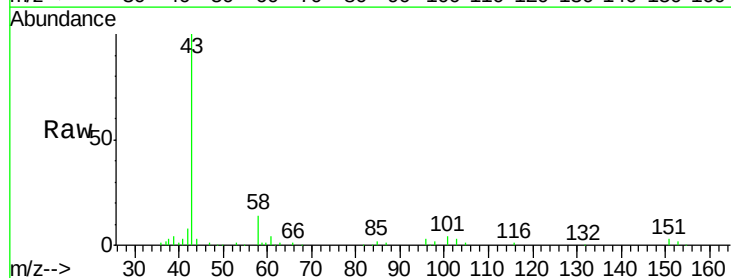
Acq: 20 May 2019 15:44

Tgt Ion: 43 Resp: 346290

Ion Ratio Lower Upper

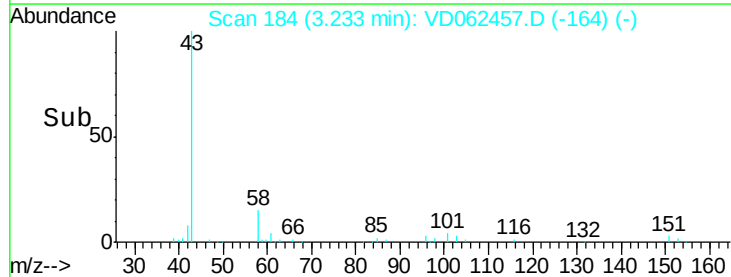
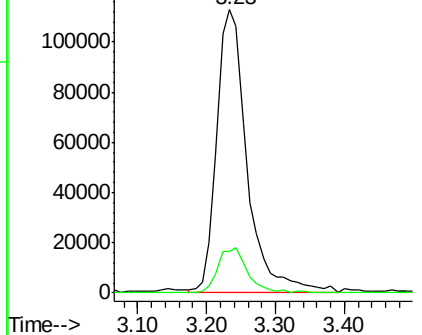
43 100

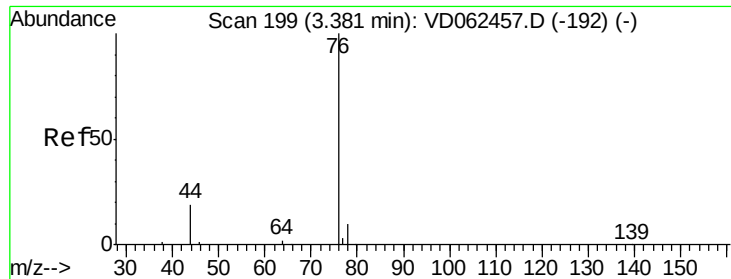
58 14.5 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 50.764 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 762619

Ion Ratio Lower Upper

76 100

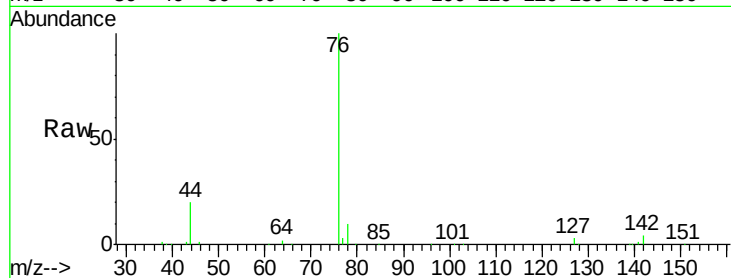
78 9.8 7.2 10.8

Manual Integrations

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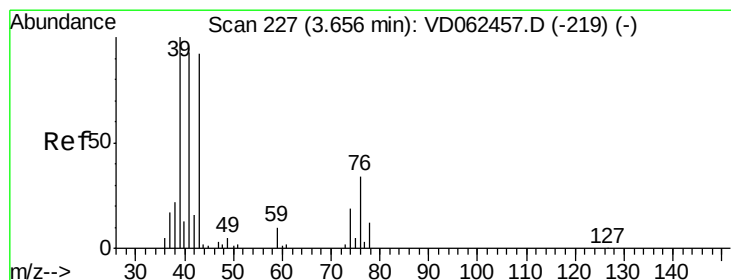
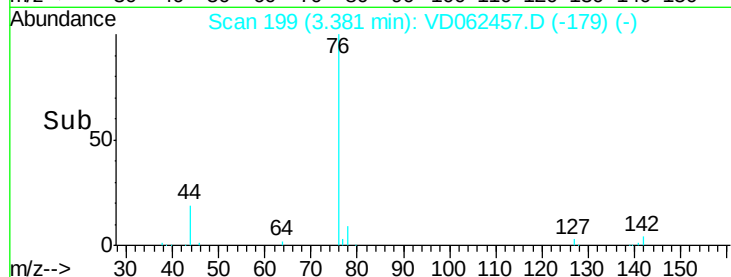
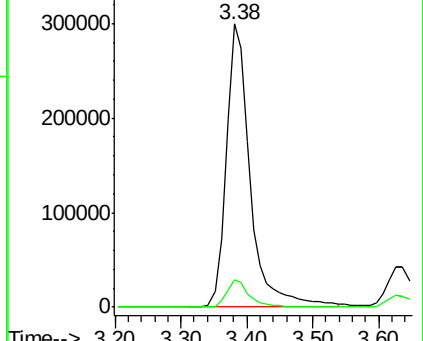
MMDadoda

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 40.693 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.00 min

Lab File: VD062457.D

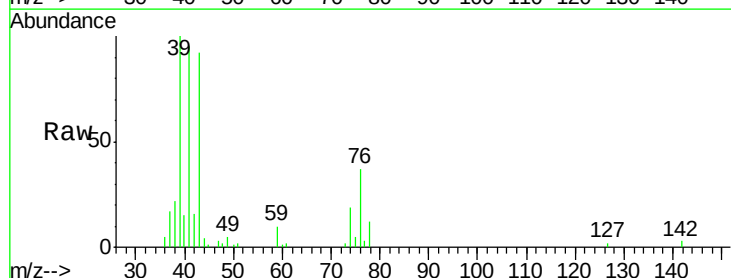
Acq: 20 May 2019 15:44

Tgt Ion: 43 Resp: 106535

Ion Ratio Lower Upper

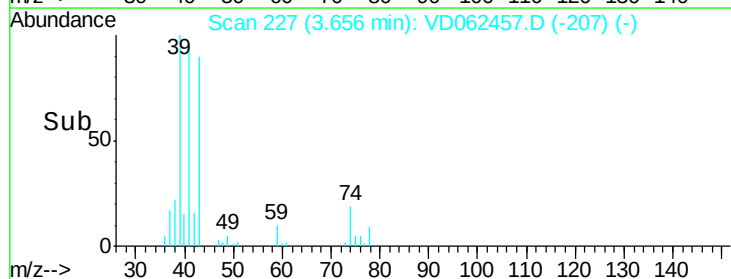
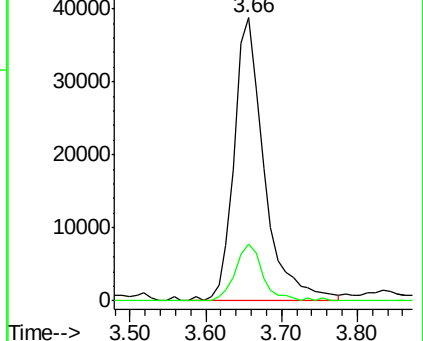
43 100

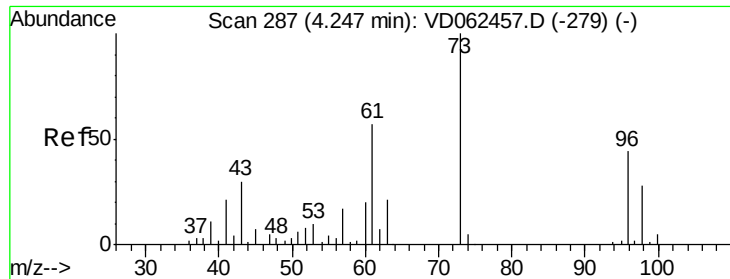
74 20.3 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





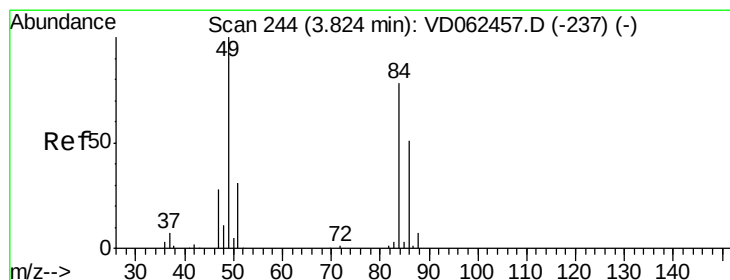
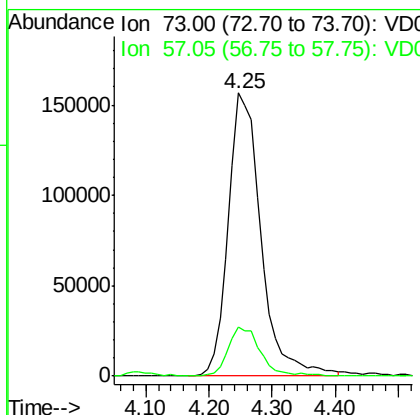
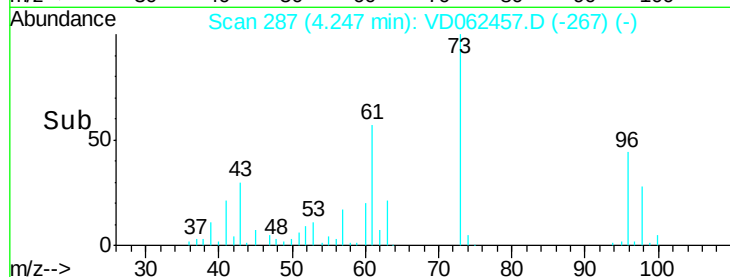
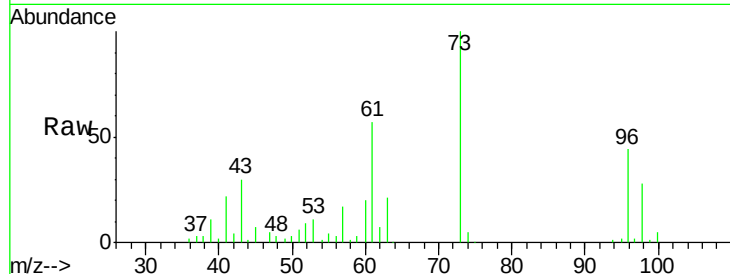
#19
Methyl tert-butyl Ether
Concen: 50.233 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 562285
Ion Ratio Lower Upper
73 100
57 17.3 16.3 24.5

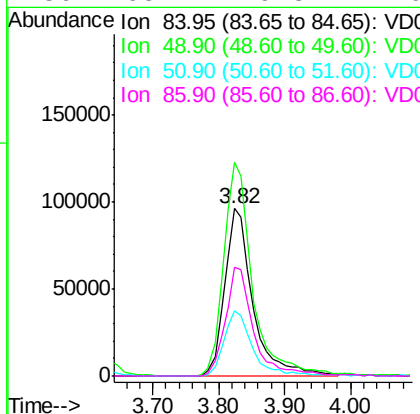
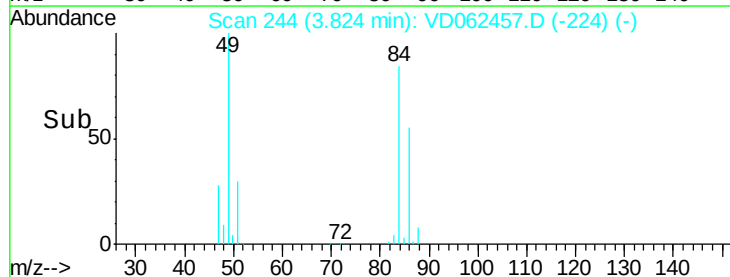
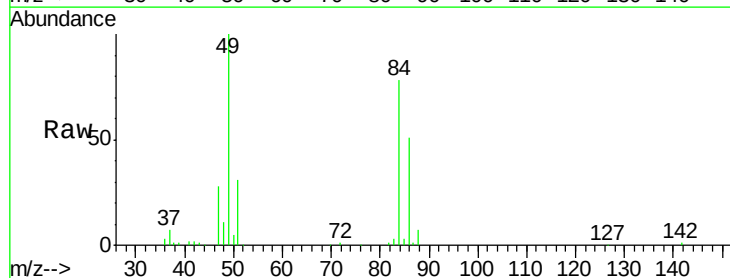
Manual Integrations
APPROVED

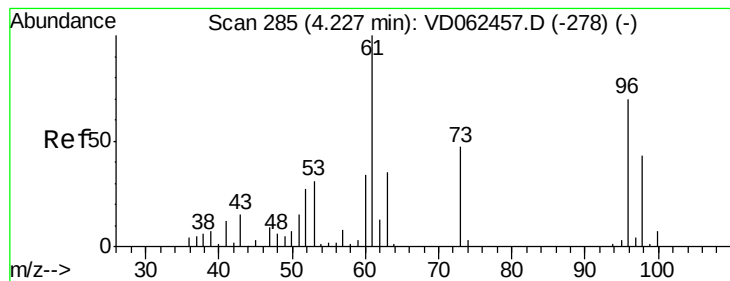
MMDadoda
5/22/2019 4:49:03 AM



#20
Methylene Chloride
Concen: 51.566 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion: 84 Resp: 287386
Ion Ratio Lower Upper
84 100
49 127.8 94.0 141.0
51 39.2 29.0 43.4
86 65.1 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.477 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 287517
Ion Ratio Lower Upper

96 100

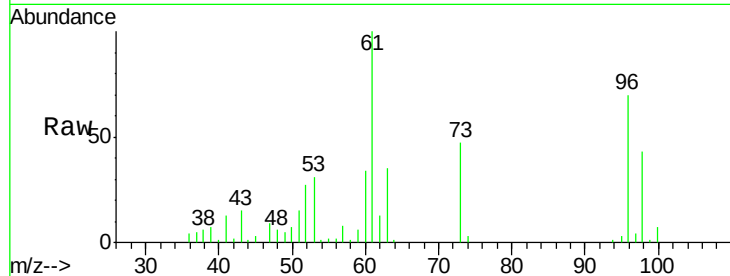
61 142.0 104.4 156.6

98 61.0 51.8 77.8

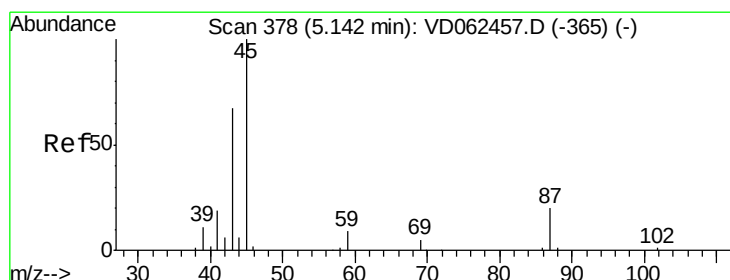
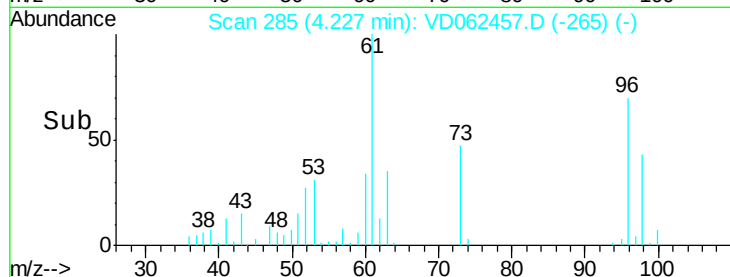
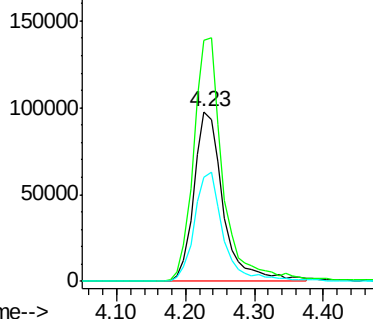
Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 48.544 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

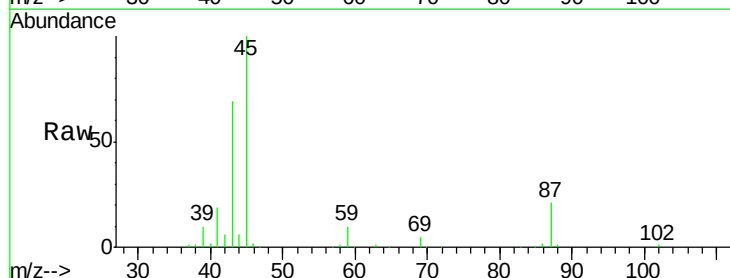
Tgt Ion: 45 Resp: 784372
Ion Ratio Lower Upper

45 100

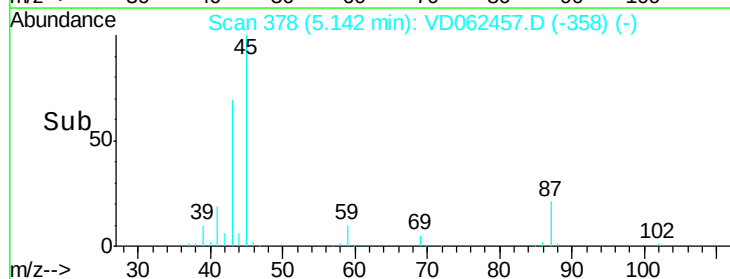
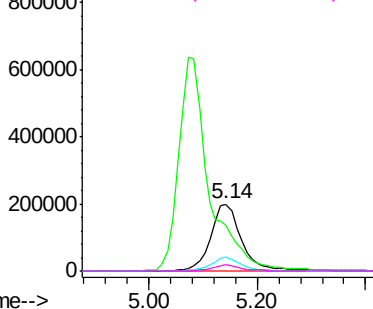
43 68.7 46.2 69.2

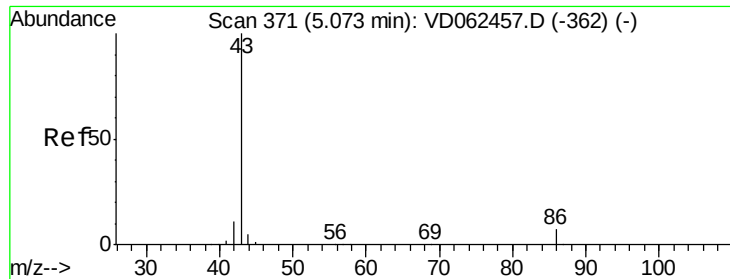
87 21.0 15.9 23.9

59 9.7 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





#23

Vinyl Acetate

Concen: 288.359 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2458292

Ion Ratio Lower Upper

43 100

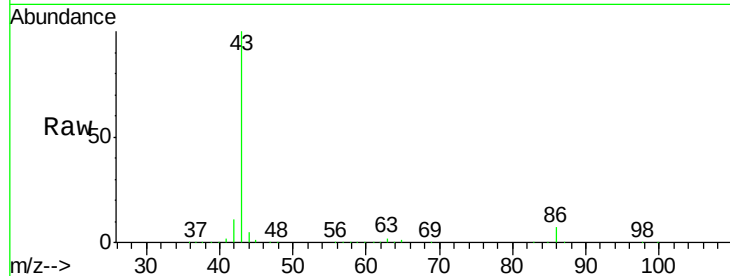
86 6.8 6.4 9.6

Manual Integrations

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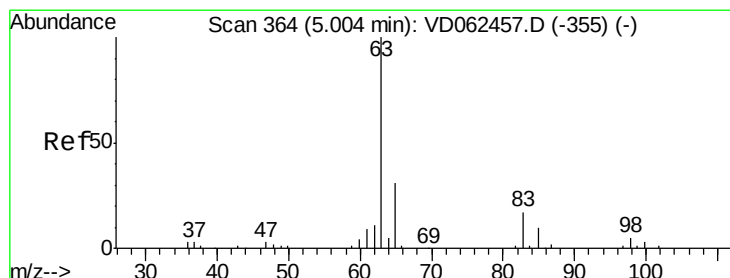
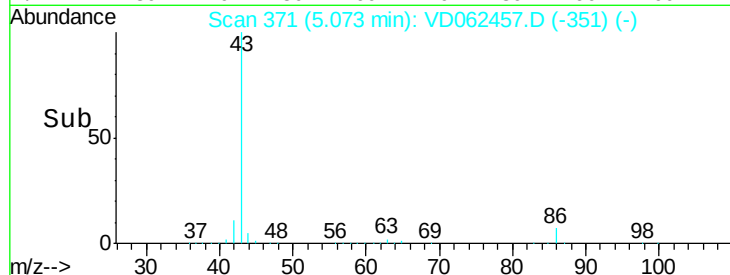
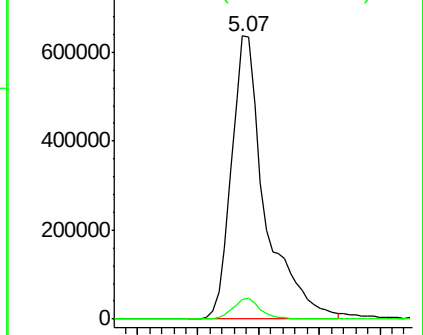
MMDadoda

5/22/2019 4:49:03 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: 49.900 ug/l

RT: 5.00 min Scan# 364

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

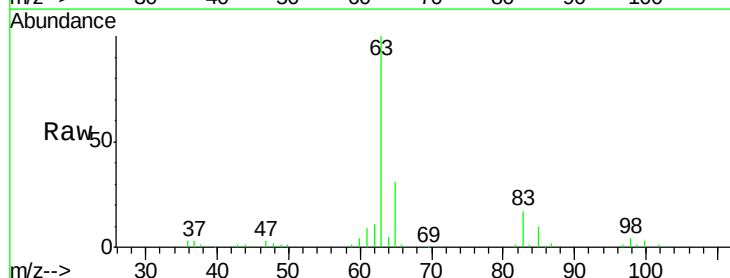
Tgt Ion: 63 Resp: 486402

Ion Ratio Lower Upper

63 100

98 4.5 2.8 8.4

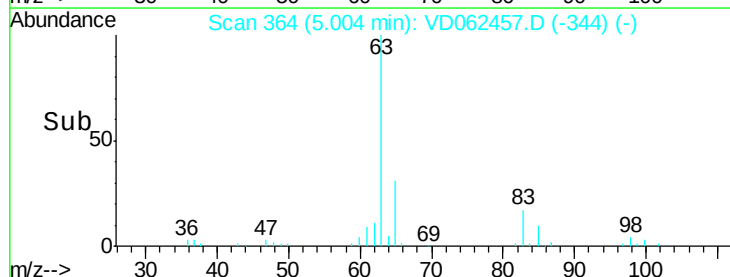
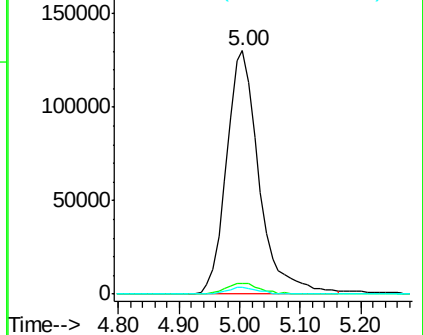
100 2.9 1.8 5.5

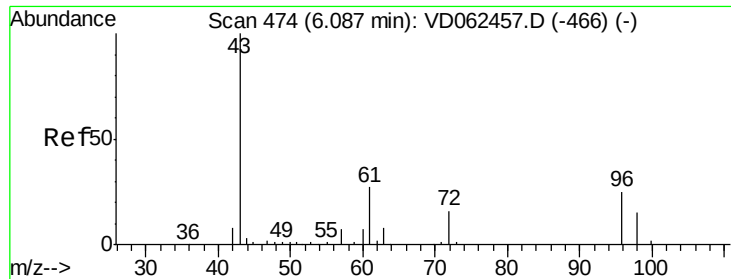


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 239.324 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 348437

Ion Ratio Lower Upper

43 100

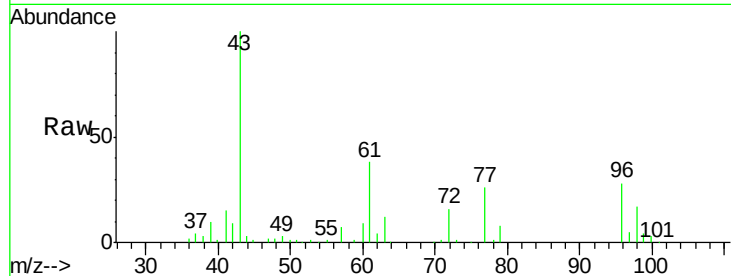
72 16.2 16.2 24.4

Manual Integrations

APPROVED

MMDadoda

5/22/2019 4:49:03 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.09

120000

100000

80000

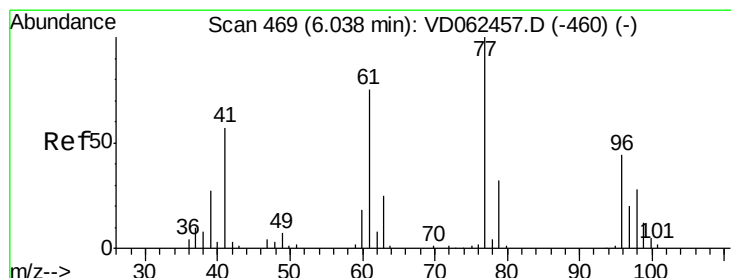
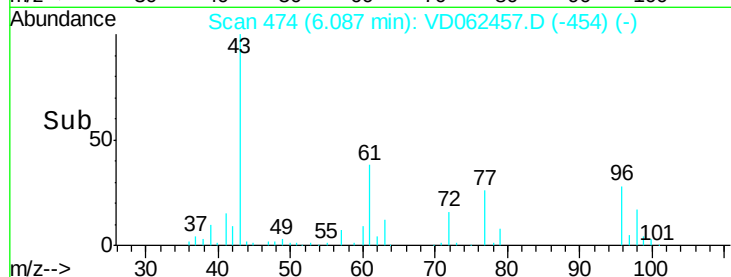
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 57.343 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD062457.D

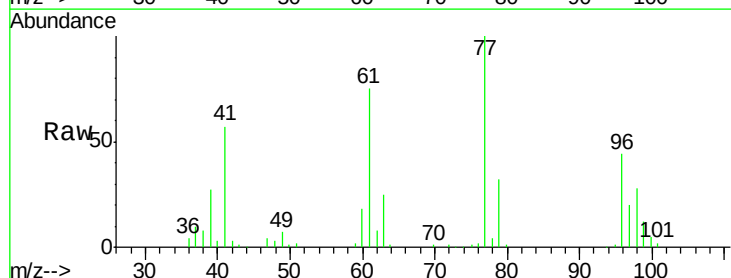
Acq: 20 May 2019 15:44

Tgt Ion: 77 Resp: 556777

Ion Ratio Lower Upper

77 100

97 20.5 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.04

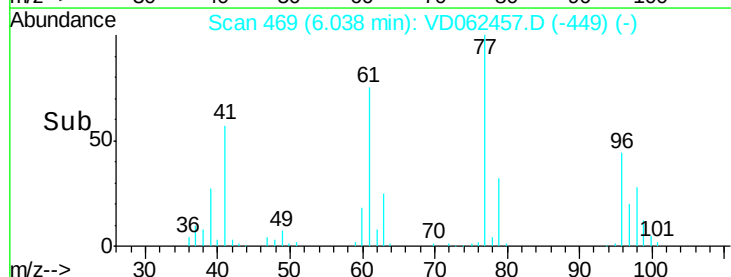
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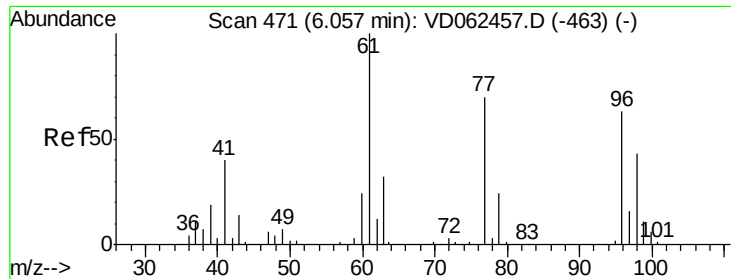
100000

50000

0

Time-->





#27

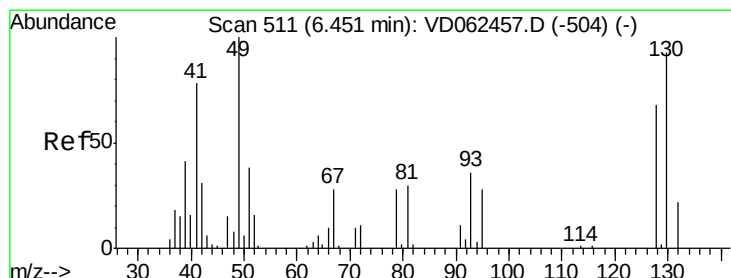
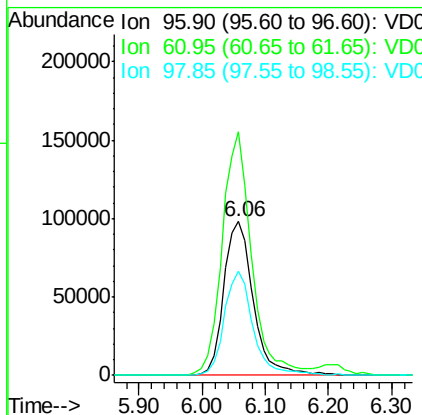
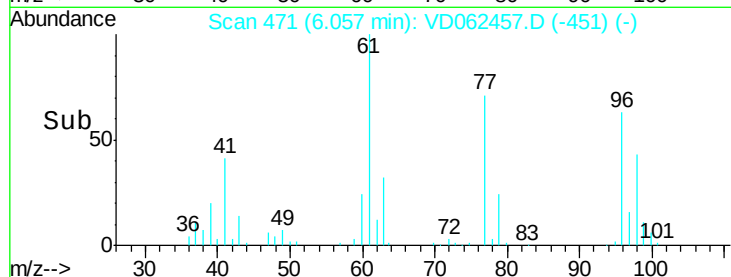
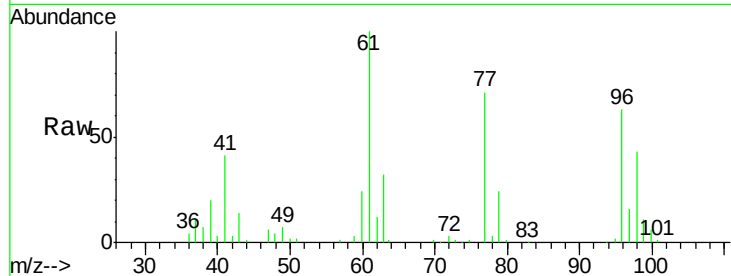
cis-1,2-Dichloroethene
Concen: 48.841 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	317693		
61	158.7	0.0	279.8	
98	67.6	0.0	136.0	

Manual Integrations
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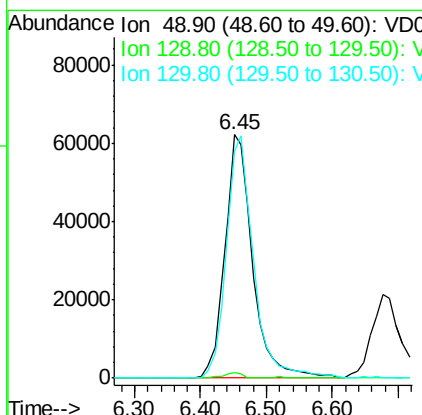
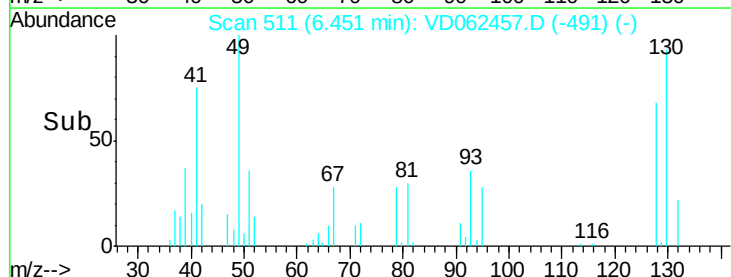
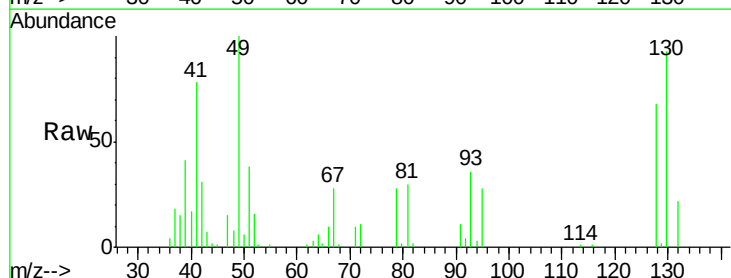
MMDadoda
5/22/2019 4:49:03 AM

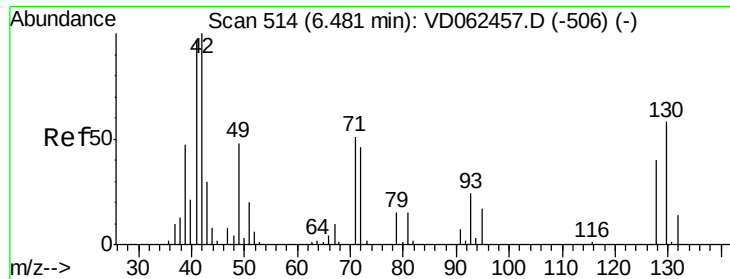


#28

Bromochloromethane
Concen: 47.696 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	182913		
129	2.3	0.0	6.6	
130	93.0	86.7	130.1	





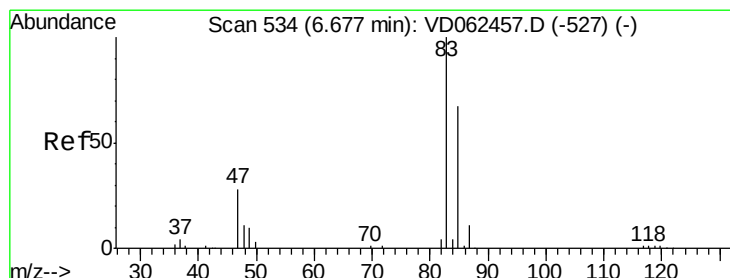
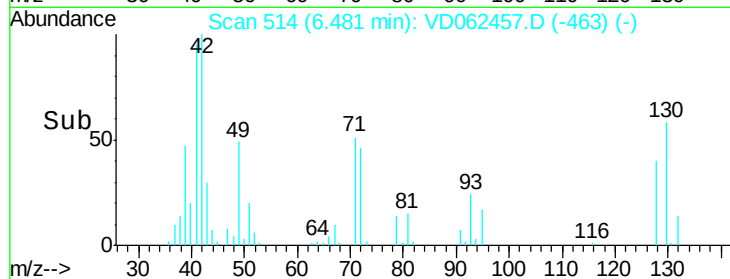
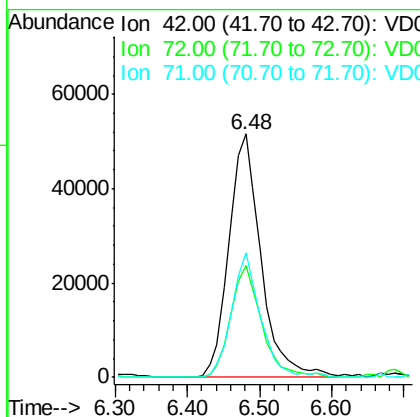
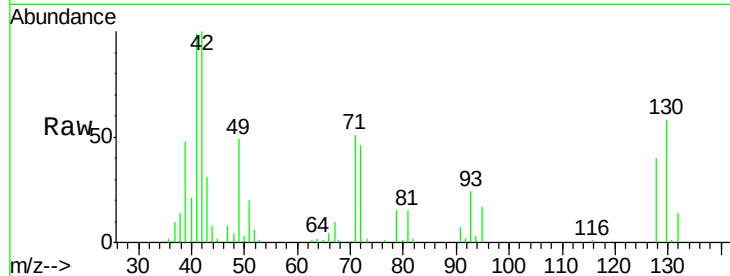
#29
Tetrahydrofuran
Concen: 238.686 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	37.8	56.6
71	46.2	36.7	55.1

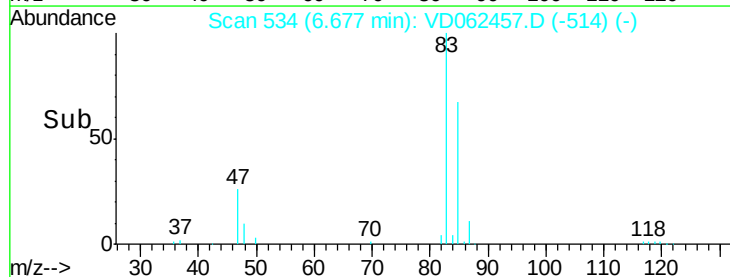
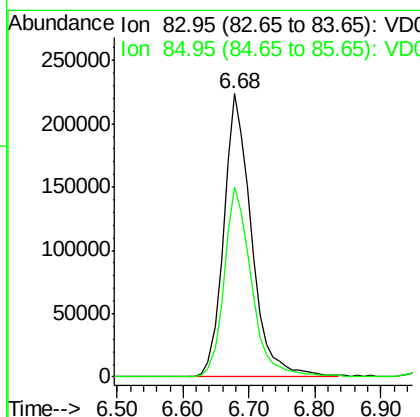
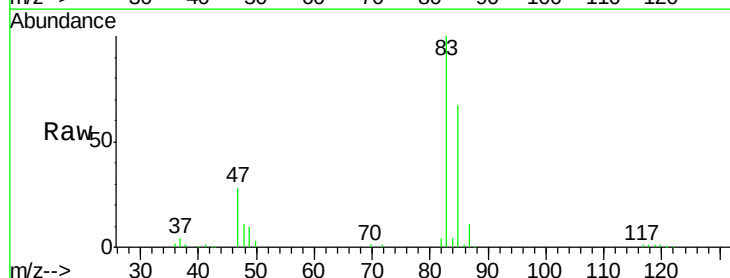
Manual Integrations
APPROVED

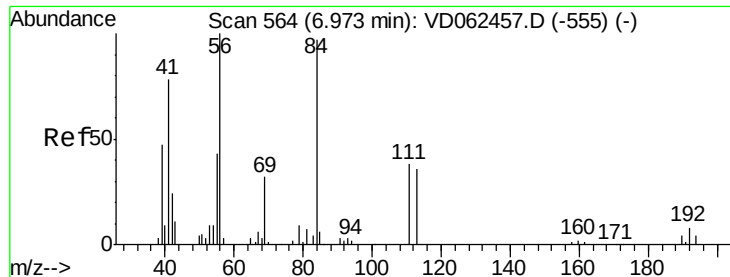
MMDadoda
5/22/2019 4:49:03 AM



#30
Chloroform
Concen: 56.011 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.7	77.5





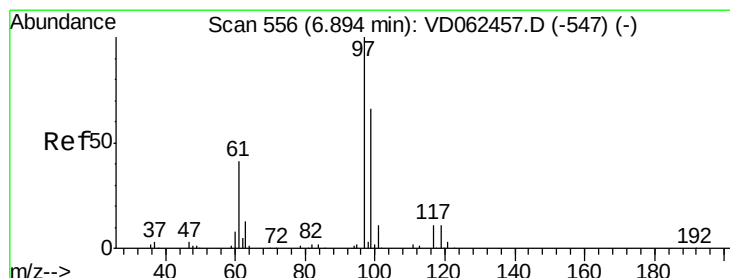
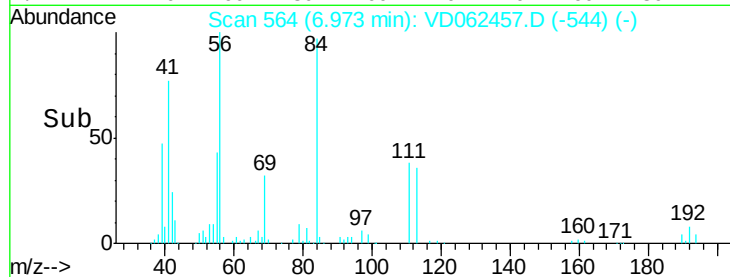
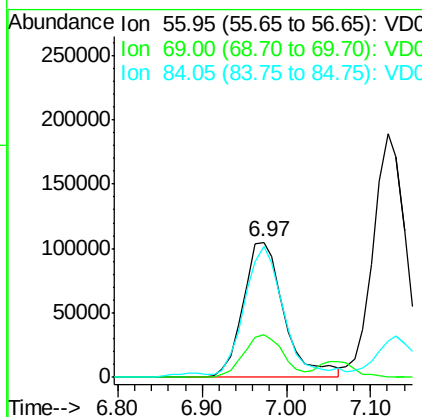
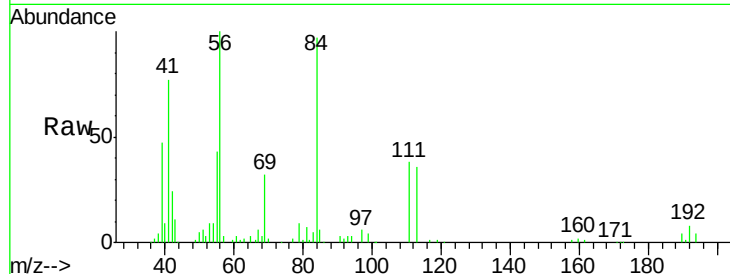
#31
Cyclohexane
Concen: 53.473 ug/l
RT: 6.97 min Scan# 564
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.8	38.6
84	97.0	72.2	108.4

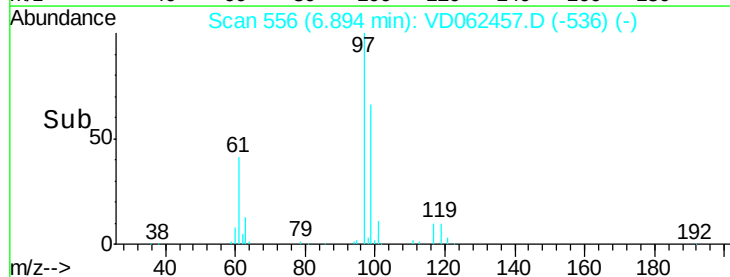
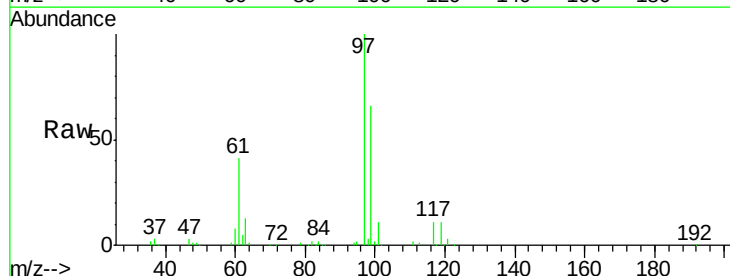
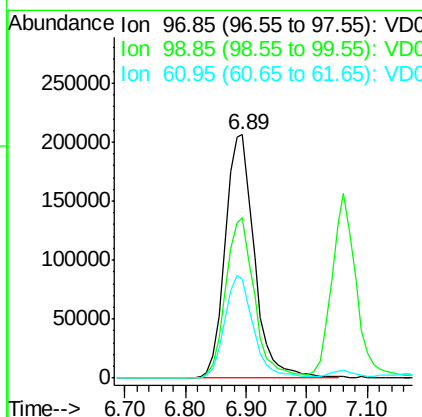
Manual Integrations
APPROVED

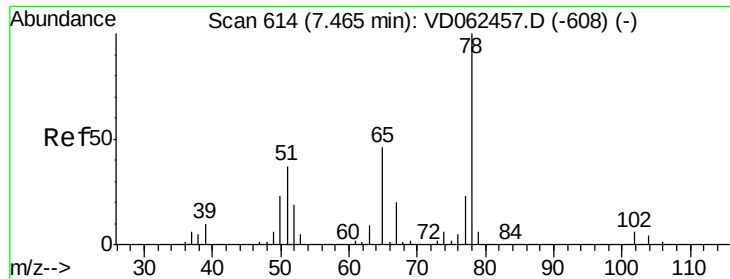
MMDadoda
5/22/2019 4:49:03 AM



#32
1,1,1-Trichloroethane
Concen: 62.138 ug/l
RT: 6.89 min Scan# 556
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.2	78.2
61	40.6	32.4	48.6





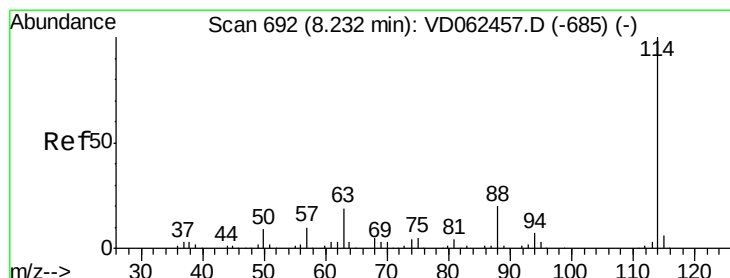
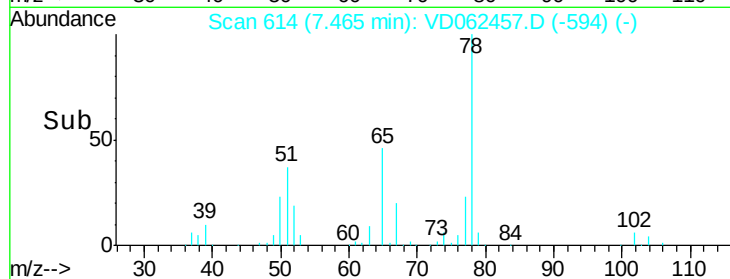
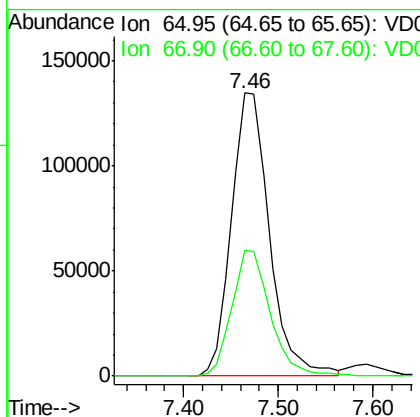
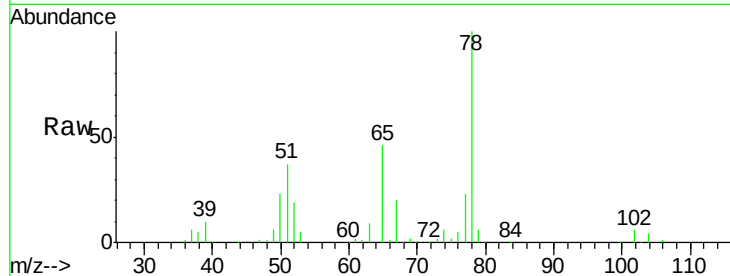
#33
 1,2-Dichloroethane-d4
 Concen: 58.790 ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	44.4	0.0	98.0	

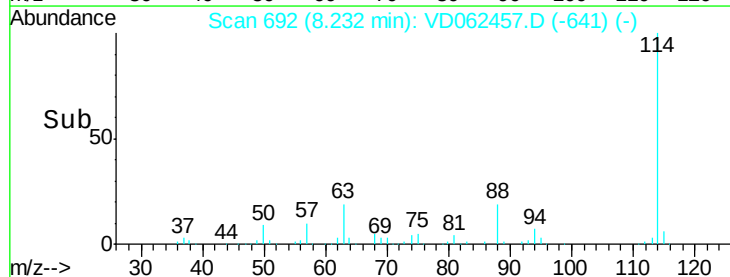
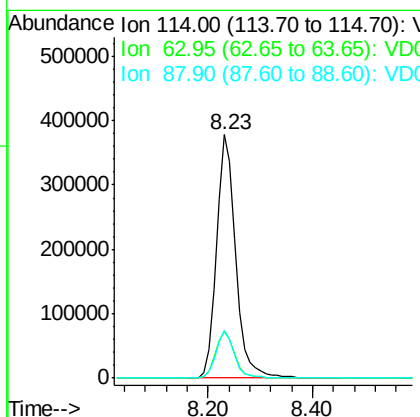
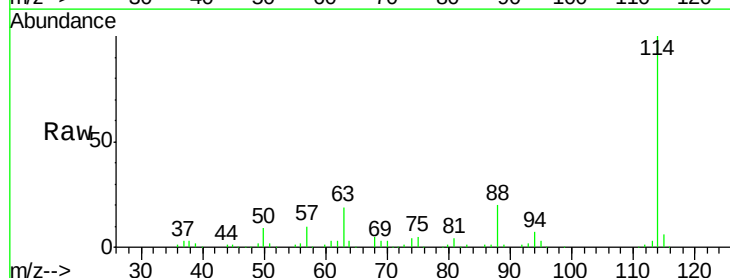
Manual Integrations
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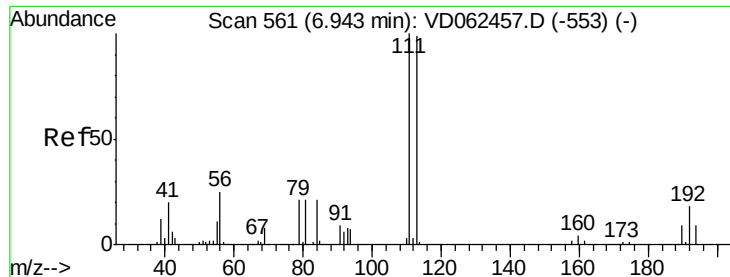
MMDadoda
 5/22/2019 4:49:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	32.4	
88	19.6	0.0	33.6	





#35

Dibromofluoromethane

Concen: 56.031 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 113 Resp: 446526

Ion Ratio Lower Upper

113 100

111 100.9 78.5 117.7

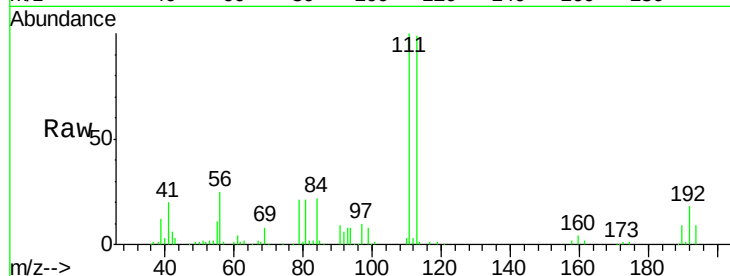
192 18.0 13.0 19.4

Manual Integrations

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MMDadoda

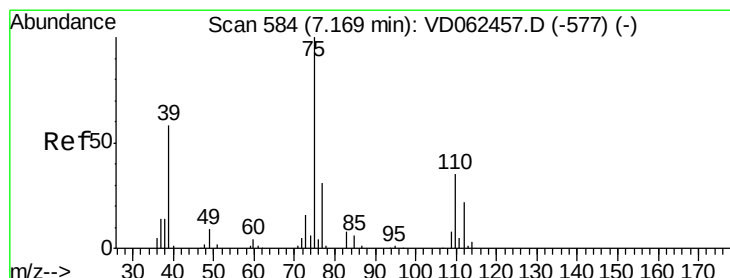
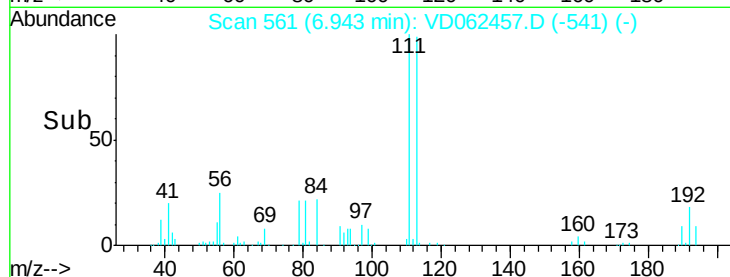
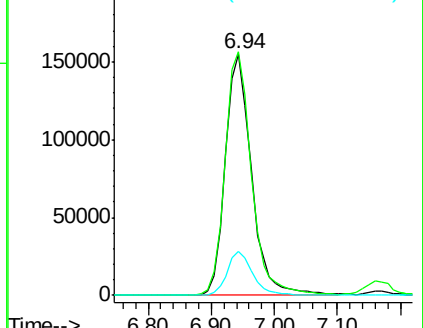
5/22/2019 4:49:03 AM



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 56.016 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

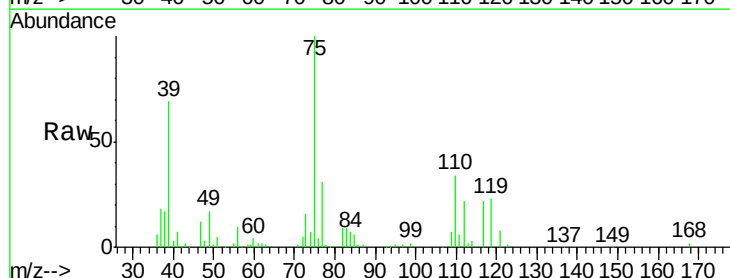
Tgt Ion: 75 Resp: 441133

Ion Ratio Lower Upper

75 100

110 33.9 19.1 57.1

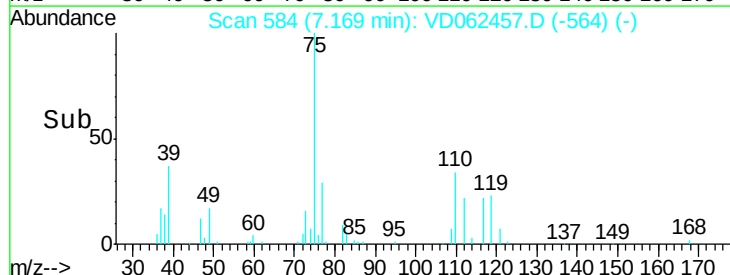
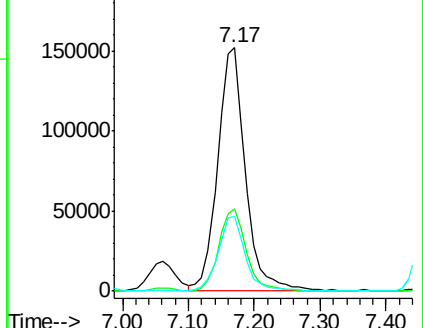
77 30.5 25.6 38.4

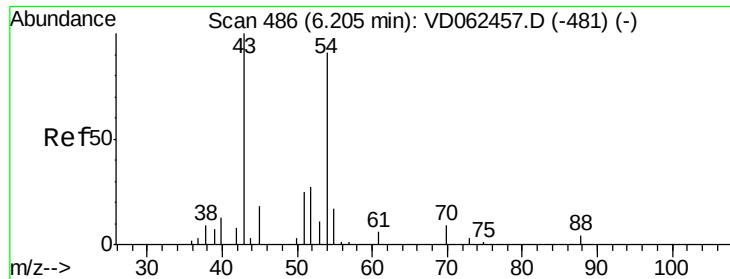


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





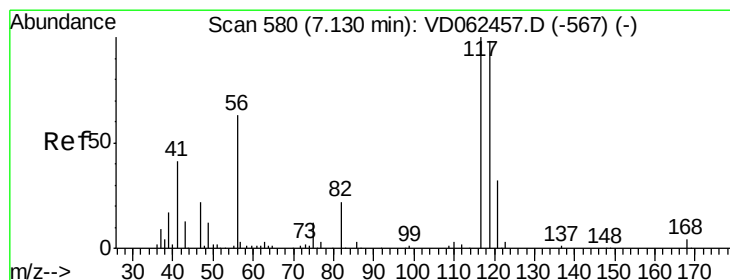
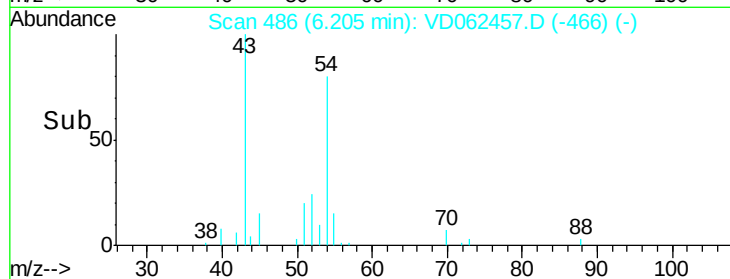
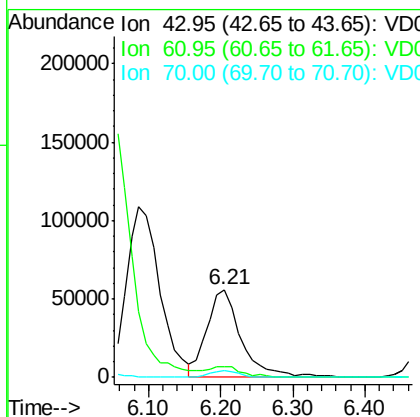
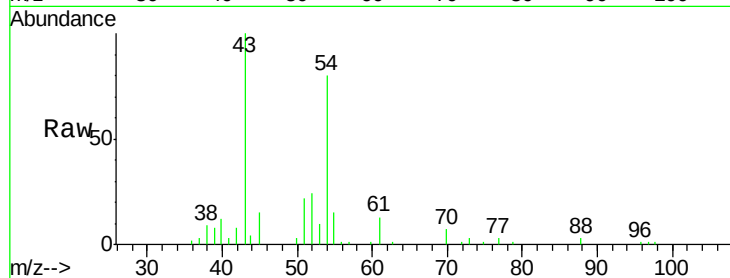
#37
Ethyl Acetate
Concen: 52.578 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	14.7	22.1#
70	7.4	7.8	11.6#

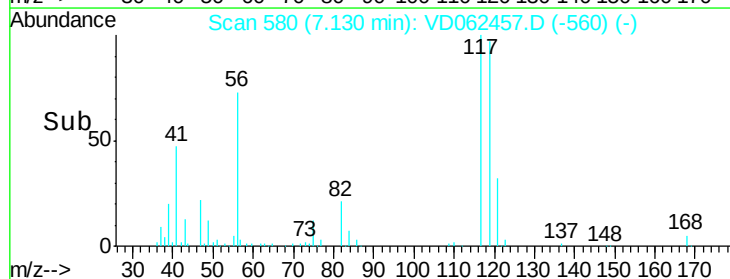
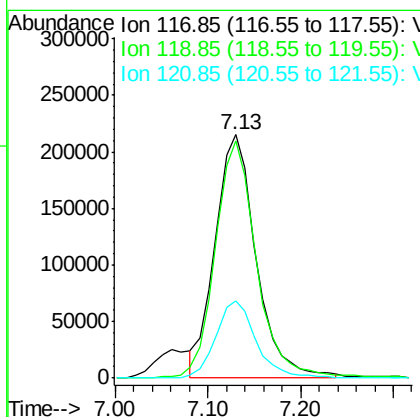
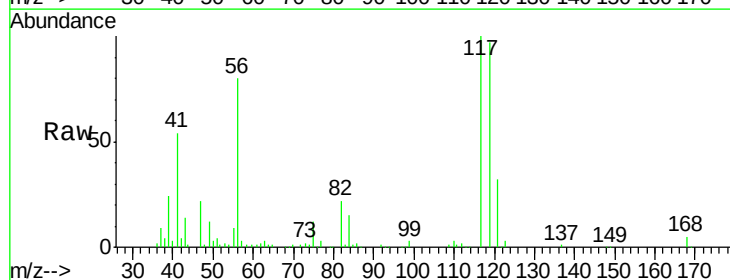
Manual Integrations
APPROVED

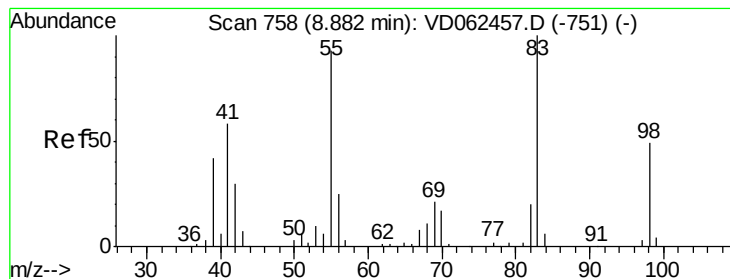
MMDadoda
5/22/2019 4:49:03 AM



#38
Carbon Tetrachloride
Concen: 61.528 ug/l m
RT: 7.13 min Scan# 580
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.8	113.8
121	31.8	25.9	38.9





#39

Methylvlcyclohexane

Concen: 48.421 ug/l

RT: 8.88 min Scan# 758

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 365354

Ion Ratio Lower Upper

83 100

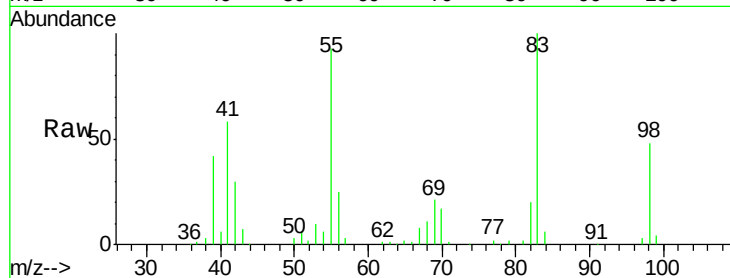
55 93.0 68.2 102.4

98 48.5 38.2 57.4

Manual Integrations
APPROVED

MMDadoda

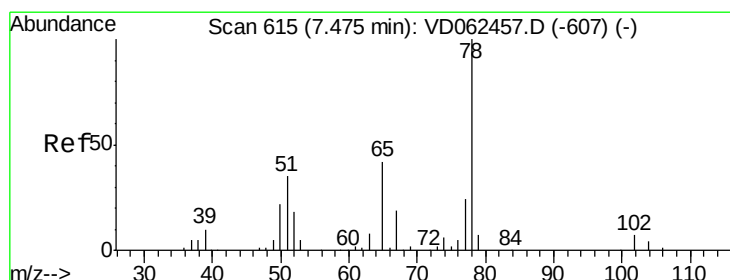
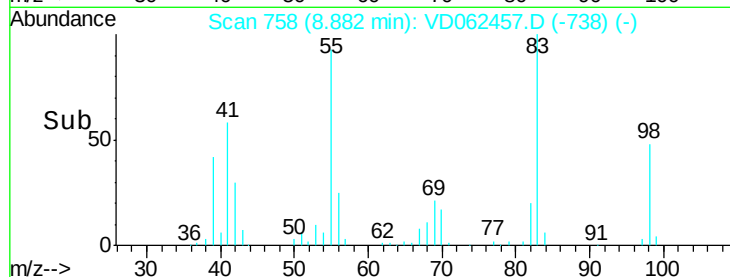
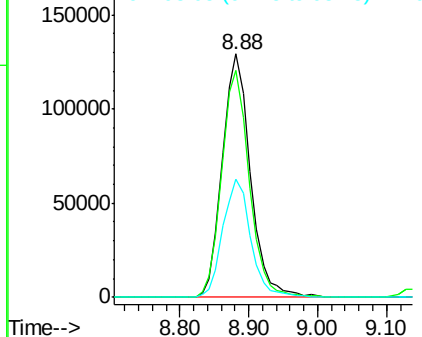
5/22/2019 4:49:03 AM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.459 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.00 min

Lab File: VD062457.D

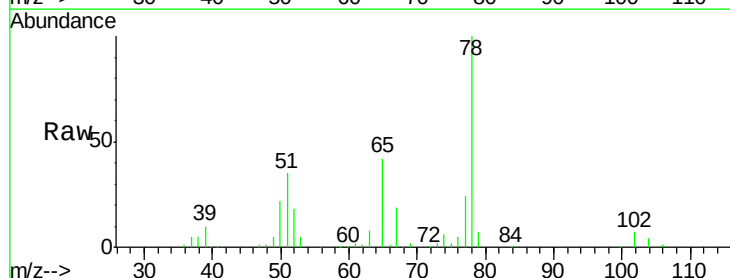
Acq: 20 May 2019 15:44

Tgt Ion: 78 Resp: 897307

Ion Ratio Lower Upper

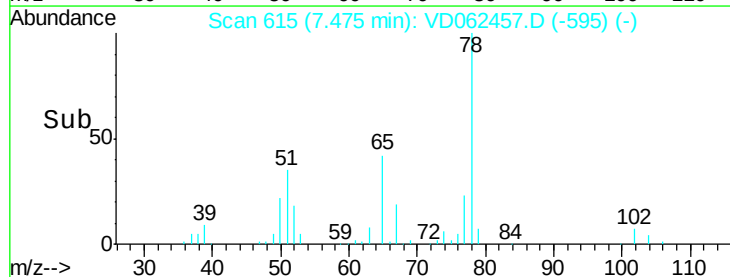
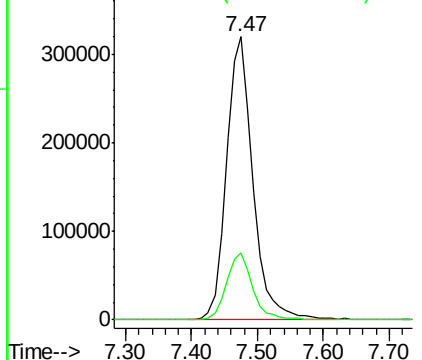
78 100

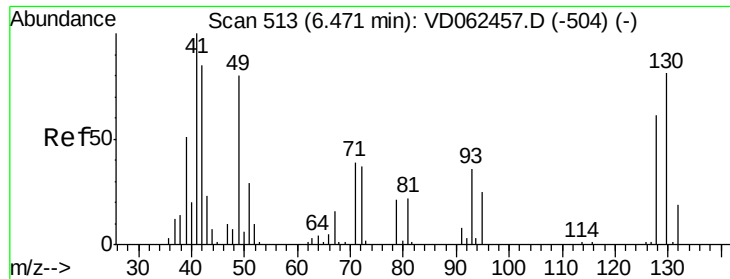
77 23.6 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





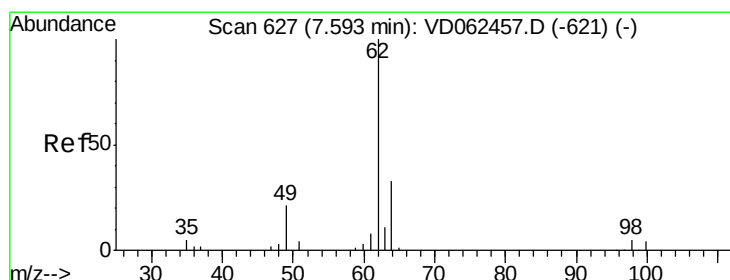
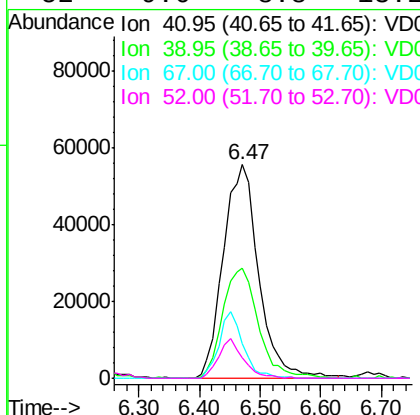
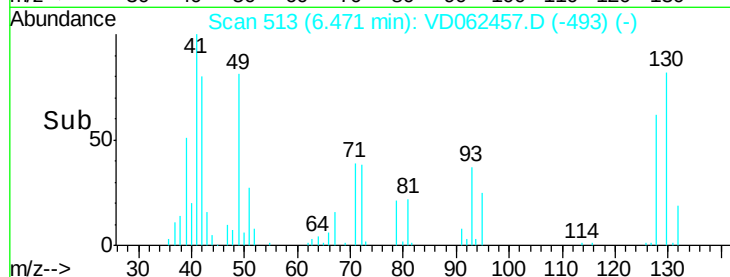
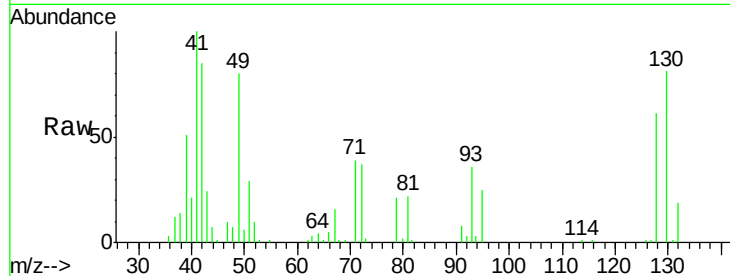
#41
Methacrylonitrile
Concen: 55.185 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.3	34.1	51.1#
67	16.0	23.8	35.6#
52	9.6	8.8	13.2

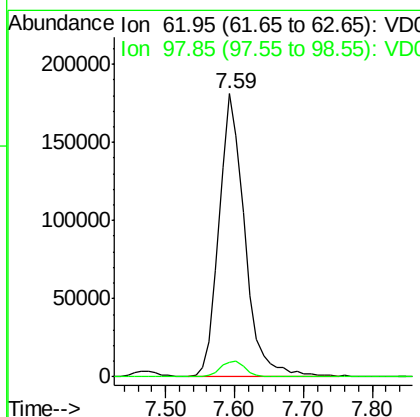
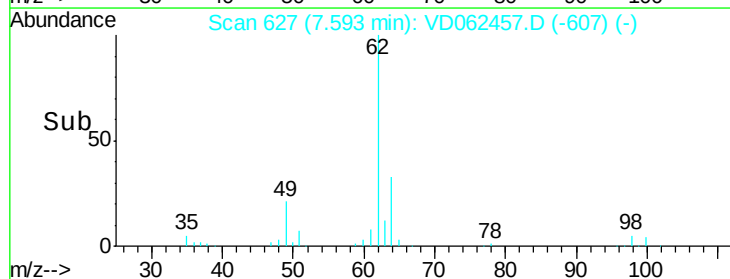
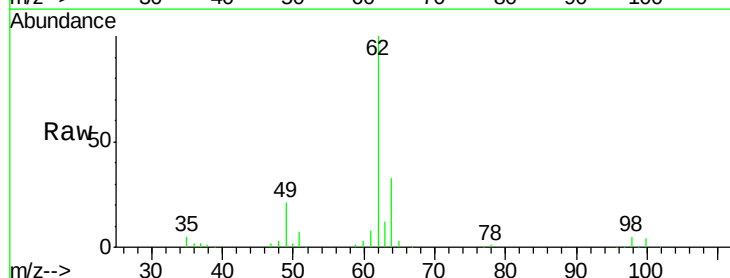
Manual Integrations
APPROVED

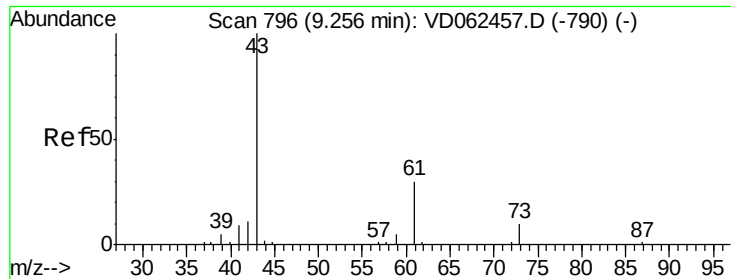
MMDadoda
5/22/2019 4:49:03 AM



#42
1,2-Dichloroethane
Concen: 62.335 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.3	0.0	17.8





#43

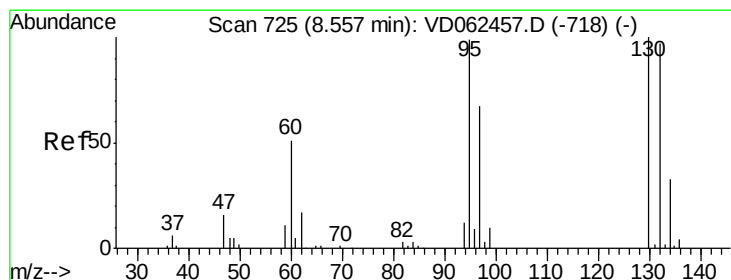
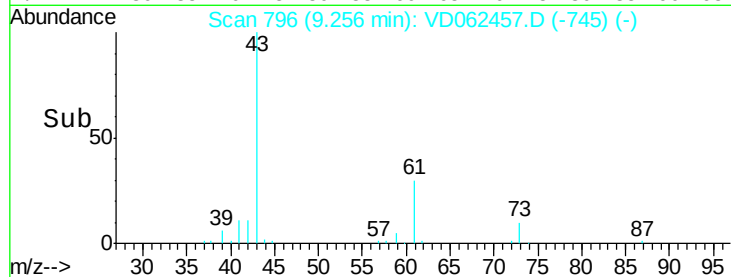
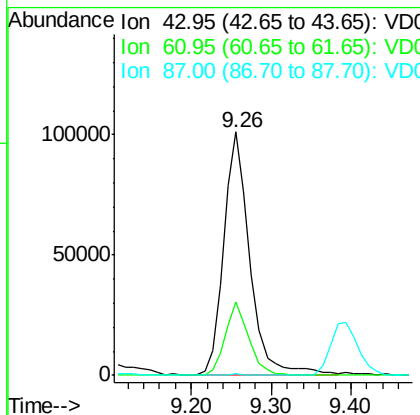
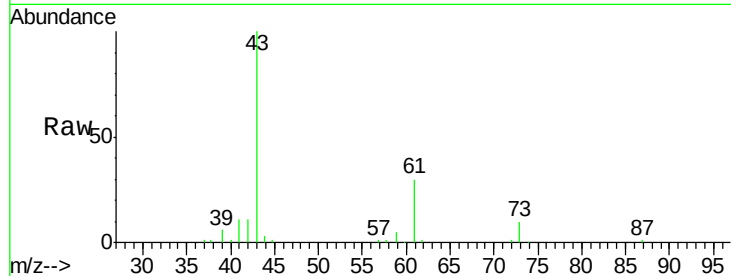
Isopropyl Acetate
 Concen: 49.203 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.9	25.1	37.7
87	0.5	0.0	0.0

Manual Integrations
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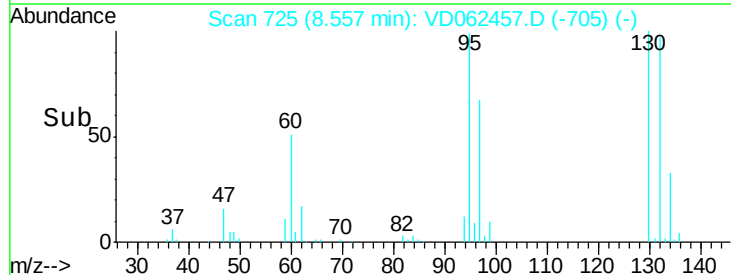
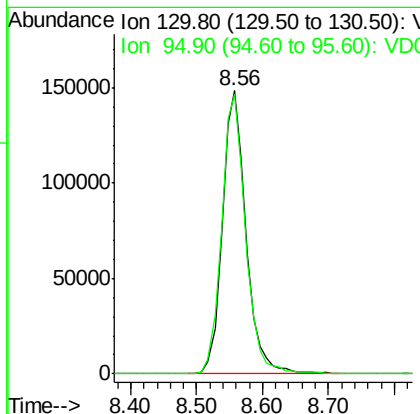
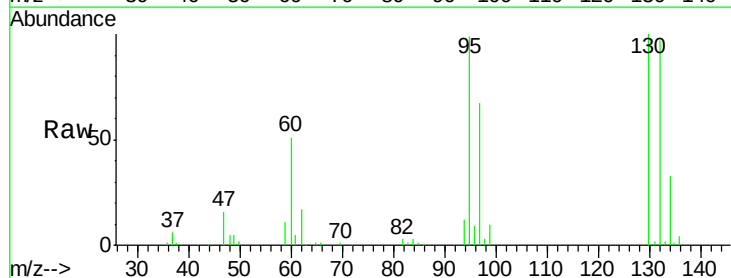
MMDadoda
 5/22/2019 4:49:03 AM

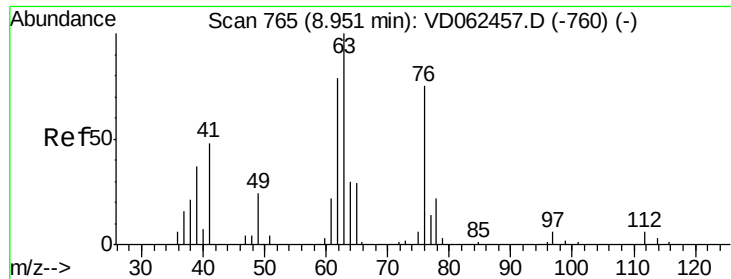


#44

Trichloroethene
 Concen: 54.724 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	174.0





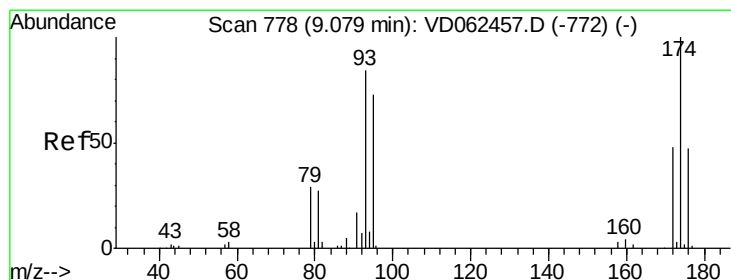
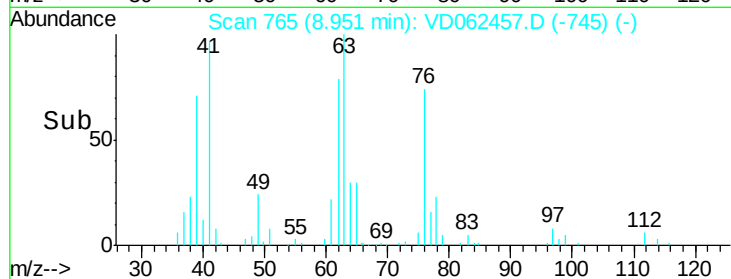
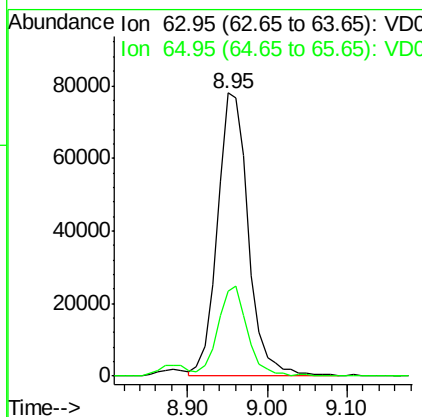
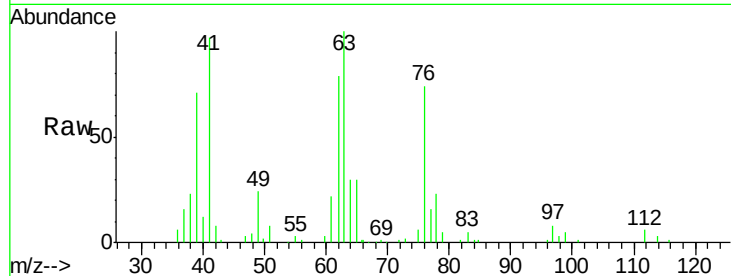
#45
 1,2-Dichloropropane
 Concen: 48.347 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	23.8	35.6

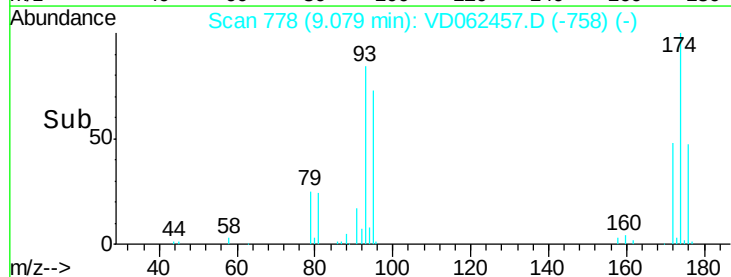
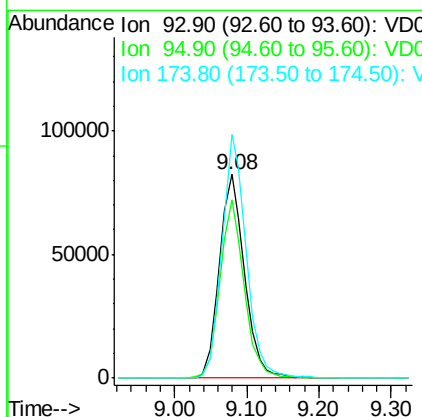
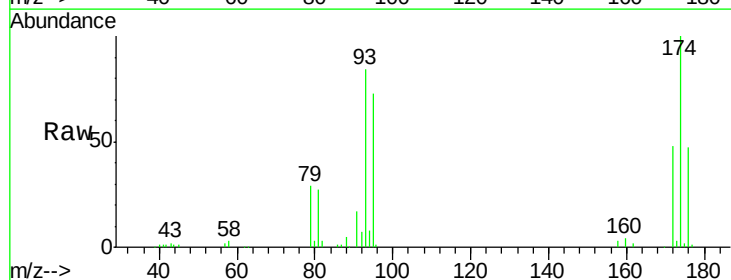
Manual Integrations
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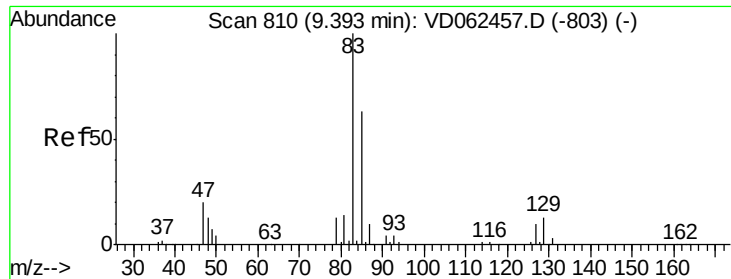
MMDadoda
 5/22/2019 4:49:03 AM



#46
 Dibromomethane
 Concen: 55.410 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	87.6	64.8	97.2
174	119.6	79.3	118.9#





#47

Bromodichloromethane

Concen: 59.388 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

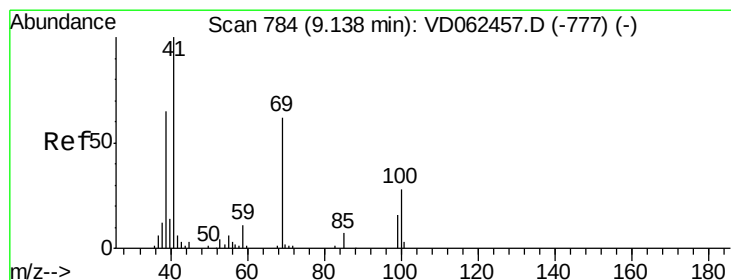
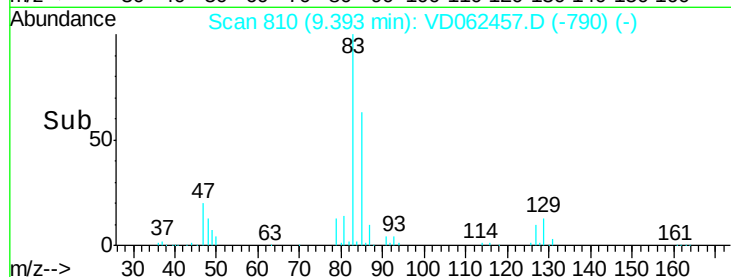
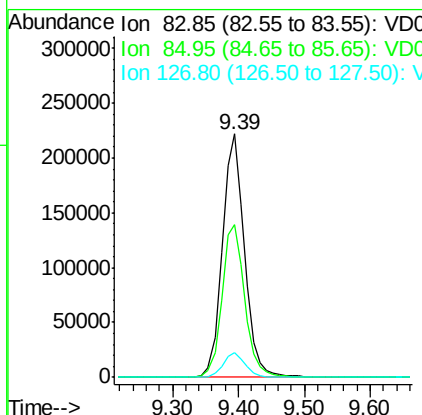
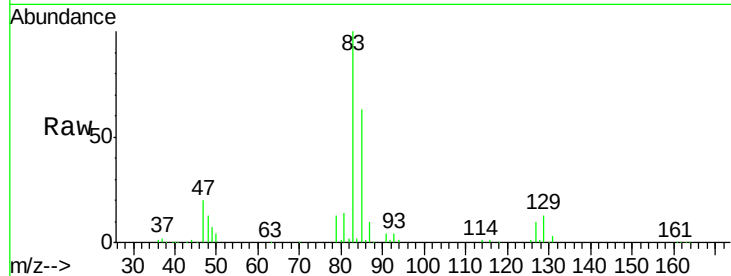
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	519599
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.9	76.3
127	10.3	8.1	12.1

Manual Integrations
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MMDadoda
5/22/2019 4:49:03 AM



#48

Methyl methacrylate

Concen: 57.173 ug/l

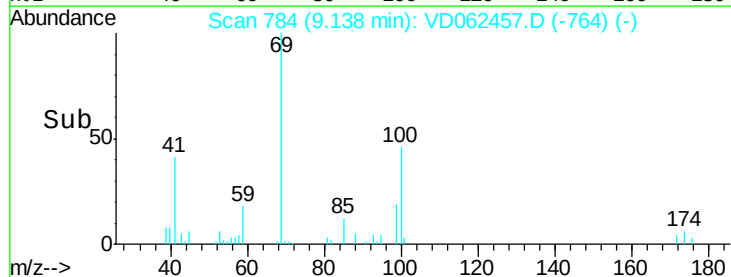
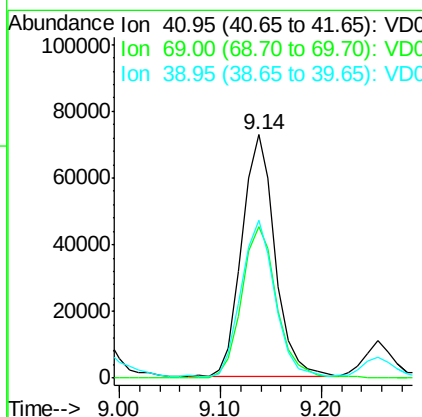
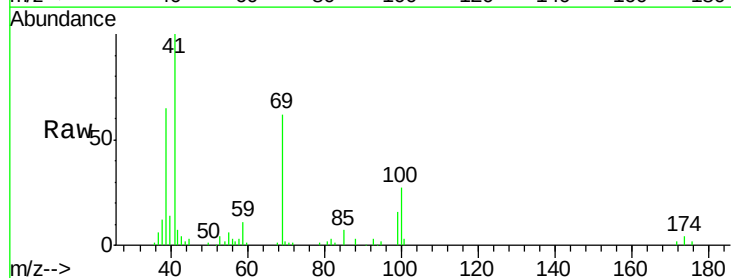
RT: 9.14 min Scan# 784

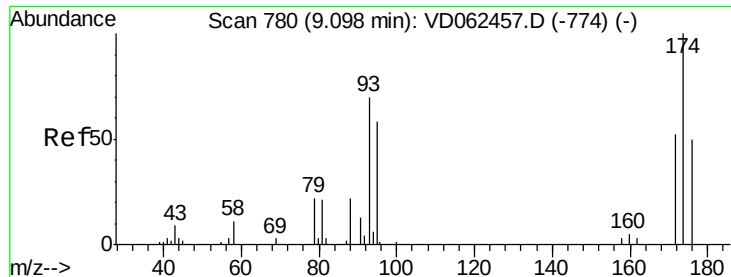
Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Tgt Ion:	41	Resp:	166802
Ion	Ratio	Lower	Upper
41	100		
69	62.0	64.2	96.2#
39	65.0	46.8	70.2





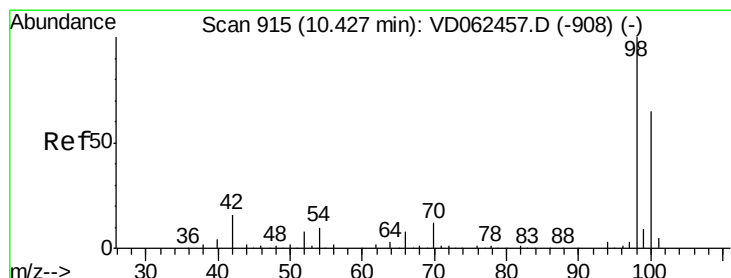
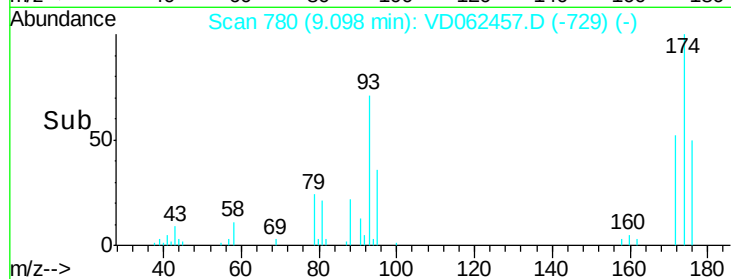
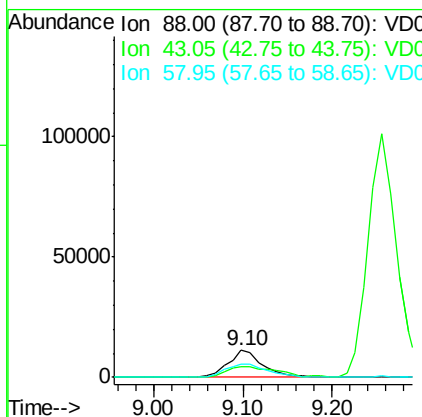
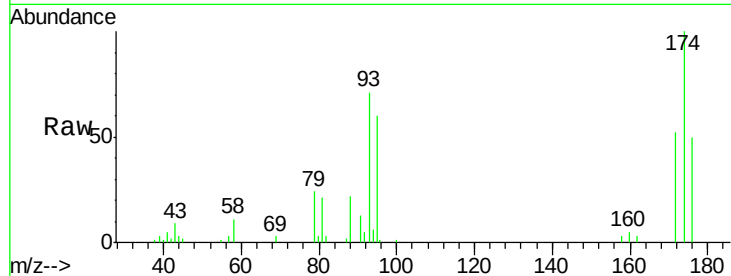
#49
1,4-Dioxane
Concen: 957.135 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.6	23.4	35.0#
58	50.2	44.0	66.0

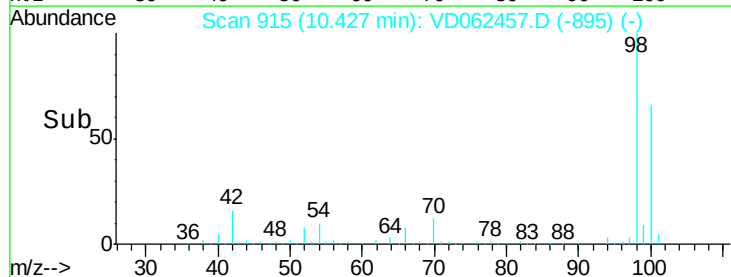
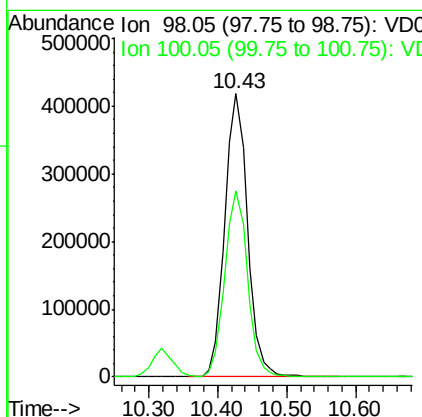
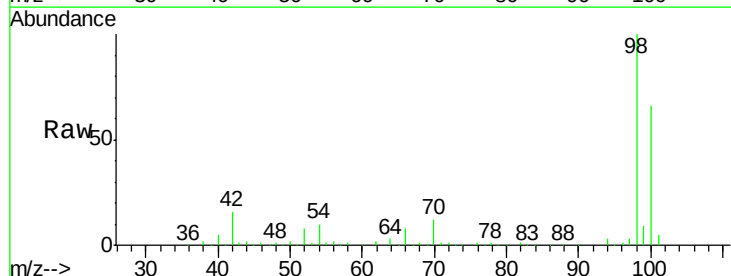
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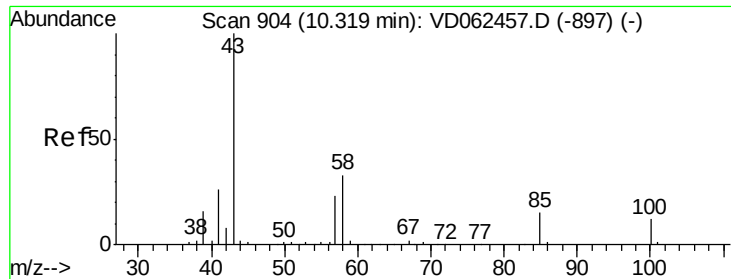
MMDadoda
5/22/2019 4:49:03 AM



#50
Toluene-d8
Concen: 49.980 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.8	80.8





#51

4-Methyl-2-Pentanone

Concen: 256.801 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Tot Ion: 43 Resp: 781871

Ion Ratio Lower Upper

43 100

58 33.2 30.4 45.6

Instrument :

MSVOA_D

ClientSampleId :

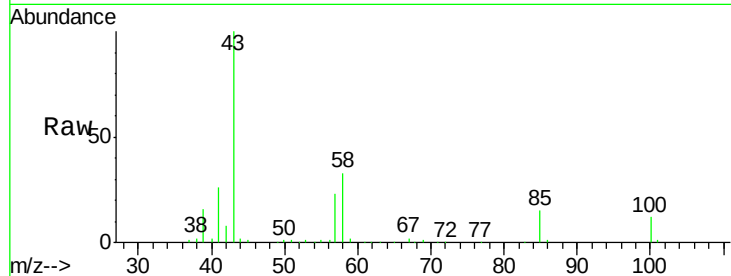
VSTDICCC050

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.32

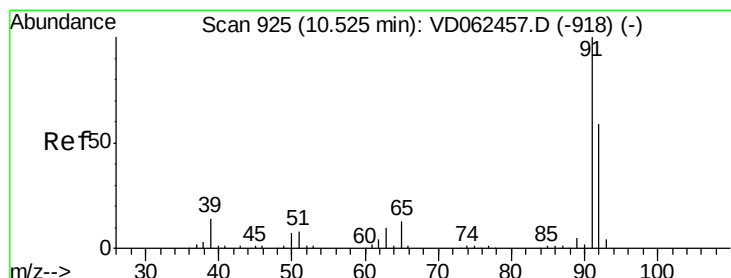
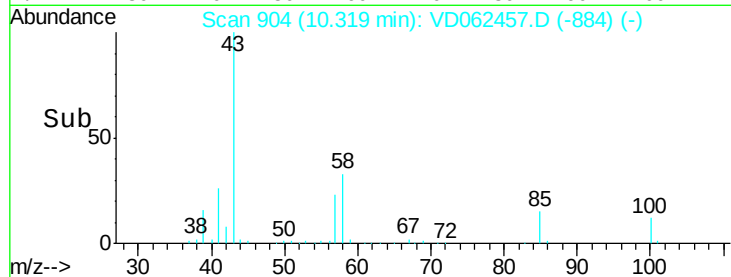
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.039 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.00 min

Lab File: VD062457.D

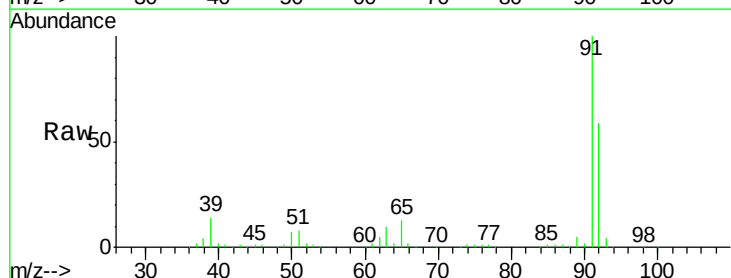
Acq: 20 May 2019 15:44

Tgt Ion: 92 Resp: 613681

Ion Ratio Lower Upper

92 100

91 170.1 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

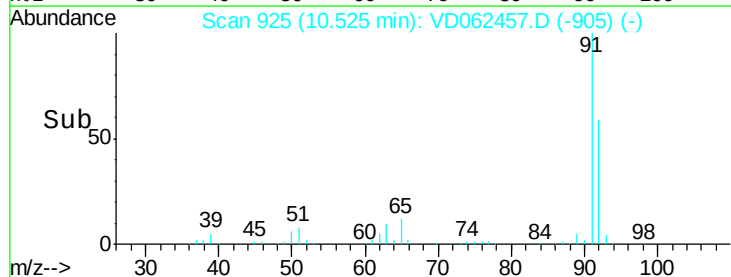
300000

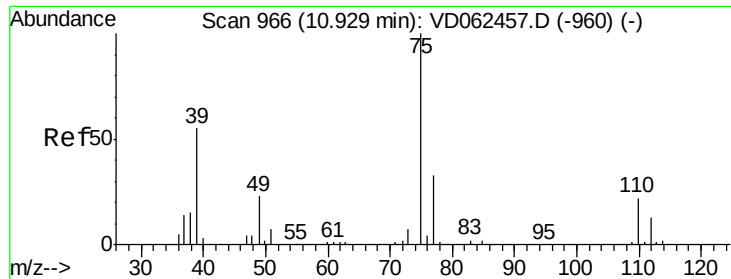
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.428 ug/l

RT: 10.93 min Scan# 966

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Tot Ion: 75 Resp: 419132

Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.8

Instrument :

MSVOA_D

ClientSampleId :

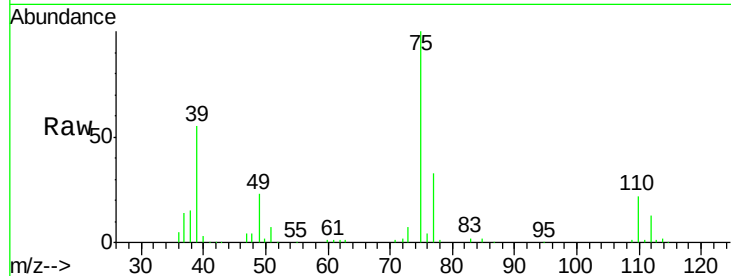
VSTDICCC050

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.93

200000

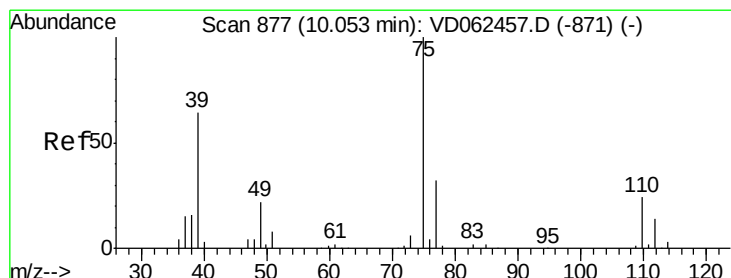
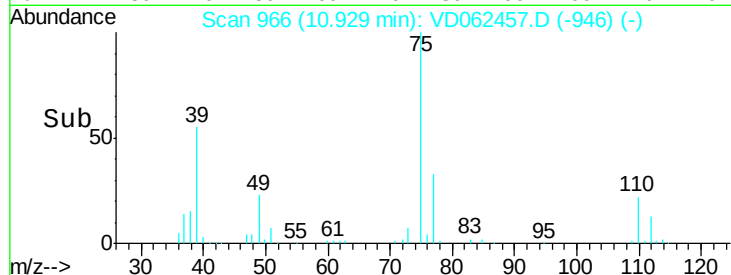
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.045 ug/l

RT: 10.05 min Scan# 877

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

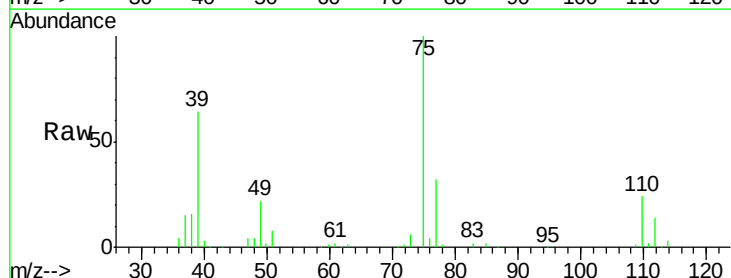
Tgt Ion: 75 Resp: 462332

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

39 64.4 39.4 59.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.05

300000

250000

200000

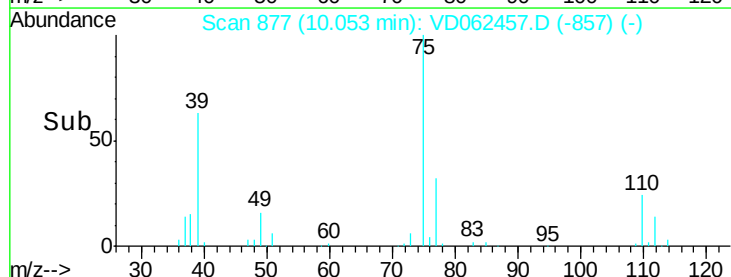
150000

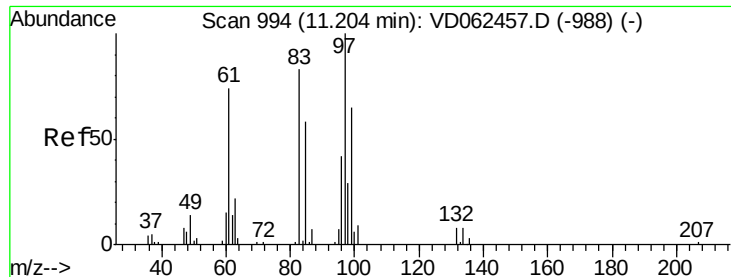
100000

50000

0

Time-->





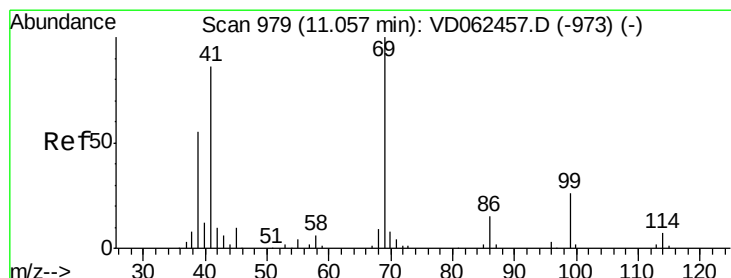
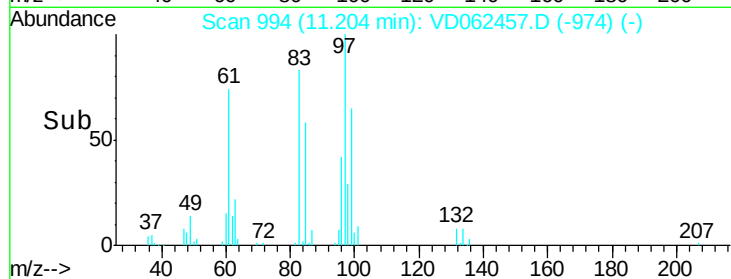
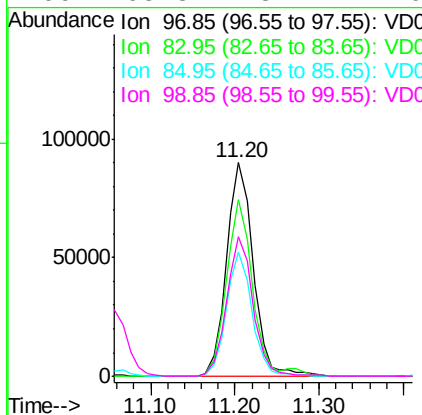
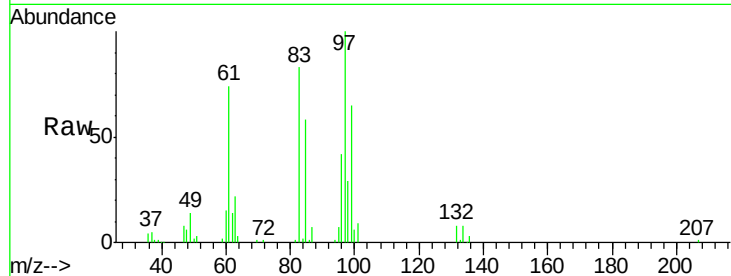
#55
 1,1,2-Trichloroethane
 Concen: 48.384 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	198077
Ion	Ratio	Lower	Upper
97	100		
83	82.8	65.7	98.5
85	58.0	45.6	68.4
99	65.3	48.4	72.6

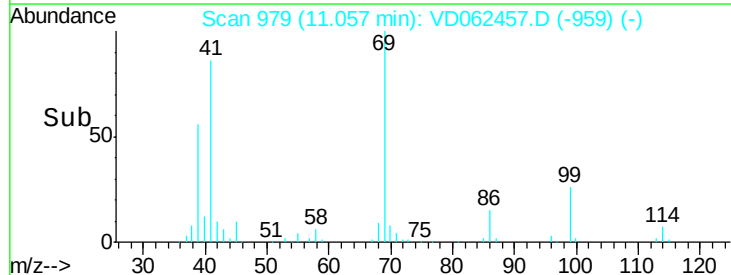
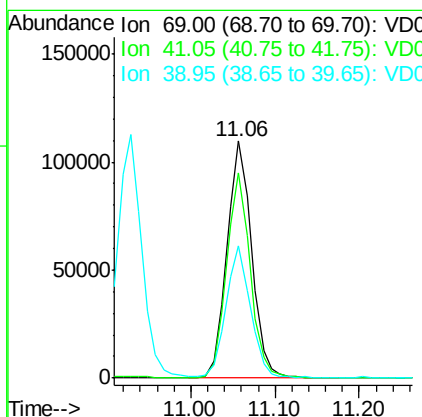
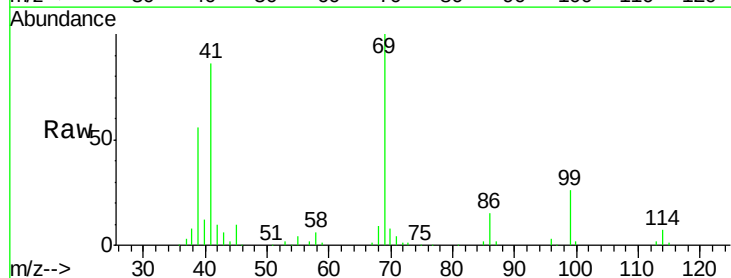
Manual Integrations
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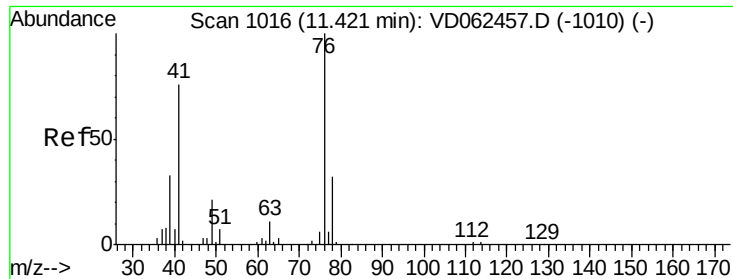
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 52.396 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Tgt Ion:	69	Resp:	222899
Ion	Ratio	Lower	Upper
69	100		
41	86.4	56.3	84.5#
39	55.6	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 50.874 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 314644

Ion Ratio Lower Upper

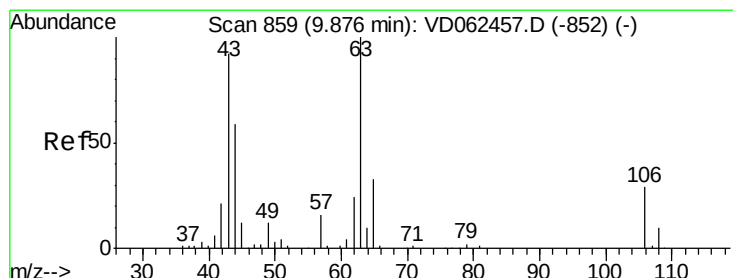
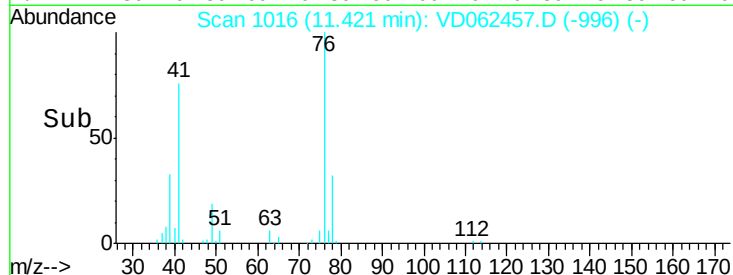
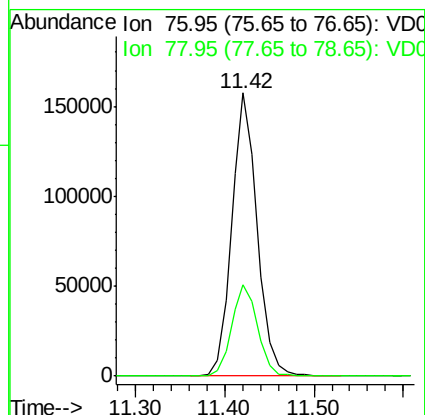
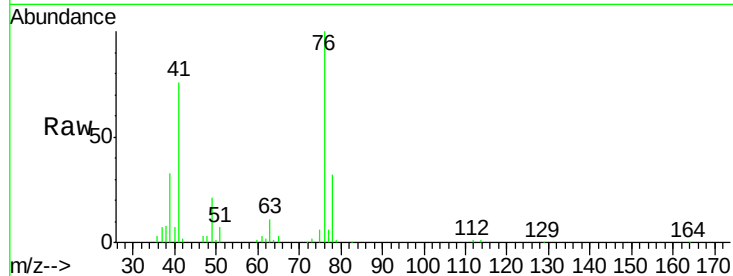
76 100

78 32.4 26.2 39.2

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 226.009 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.00 min

Lab File: VD062457.D

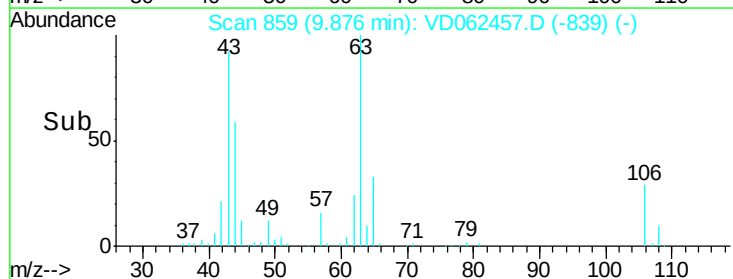
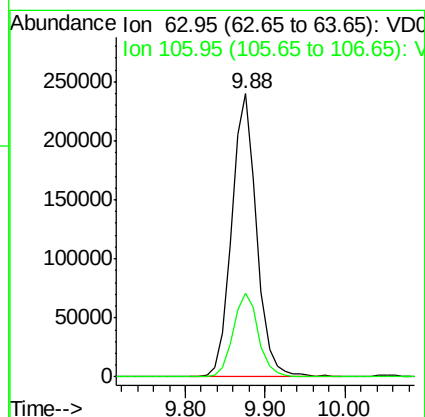
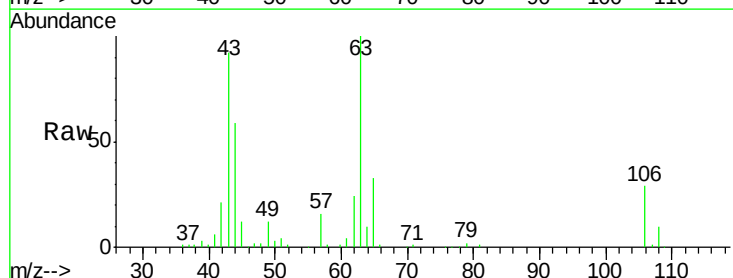
Acq: 20 May 2019 15:44

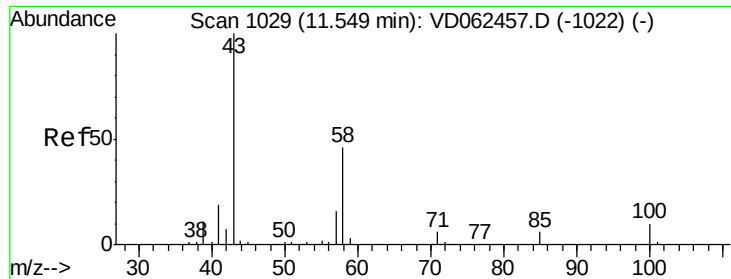
Tgt Ion: 63 Resp: 525188

Ion Ratio Lower Upper

63 100

106 29.5 22.6 34.0





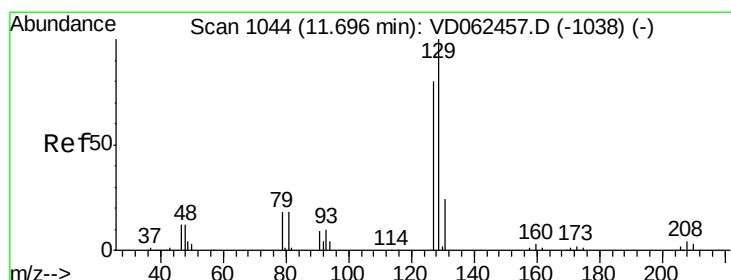
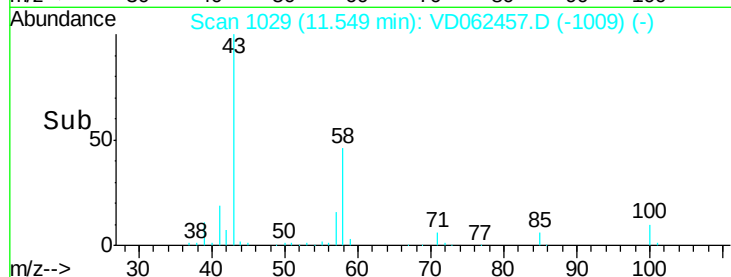
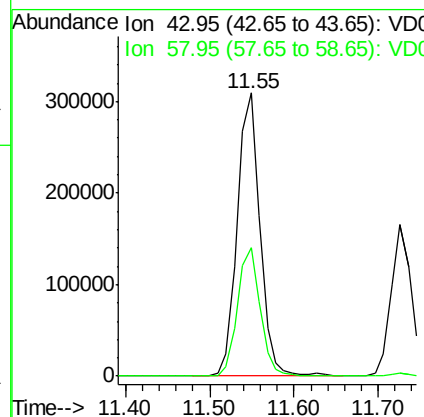
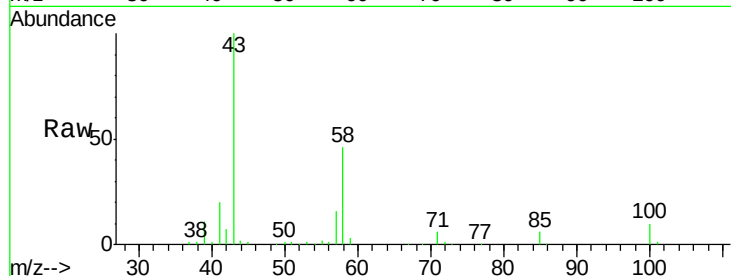
#59
2-Hexanone
Concen: 260.179 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 583850
Ion Ratio Lower Upper
43 100
58 45.6 25.4 76.4

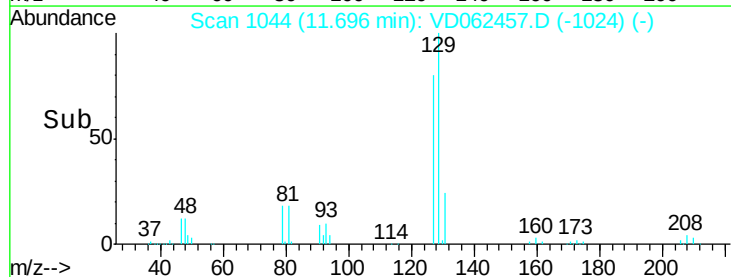
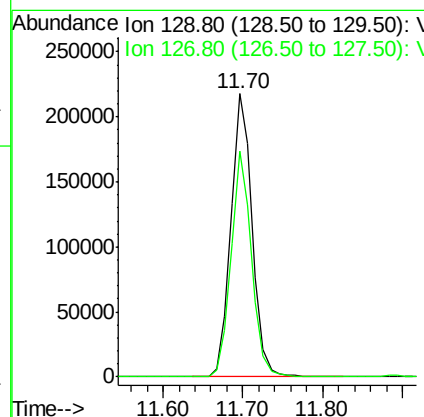
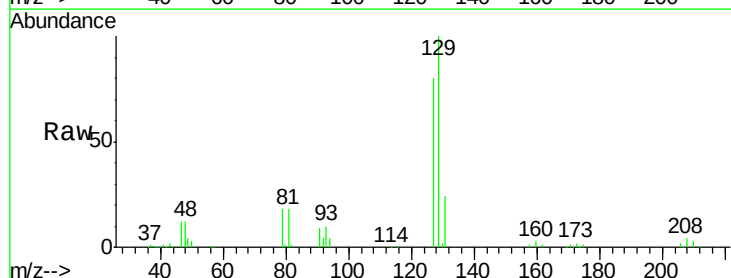
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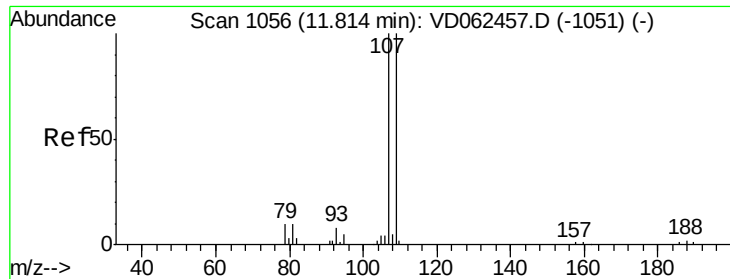
MMDadoda
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#60
Dibromochloromethane
Concen: 57.903 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion: 129 Resp: 409666
Ion Ratio Lower Upper
129 100
127 79.8 38.0 113.9





#61

1,2-Dibromoethane

Concen: 52.250 ug/l

RT: 11.81 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 260059

Ion Ratio Lower Upper

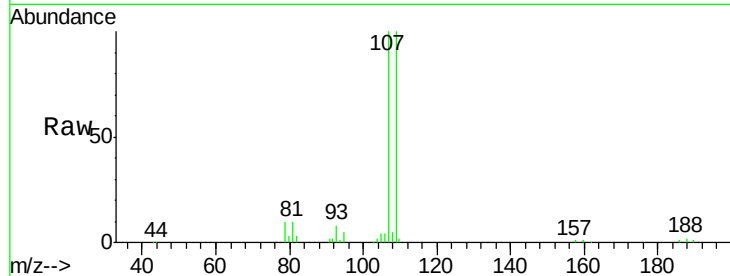
107 100

109 100.4 78.3 117.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

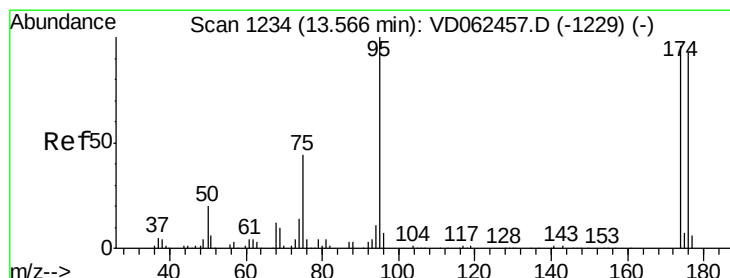
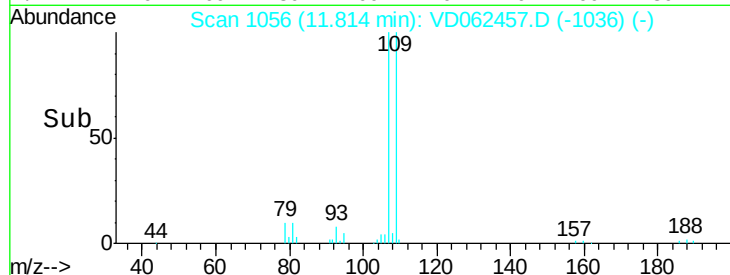
150000

100000

50000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 55.091 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

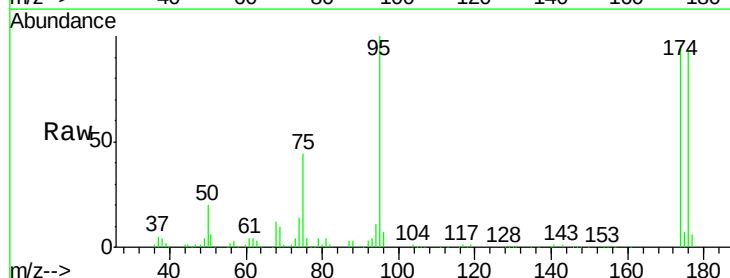
Tgt Ion: 95 Resp: 425079

Ion Ratio Lower Upper

95 100

174 95.6 0.0 181.8

176 93.0 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

13.57

400000

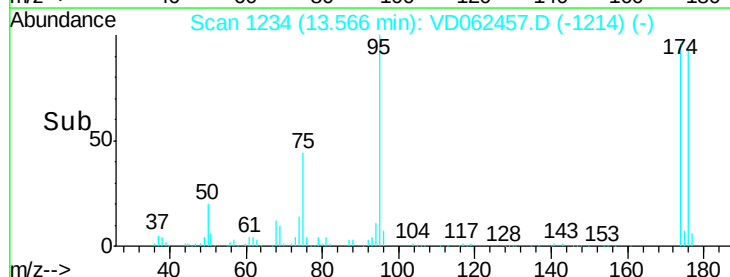
300000

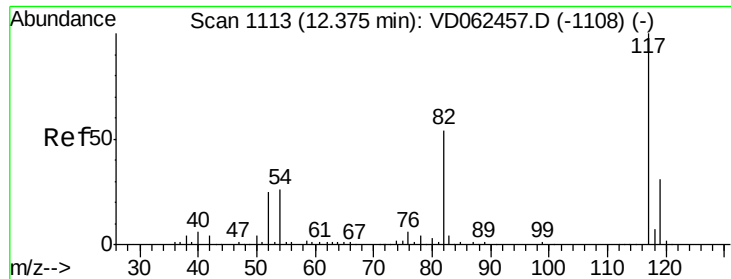
200000

100000

0

Time--> 13.50 13.60





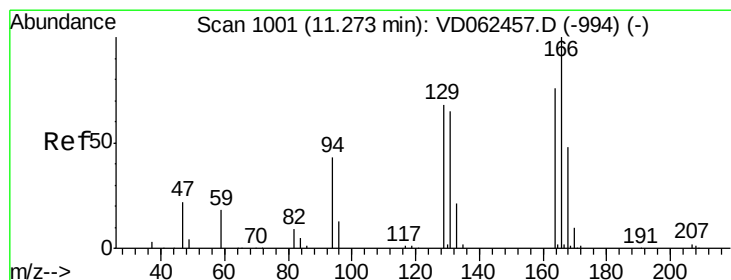
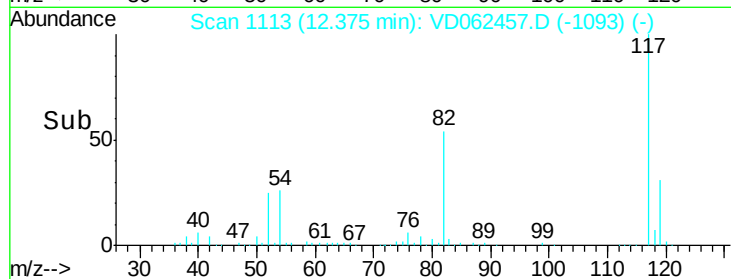
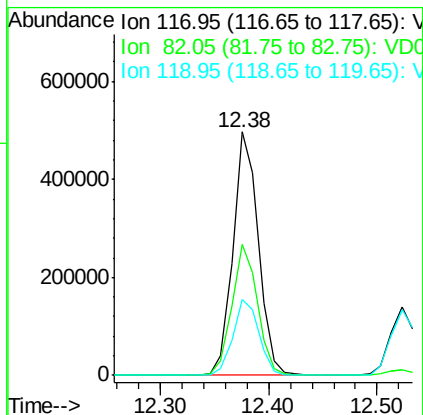
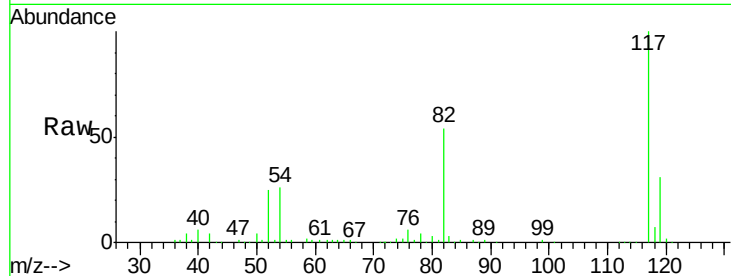
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	36.2	54.2
119	31.0	26.2	39.4

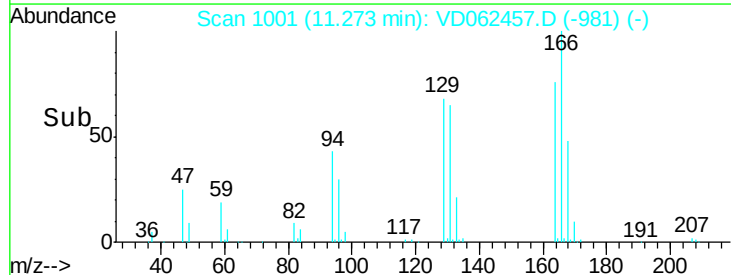
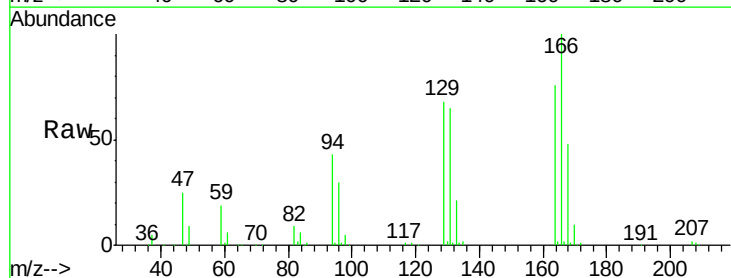
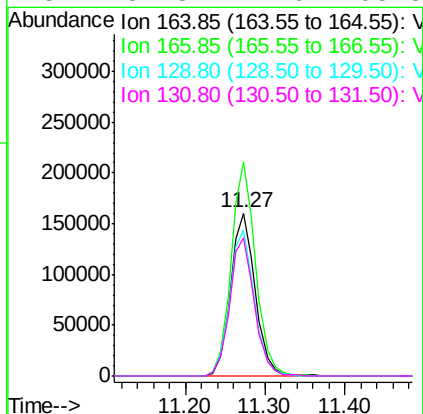
Manual Integrations
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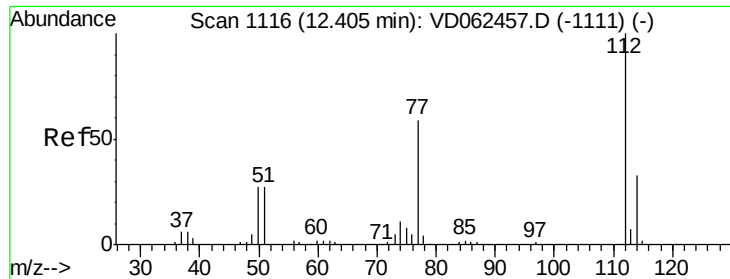
MMDadoda
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#64
Tetrachloroethene
Concen: 54.182 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	101.5	152.3
129	89.5	74.6	112.0
131	84.8	72.6	108.8





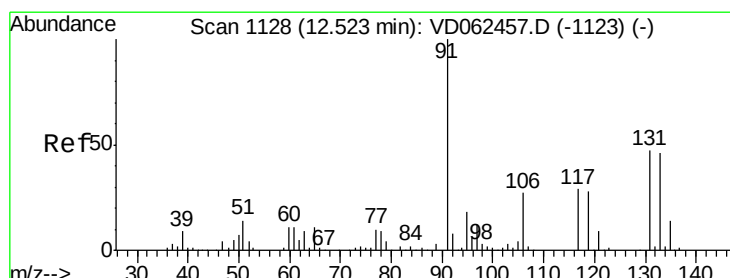
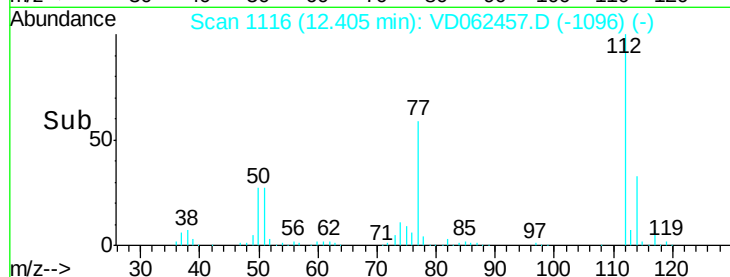
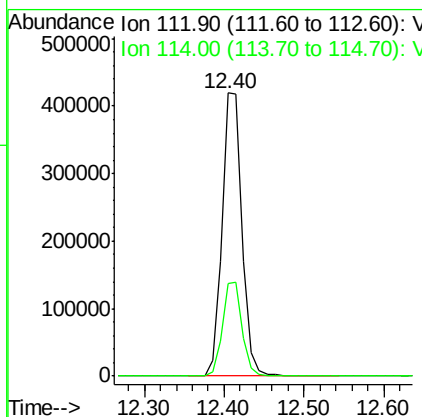
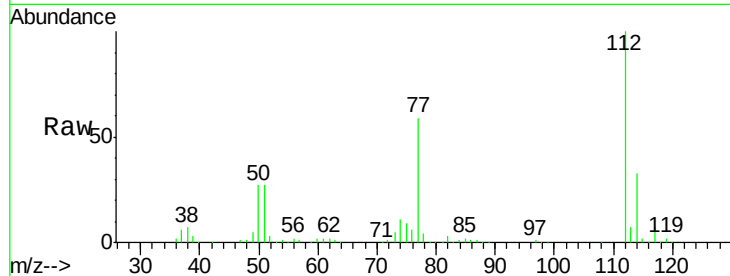
#65
Chlorobenzene
Concen: 48.913 ug/l
RT: 12.40 min Scan# 1116
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 740555
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.8

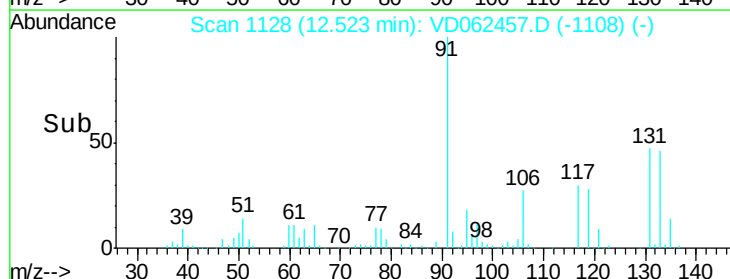
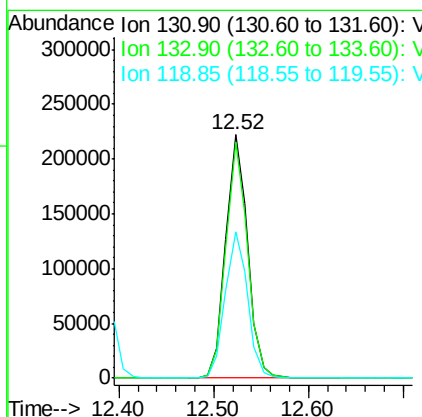
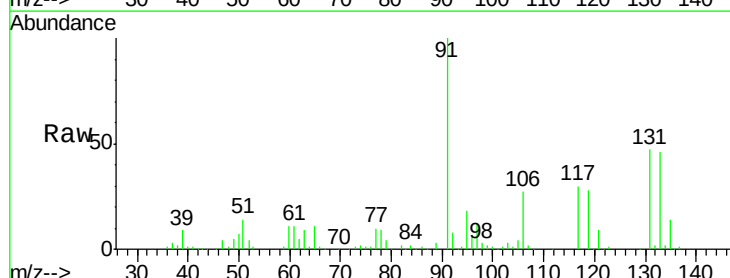
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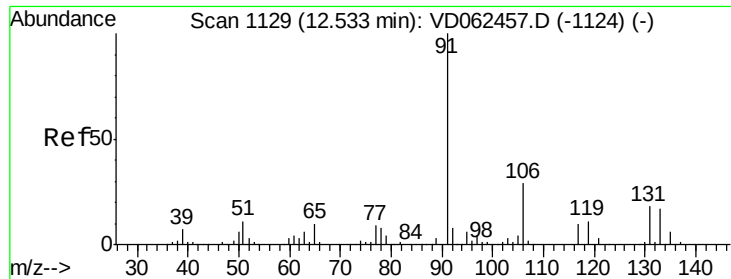
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.093 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion:131 Resp: 356434
Ion Ratio Lower Upper
131 100
133 96.9 48.6 145.8
119 60.1 34.7 104.1





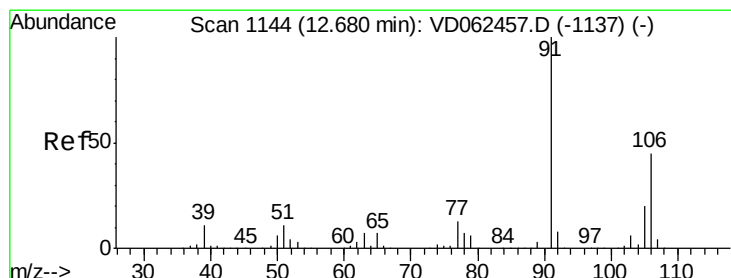
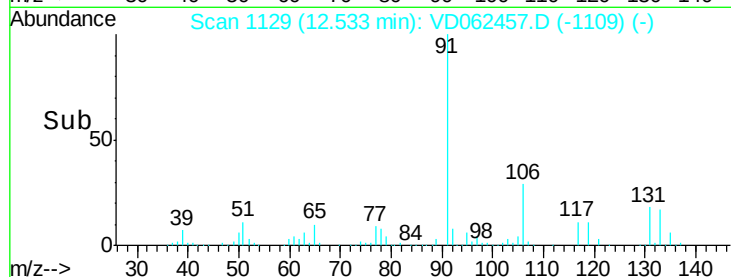
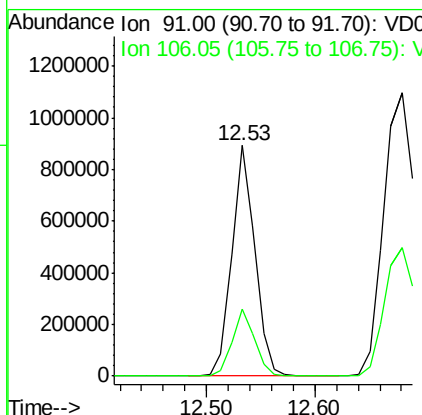
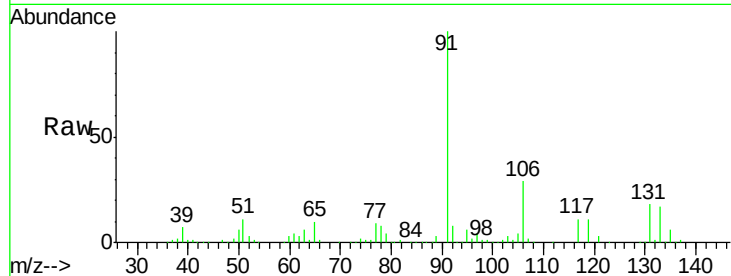
#67
Ethyl Benzene
Concen: 52.443 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1329288
Ion Ratio Lower Upper
91 100
106 29.0 24.7 37.1

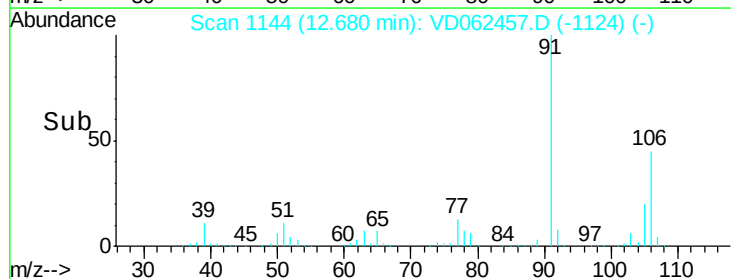
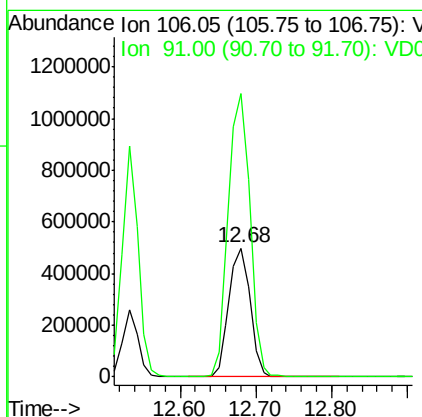
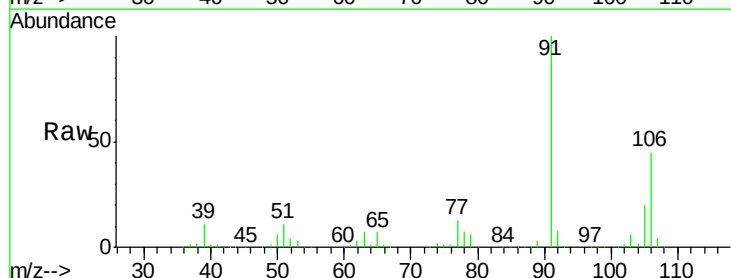
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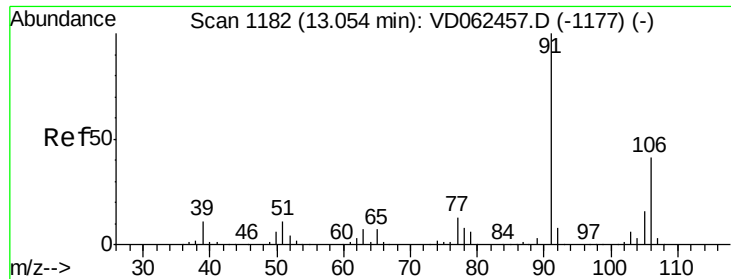
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#68
m/p-Xylenes
Concen: 105.010 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion:106 Resp: 968385
Ion Ratio Lower Upper
106 100
91 220.2 164.0 246.0





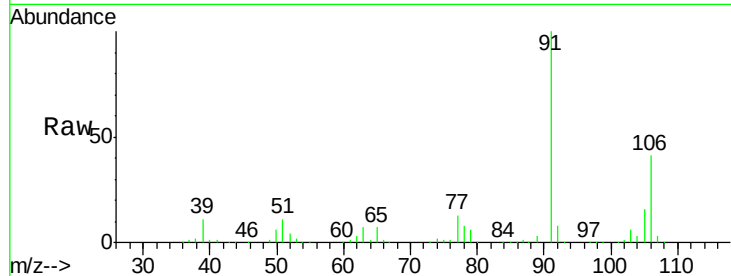
#69
o-Xylene
Concen: 52.015 ug/l
RT: 13.05 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

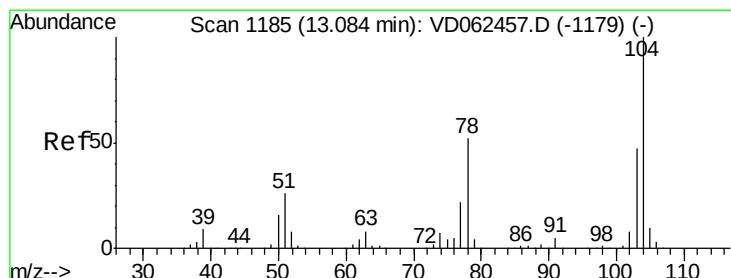
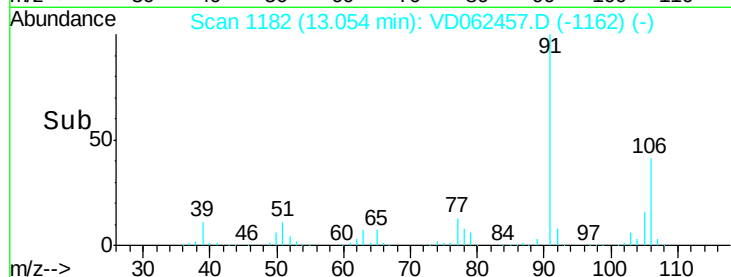
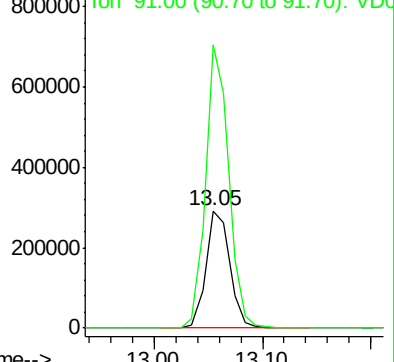
Tot Ion:106 Resp: 445952
Ion Ratio Lower Upper
106 100
91 241.7 106.7 319.9

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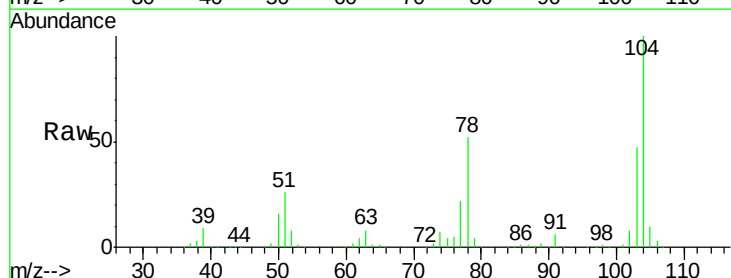


Abundance Ion 106.05 (105.75 to 106.75): V

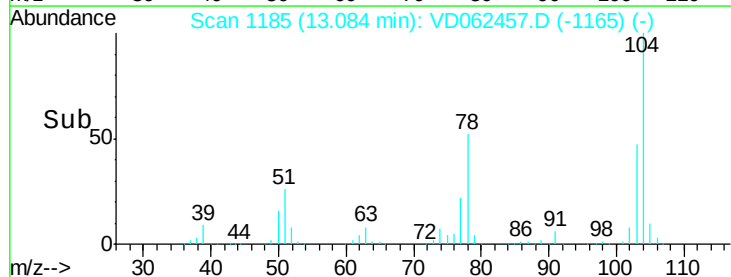
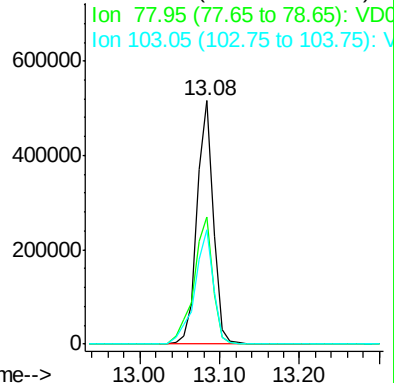


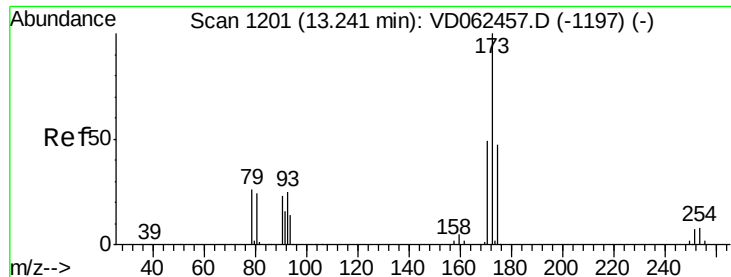
#70
Styrene
Concen: 51.501 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion:104 Resp: 747981
Ion Ratio Lower Upper
104 100
78 52.1 35.4 53.2
103 47.2 37.5 56.3



Abundance Ion 104.05 (103.75 to 104.75): V





#71

Bromoform

Concen: 51.425 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 235752

Ion Ratio Lower Upper

173 100

175 47.4 24.4 73.4

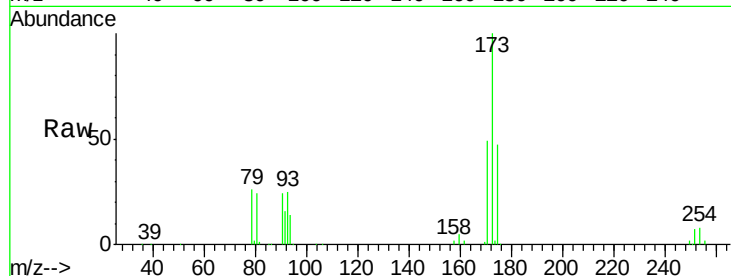
254 7.8 5.4 8.2

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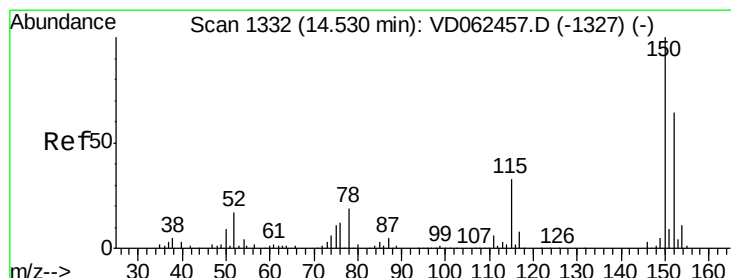
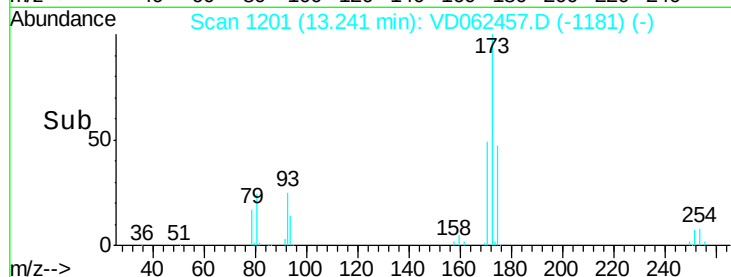
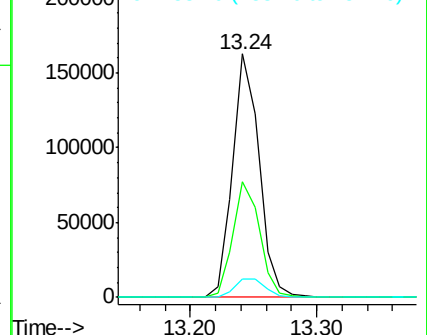
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

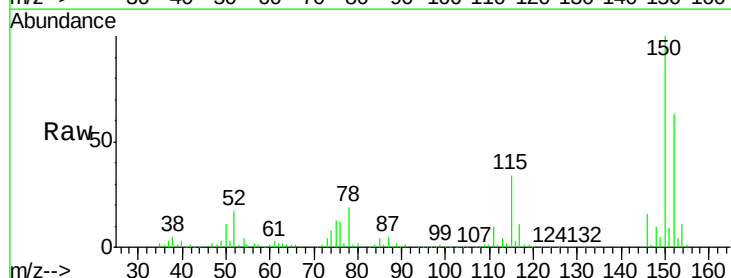
Tgt Ion:152 Resp: 420314

Ion Ratio Lower Upper

152 100

115 53.6 30.9 92.7

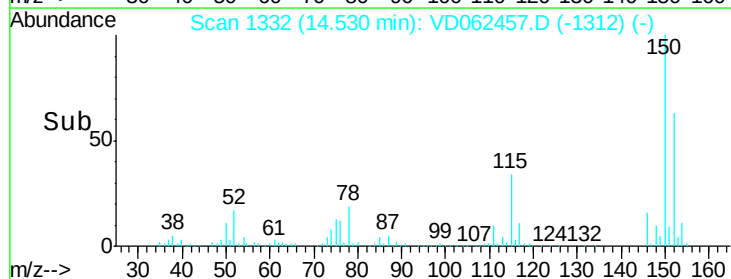
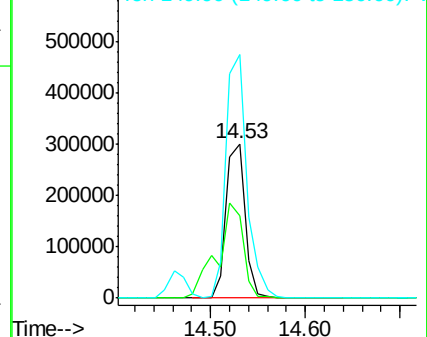
150 157.7 0.0 314.8

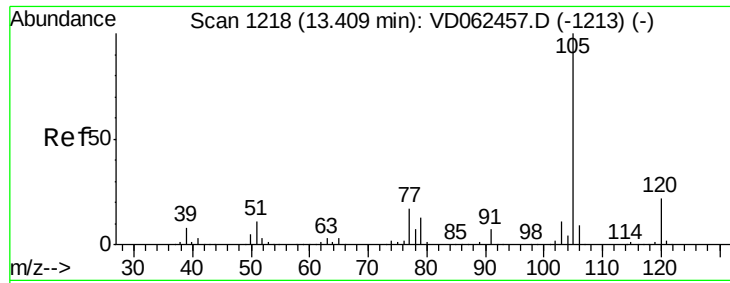


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.774 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1380028

Ion Ratio Lower Upper

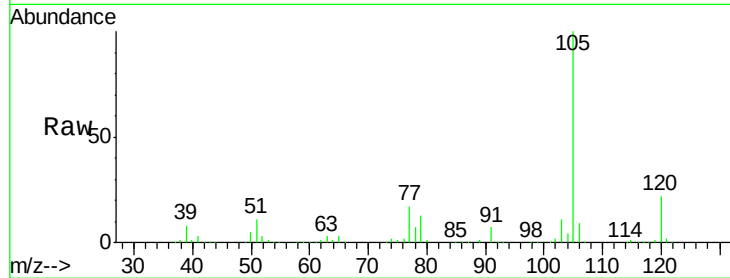
105 100

120 22.3 12.0 36.1

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1000000

800000

600000

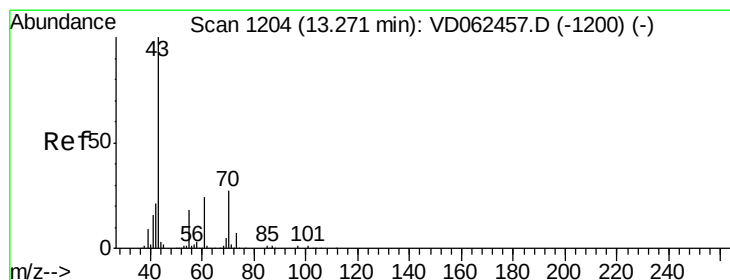
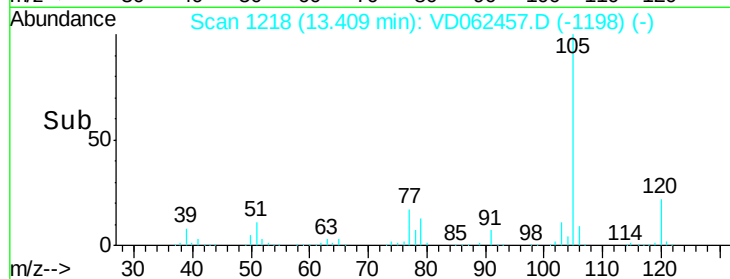
400000

200000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 48.057 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Tgt Ion: 43 Resp: 317444

Ion Ratio Lower Upper

43 100

70 26.8 24.2 36.4

55 17.8 16.0 24.0

61 23.8 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

300000

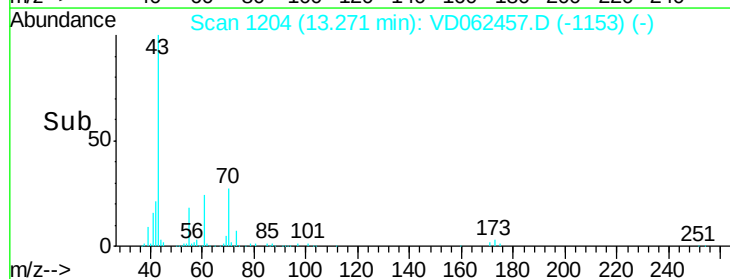
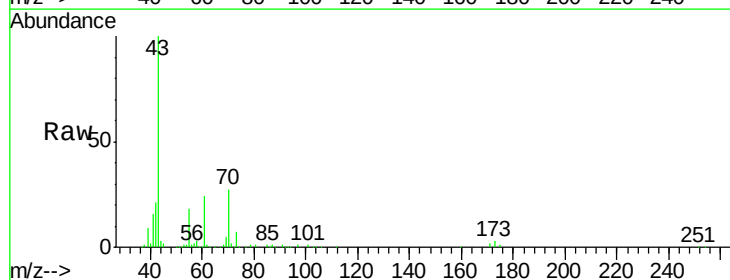
200000

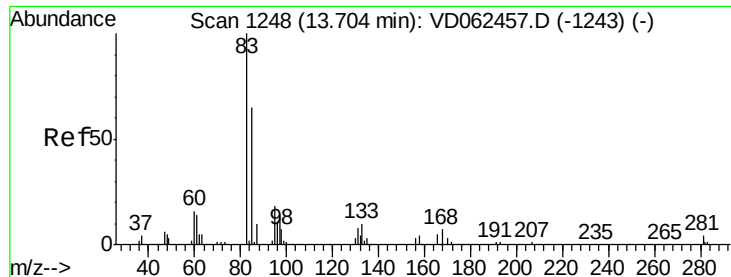
100000

0

13.20 13.30 13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.625 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

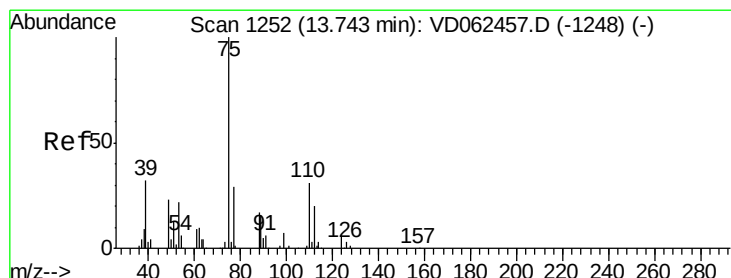
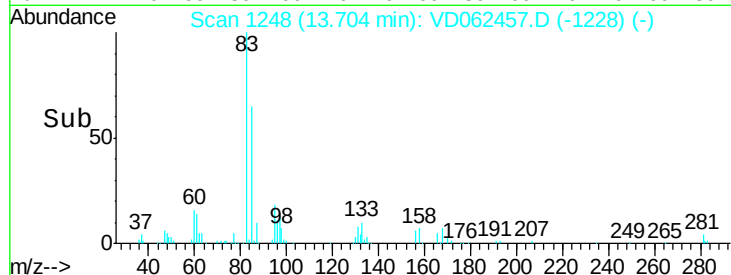
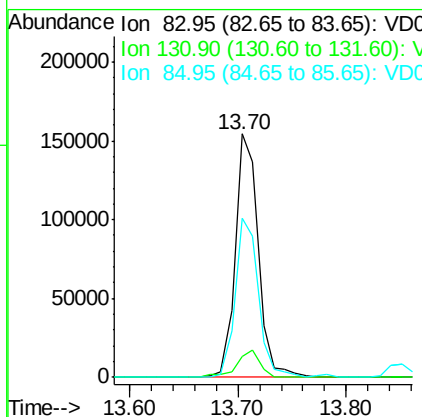
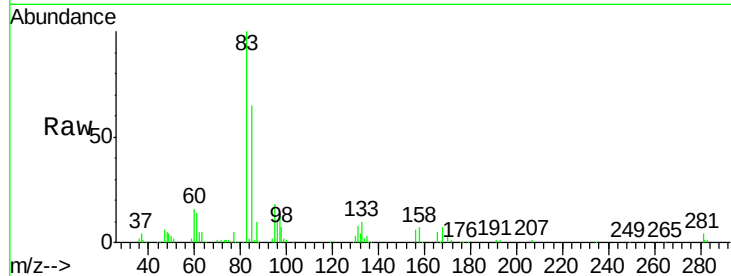
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	227157
Ion Ratio		Lower	Upper
83	100		
131	8.4	5.0	14.9
85	65.3	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.281 ug/l

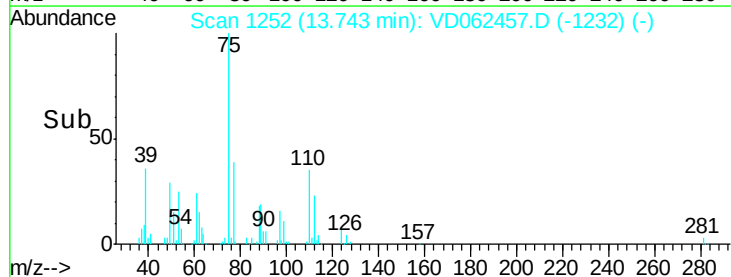
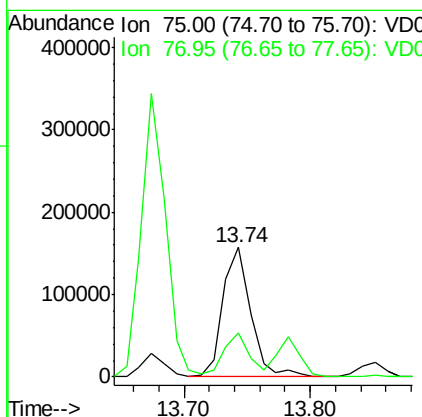
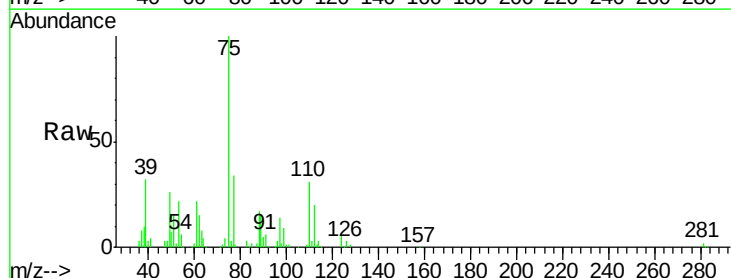
RT: 13.74 min Scan# 1252

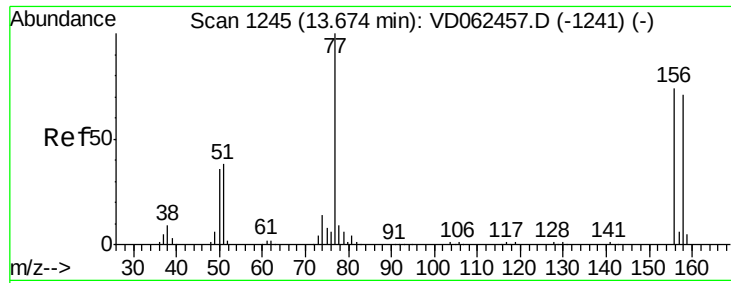
Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Tgt Ion:	75	Resp:	241168
Ion Ratio		Lower	Upper
75	100		
77	34.2	16.4	49.4





#77

Bromobenzene

Concen: 53.321 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 376072

Ion Ratio Lower Upper

156 100

77 135.3 53.1 159.4

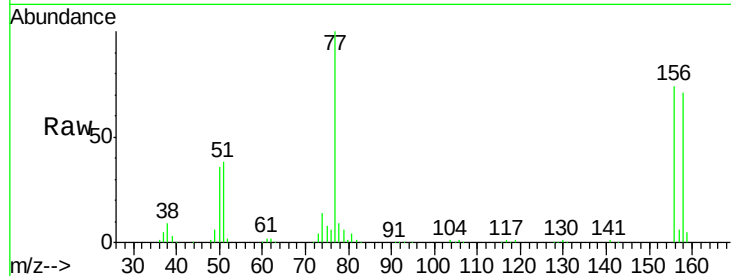
158 95.5 49.4 148.0

Manual Integrations

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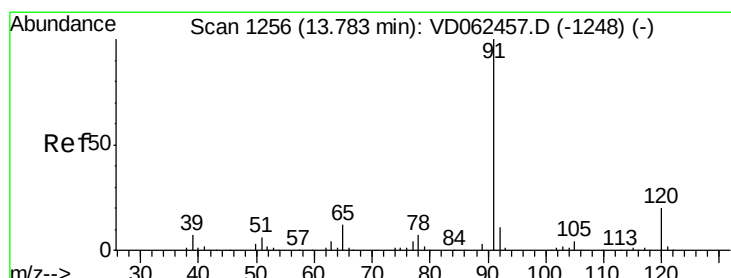
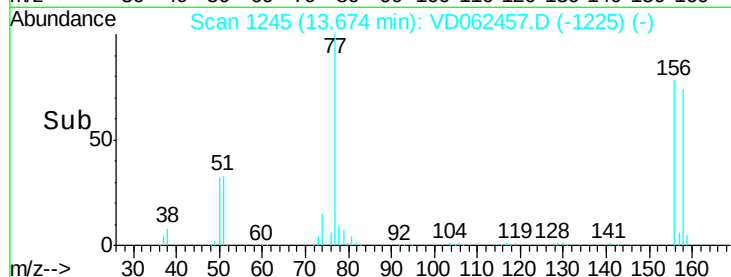
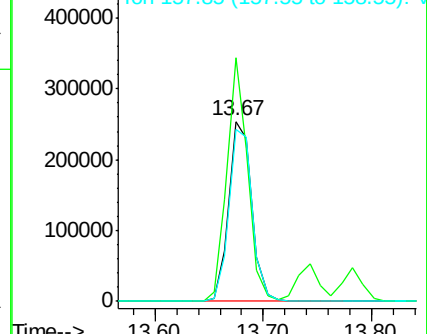
5/22/2019 4:49:03 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 47.353 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VD062457.D

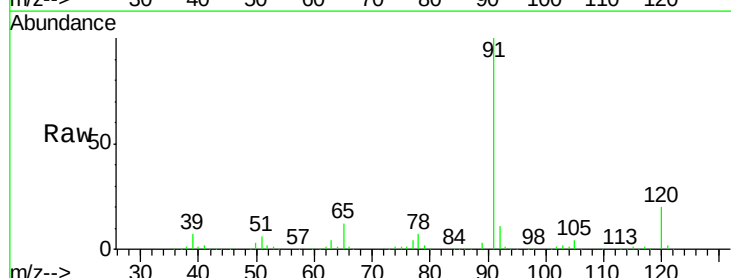
Acq: 20 May 2019 15:44

Tgt Ion: 91 Resp: 1423186

Ion Ratio Lower Upper

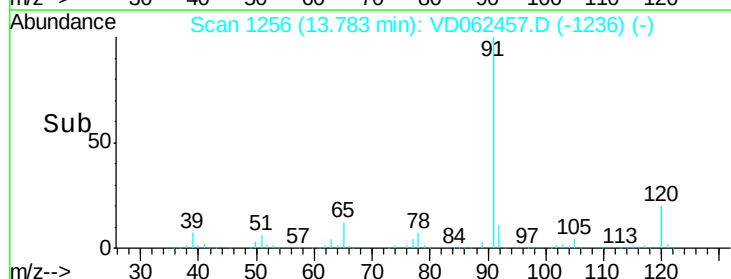
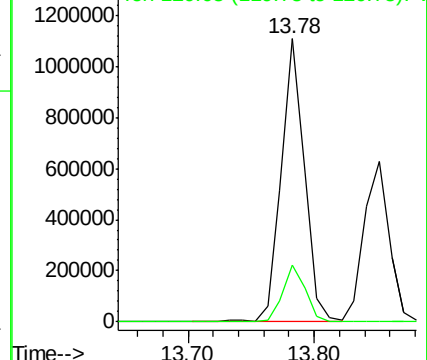
91 100

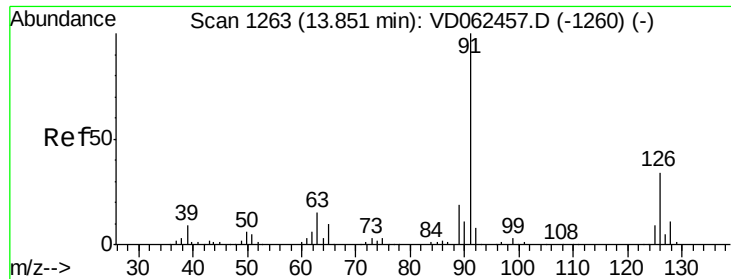
120 20.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 50.045 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VD062457.D

Acq: 20 May 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 861424

Ion Ratio Lower Upper

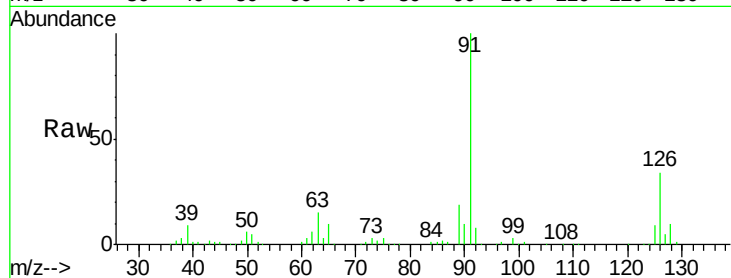
91 100

126 33.8 18.6 55.8

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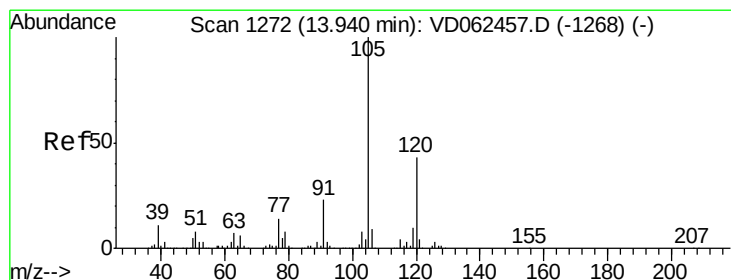
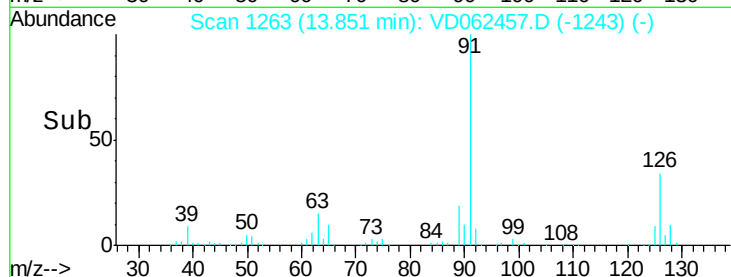
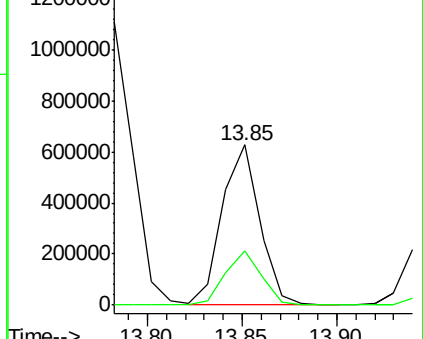
MMDadoda

5/22/2019 4:49:03 AM



Abundance Ion 91.00 (90.70 to 91.70): VD062457.D (-1260) (-)

Ion 125.95 (125.65 to 126.65): VD062457.D (-1260) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.527 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD062457.D

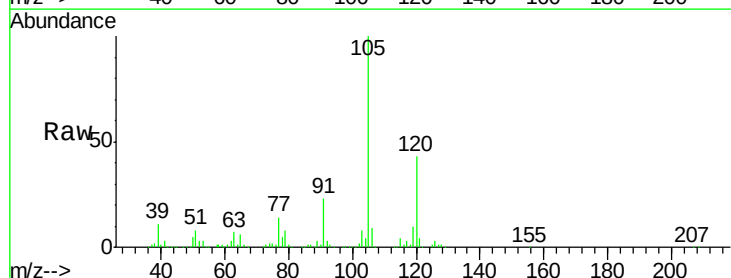
Acq: 20 May 2019 15:44

Tgt Ion:105 Resp: 1156848

Ion Ratio Lower Upper

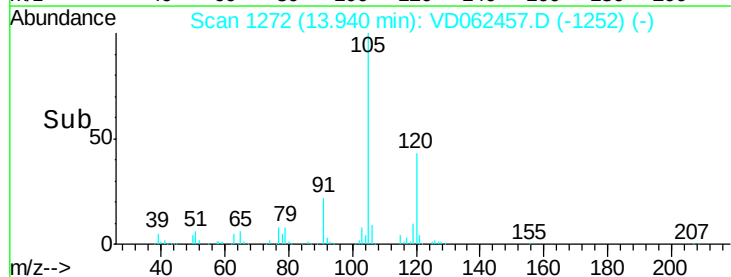
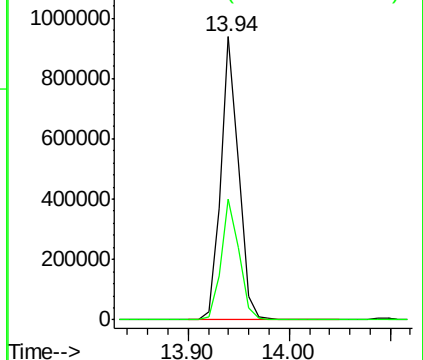
105 100

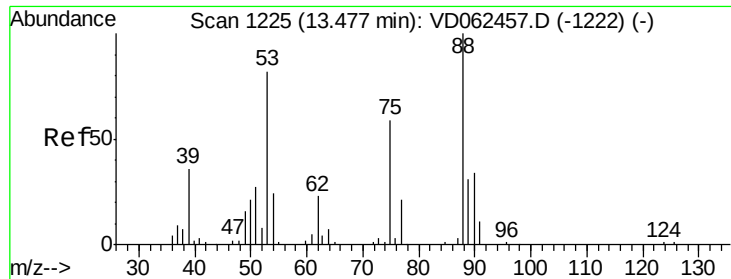
120 42.8 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD062457.D (-1268) (-)

Ion 120.05 (119.75 to 120.75): VD062457.D (-1268) (-)





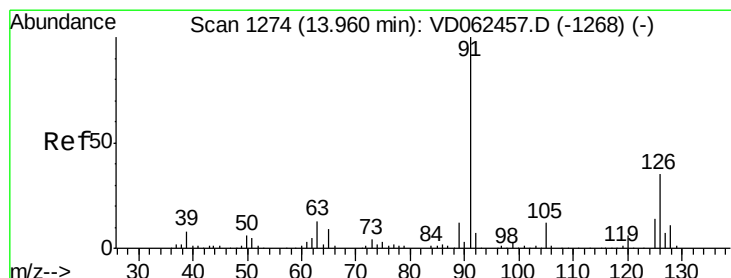
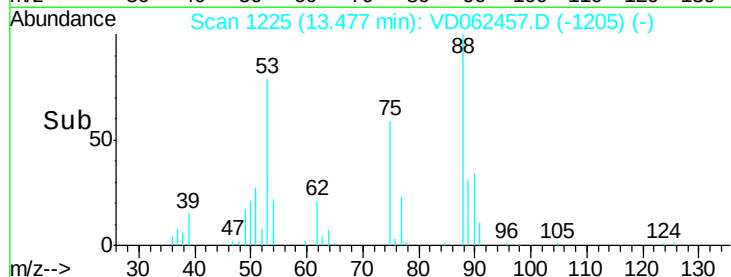
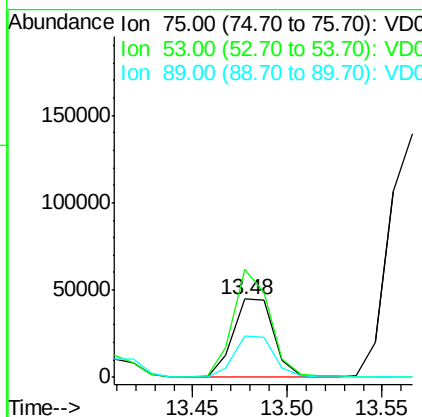
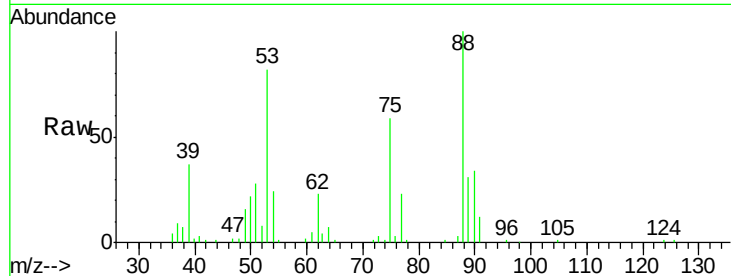
#81
trans-1,4-Dichloro-2-butene
Concen: 47.711 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	138.5	65.8	98.8#
89	52.3	35.0	52.6

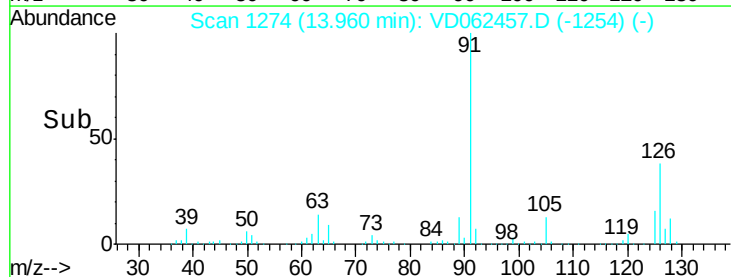
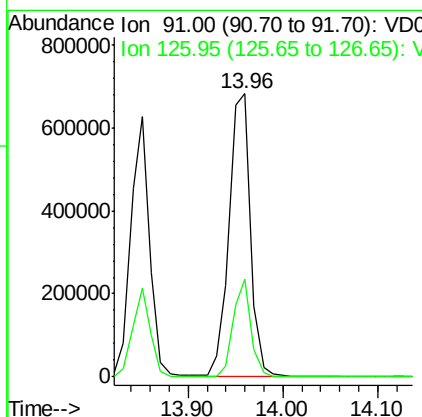
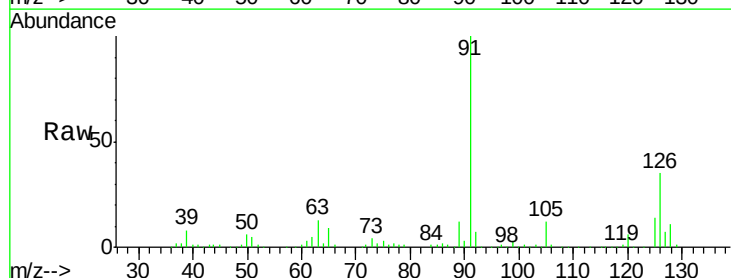
Manual Integrations
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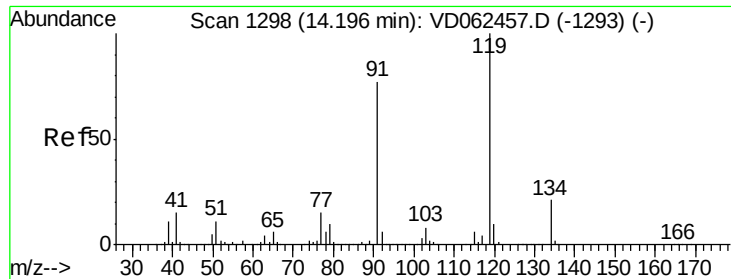
MMDadoda
5/22/2019 4:49:03 AM



#82
4-Chlorotoluene
Concen: 52.675 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	19.1	57.5





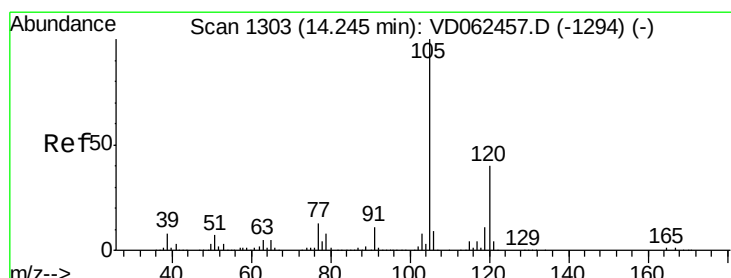
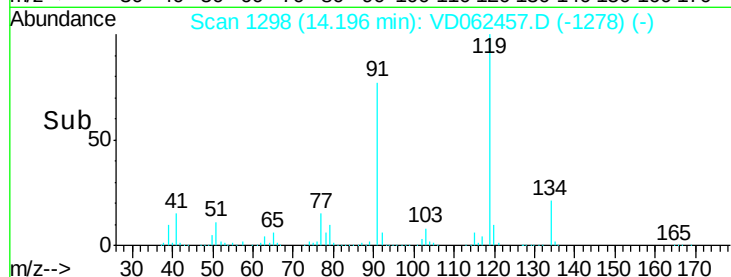
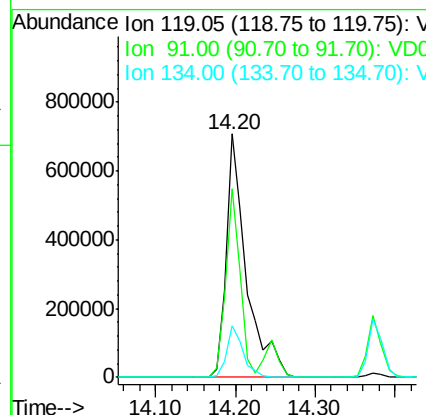
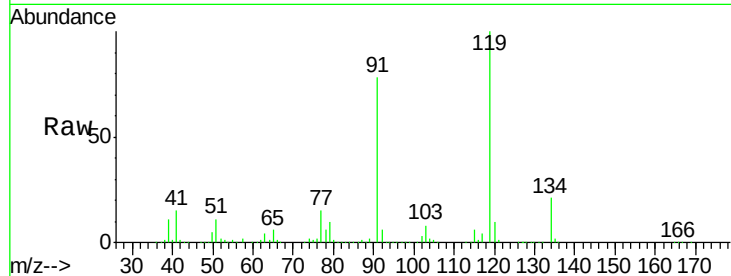
#83
 tert-Butylbenzene
 Concen: 52.499 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:119 Resp: 1251923
 Ion Ratio Lower Upper
 119 100
 91 77.5 34.2 102.6
 134 21.1 12.0 36.0

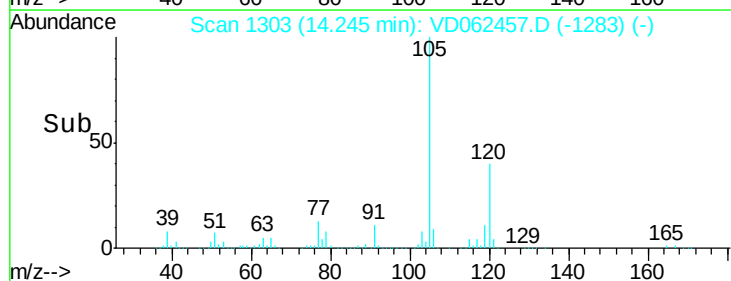
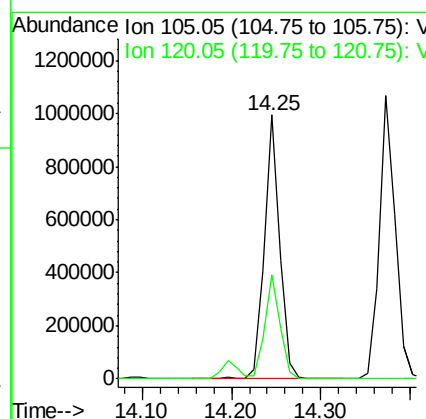
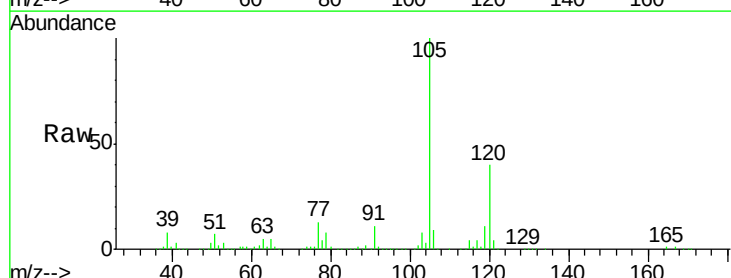
Manual Integrations
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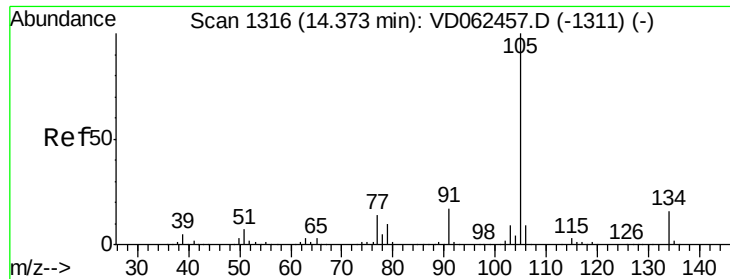
MMDadoda
 5/22/2019 4:49:03 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.419 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Tgt Ion:105 Resp: 1158603
 Ion Ratio Lower Upper
 105 100
 120 39.6 23.1 69.2





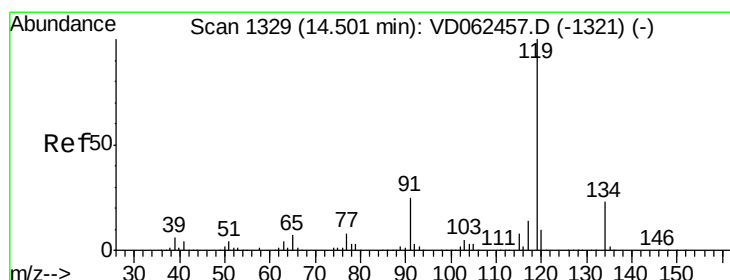
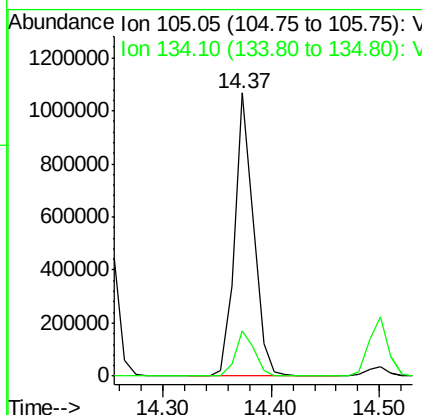
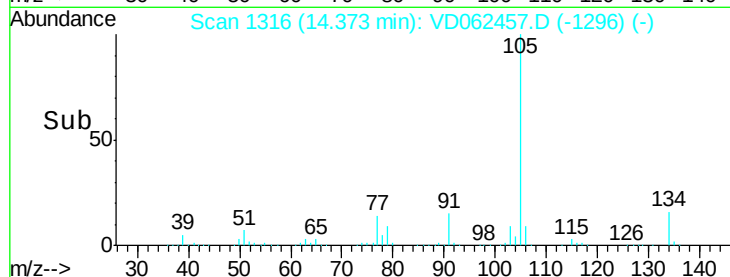
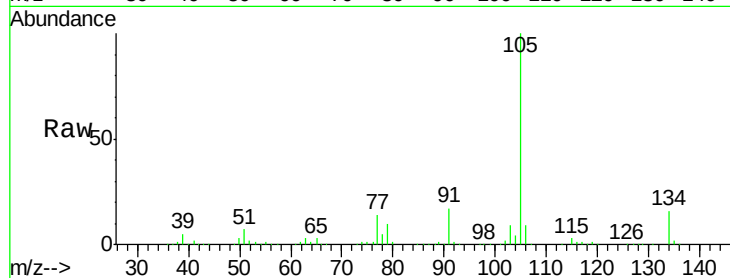
#85
 sec-Butylbenzene
 Concen: 49.616 ug/l
 RT: 14.37 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1297254
 Ion Ratio Lower Upper
 105 100
 134 15.9 8.9 26.7

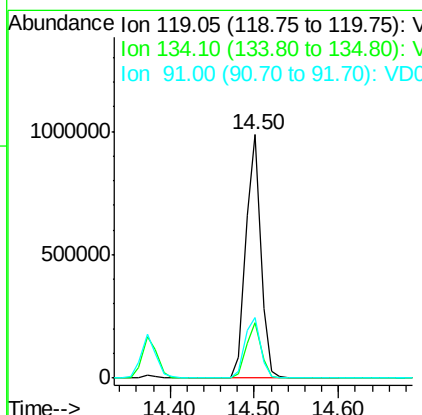
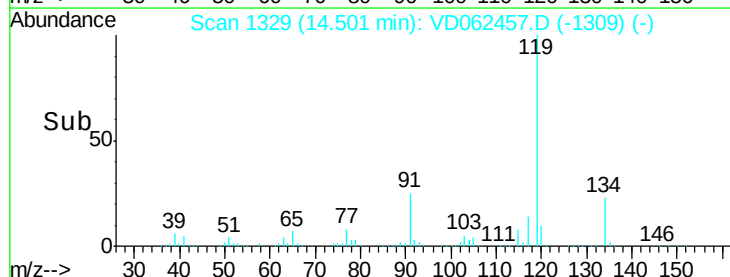
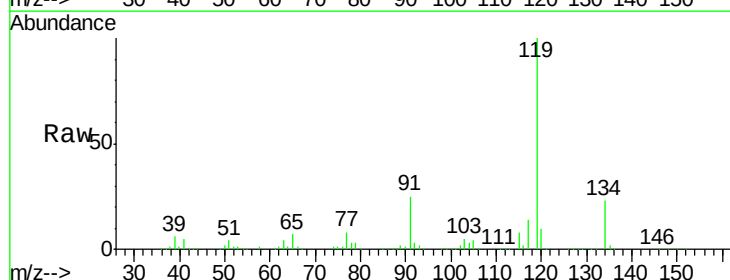
Manual Integrations
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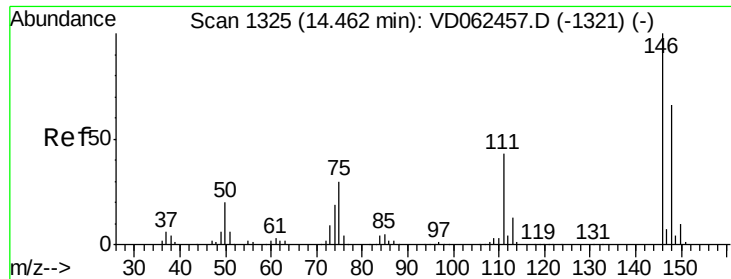
MMDadoda
 5/22/2019 4:49:03 AM



#86
 p-Isopropyltoluene
 Concen: 52.242 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Tgt Ion:119 Resp: 1220361
 Ion Ratio Lower Upper
 119 100
 134 22.8 12.8 38.3
 91 24.8 10.7 32.1





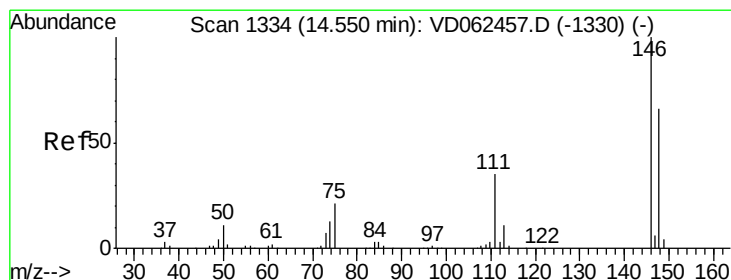
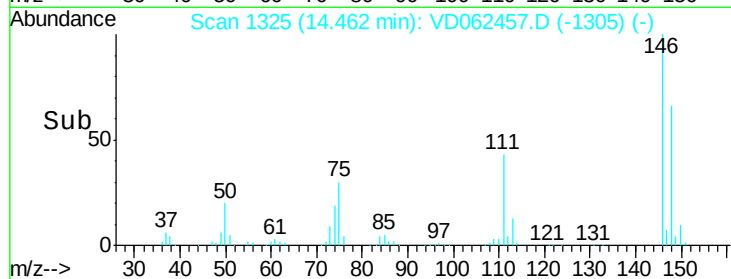
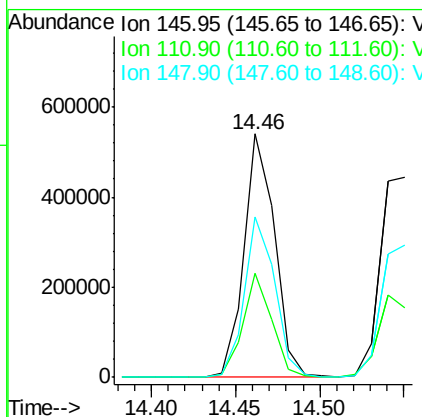
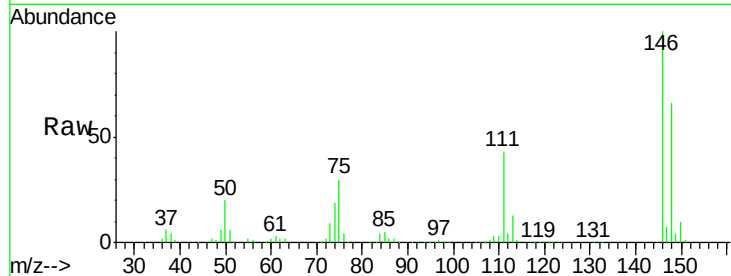
#87
 1,3-Dichlorobenzene
 Concen: 53.092 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.0	60.0
148	65.6	31.8	95.4

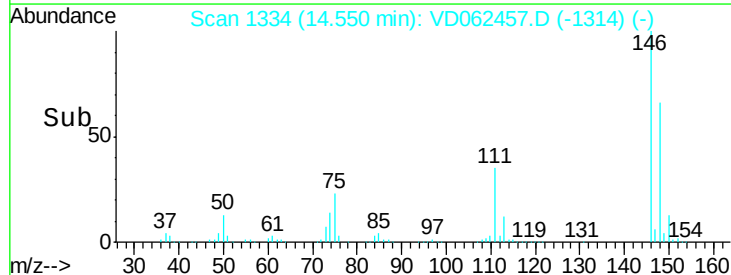
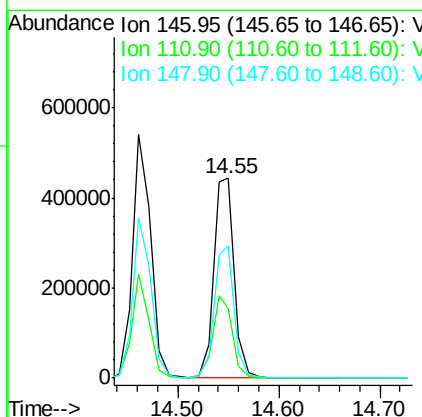
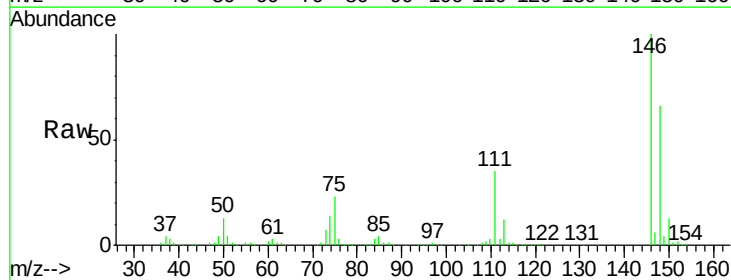
Manual Integrations
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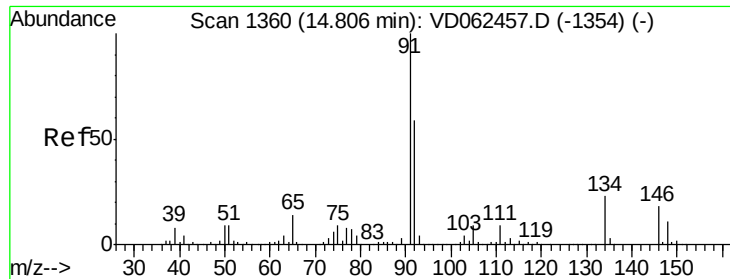
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 5/22/2019 4:49:03 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.836 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.9	20.2	60.5
148	65.9	32.0	96.2





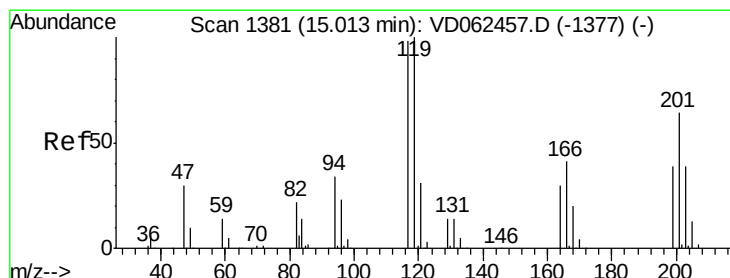
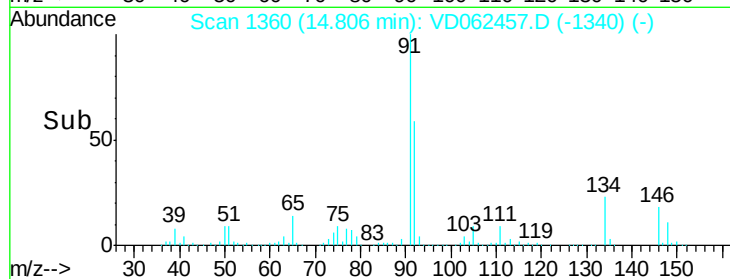
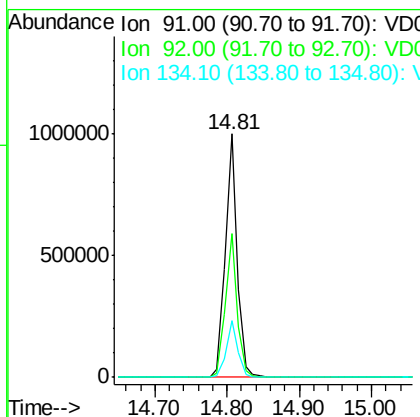
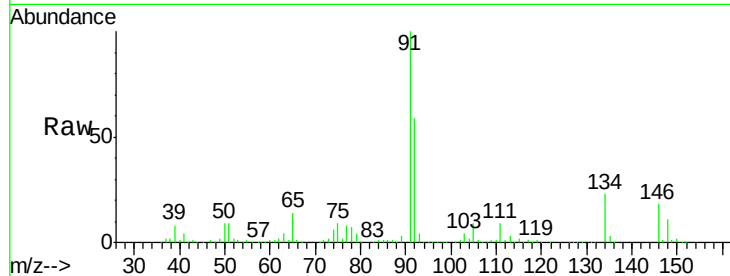
#89
n-Butylbenzene
Concen: 53.689 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1125694
Ion Ratio Lower Upper
91 100
92 59.1 30.3 91.0
134 23.4 14.5 43.6

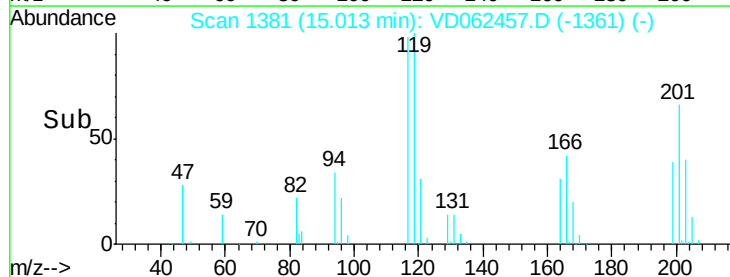
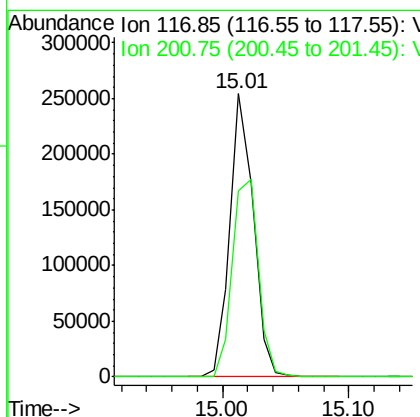
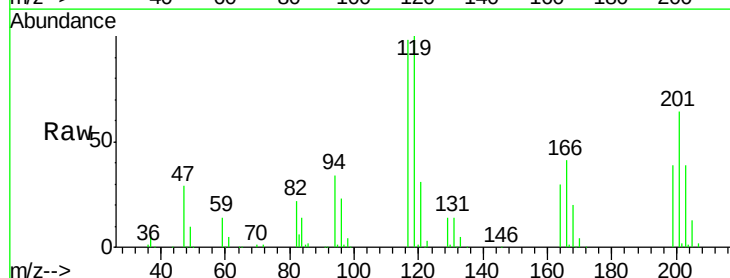
Manual Integrations
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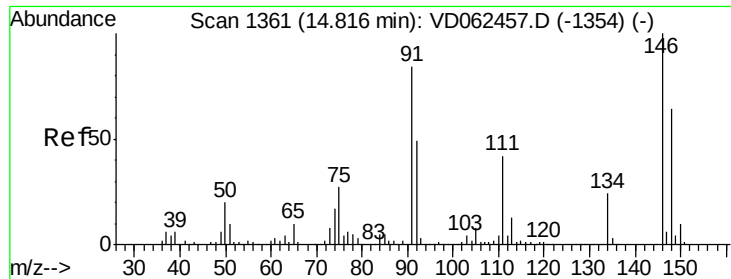
MMDadoda
5/22/2019 4:49:03 AM



#90
Hexachloroethane
Concen: 51.489 ug/l
RT: 15.01 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion: 117 Resp: 327088
Ion Ratio Lower Upper
117 100
201 65.9 30.2 90.6





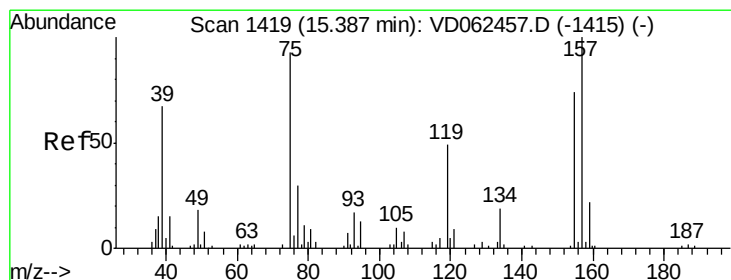
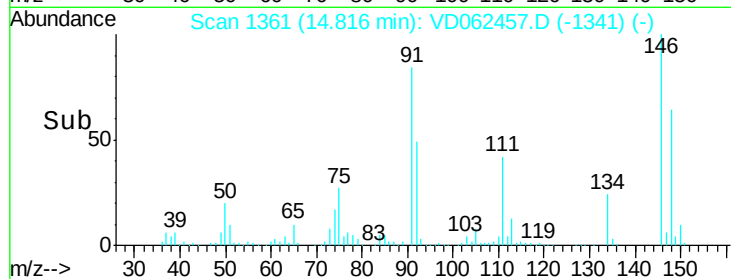
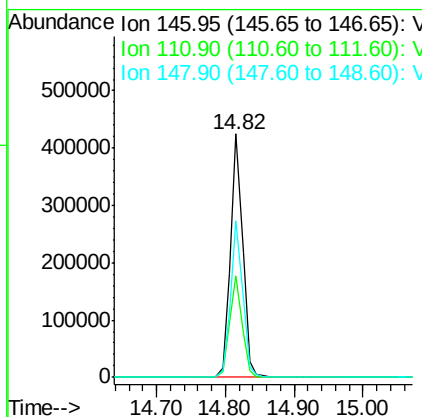
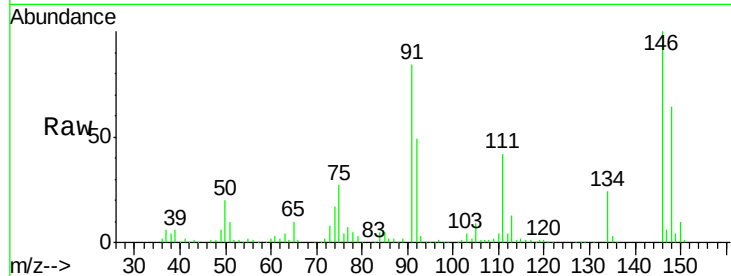
#91
 1,2-Dichlorobenzene
 Concen: 49.312 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.0	59.9
148	64.4	32.3	96.8

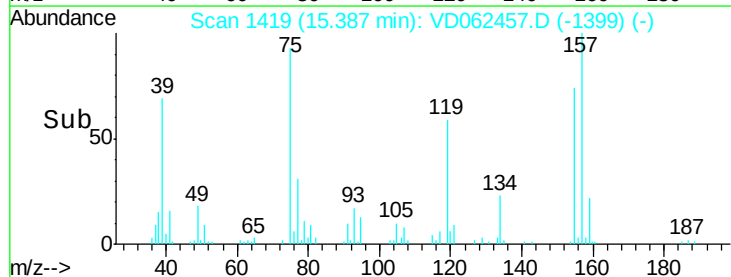
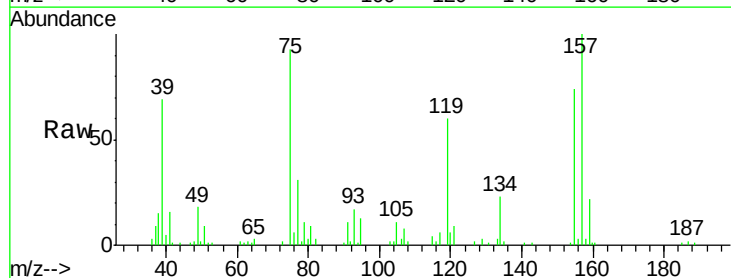
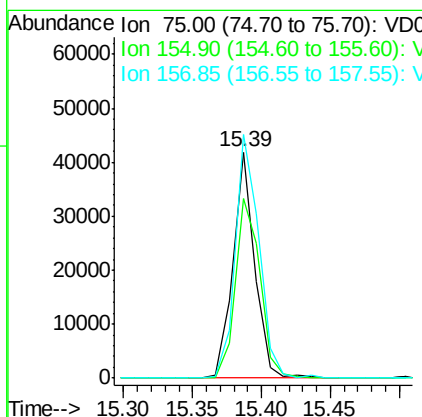
Manual Integrations
 APPROVED

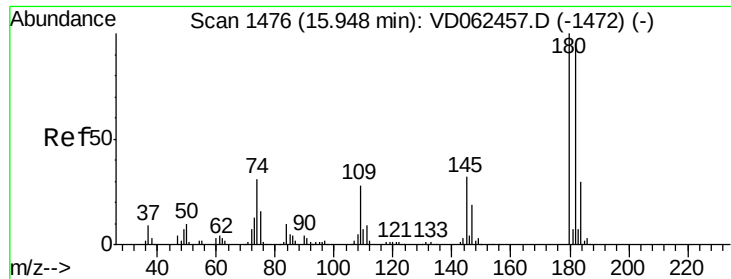
MMDadoda
 5/22/2019 4:49:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.729 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	55.3	165.8
157	107.7	67.8	203.2





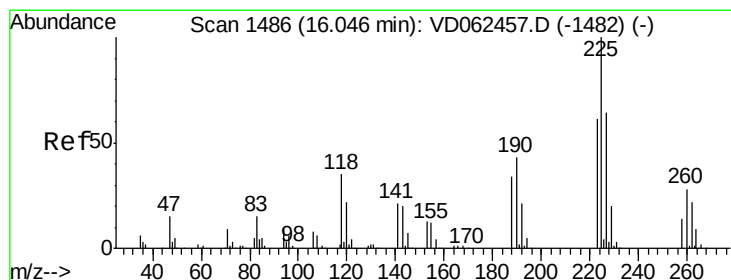
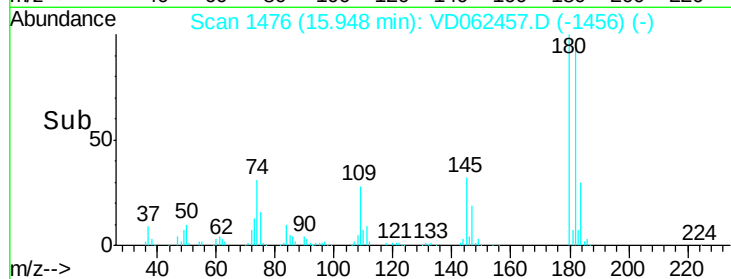
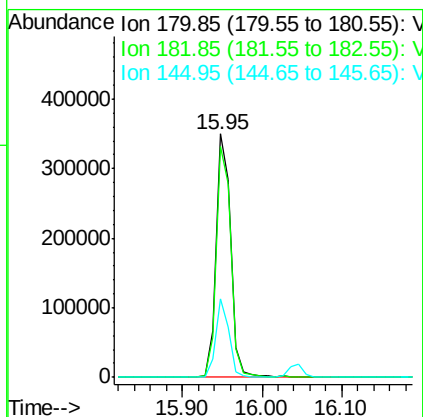
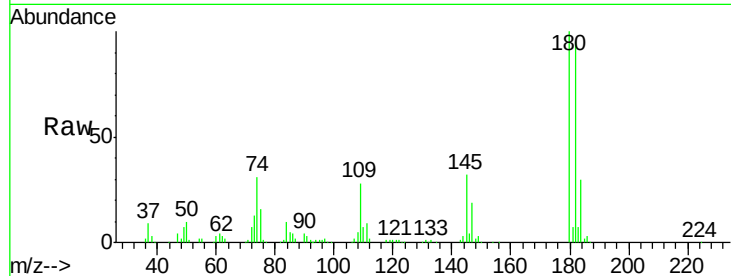
#93
 1,2,4-Trichlorobenzene
 Concen: 58.844 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	49.3	147.8
145	32.3	16.2	48.6

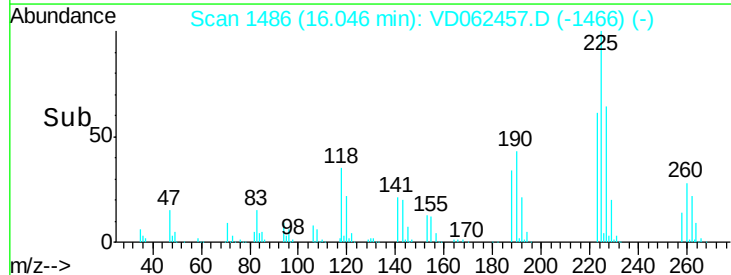
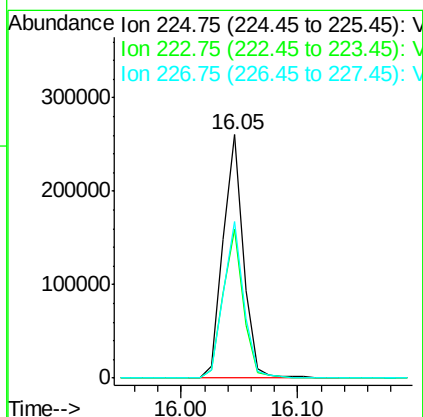
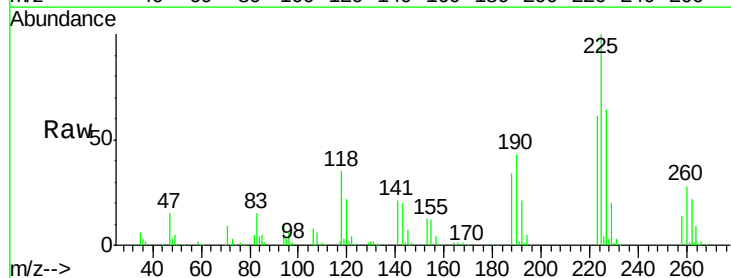
Manual Integrations
 APPROVED

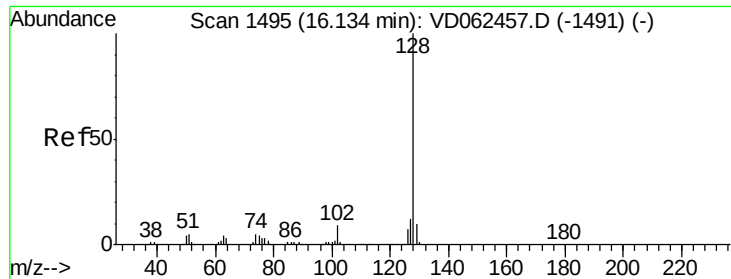
MMDadoda
 5/22/2019 4:49:03 AM



#94
 Hexachlorobutadiene
 Concen: 55.277 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD062457.D
 Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	30.6	92.0
227	64.3	32.0	96.2





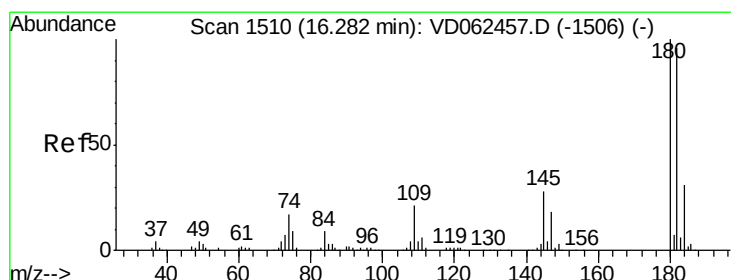
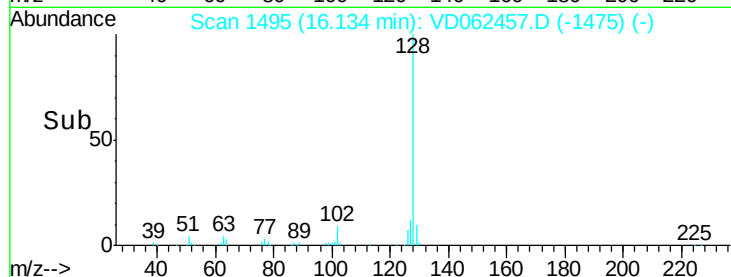
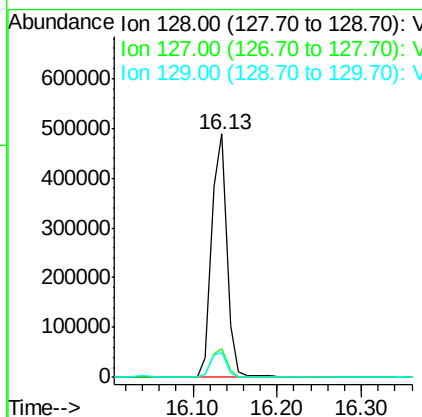
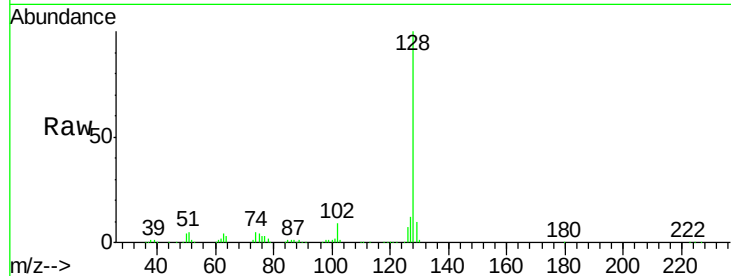
#95
Naphthalene
Concen: 57.601 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.8	9.8	14.8
129	10.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/22/2019 4:49:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 76.345 ug/l
RT: 16.28 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VD062457.D
Acq: 20 May 2019 15:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.0	141.0
145	28.0	17.0	51.0

