

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061365.D
 Acq On : 27 Mar 2019 21:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/29/2019 2:00:47 PM

Quant Time: Mar 28 09:33:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	698284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1216822	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	998319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	412538	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	291500	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	6.89	113	441083	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	10.38	98	1045639	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
62) 4-Bromofluorobenzene	13.54	95	398567	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	339628	45.543	ug/l	100
3) Chloromethane	1.75	50	259672	42.696	ug/l	99
4) Vinyl Chloride	1.84	62	245491	43.961	ug/l	98
5) Bromomethane	2.15	94	61165	55.236	ug/l	95
6) Chloroethane	2.26	64	90267	55.122	ug/l	96
7) Trichlorofluoromethane	2.52	101	376750	46.396	ug/l	99
8) Diethyl Ether	2.86	74	113356	43.357	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.14	101	406945	46.615	ug/l	97
10) Methyl Iodide	3.30	142	614215	46.538	ug/l	99
11) Tert butyl alcohol	4.04	59	87490	235.516	ug/l	98
12) 1,1-Dichloroethene	3.11	96	344199	45.923	ug/l	96
13) Acrolein	3.02	56	65599	229.928	ug/l	98
14) Allyl chloride	3.61	41	500726	47.898	ug/l	100
15) Acrylonitrile	4.18	53	301350	233.724	ug/l	95
16) Acetone	3.20	43	336975	219.756	ug/l	99
17) Carbon Disulfide	3.36	76	1073309	44.075	ug/l	99
18) Methyl Acetate	3.63	43	153175	47.510	ug/l	99
19) Methyl tert-butyl Ether	4.22	73	644284	49.659	ug/l	99
20) Methylene Chloride	3.80	84	408453	47.451	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	395557	48.882	ug/l	97
22) Diisopropyl ether	5.09	45	1038973	46.965	ug/l	97
23) Vinyl Acetate	5.02	43	2823779	234.988	ug/l	97
24) 1,1-Dichloroethane	4.95	63	643933	49.529	ug/l	99
25) 2-Butanone	6.04	43	429184	222.503	ug/l	99
26) 2,2-Dichloropropane	6.00	77	464729	44.966	ug/l	98
27) cis-1,2-Dichloroethene	6.01	96	413143	46.599	ug/l	100
28) Bromochloromethane	6.41	49	266170	50.718	ug/l #	100
29) Tetrahydrofuran	6.43	42	237736	254.284	ug/l	98
30) Chloroform	6.64	83	667613	49.697	ug/l	100
31) Cyclohexane	6.93	56	459338	44.709	ug/l	97
32) 1,1,1-Trichloroethane	6.84	97	575074	48.524	ug/l	98
36) 1,1-Dichloropropene	7.12	75	485025	45.671	ug/l	98
37) Ethyl Acetate	6.16	43	216448	47.655	ug/l	98
38) Carbon Tetrachloride	7.08	117	534830m	43.826	ug/l	

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 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	495689	44.815	ug/l	98
40) Benzene	7.43	78	1234650	46.322	ug/l	99
41) Methacrylonitrile	6.42	41	255252	48.064	ug/l	98
42) 1,2-Dichloroethane	7.55	62	404243	50.703	ug/l	100
43) Isopropyl Acetate	9.22	43	295865	44.771	ug/l #	99
44) Trichloroethene	8.52	130	492583	49.660	ug/l	93
45) 1,2-Dichloropropane	8.91	63	328599	48.620	ug/l	99
46) Dibromomethane	9.04	93	220116	48.388	ug/l	99
47) Bromodichloromethane	9.34	83	502065	49.174	ug/l	95
48) Methyl methacrylate	9.09	41	163046	44.705	ug/l	96
49) 1,4-Dioxane	9.05	88	39032	970.278	ug/l	96
51) 4-Methyl-2-Pentanone	10.27	43	937286	233.124	ug/l	98
52) Toluene	10.49	92	779781	47.955	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	458861	49.466	ug/l	99
54) cis-1,3-Dichloropropene	10.01	75	531781	47.079	ug/l	95
55) 1,1,2-Trichloroethane	11.17	97	262706	46.197	ug/l	98
56) Ethyl methacrylate	11.02	69	288386	47.206	ug/l	99
57) 1,3-Dichloropropane	11.38	76	383278	45.855	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.83	63	700604	235.491	ug/l	100
59) 2-Hexanone	11.51	43	660635	226.788	ug/l	98
60) Dibromochloromethane	11.66	129	425285	48.511	ug/l	100
61) 1,2-Dibromoethane	11.79	107	314990	47.835	ug/l	99
64) Tetrachloroethene	11.24	164	337613	43.090	ug/l	98
65) Chlorobenzene	12.38	112	935844	45.870	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	379384	48.026	ug/l	98
67) Ethyl Benzene	12.51	91	1405154	45.122	ug/l	98
68) m/p-Xylenes	12.65	106	1080896	91.628	ug/l	97
69) o-Xylene	13.04	106	558146	48.757	ug/l	94
70) Styrene	13.06	104	926198	46.413	ug/l	99
71) Bromoform	13.21	173	239305	47.788	ug/l	100
73) Isopropylbenzene	13.39	105	1338235	46.609	ug/l	99
74) N-amyl acetate	13.25	43	394586	49.333	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	304399	50.257	ug/l	96
76) 1,2,3-Trichloropropane	13.72	75	302490	50.760	ug/l	95
77) Bromobenzene	13.66	156	406060	47.705	ug/l	86
78) n-propylbenzene	13.76	91	1644473	46.802	ug/l	95
79) 2-Chlorotoluene	13.82	91	930057	48.749	ug/l	98
80) 1,3,5-Trimethylbenzene	13.92	105	1111057	49.874	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	91936	50.599	ug/l	94
82) 4-Chlorotoluene	13.93	91	1056114	50.910	ug/l	96
83) tert-Butylbenzene	14.18	119	1288394	46.277	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	1184700	49.121	ug/l	95
85) sec-Butylbenzene	14.36	105	1429179	48.322	ug/l	97
86) p-Isopropyltoluene	14.47	119	1191256	47.632	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	718148	49.822	ug/l	94
88) 1,4-Dichlorobenzene	14.52	146	675771	48.075	ug/l	98
89) n-Butylbenzene	14.79	91	1078550	46.986	ug/l	97
90) Hexachloroethane	15.00	117	378920	53.630	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	546983	46.264	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	38417	54.080	ug/l	67

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VSTDCCC050EC

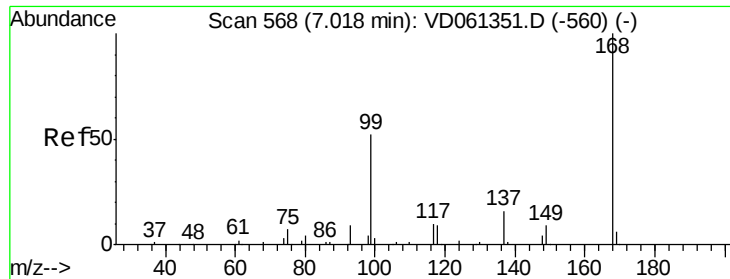
Manual Integrations
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3/29/2019 2:00:47 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	277415	51.508	ug/l	99
94) Hexachlorobutadiene	16.03	225	230689	54.813	ug/l	99
95) Naphthalene	16.11	128	454633	55.379	ug/l	100
96) 1,2,3-Trichlorobenzene	16.26	180	151000	63.712	ug/l	98

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



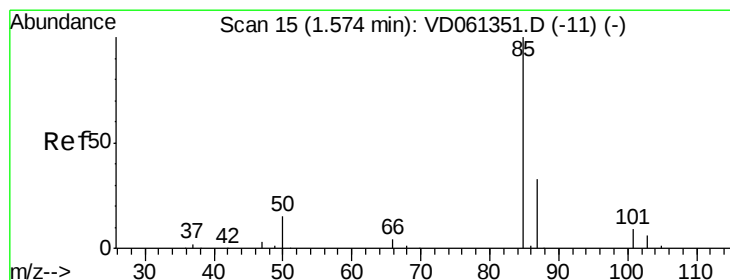
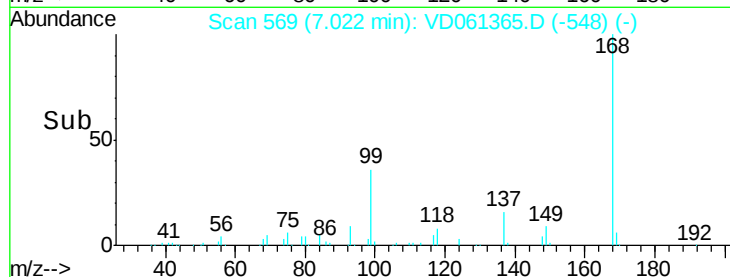
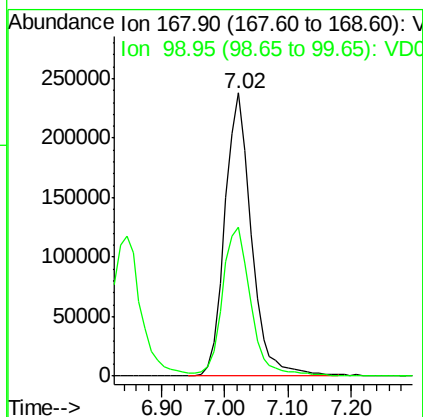
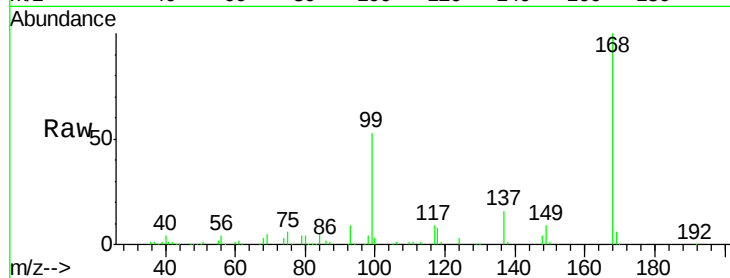
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.02 min Scan# 569
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
168	100		
99	52.7	43.1	64.7

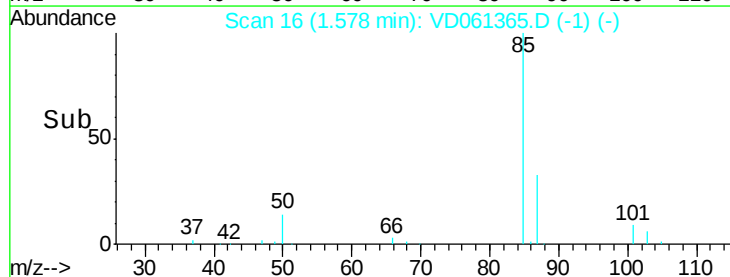
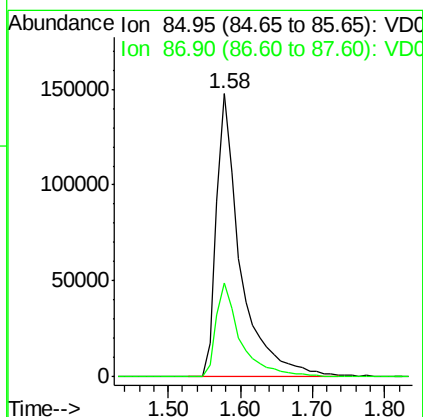
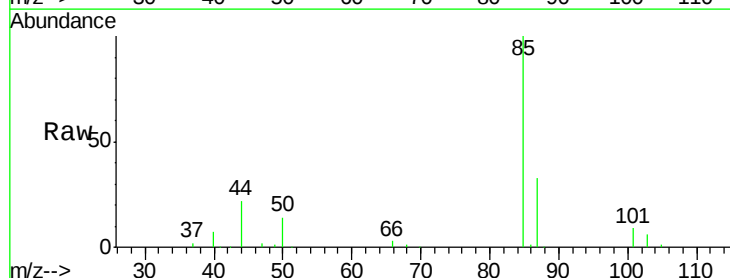
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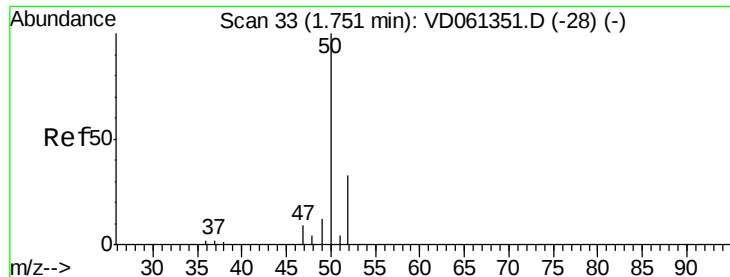
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#2
Dichlorodifluoromethane
Concen: 45.543 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.6	49.7





#3

Chloromethane

Concen: 42.696 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 259672

Ion Ratio Lower Upper

50 100

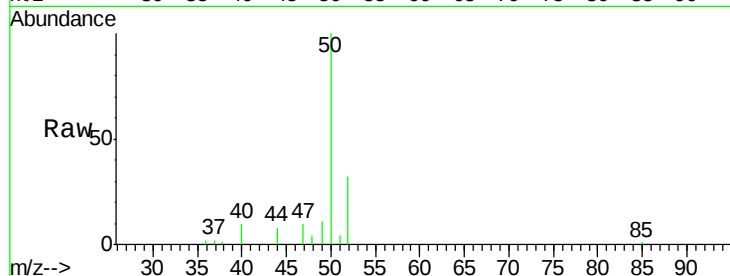
52 31.8 26.1 39.1

Manual Integrations

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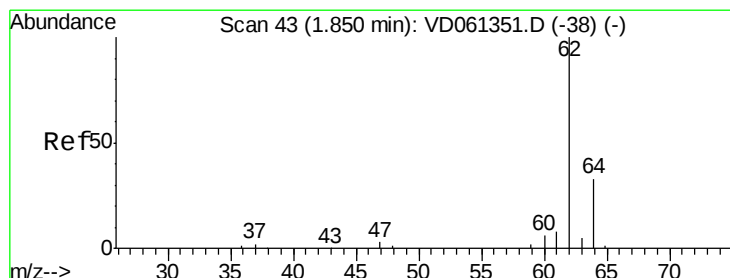
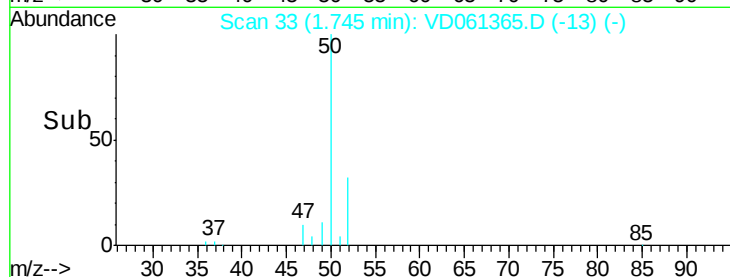
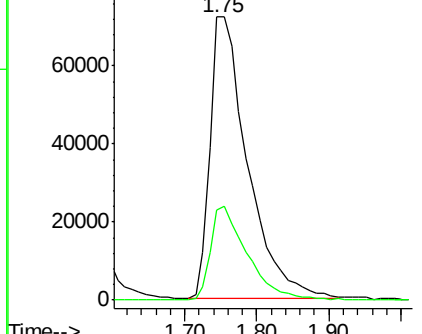
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.961 ug/l

RT: 1.84 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061365.D

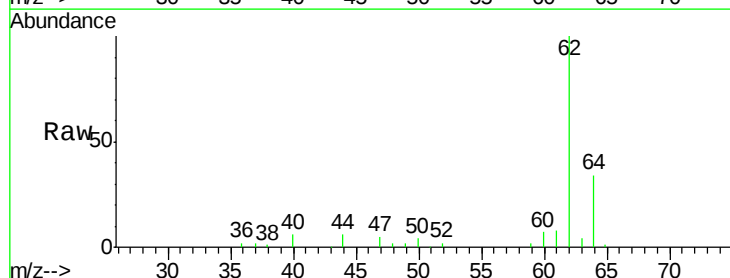
Acq: 27 Mar 2019 21:10

Tgt Ion: 62 Resp: 245491

Ion Ratio Lower Upper

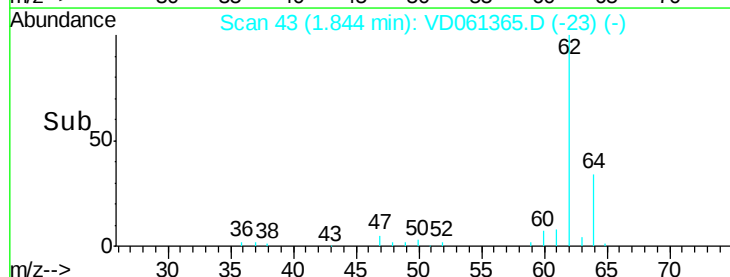
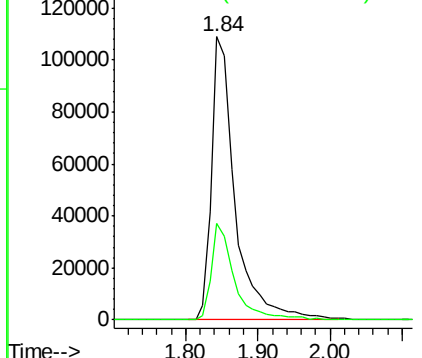
62 100

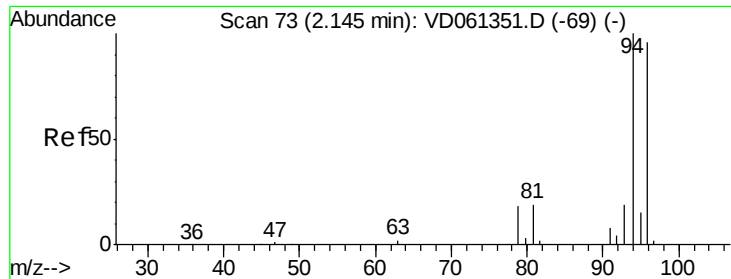
64 34.2 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 55.236 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

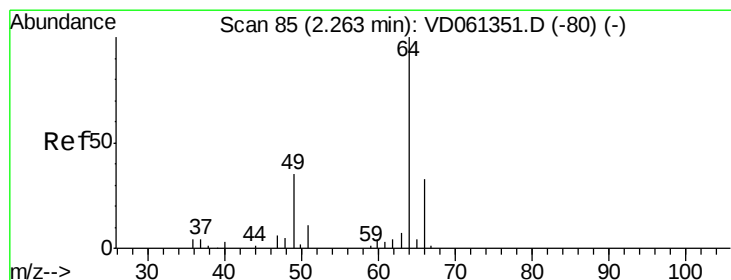
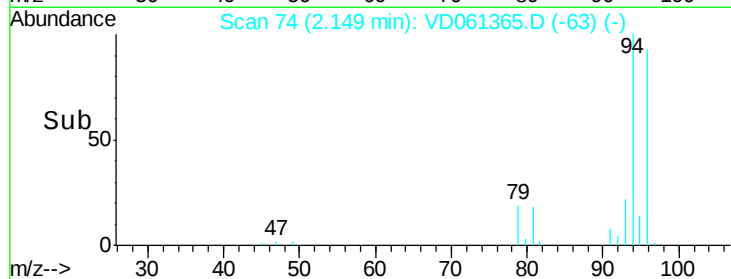
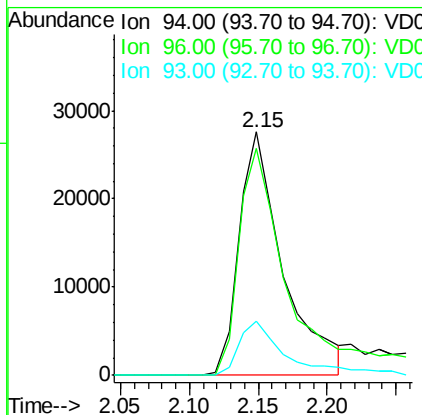
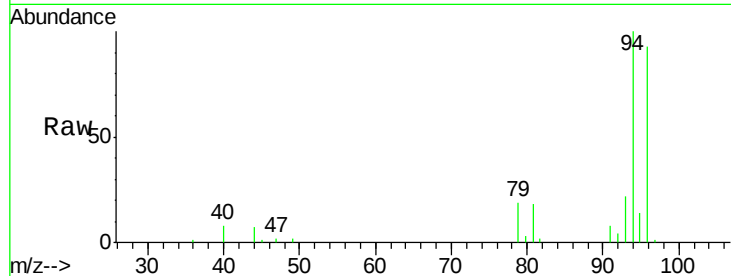
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	94	Resp:	61165
Ion	Ratio	Lower	Upper
94	100		
96	93.0	78.3	117.5
93	22.5	15.6	23.4

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#6

Chloroethane

Concen: 55.122 ug/l

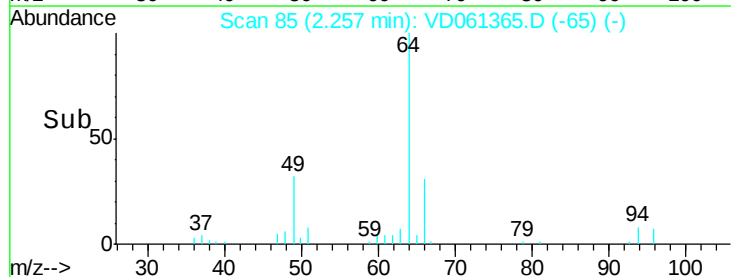
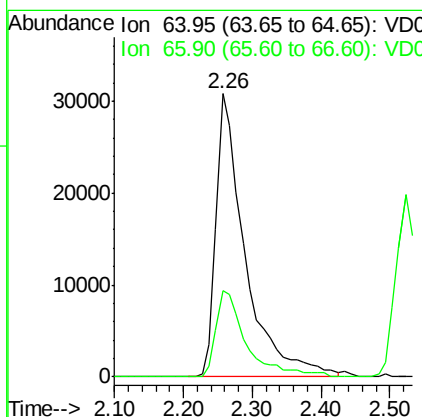
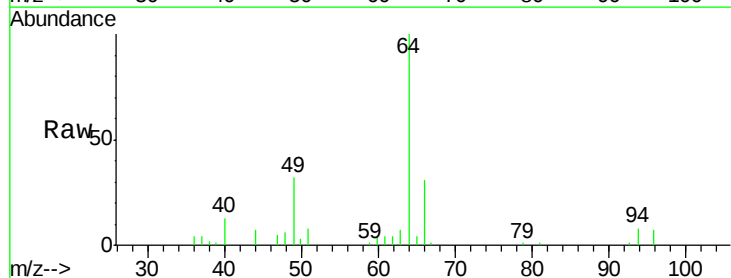
RT: 2.26 min Scan# 85

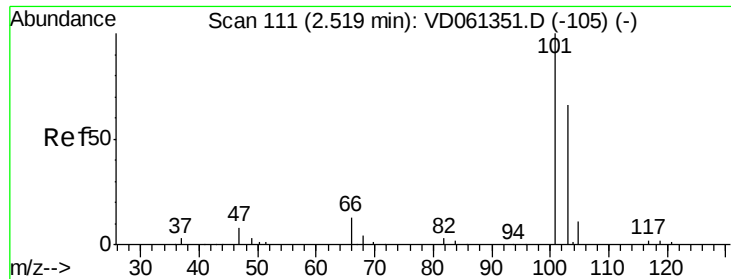
Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Tgt Ion:	64	Resp:	90267
Ion	Ratio	Lower	Upper
64	100		
66	30.6	26.2	39.2





#7

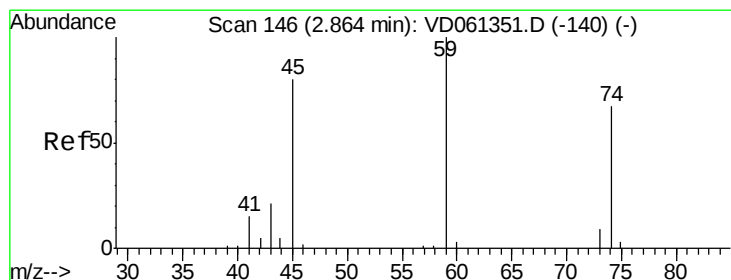
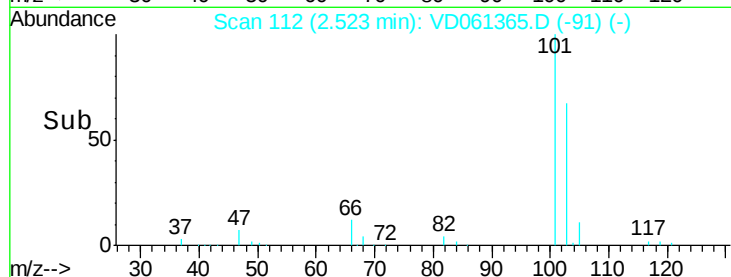
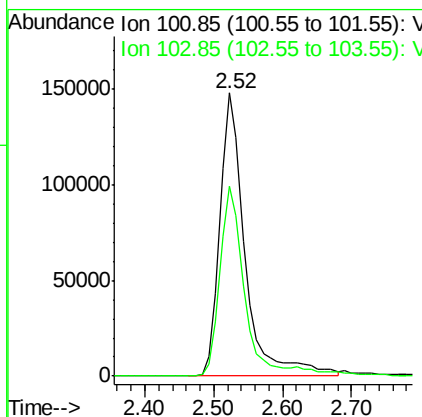
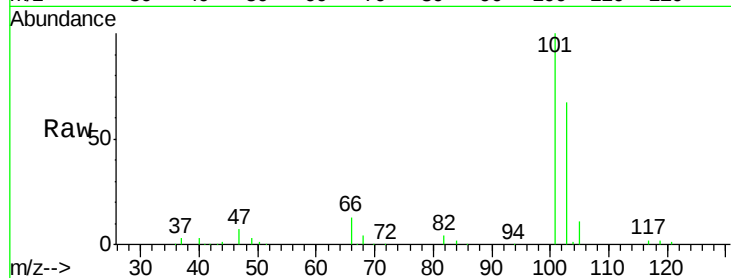
Trichlorofluoromethane
Concen: 46.396 ug/l
RT: 2.52 min Scan# 112
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 101 Resp: 376750
Ion Ratio Lower Upper
101 100
103 66.9 53.1 79.7

Manual Integrations
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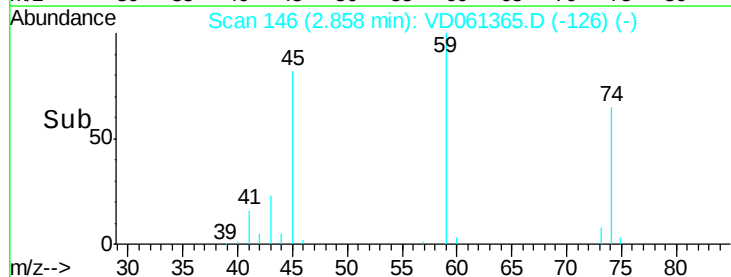
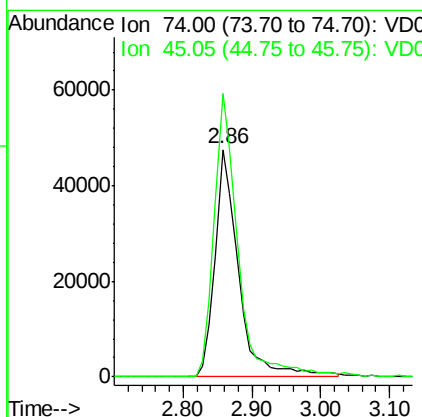
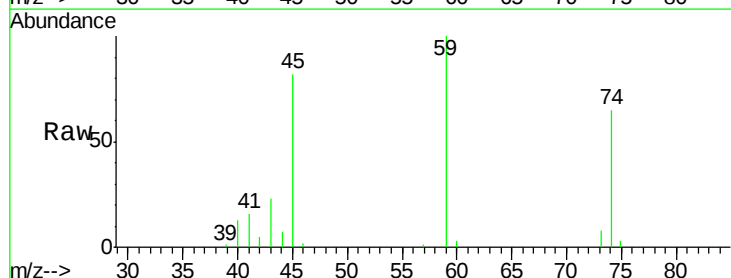
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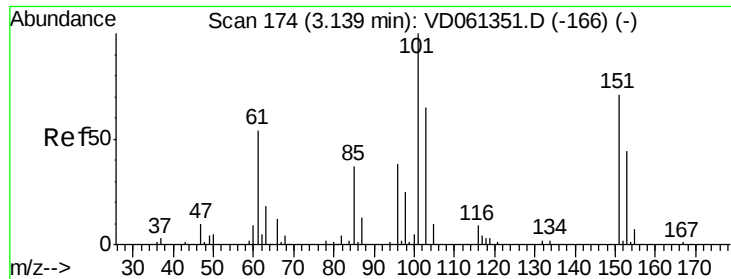


#8

Diethyl Ether
Concen: 43.357 ug/l
RT: 2.86 min Scan# 146
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 74 Resp: 113356
Ion Ratio Lower Upper
74 100
45 124.6 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.615 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

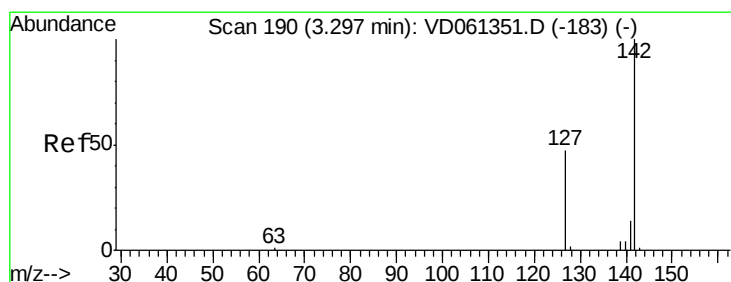
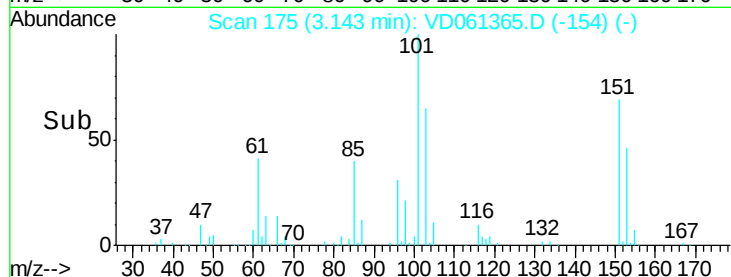
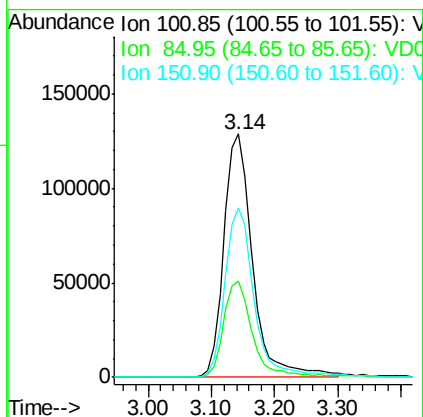
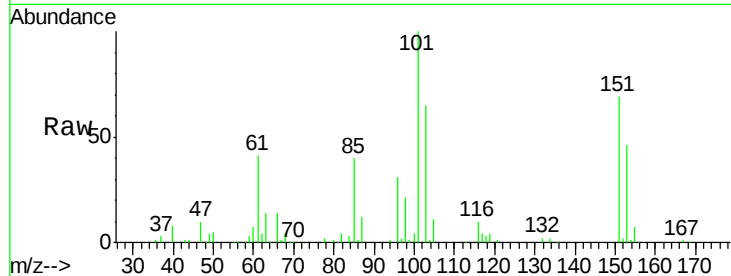
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	406945
Ion Ratio	Lower	Upper	
101	100		
85	39.6	29.4	44.0
151	69.4	57.0	85.4

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#10

Methyl Iodide

Concen: 46.538 ug/l

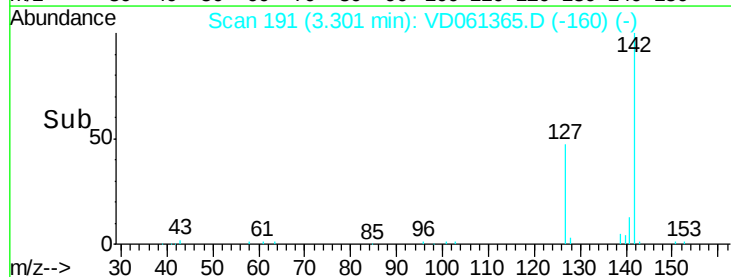
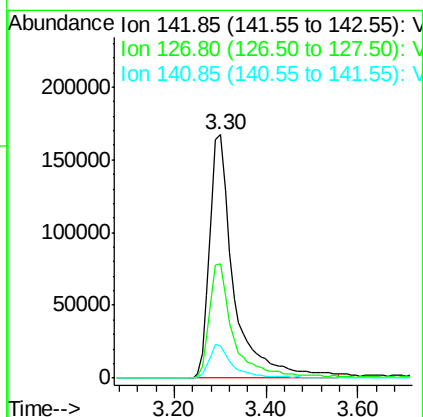
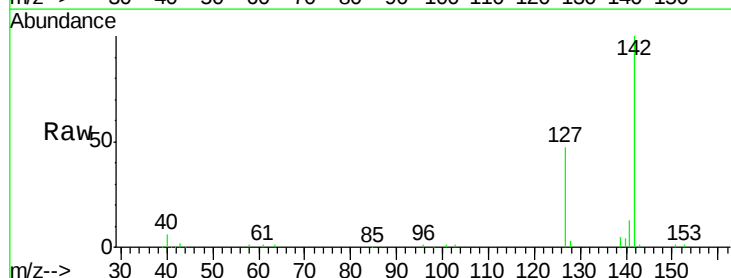
RT: 3.30 min Scan# 191

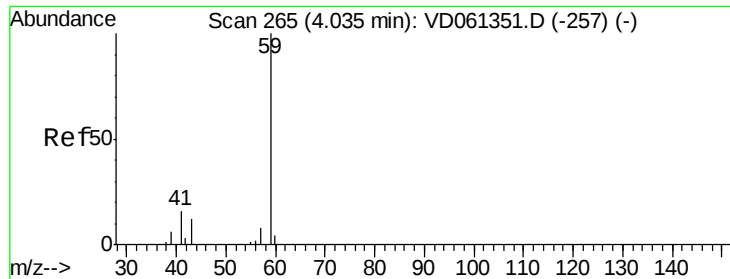
Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Tgt Ion:	142	Resp:	614215
Ion Ratio	Lower	Upper	
142	100		
127	46.9	37.7	56.5
141	13.4	11.5	17.3





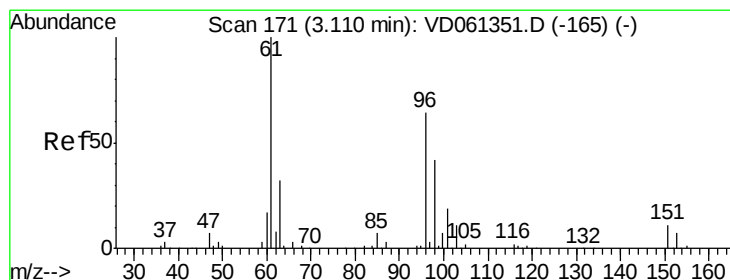
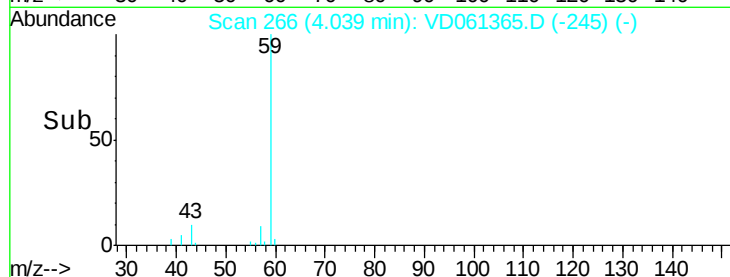
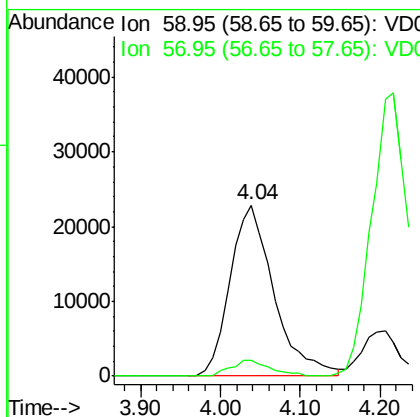
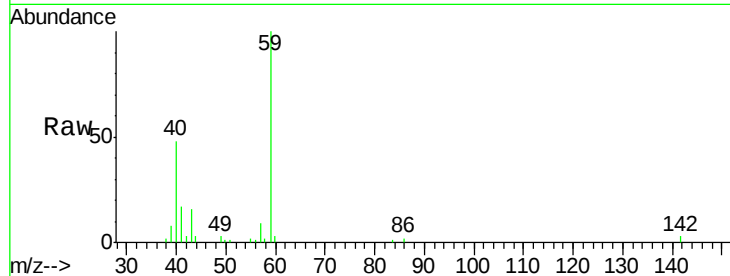
#11
Tert butyl alcohol
Concen: 235.516 ug/l
RT: 4.04 min Scan# 266
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 87490
Ion Ratio Lower Upper
59 100
57 9.1 6.7 10.1

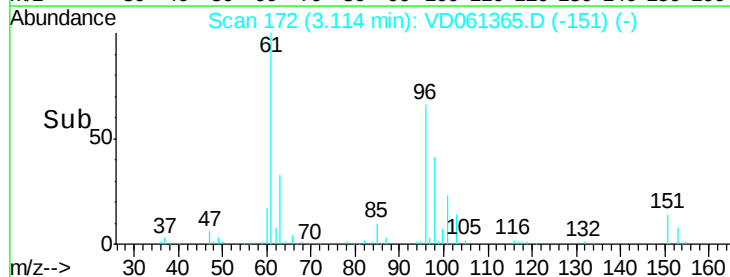
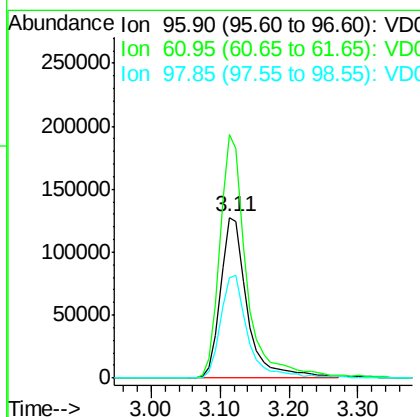
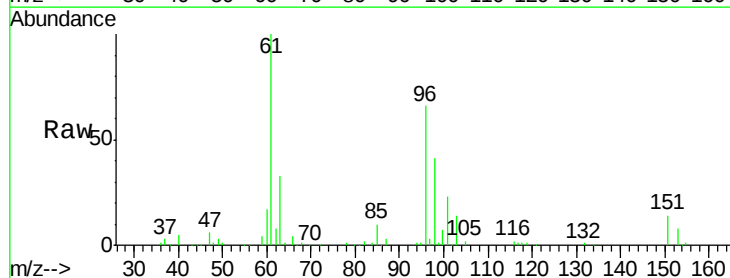
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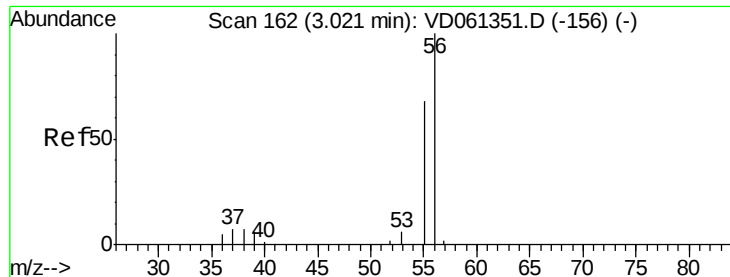
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.923 ug/l
RT: 3.11 min Scan# 172
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 96 Resp: 344199
Ion Ratio Lower Upper
96 100
61 151.4 124.9 187.3
98 62.2 52.5 78.7





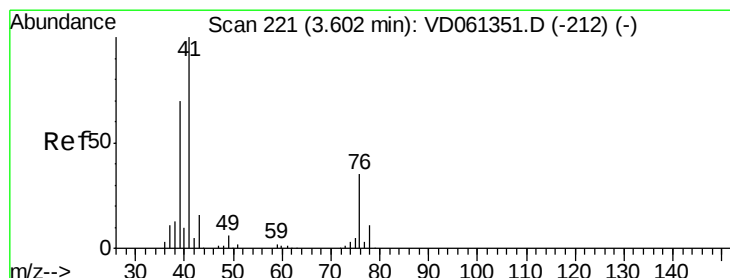
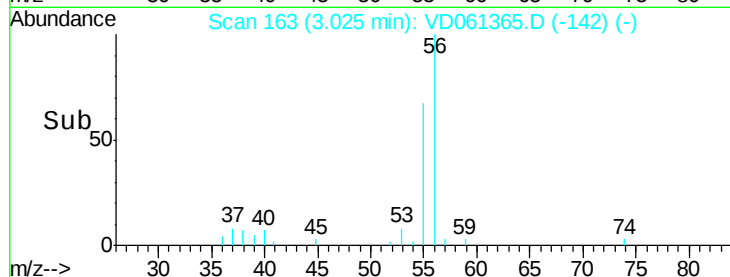
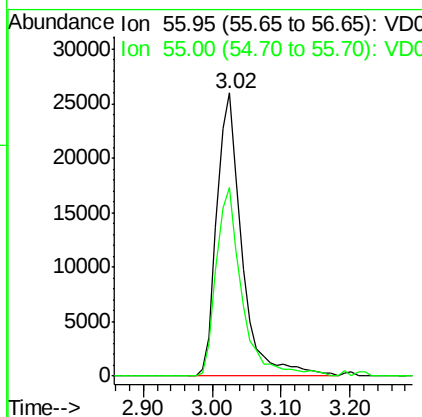
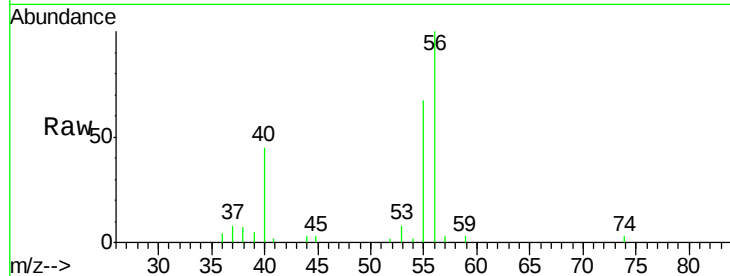
#13
Acrolein
Concen: 229.928 ug/l
RT: 3.02 min Scan# 163
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 65599
Ion Ratio Lower Upper
56 100
55 66.8 54.6 82.0

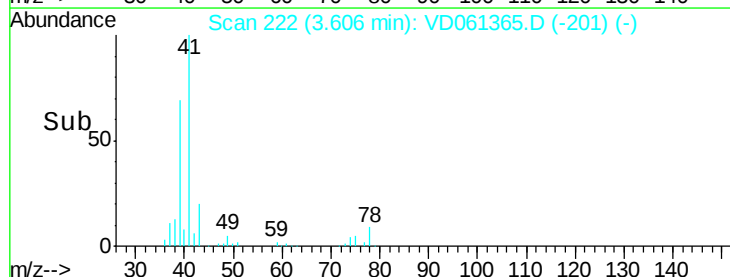
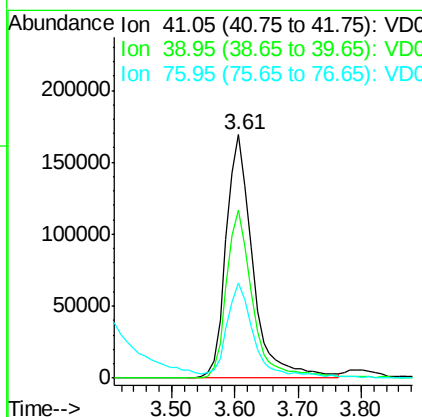
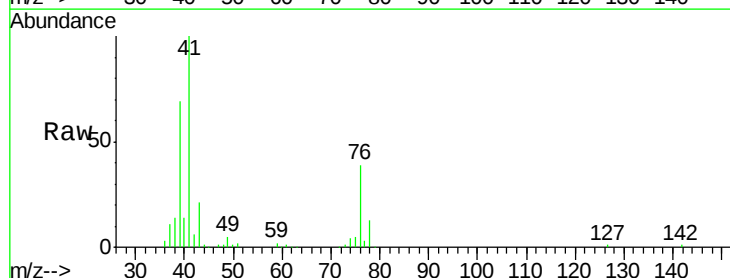
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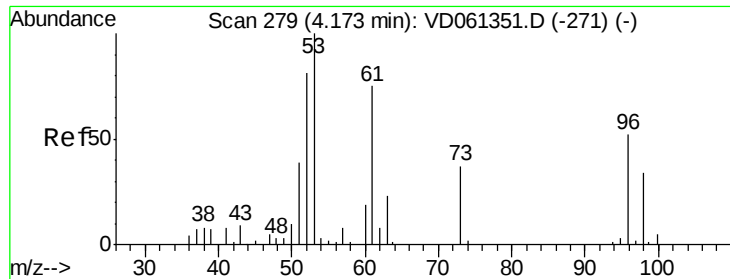
MMDadoda
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#14
Allyl chloride
Concen: 47.898 ug/l
RT: 3.61 min Scan# 222
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 41 Resp: 500726
Ion Ratio Lower Upper
41 100
39 69.3 55.6 83.4
76 39.2 31.0 46.6





#15

Acrylonitrile

Concen: 233.724 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 301350

Ion Ratio Lower Upper

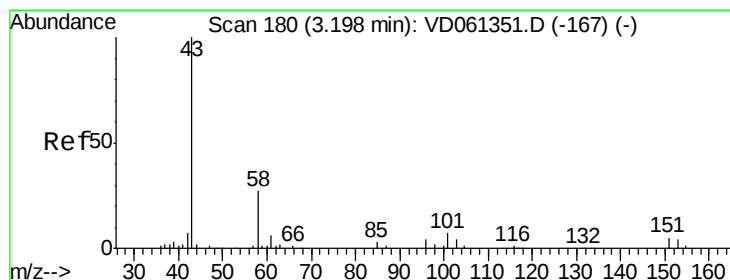
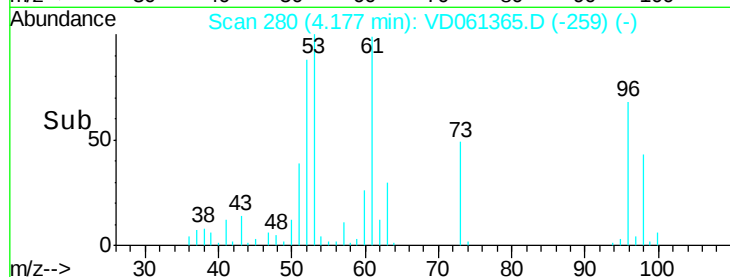
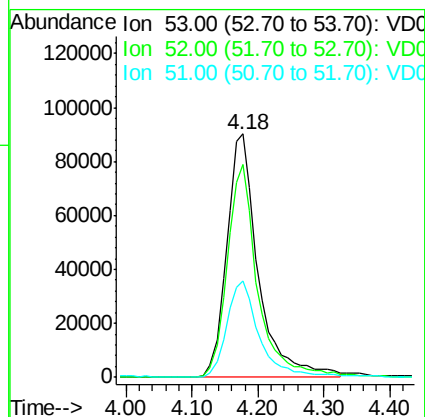
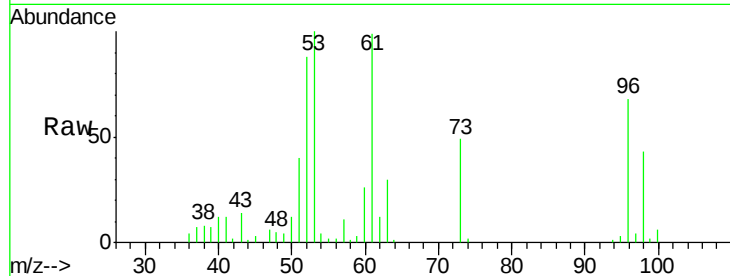
53 100

52 87.6 64.8 97.2

51 39.6 31.4 47.2

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#16

Acetone

Concen: 219.756 ug/l

RT: 3.20 min Scan# 181

Delta R.T. 0.00 min

Lab File: VD061365.D

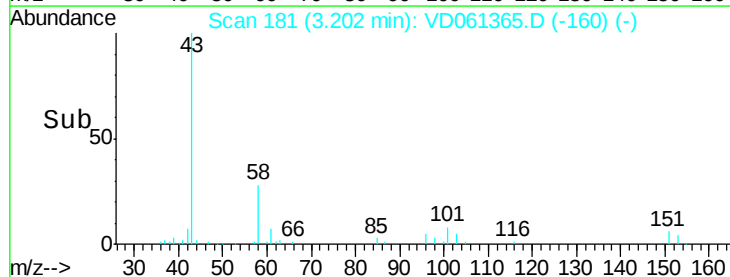
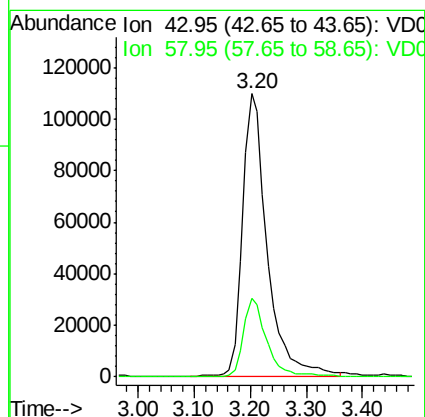
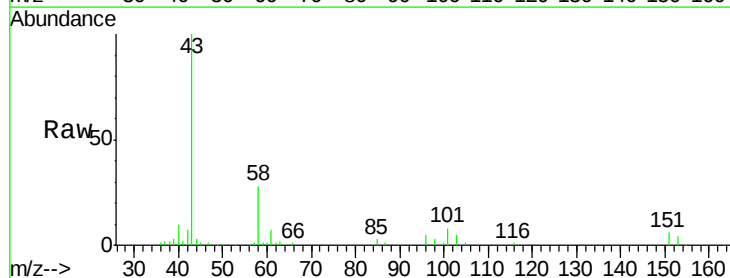
Acq: 27 Mar 2019 21:10

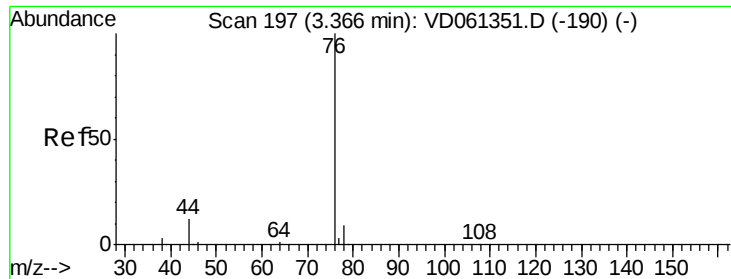
Tgt Ion: 43 Resp: 336975

Ion Ratio Lower Upper

43 100

58 27.6 21.5 32.3





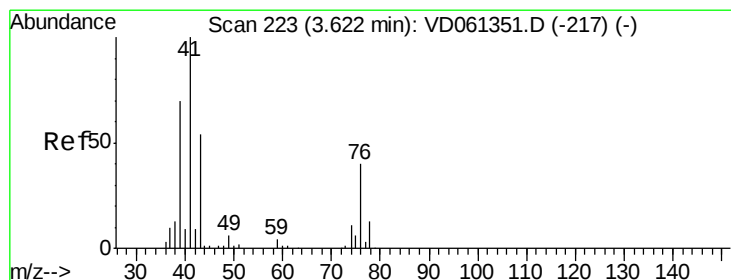
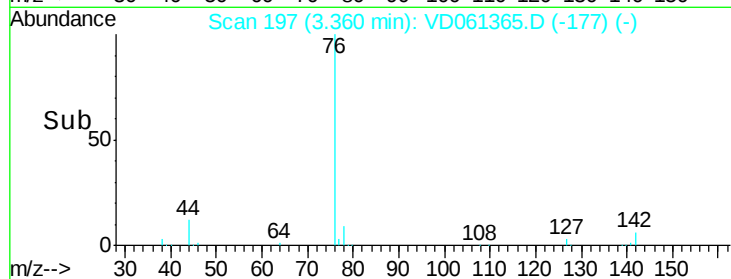
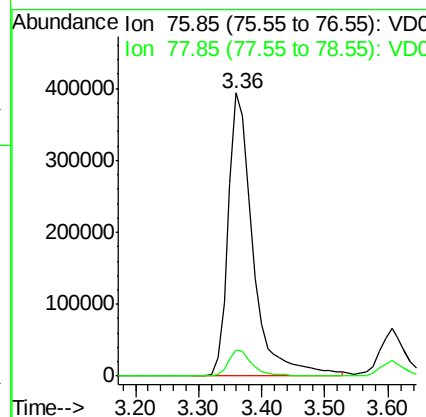
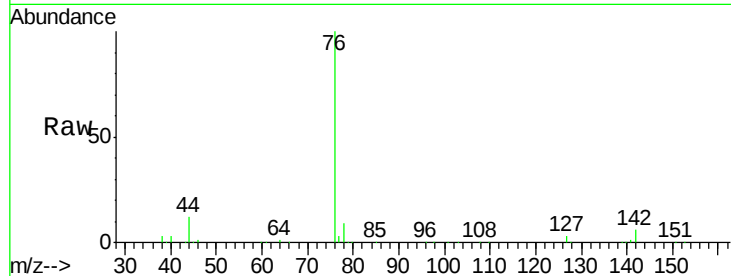
#17
Carbon Disulfide
Concen: 44.075 ug/l
RT: 3.36 min Scan# 197
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 1073309
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7

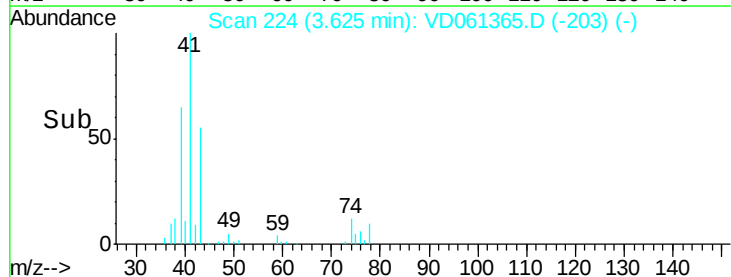
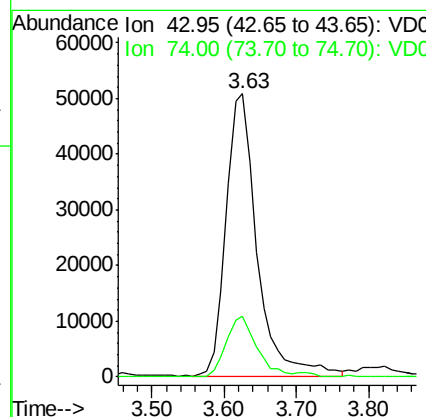
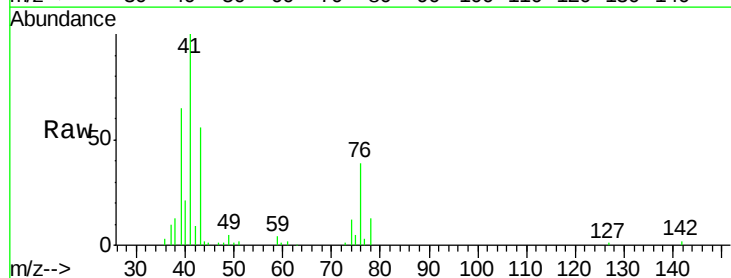
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#18
Methyl Acetate
Concen: 47.510 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 43 Resp: 153175
Ion Ratio Lower Upper
43 100
74 21.4 16.7 25.1





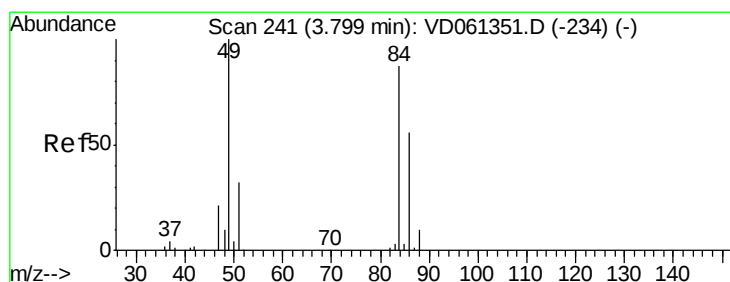
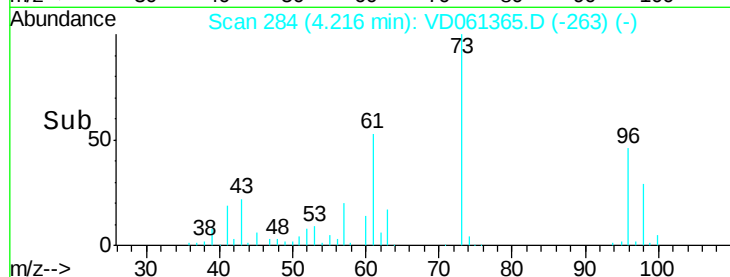
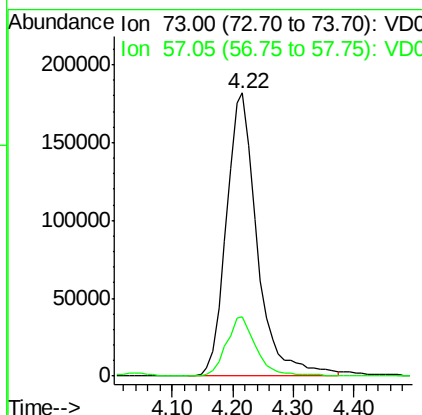
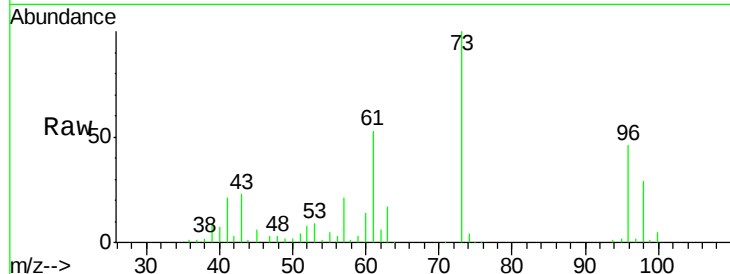
#19
Methyl tert-butyl Ether
Concen: 49.659 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 644284
Ion Ratio Lower Upper
73 100
57 20.8 16.4 24.6

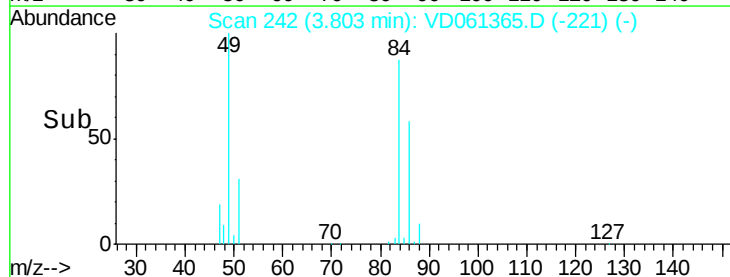
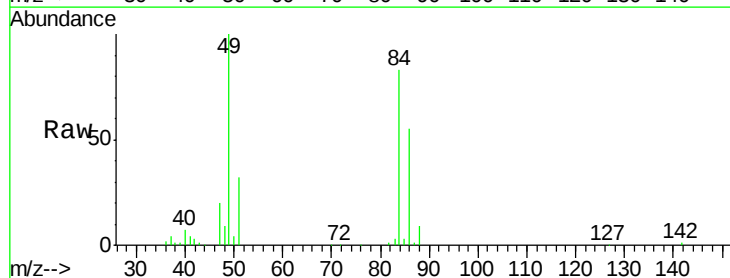
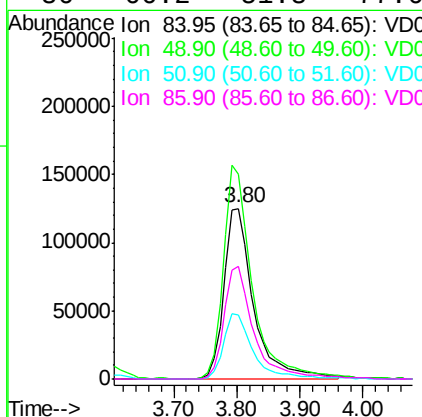
Manual Integrations
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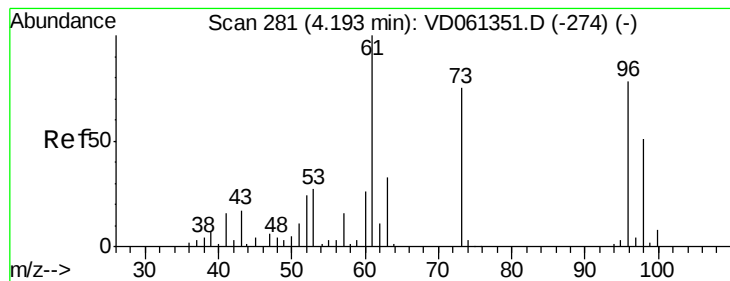
MMDadoda
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#20
Methylene Chloride
Concen: 47.451 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 84 Resp: 408453
Ion Ratio Lower Upper
84 100
49 120.2 91.8 137.8
51 38.0 29.8 44.8
86 66.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.882 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 395557

Ion Ratio Lower Upper

96 100

61 131.1 102.7 154.1

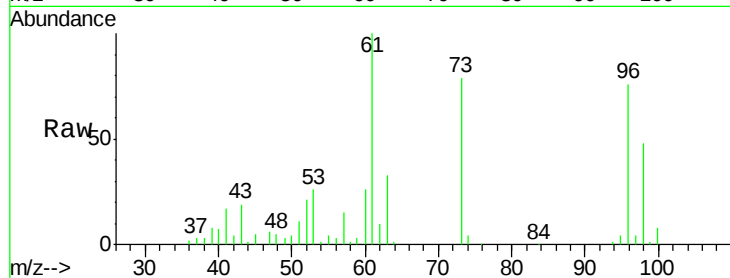
98 63.1 52.2 78.4

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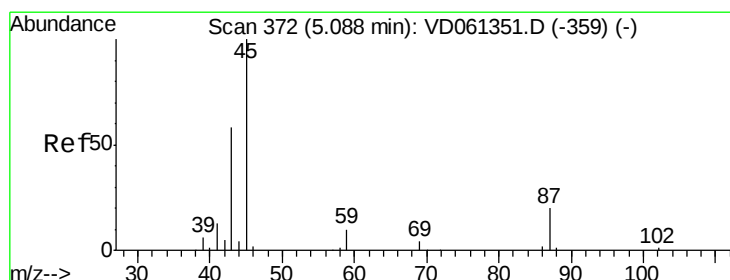
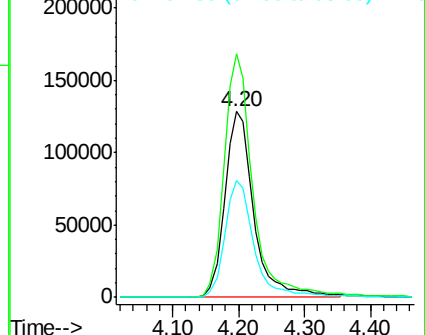
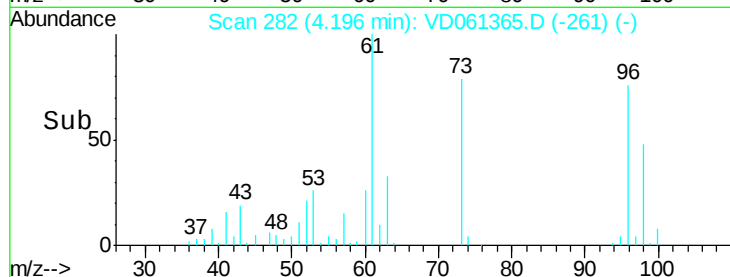
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 46.965 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Tgt Ion: 45 Resp: 1038973

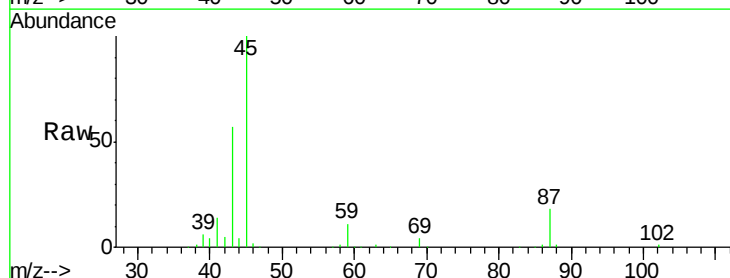
Ion Ratio Lower Upper

45 100

43 57.0 47.4 71.2

87 18.4 16.3 24.5

59 10.6 8.4 12.6

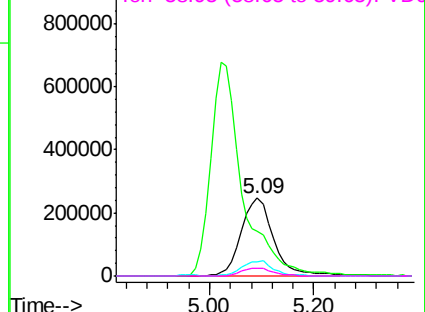
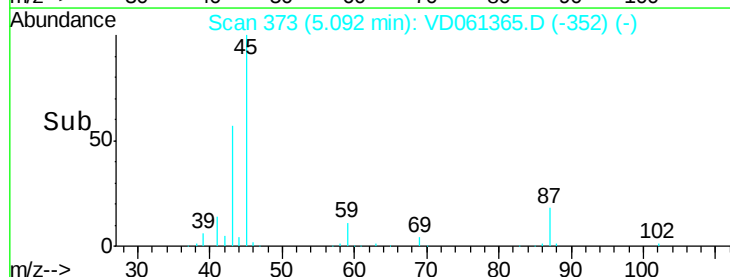


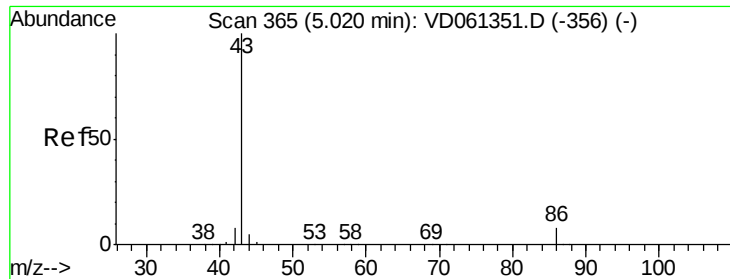
Abundance Ion 45.05 (44.75 to 45.75): VDC

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





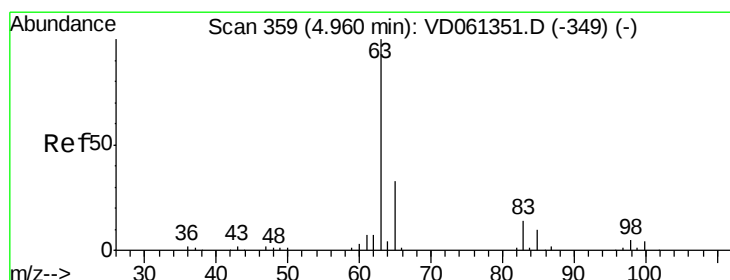
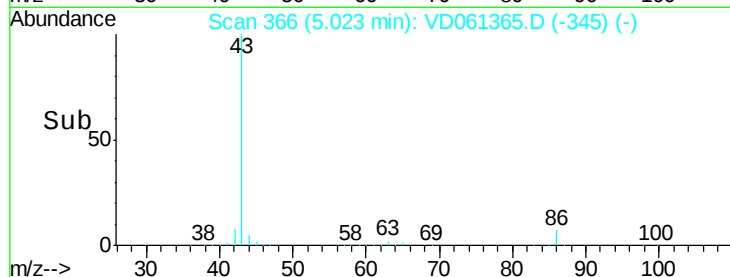
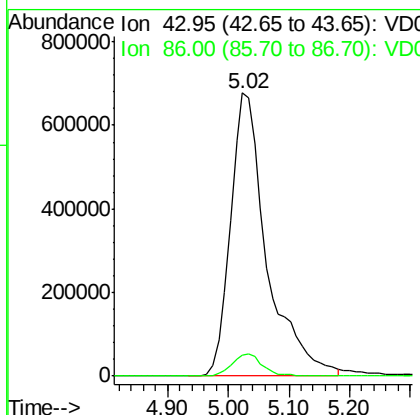
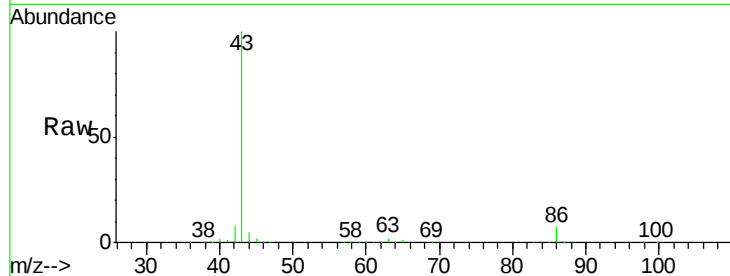
#23
 Vinyl Acetate
 Concen: 234.988 ug/l
 RT: 5.02 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 2823779
 Ion Ratio Lower Upper
 43 100
 86 7.4 6.7 10.1

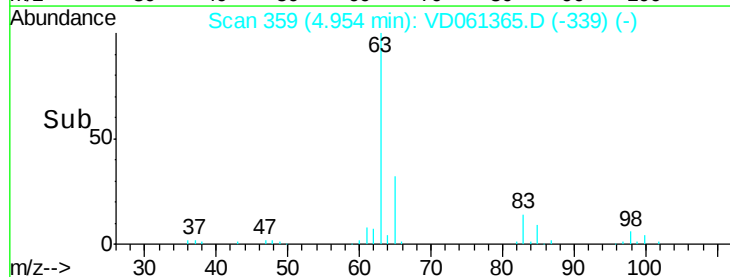
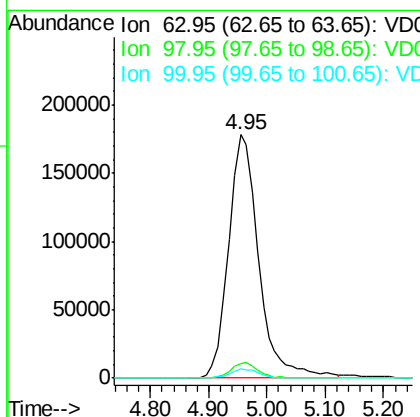
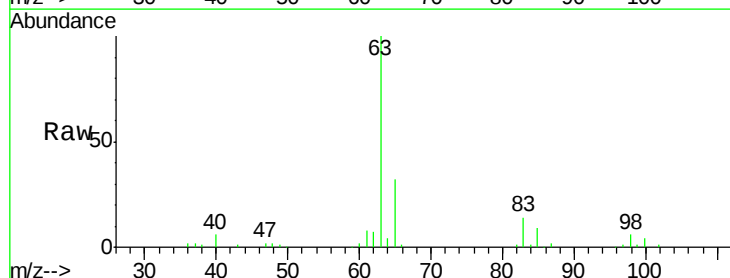
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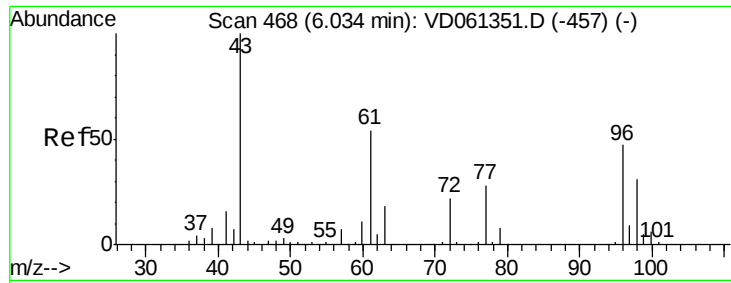
MMDadoda
 3/29/2019 2:00:47 PM



#24
 1,1-Dichloroethane
 Concen: 49.529 ug/l
 RT: 4.95 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 63 Resp: 643933
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.6 8.0
 100 3.9 1.8 5.3





#25

2-Butanone

Concen: 222.503 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 429184

Ion Ratio Lower Upper

43 100

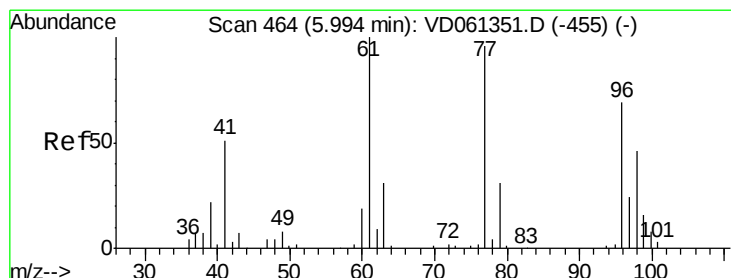
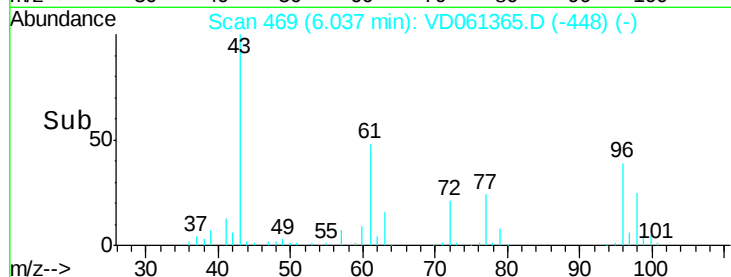
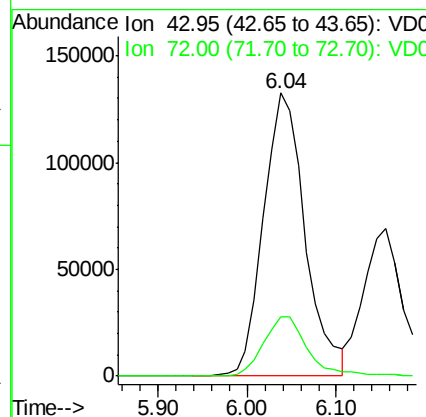
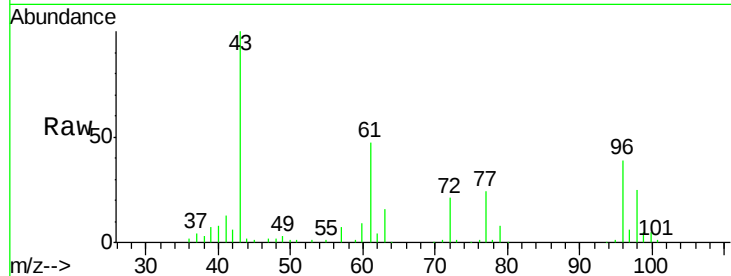
72 21.1 17.2 25.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.966 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD061365.D

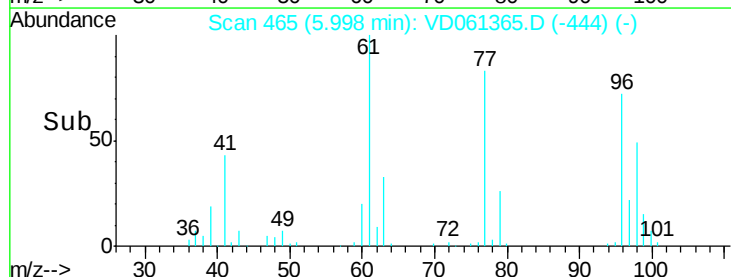
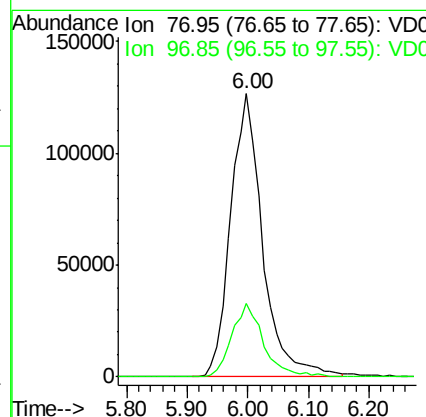
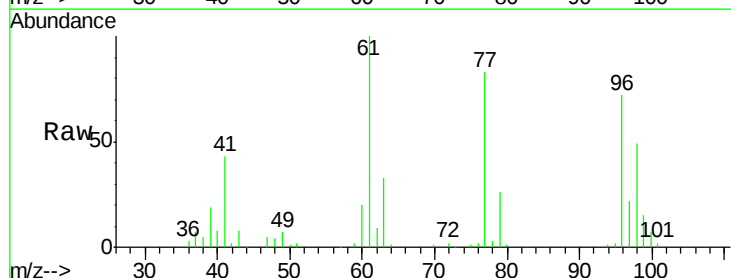
Acq: 27 Mar 2019 21:10

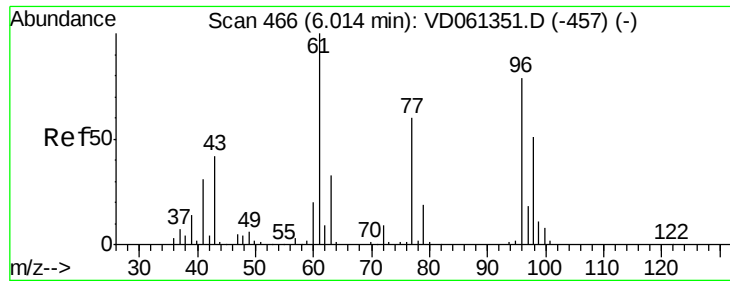
Tgt Ion: 77 Resp: 464729

Ion Ratio Lower Upper

77 100

97 26.1 12.7 38.0





#27

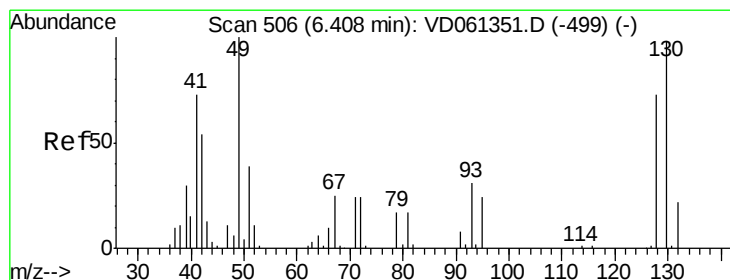
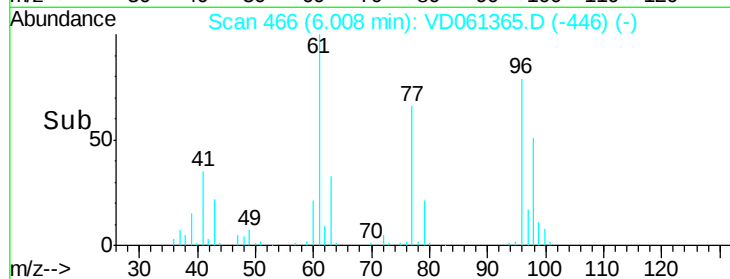
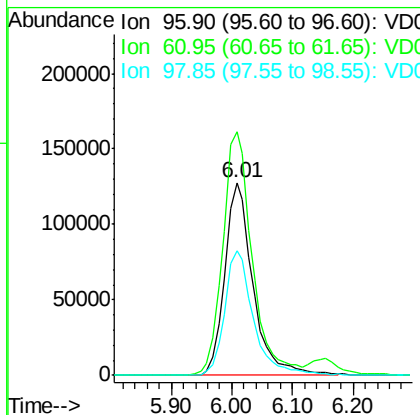
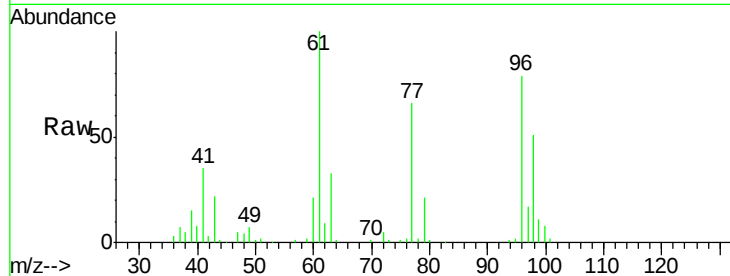
cis-1,2-Dichloroethene
Concen: 46.599 ug/l
RT: 6.01 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	413143		
61	126.2	0.0	251.6	
98	64.3	0.0	129.2	

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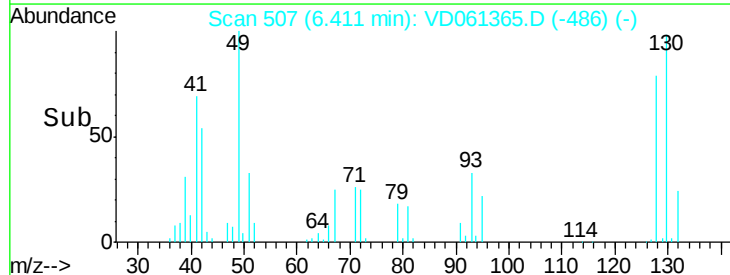
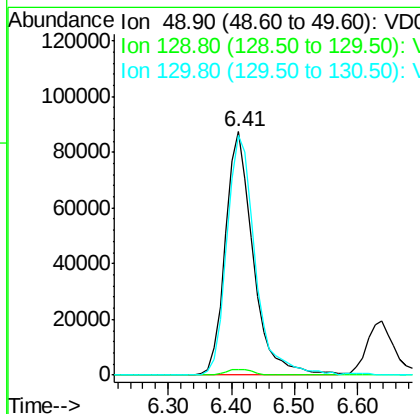
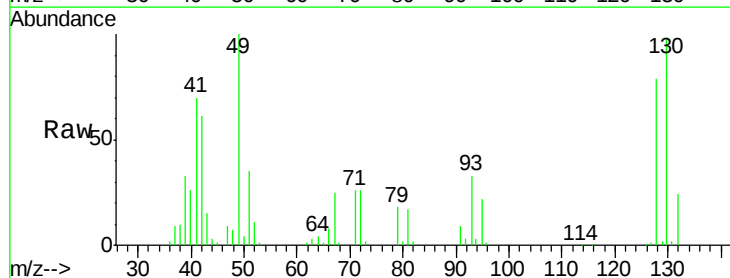
MMDadoda
3/29/2019 2:00:47 PM



#28

Bromochloromethane
Concen: 50.718 ug/l
RT: 6.41 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	266170		
129	2.4	0.0	0.0#	
130	98.3	78.4	117.6	





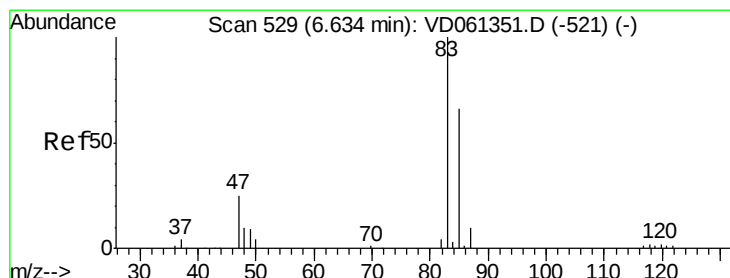
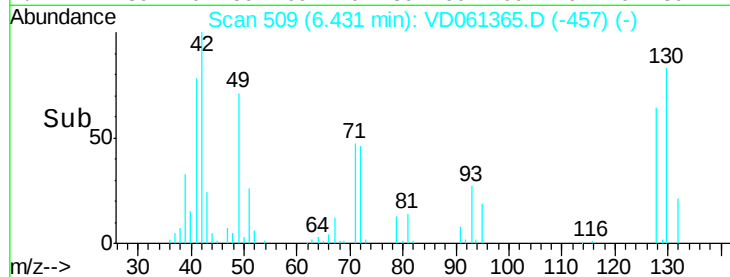
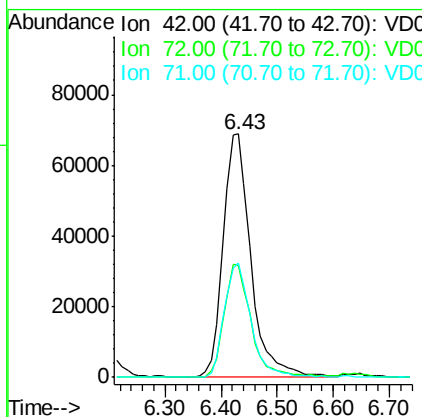
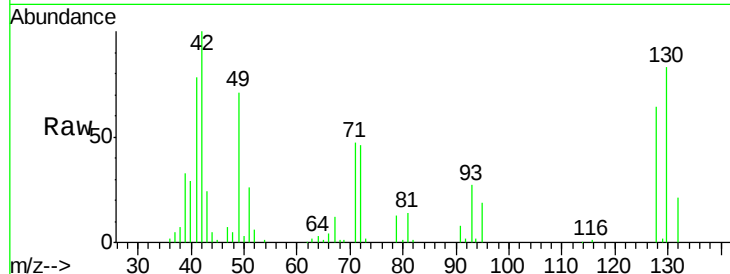
#29
Tetrahydrofuran
Concen: 254.284 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 237736
Ion Ratio Lower Upper
42 100
72 44.8 37.4 56.0
71 45.0 36.7 55.1

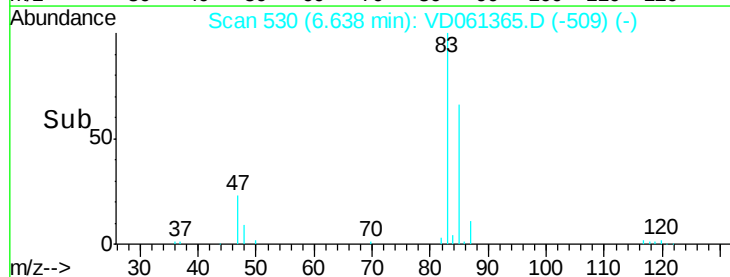
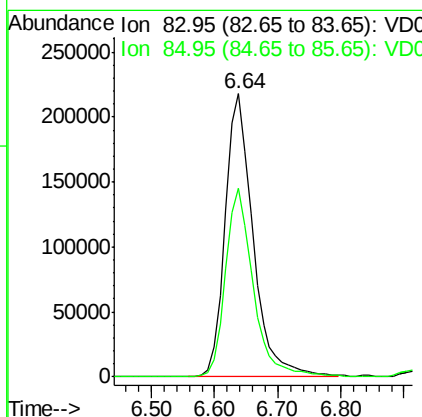
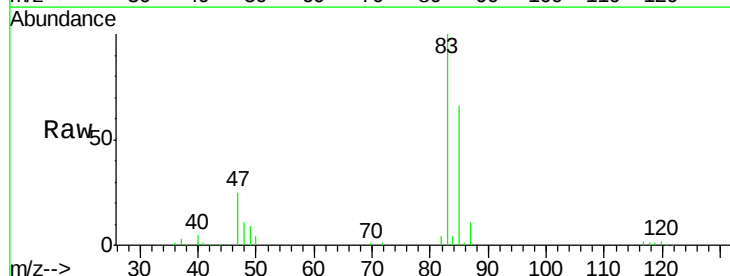
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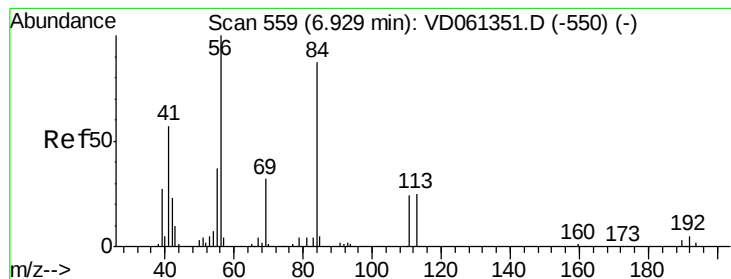
MMDadoda
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#30
Chloroform
Concen: 49.697 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 83 Resp: 667613
Ion Ratio Lower Upper
83 100
85 66.5 53.0 79.4





#31

Cyclohexane

Concen: 44.709 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 459338
Ion Ratio Lower Upper

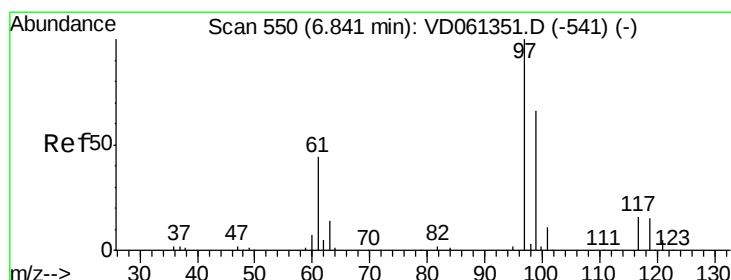
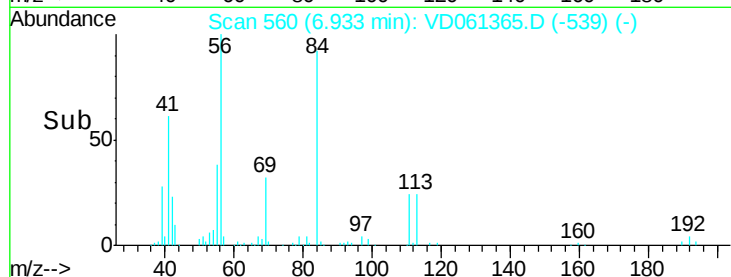
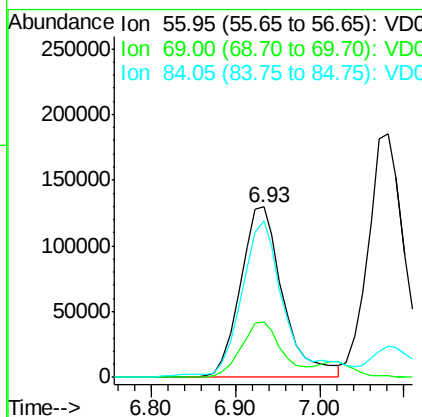
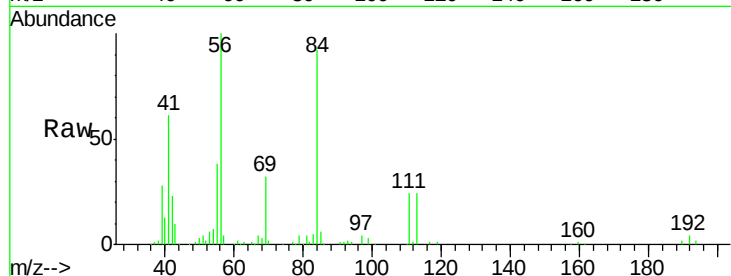
56 100

69 32.3 25.7 38.5

84 92.0 70.6 105.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.524 ug/l

RT: 6.84 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD061365.D

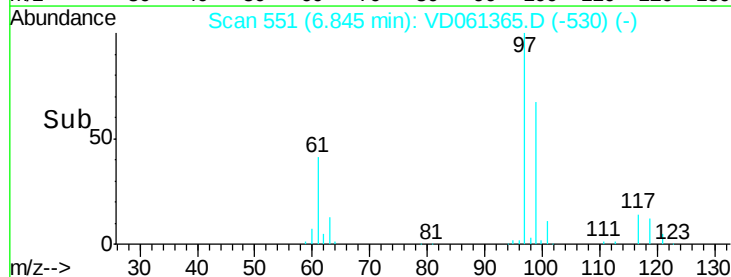
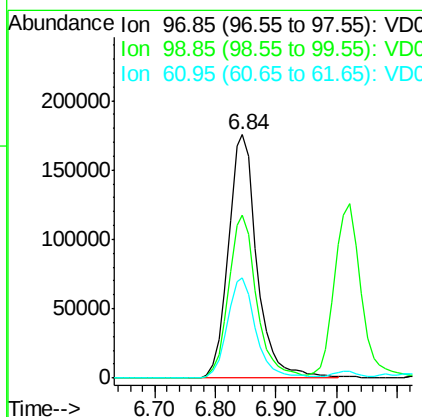
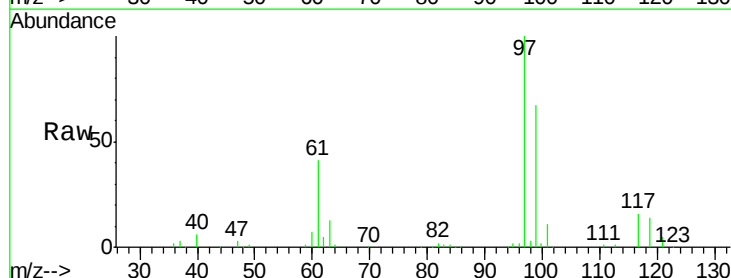
Acq: 27 Mar 2019 21:10

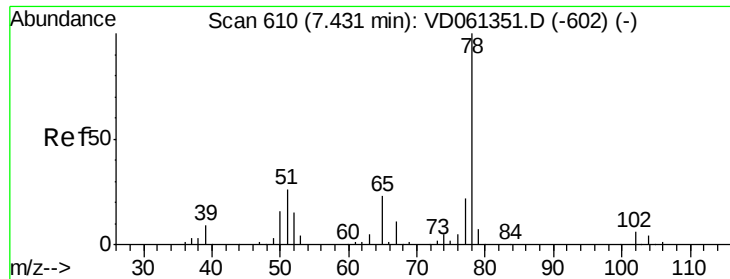
Tgt Ion: 97 Resp: 575074
Ion Ratio Lower Upper

97 100

99 66.9 53.1 79.7

61 41.3 35.5 53.3





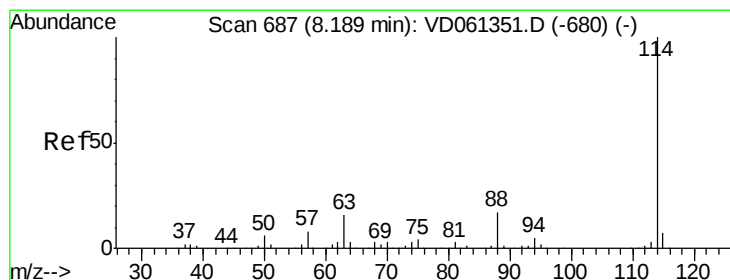
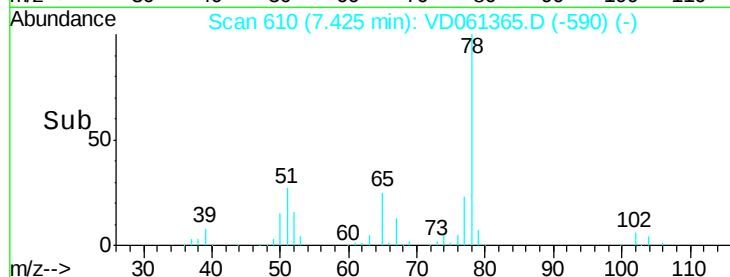
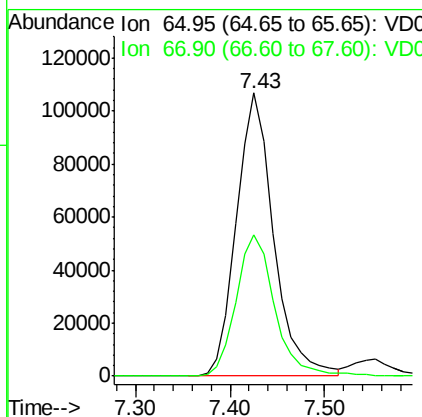
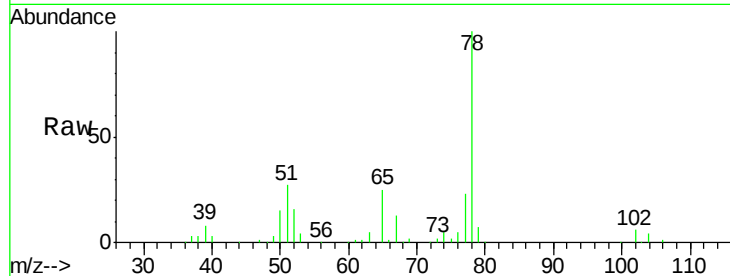
#33
 1,2-Dichloroethane-d4
 Concen: 48.524 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 291500
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 99.8

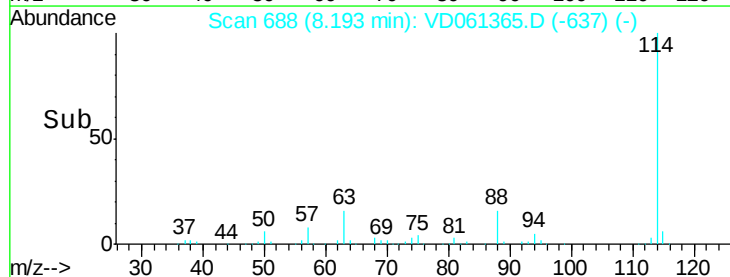
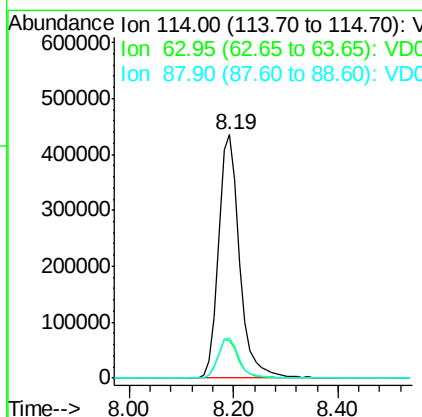
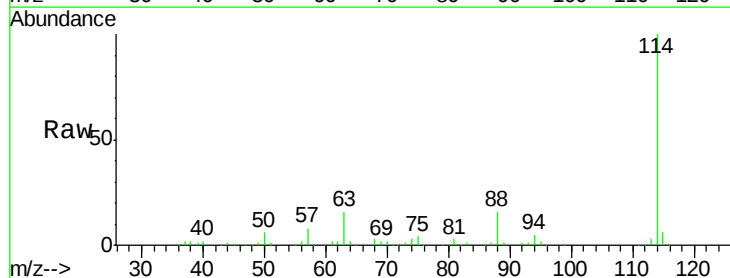
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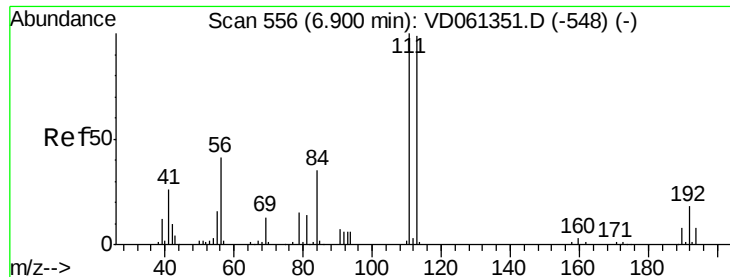
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 114 Resp: 1216822
 Ion Ratio Lower Upper
 114 100
 63 15.6 0.0 31.6
 88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.89 min Scan# 556

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

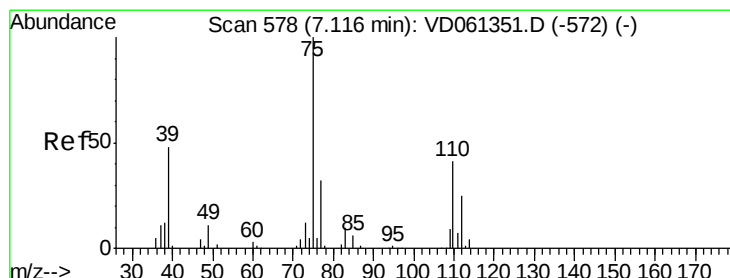
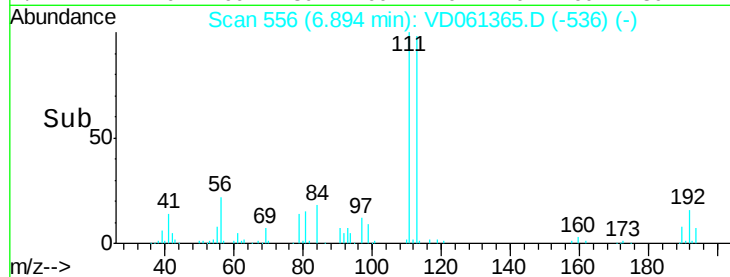
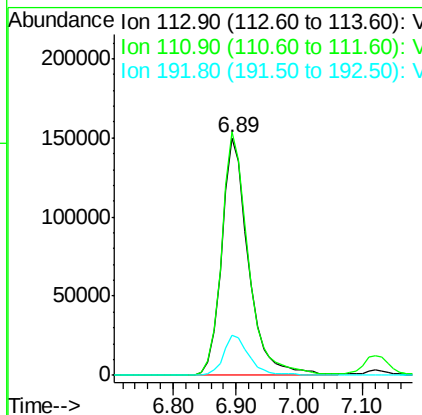
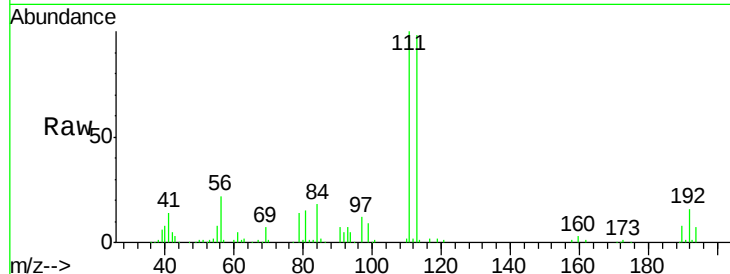
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	113	Resp:	441083
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.0	121.6
192	16.9	14.4	21.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.671 ug/l

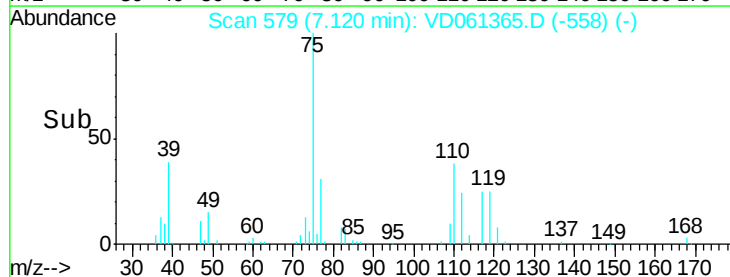
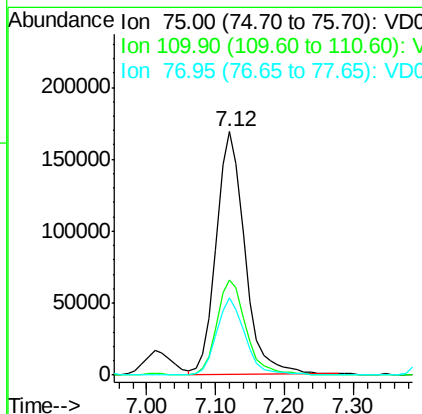
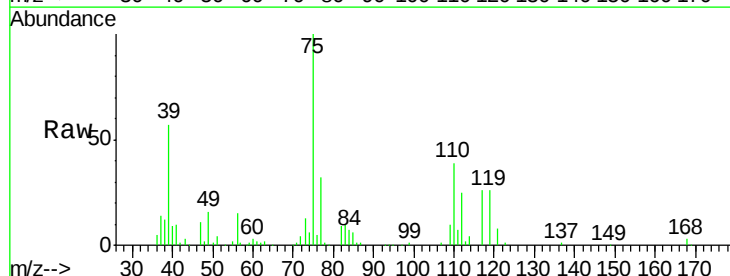
RT: 7.12 min Scan# 579

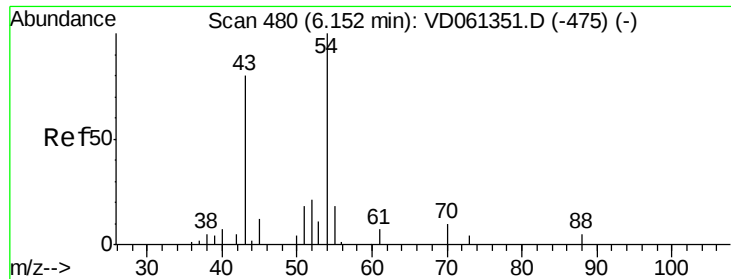
Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Tgt Ion:	75	Resp:	485025
Ion Ratio	Lower	Upper	
75	100		
110	39.2	20.4	61.3
77	32.0	24.9	37.3





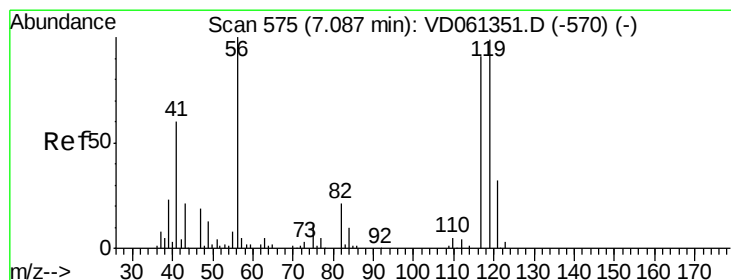
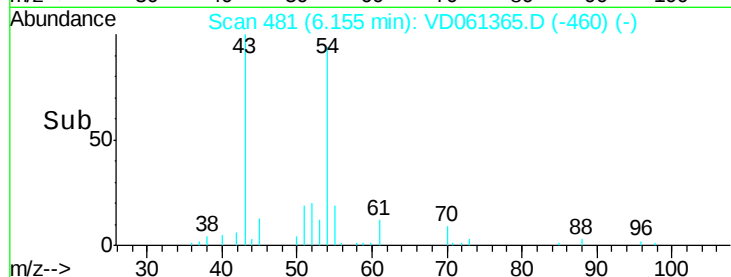
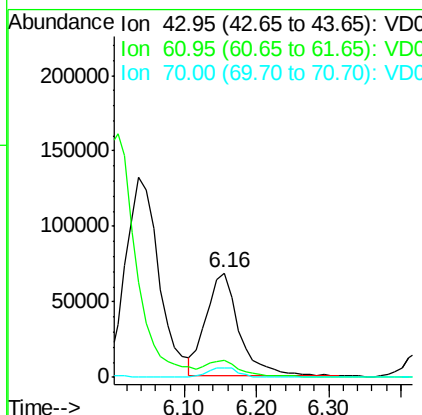
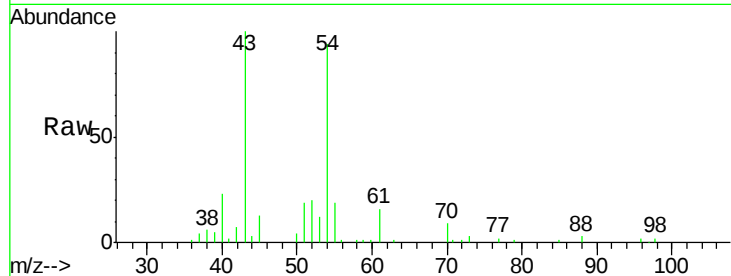
#37
Ethyl Acetate
Concen: 47.655 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.4	13.8	20.8
70	9.3	7.8	11.8

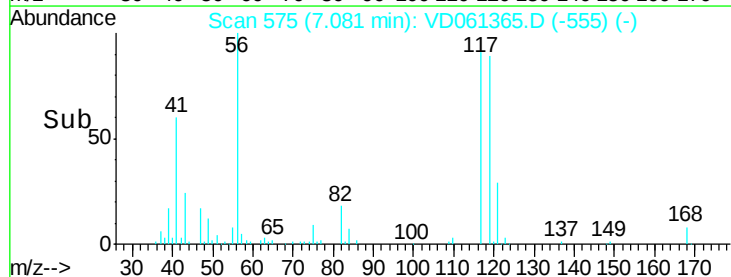
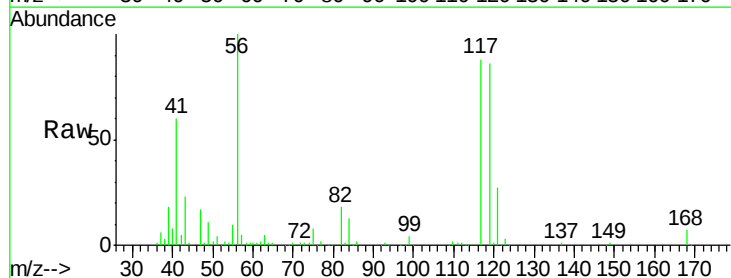
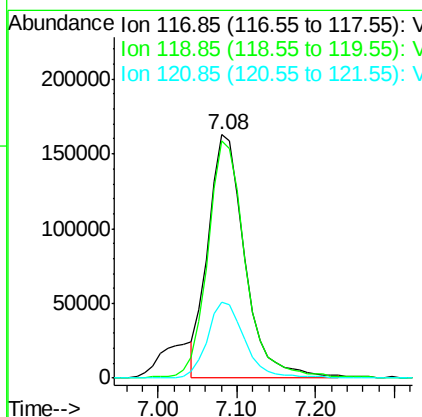
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 43.826 ug/l m
RT: 7.08 min Scan# 575
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	80.1	120.1
121	31.3	25.6	38.4





#39

Methylcyclohexane

Concen: 44.815 ug/l

RT: 8.83 min Scan# 753

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 495689

Ion Ratio Lower Upper

83 100

55 87.6 71.5 107.3

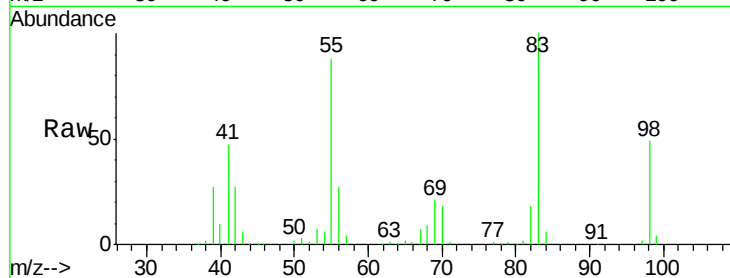
98 48.7 40.3 60.5

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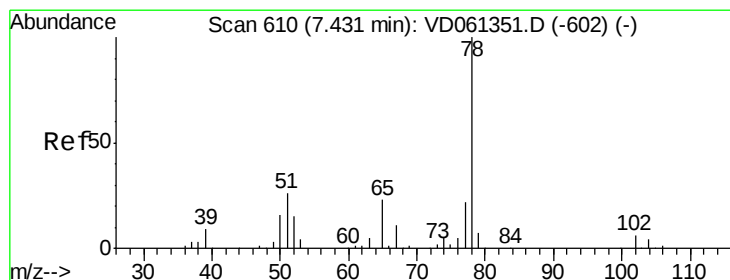
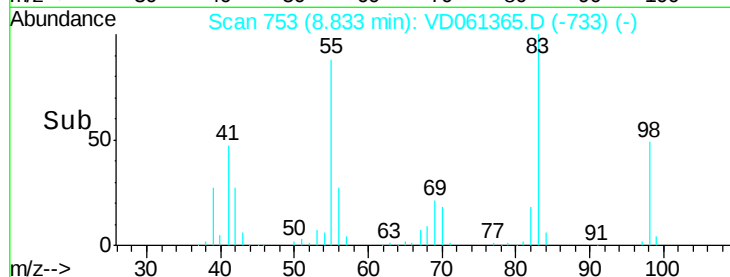
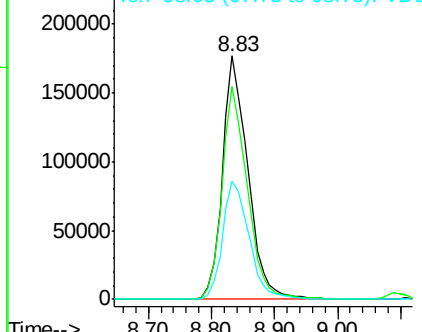
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Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 46.322 ug/l

RT: 7.43 min Scan# 610

Delta R.T. -0.01 min

Lab File: VD061365.D

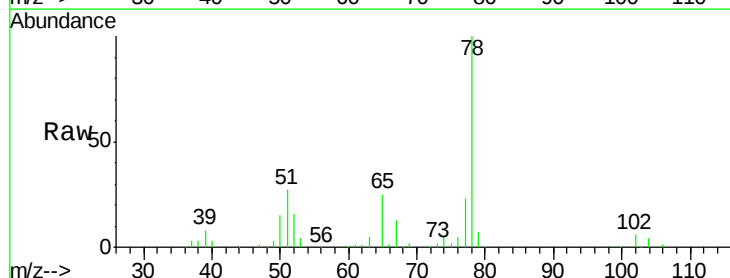
Acq: 27 Mar 2019 21:10

Tgt Ion: 78 Resp: 1234650

Ion Ratio Lower Upper

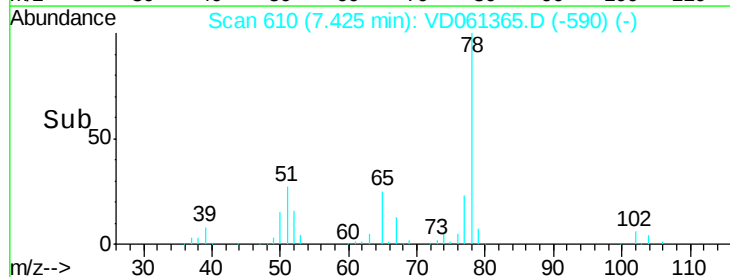
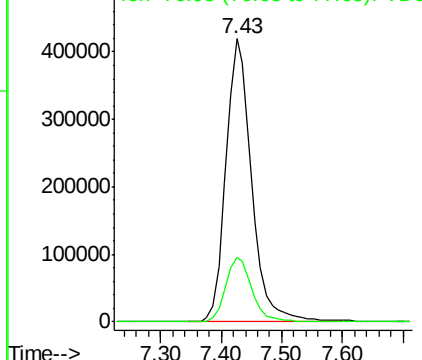
78 100

77 22.8 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 48.064 ug/l

RT: 6.42 min Scan# 508

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 255252
Ion Ratio Lower Upper

41 100

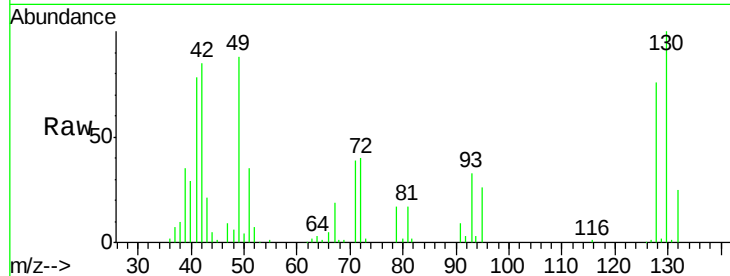
39 44.5 35.0 52.6

67 24.0 21.0 31.6

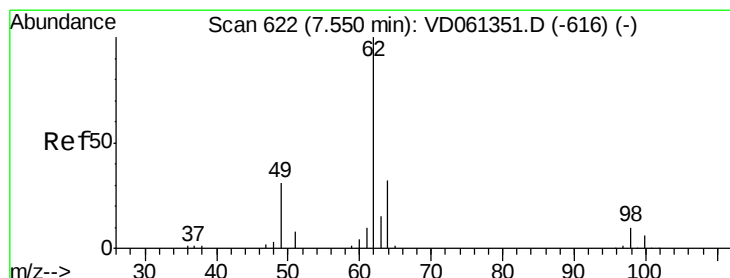
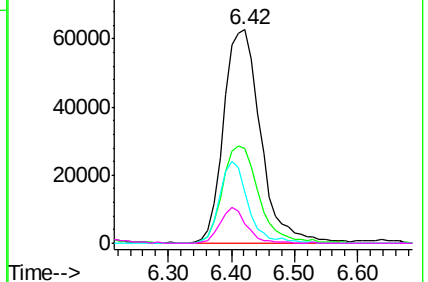
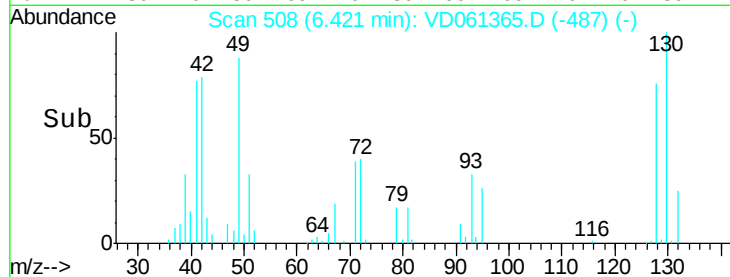
52 9.0 7.7 11.5

Manual Integrations
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Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.703 ug/l

RT: 7.55 min Scan# 623

Delta R.T. 0.00 min

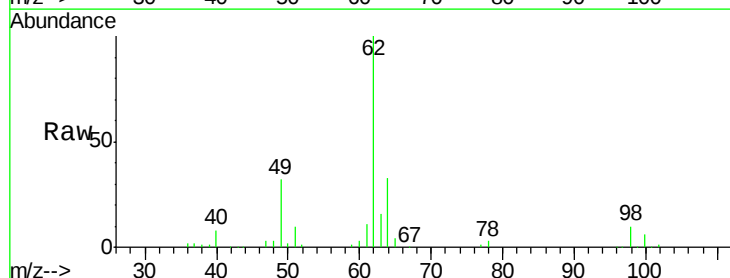
Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

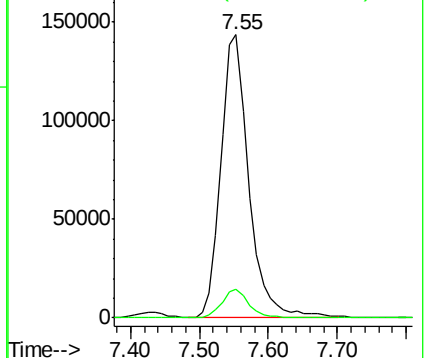
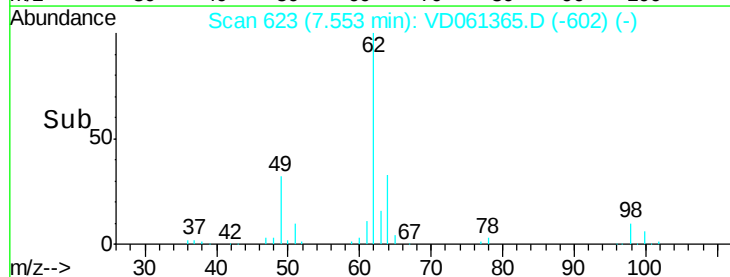
Tgt Ion: 62 Resp: 404243
Ion Ratio Lower Upper

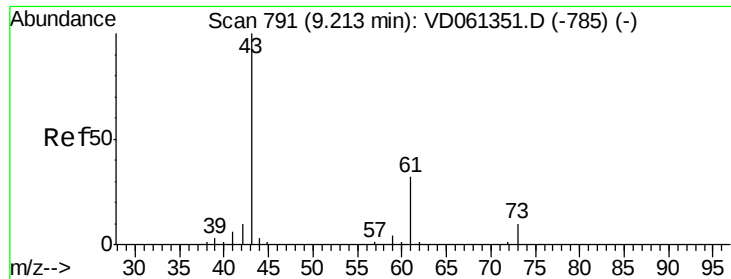
62 100

98 10.1 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 44.771 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

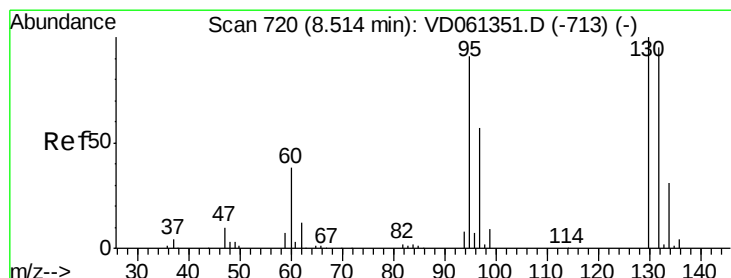
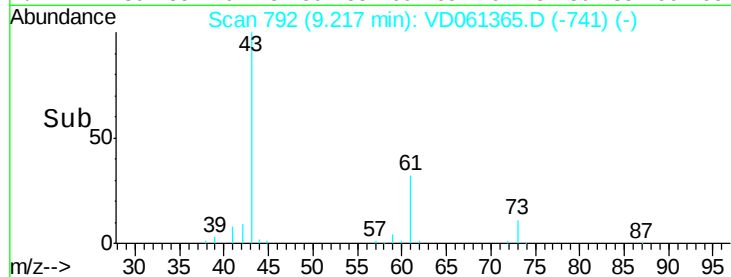
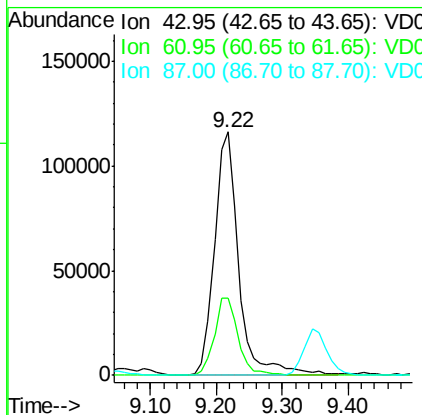
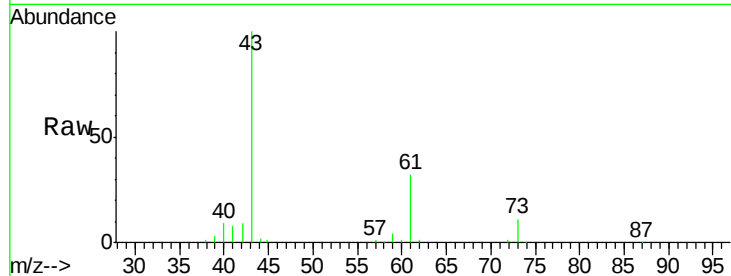
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	295865
Ion Ratio	Lower	Upper	
43	100		
61	31.8	25.8	38.6
87	0.4	0.0	0.0#

Manual Integrations
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#44

Trichloroethene

Concen: 49.660 ug/l

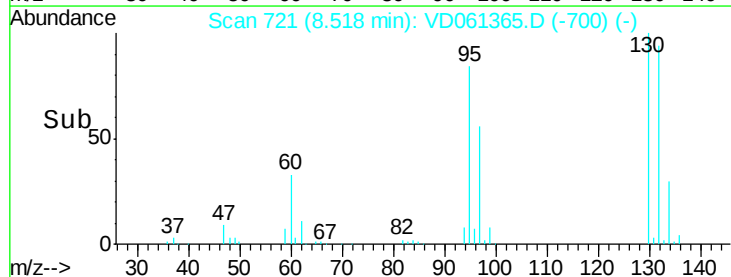
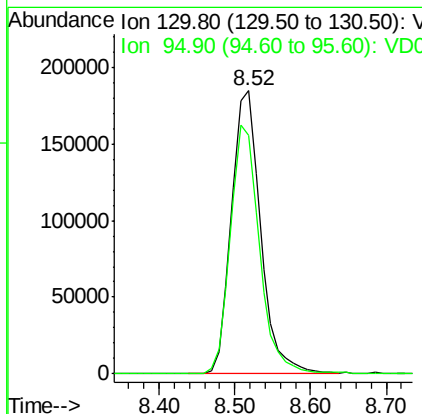
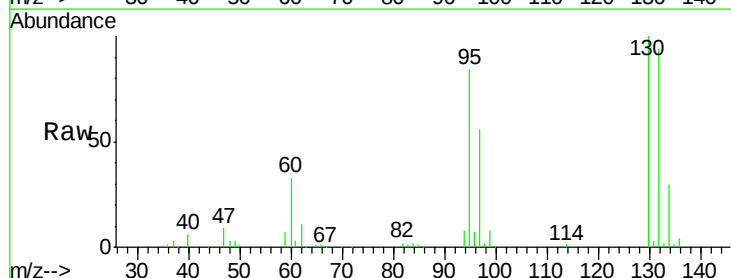
RT: 8.52 min Scan# 721

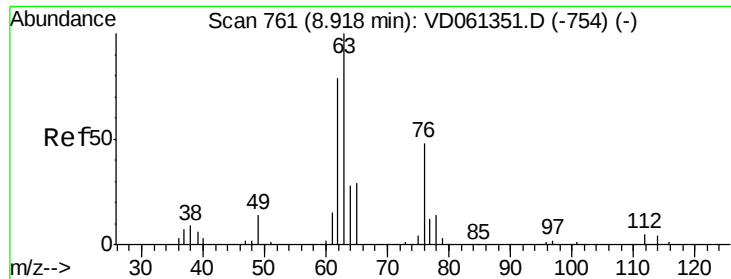
Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Tgt Ion:	130	Resp:	492583
Ion Ratio	Lower	Upper	
130	100		
95	84.4	0.0	181.4





#45

1,2-Dichloropropane

Concen: 48.620 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

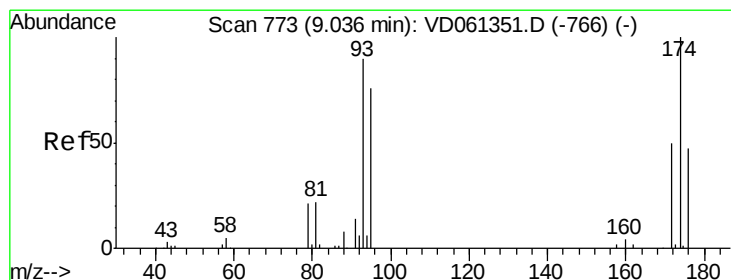
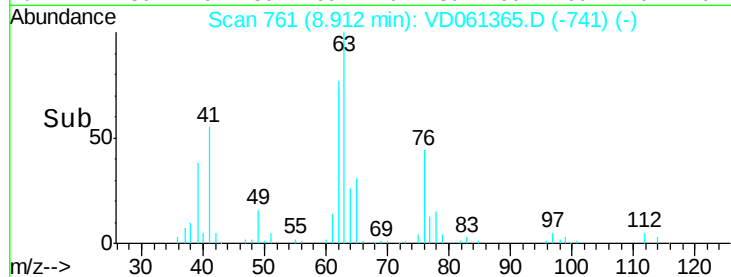
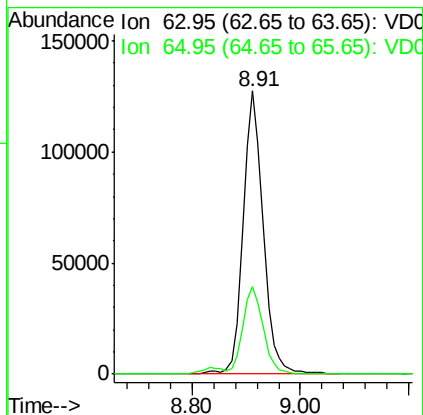
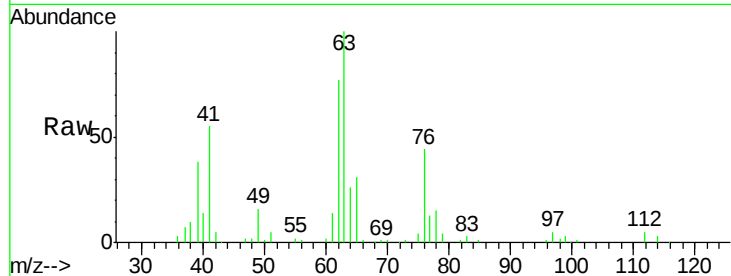
Tgt Ion: 63 Resp: 328599
Ion Ratio Lower Upper

63 100

65 30.9 25.0 37.4

Manual Integrations
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3/29/2019 2:00:47 PM



#46

Dibromomethane

Concen: 48.388 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD061365.D

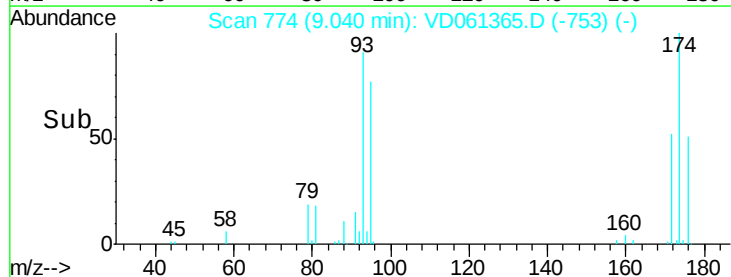
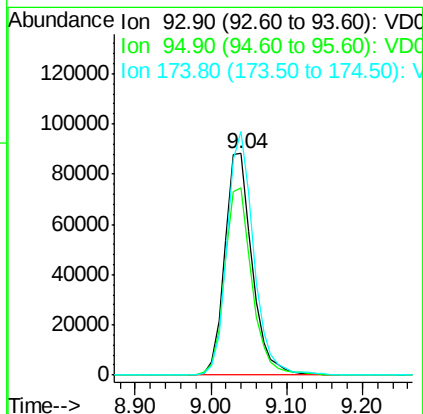
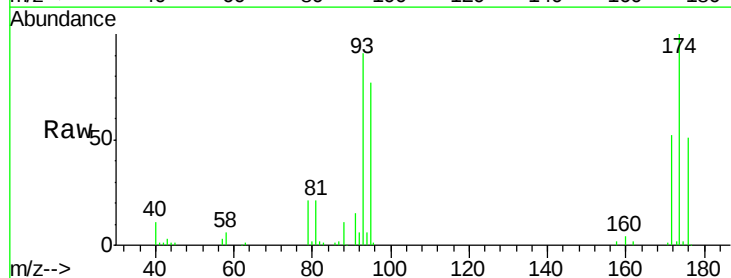
Acq: 27 Mar 2019 21:10

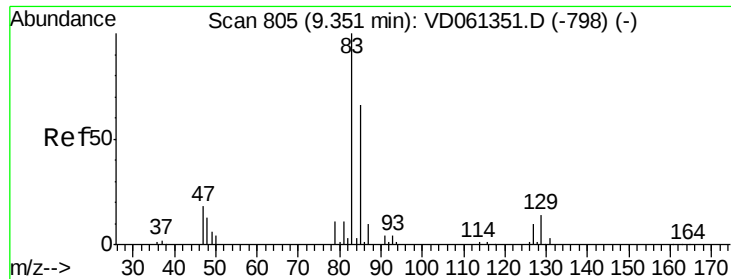
Tgt Ion: 93 Resp: 220116
Ion Ratio Lower Upper

93 100

95 84.7 67.4 101.0

174 110.0 88.9 133.3





#47

Bromodichloromethane

Concen: 49.174 ug/l

RT: 9.34 min Scan# 805

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

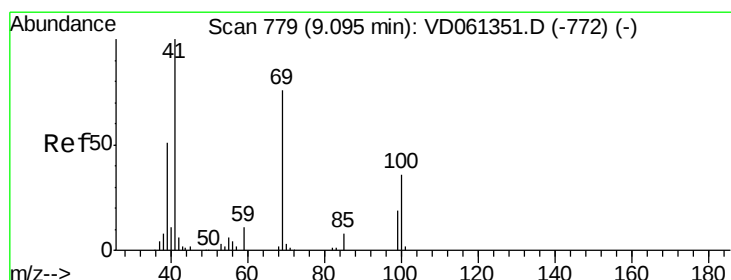
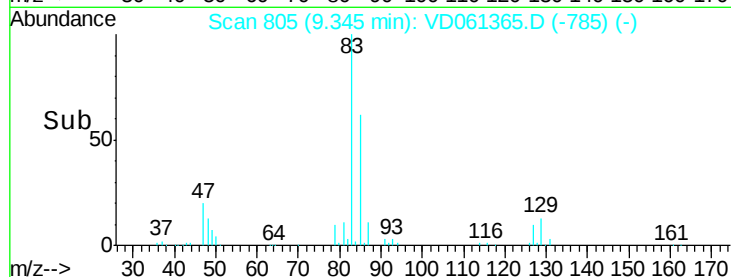
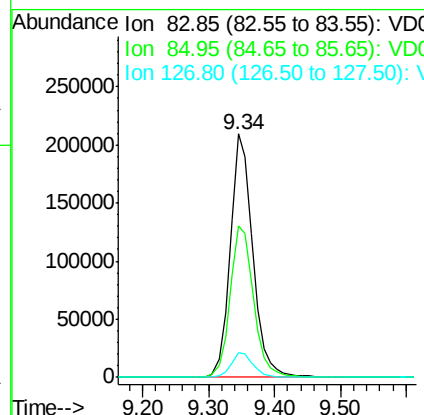
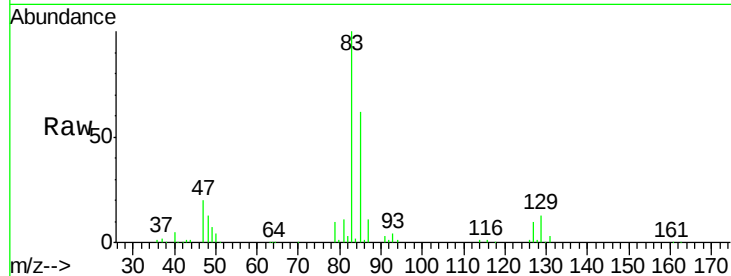
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	502065
Ion	Ratio	Lower	Upper
83	100		
85	62.0	53.0	79.4
127	10.2	8.4	12.6

Manual Integrations
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3/29/2019 2:00:47 PM



#48

Methyl methacrylate

Concen: 44.705 ug/l

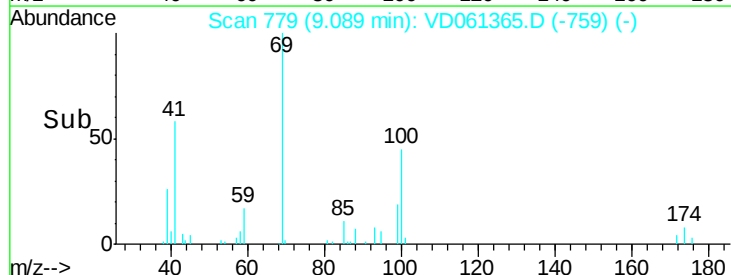
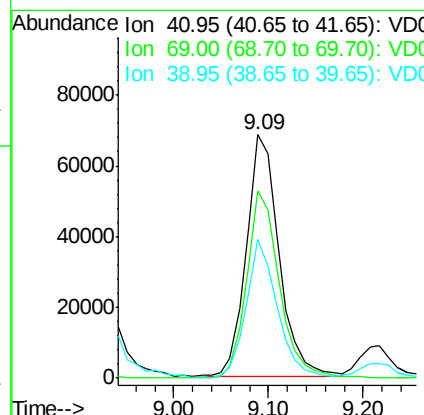
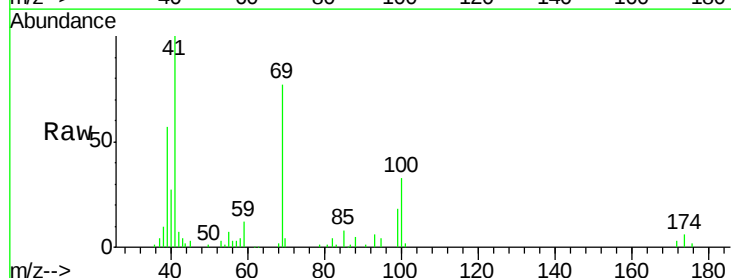
RT: 9.09 min Scan# 779

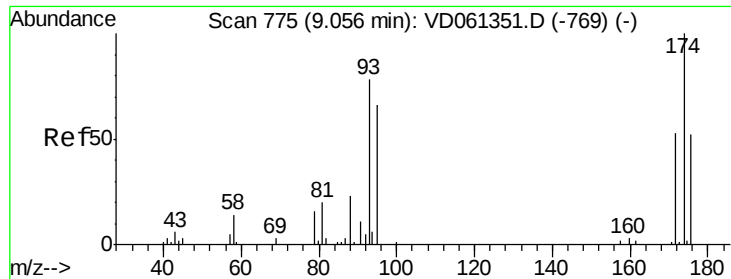
Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Tgt Ion:	41	Resp:	163046
Ion	Ratio	Lower	Upper
41	100		
69	76.7	60.2	90.4
39	56.9	41.4	62.2





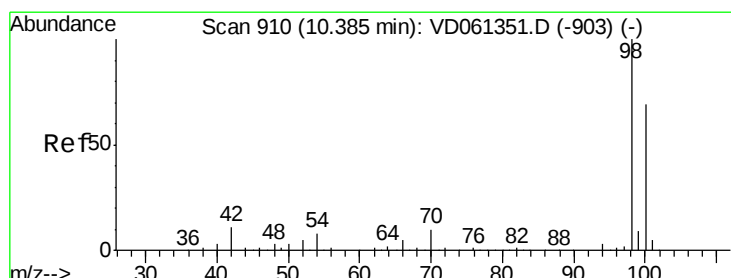
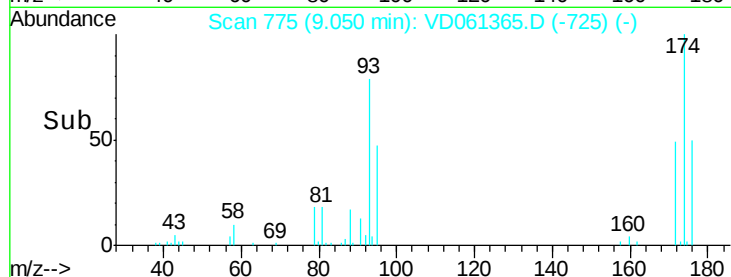
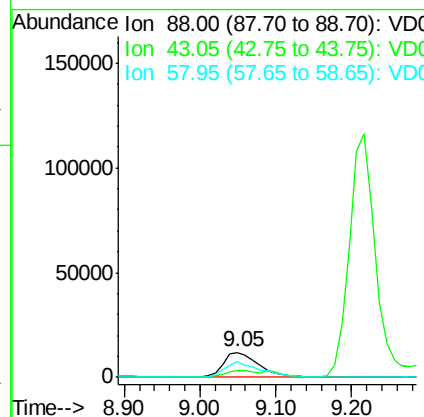
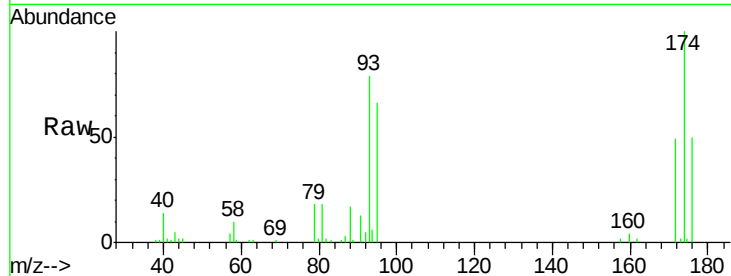
#49
1,4-Dioxane
Concen: 970.278 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	27.4	23.3	34.9
58	60.0	50.8	76.2

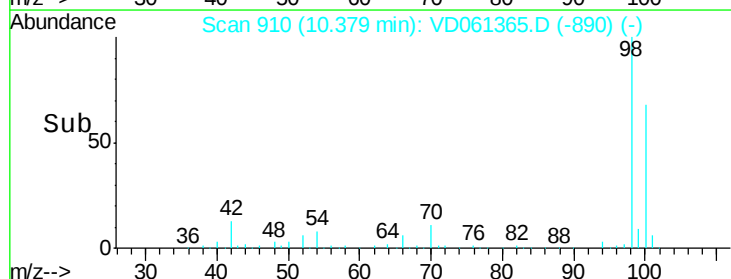
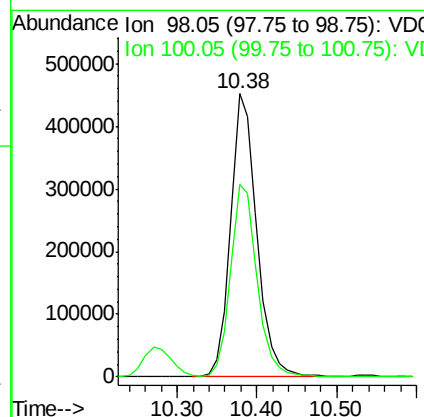
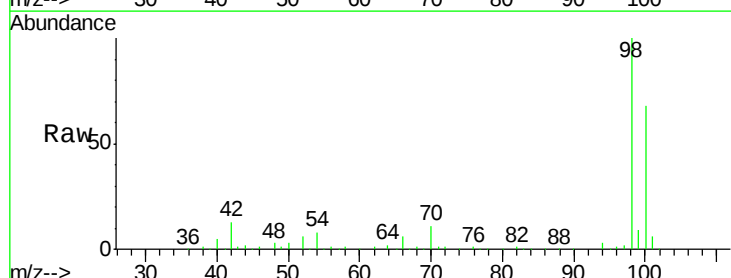
Manual Integrations
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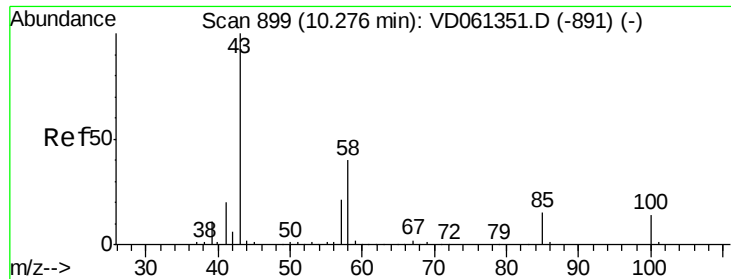
MMDadoda
3/29/2019 2:00:47 PM



#50
Toluene-d8
Concen: 970.278 ug/l
RT: 10.38 min Scan# 910
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.2	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 233.124 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 937286

Ion Ratio Lower Upper

43 100

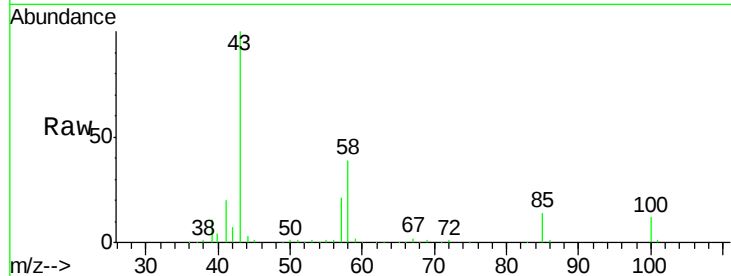
58 38.6 31.8 47.8

Manual Integrations

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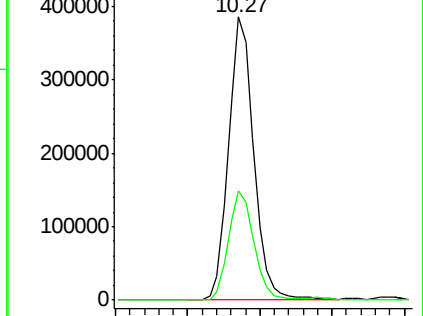
MMDadoda

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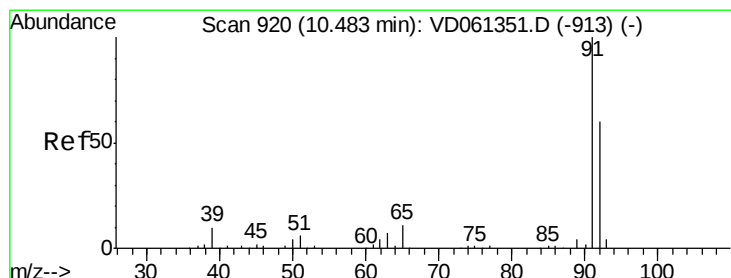
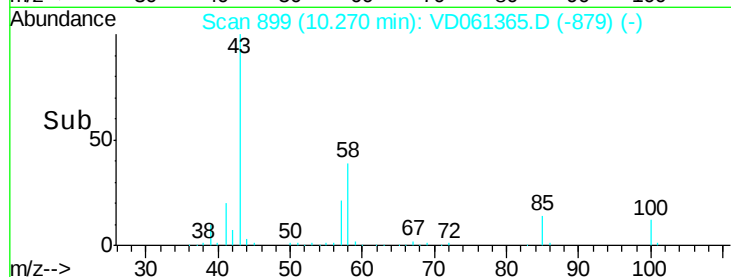


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time--> 10.10 10.20 10.30 10.40



#52

Toluene

Concen: 47.955 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD061365.D

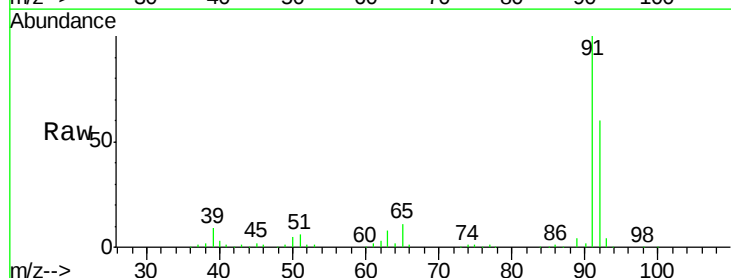
Acq: 27 Mar 2019 21:10

Tgt Ion: 92 Resp: 779781

Ion Ratio Lower Upper

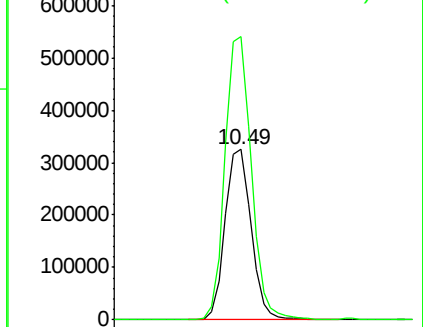
92 100

91 166.3 133.3 199.9

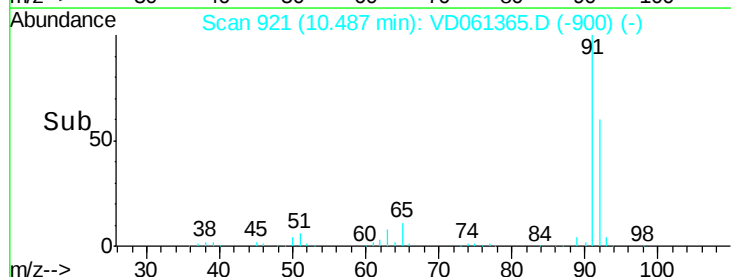


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time--> 10.40 10.50 10.60





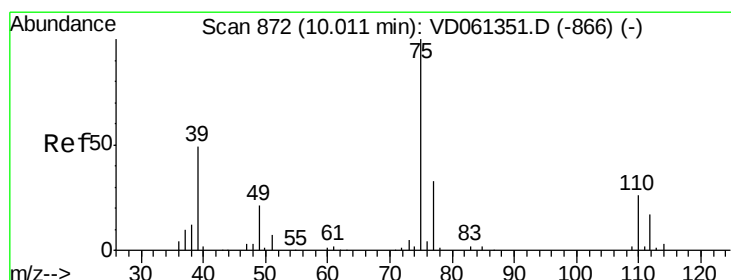
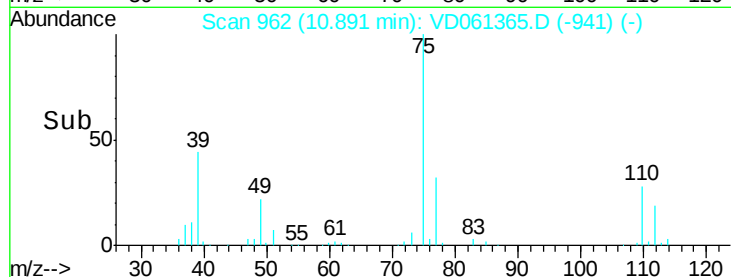
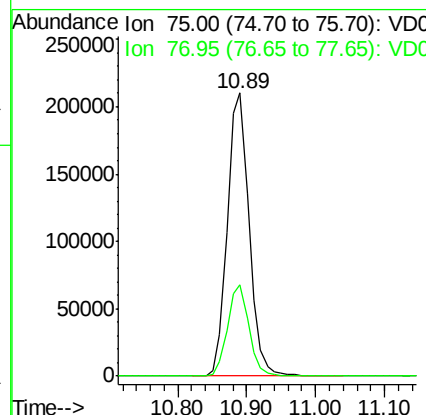
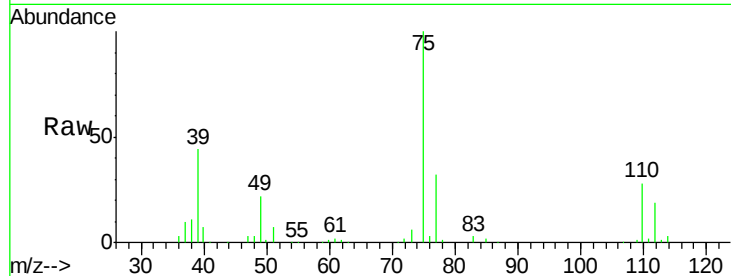
#53
 t-1,3-Dichloropropene
 Concen: 49.466 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 458861
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.2

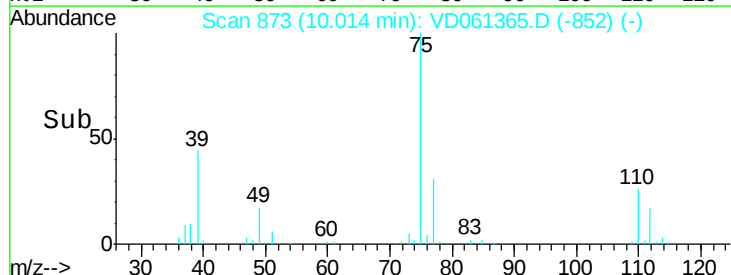
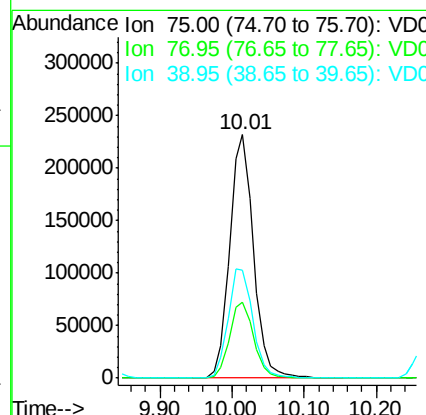
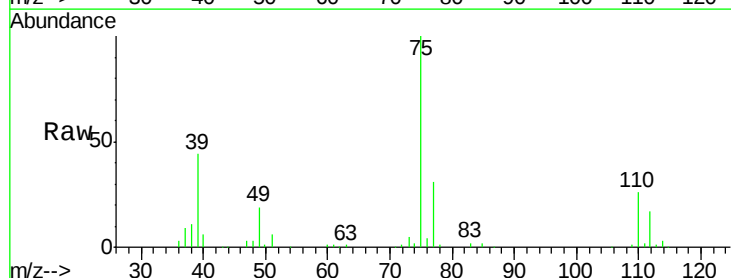
Manual Integrations
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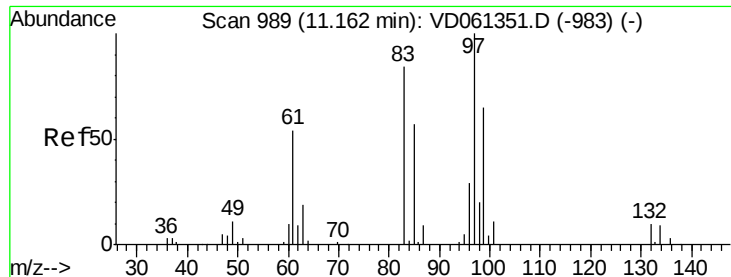
MMDadoda
 3/29/2019 2:00:47 PM



#54
 cis-1,3-Dichloropropene
 Concen: 47.079 ug/l
 RT: 10.01 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 75 Resp: 531781
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.2 39.4
 39 44.3 39.4 59.0





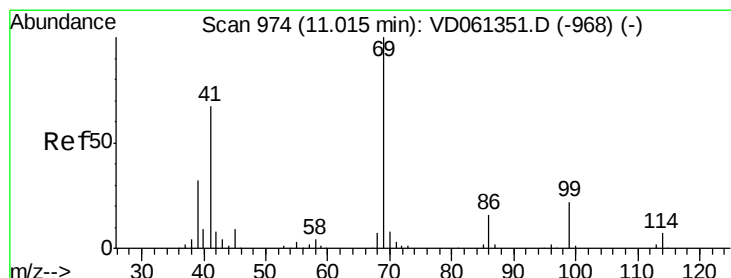
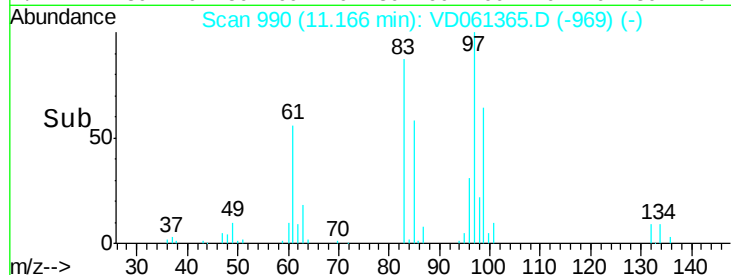
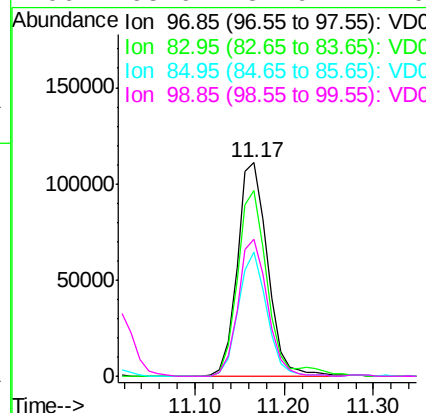
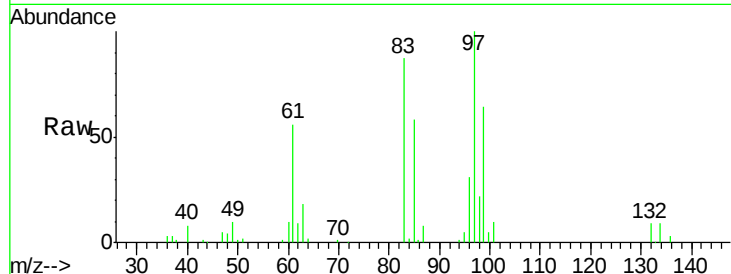
#55
 1,1,2-Trichloroethane
 Concen: 46.197 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.0	100.6
85	58.3	45.4	68.2
99	63.9	51.9	77.9

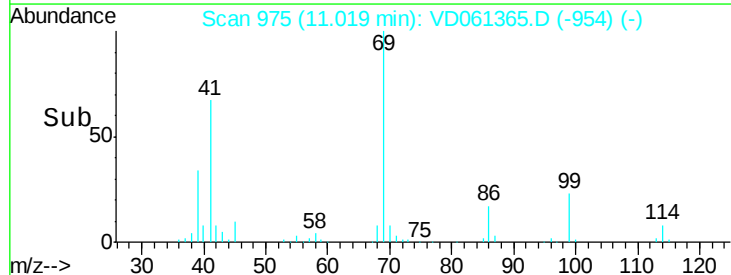
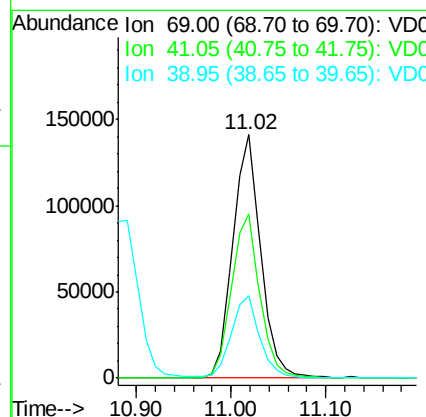
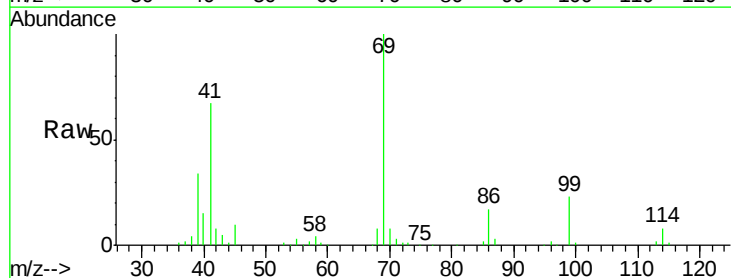
Manual Integrations
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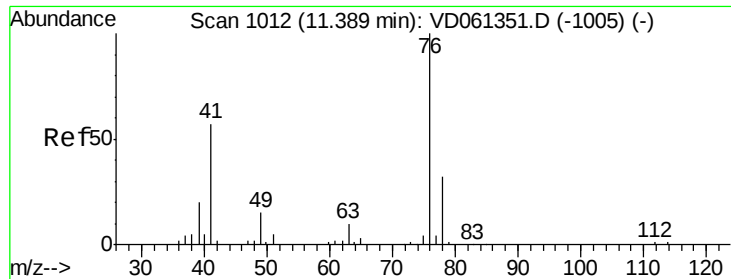
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 47.206 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.4	53.8	80.6
39	34.0	26.4	39.6





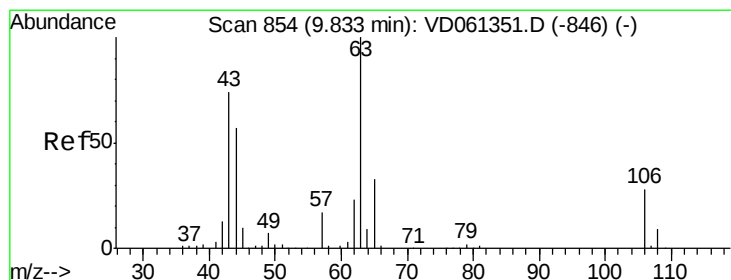
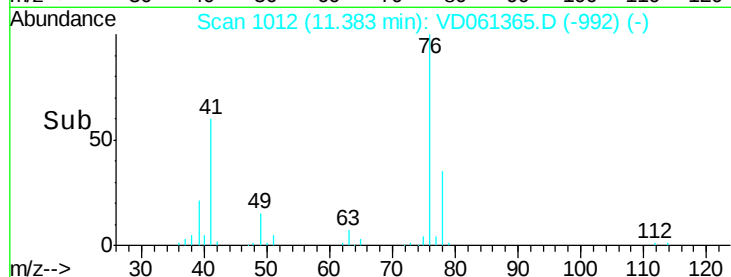
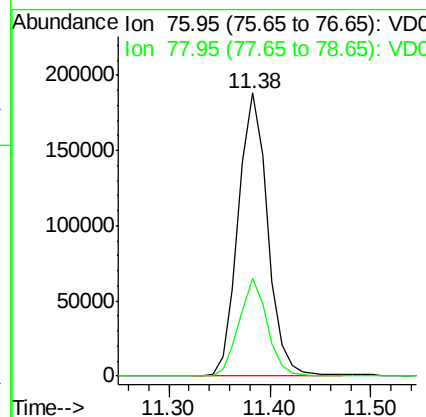
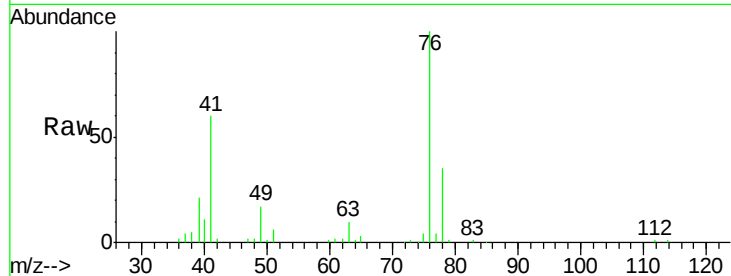
#57
 1,3-Dichloropropane
 Concen: 45.855 ug/l
 RT: 11.38 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 383278
 Ion Ratio Lower Upper
 76 100
 78 34.6 25.4 38.0

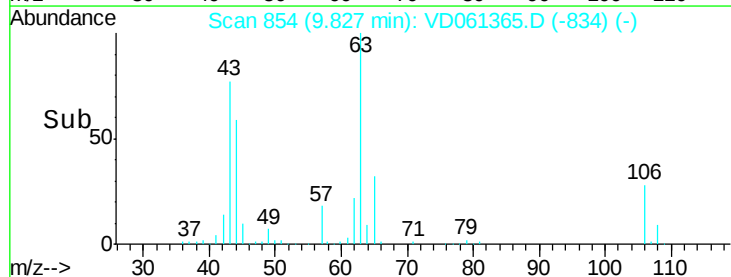
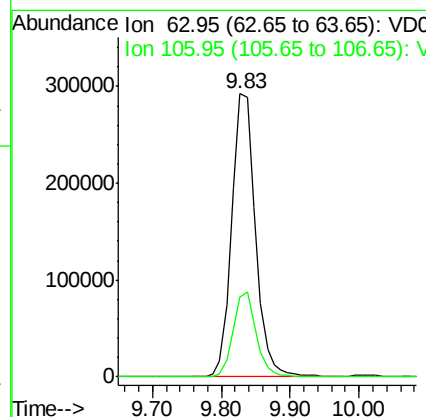
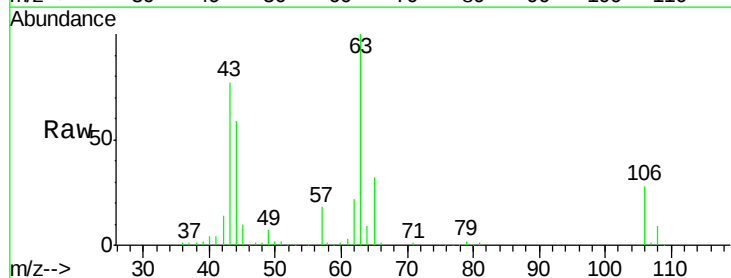
Manual Integrations
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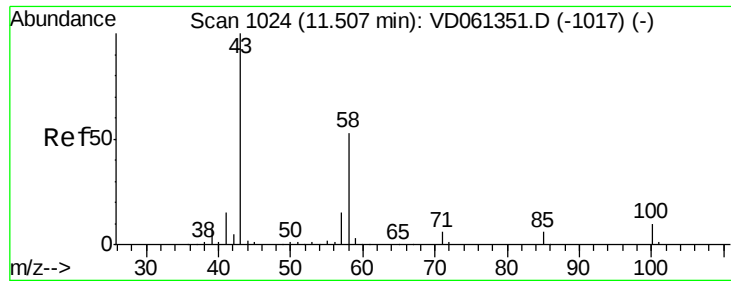
MMDadoda
 3/29/2019 2:00:47 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.491 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 63 Resp: 700604
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.4 33.6





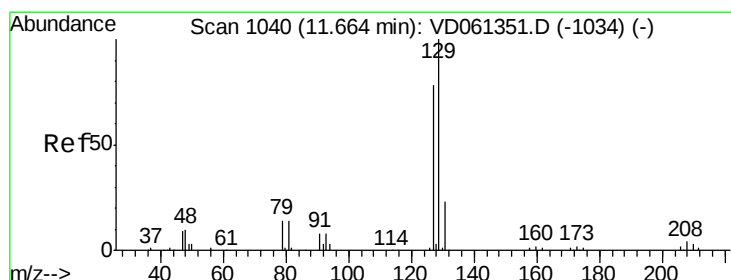
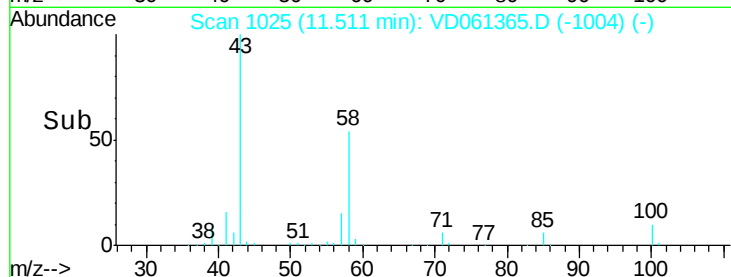
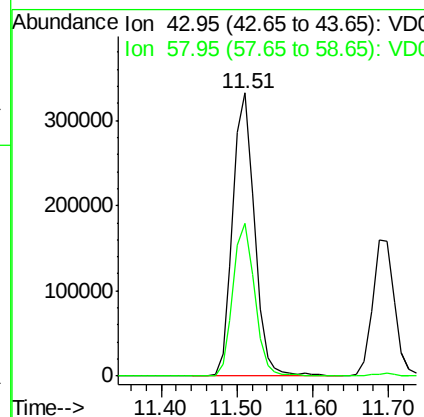
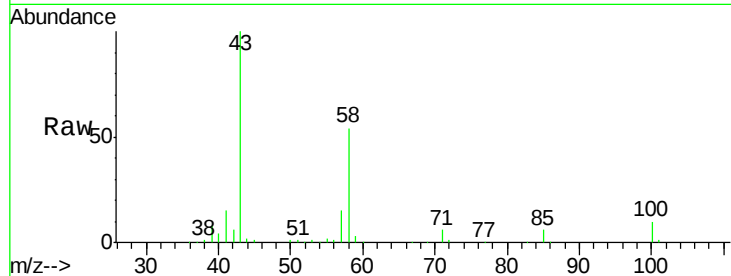
#59
2-Hexanone
Concen: 226.788 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 660635
Ion Ratio Lower Upper
43 100
58 54.0 26.3 78.9

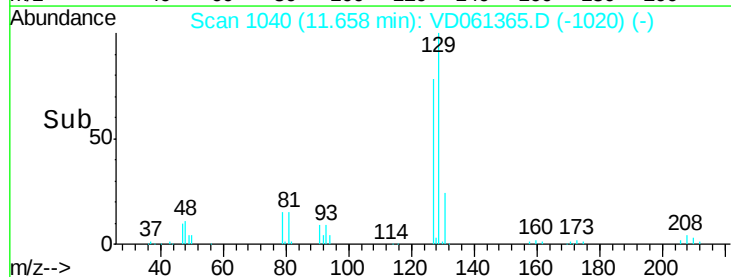
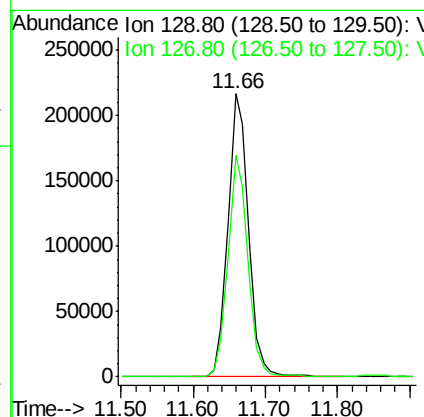
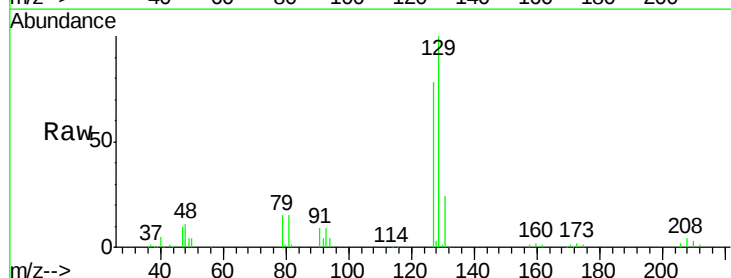
Manual Integrations
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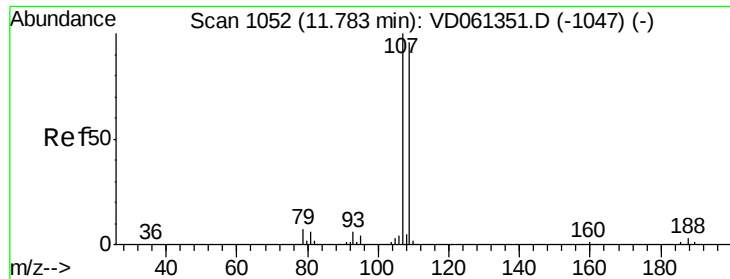
MMDadoda
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#60
Dibromochloromethane
Concen: 48.511 ug/l
RT: 11.66 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 129 Resp: 425285
Ion Ratio Lower Upper
129 100
127 78.3 39.0 116.9





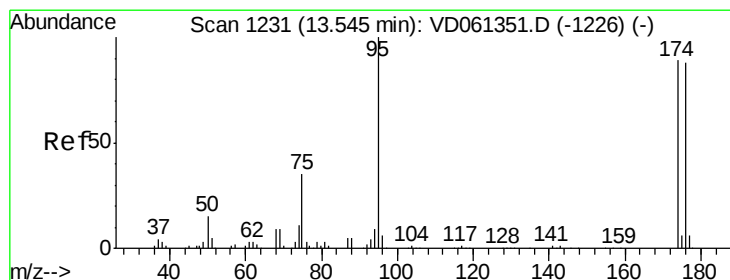
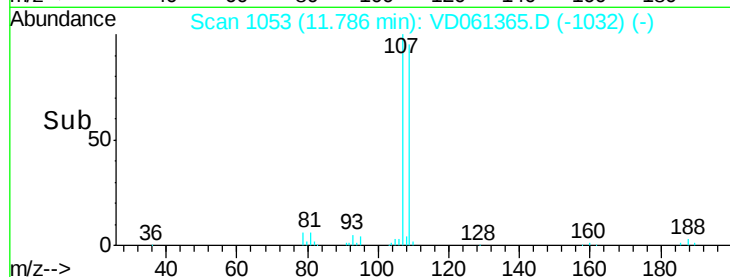
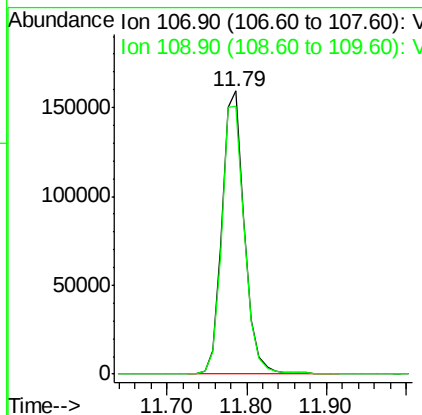
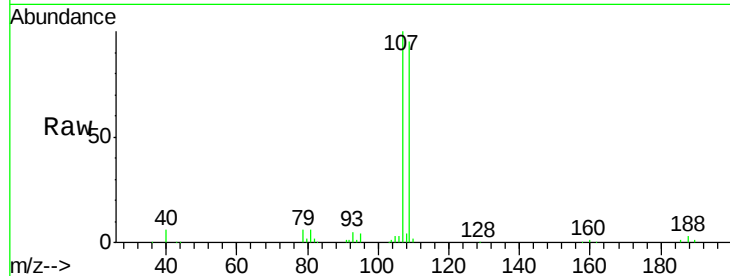
#61
 1,2-Dibromoethane
 Concen: 47.835 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 314990
 Ion Ratio Lower Upper
 107 100
 109 94.7 76.6 114.8

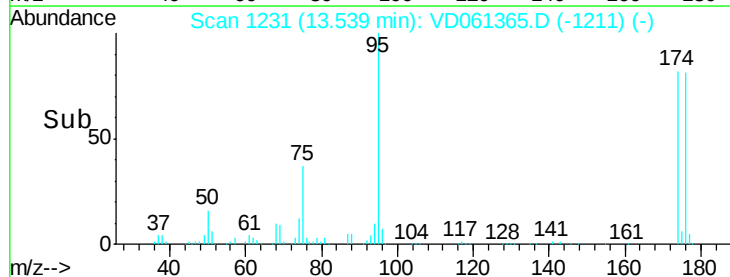
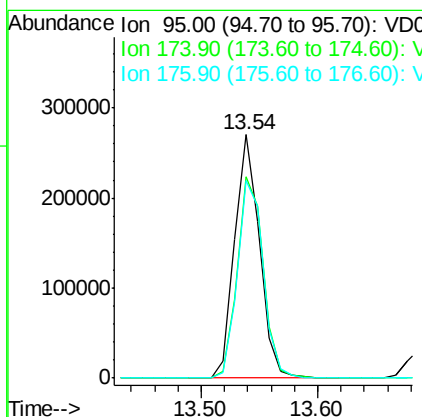
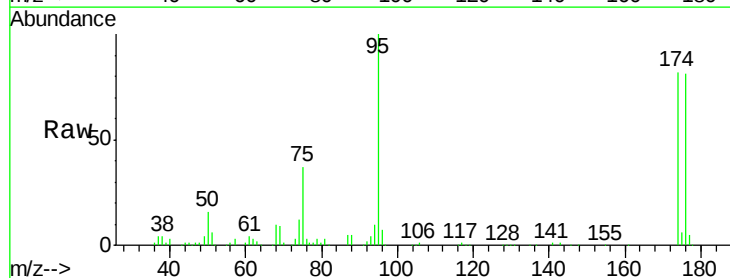
Manual Integrations
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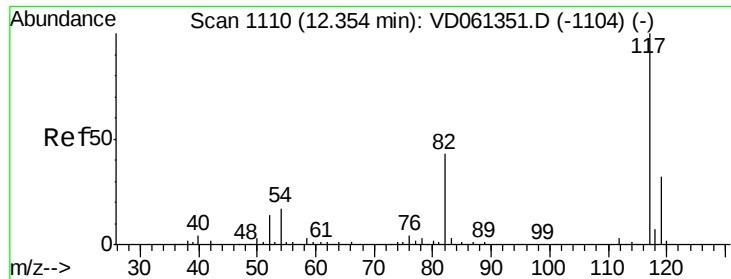
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 47.835 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 95 Resp: 398567
 Ion Ratio Lower Upper
 95 100
 174 82.5 0.0 178.0
 176 81.2 0.0 175.0





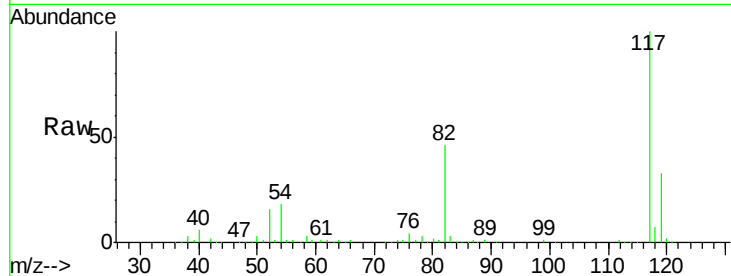
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

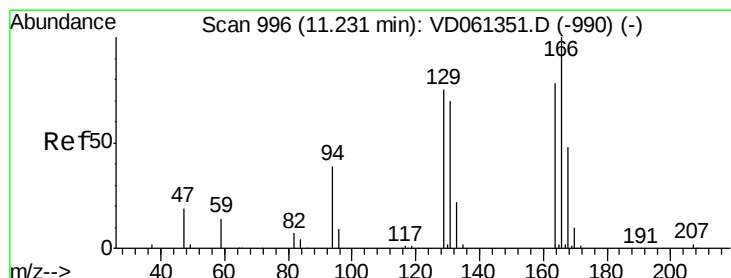
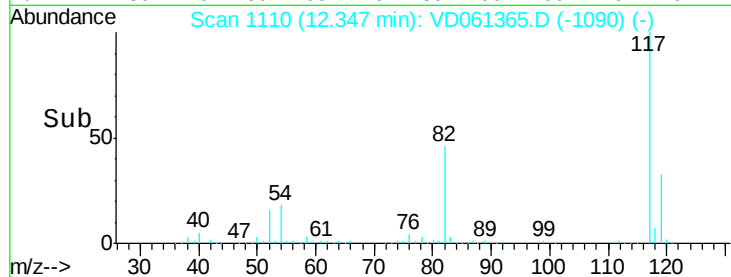
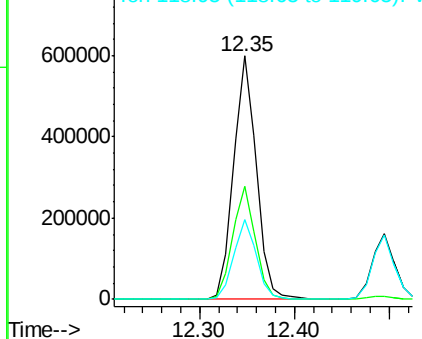
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	998319		
82	46.4	34.4	51.6	
119	32.5	25.8	38.6	

Manual Integrations
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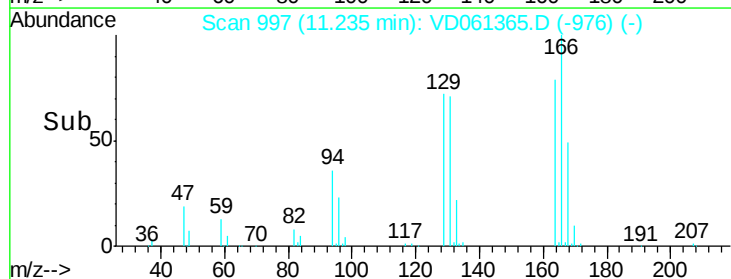
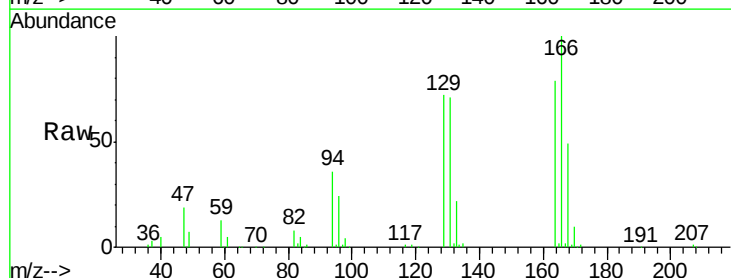
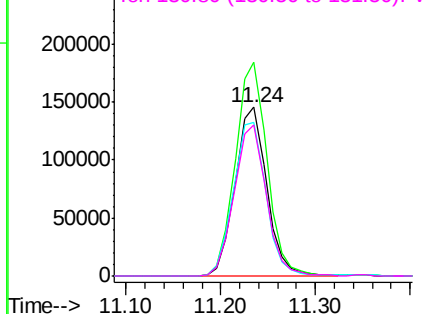
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

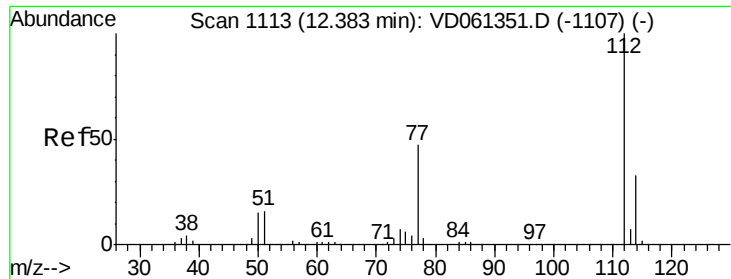


#64
Tetrachloroethene
Concen: 43.090 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	337613		
166	126.8	102.4	153.6	
129	91.3	76.8	115.2	
131	89.8	71.8	107.6	

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





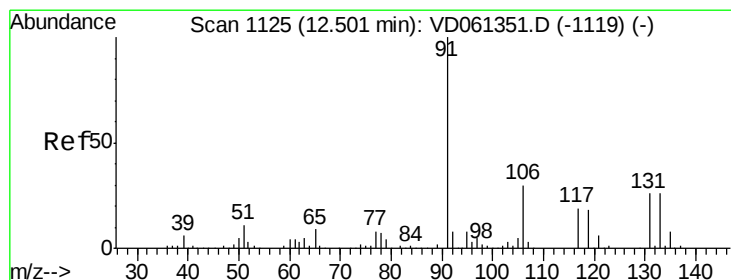
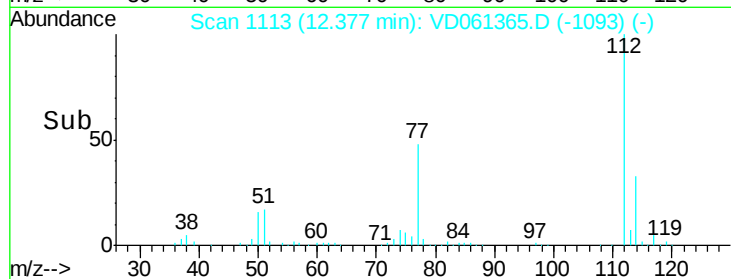
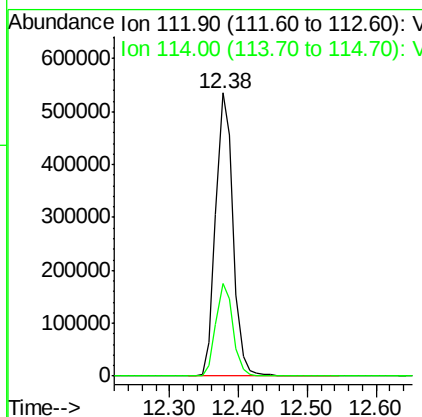
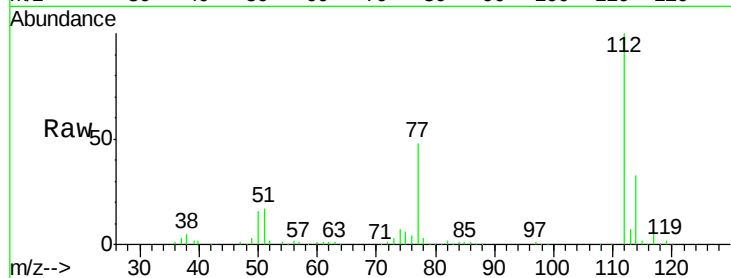
#65
Chlorobenzene
Concen: 45.870 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 935844
Ion Ratio Lower Upper
112 100
114 32.8 26.6 39.8

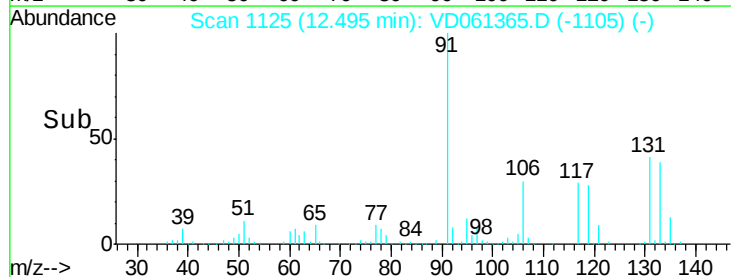
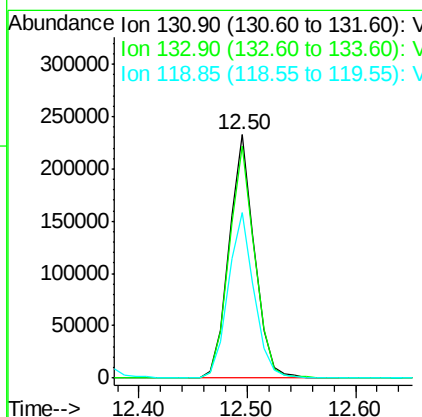
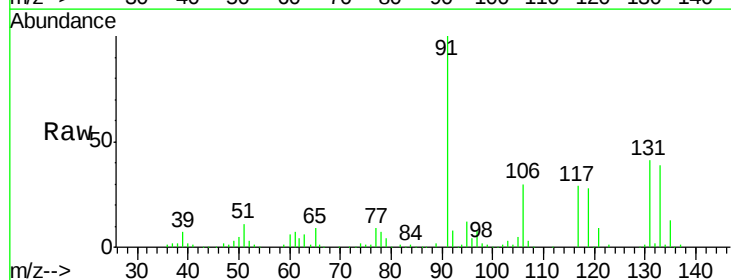
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.026 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion:131 Resp: 379384
Ion Ratio Lower Upper
131 100
133 95.2 49.4 148.2
119 67.9 34.1 102.2





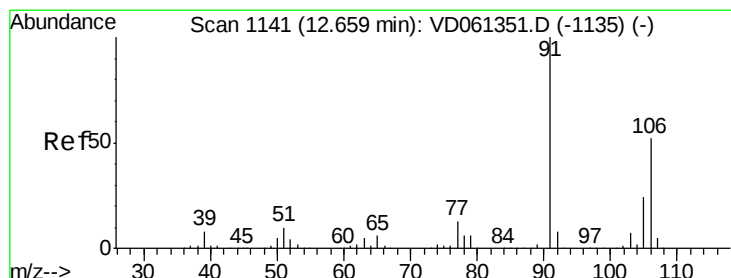
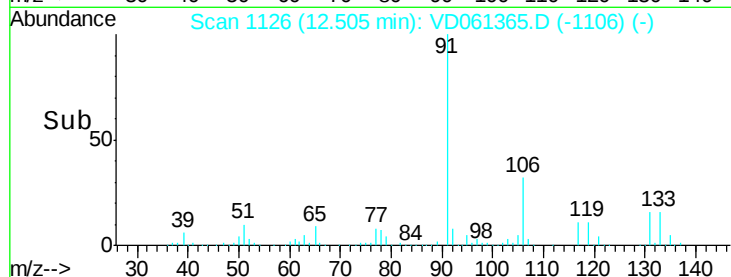
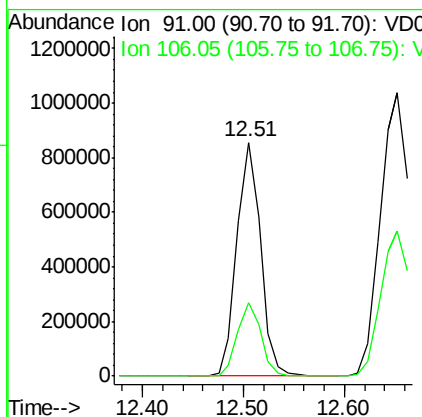
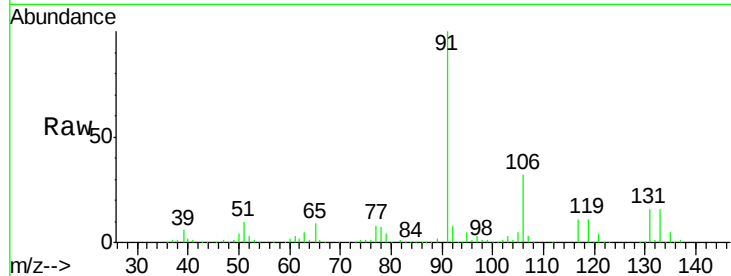
#67
Ethyl Benzene
Concen: 45.122 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1405154
Ion Ratio Lower Upper
91 100
106 31.7 26.1 39.1

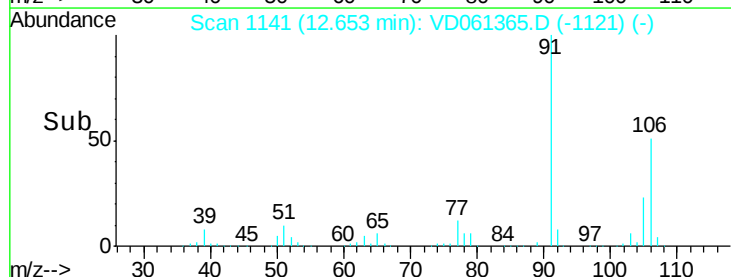
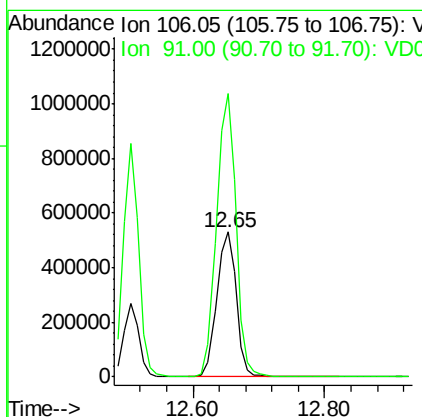
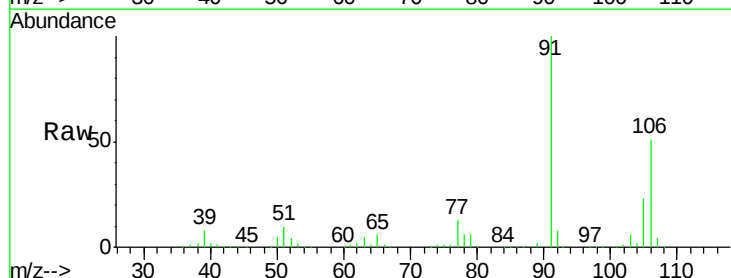
Manual Integrations
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#68
m/p-Xylenes
Concen: 91.628 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 106 Resp: 1080896
Ion Ratio Lower Upper
106 100
91 195.4 153.1 229.7





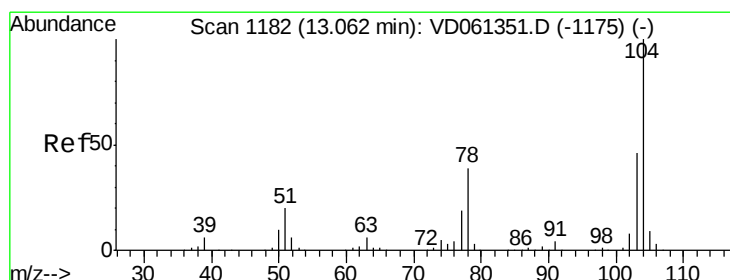
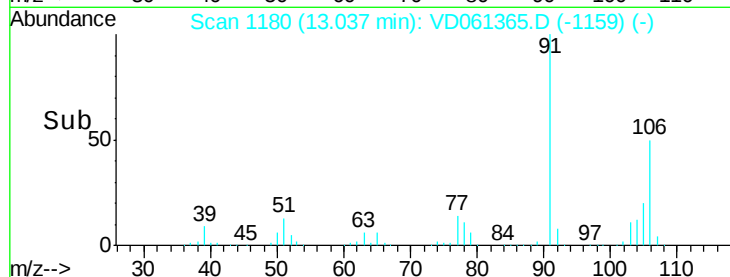
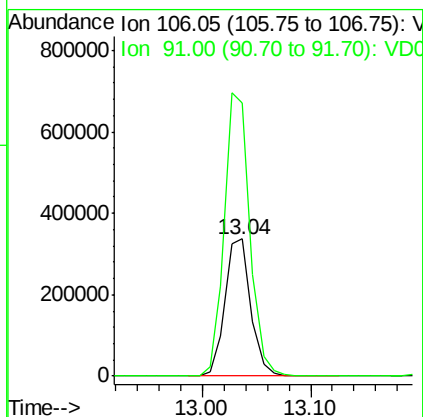
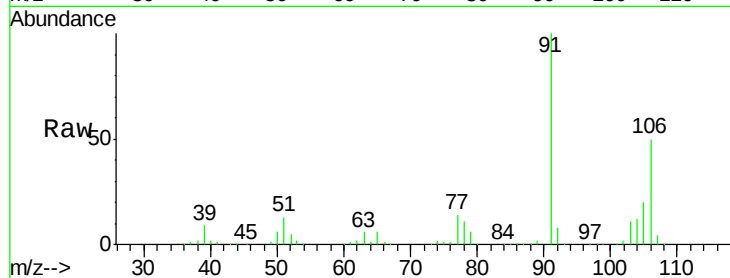
#69
o-Xylene
Concen: 48.757 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 558146
Ion Ratio Lower Upper
106 100
91 198.7 103.8 311.3

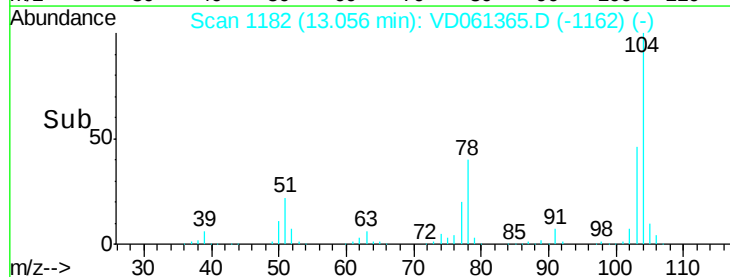
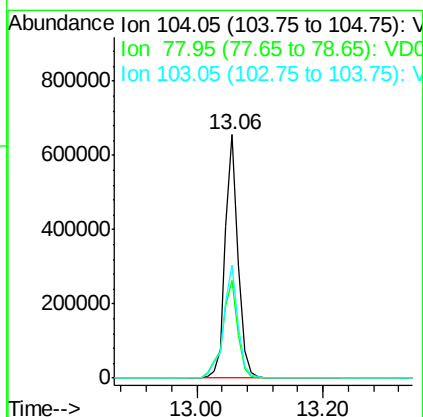
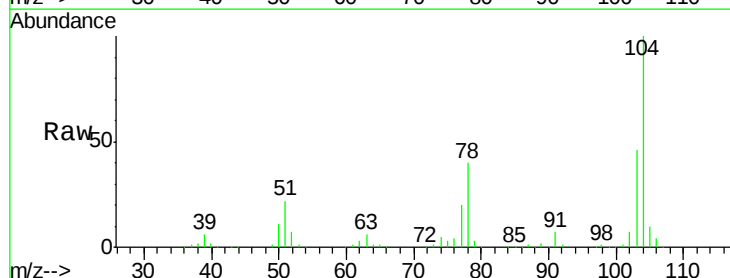
Manual Integrations
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#70
Styrene
Concen: 46.413 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion:104 Resp: 926198
Ion Ratio Lower Upper
104 100
78 40.3 31.0 46.6
103 46.3 37.0 55.4





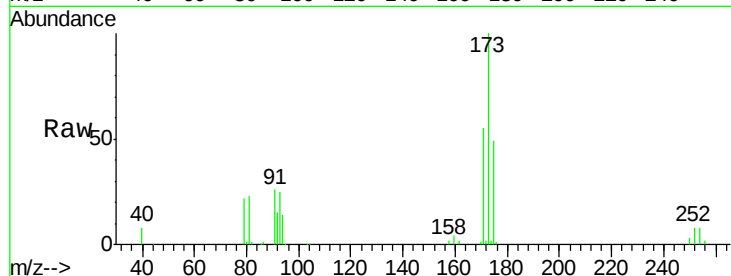
#71
Bromoform
Concen: 47.788 ug/l
RT: 13.21 min Scan# 1198
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

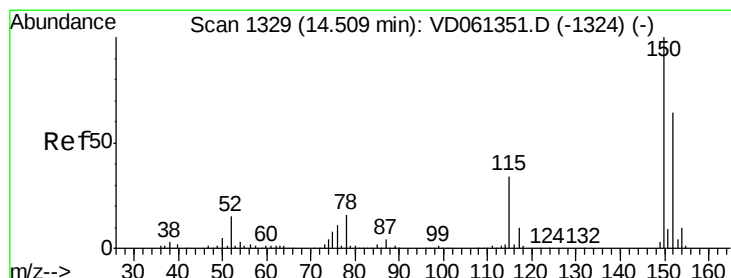
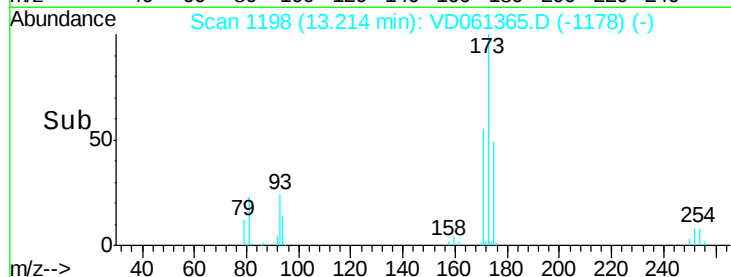
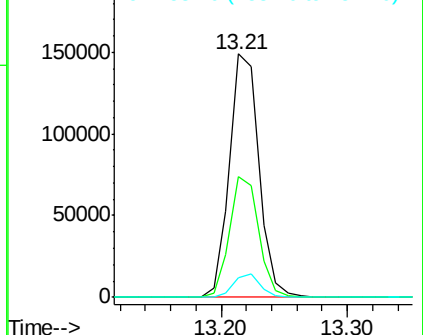
Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	73.8
254	7.8	6.6	10.0

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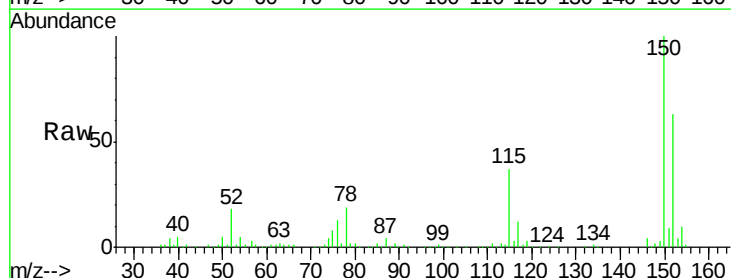


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

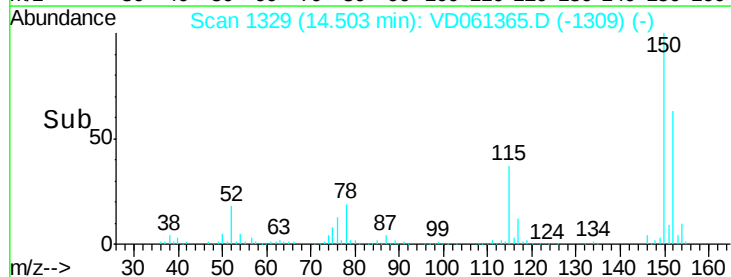
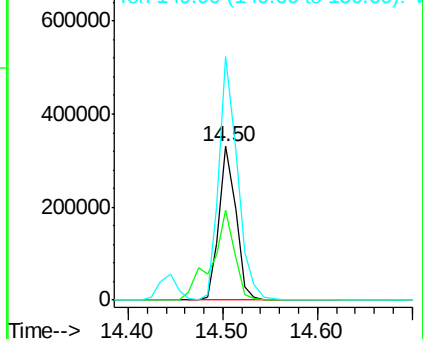


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	26.9	80.6
150	158.1	0.0	318.0



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: 46.609 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 1338235

Ion Ratio Lower Upper

105 100

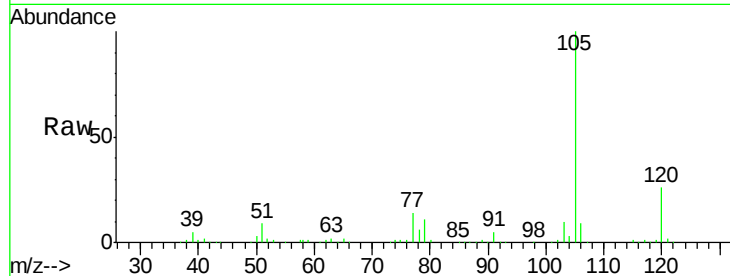
120 25.8 12.8 38.3

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.39

800000

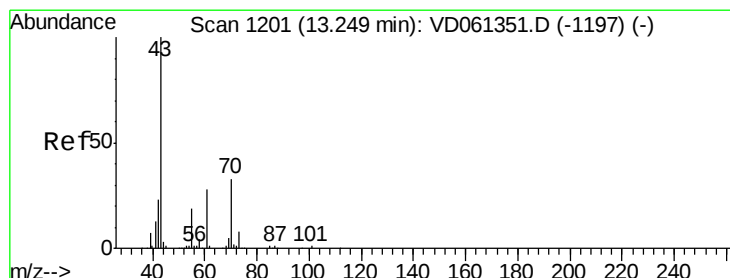
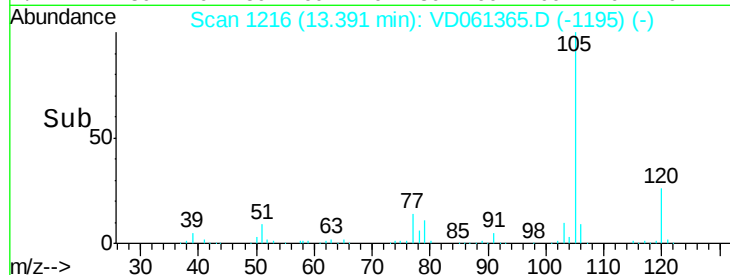
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 49.333 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Tgt Ion: 43 Resp: 394586

Ion Ratio Lower Upper

43 100

70 35.1 26.6 40.0

55 19.7 15.4 23.2

61 28.1 22.2 33.4

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

400000

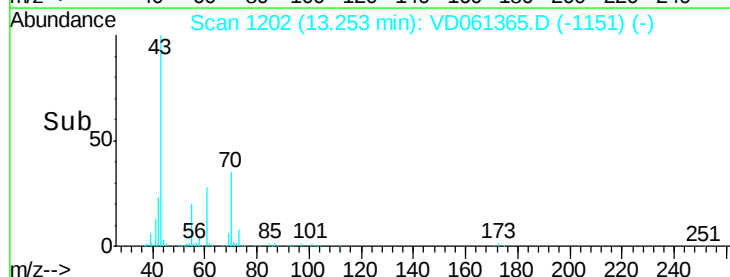
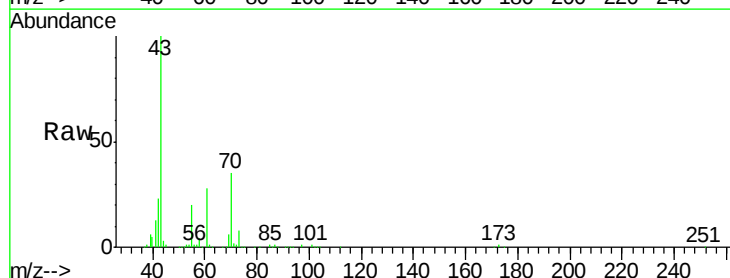
300000

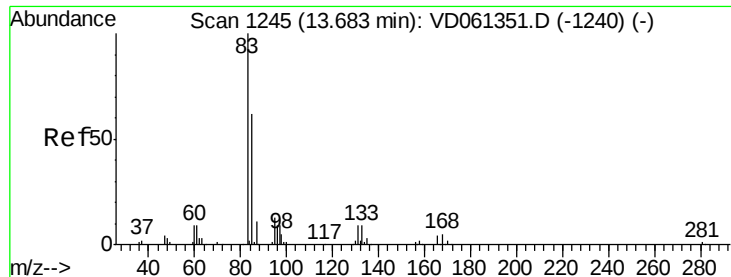
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.257 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 304399
Ion Ratio Lower Upper

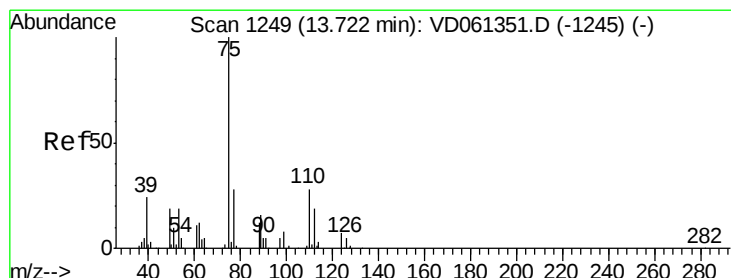
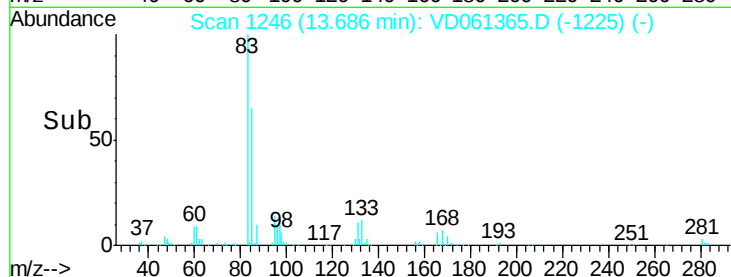
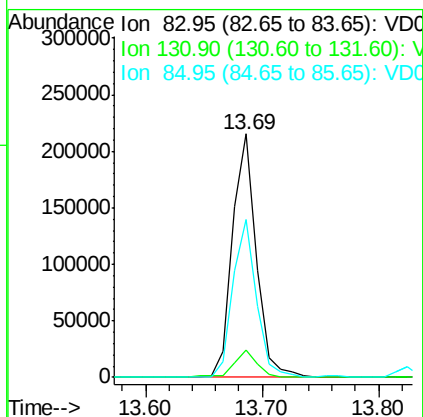
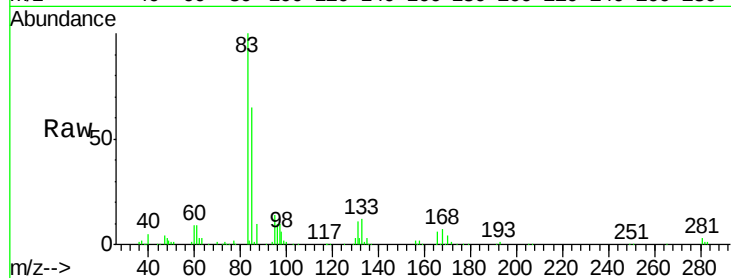
83 100

131 11.2 4.3 13.1

85 64.7 31.2 93.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.760 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

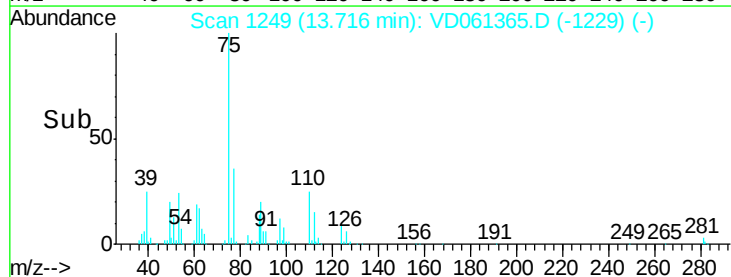
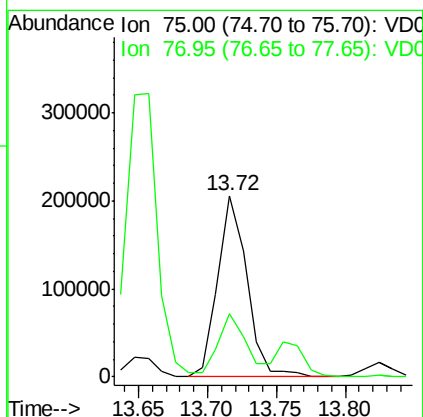
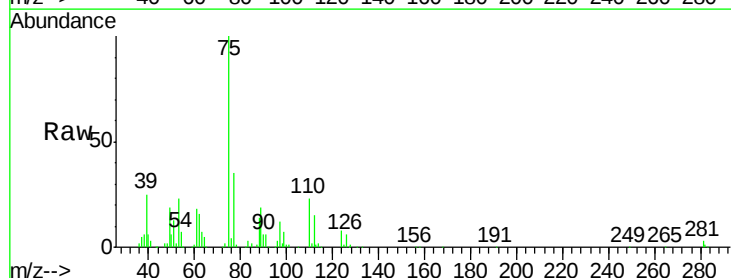
Lab File: VD061365.D

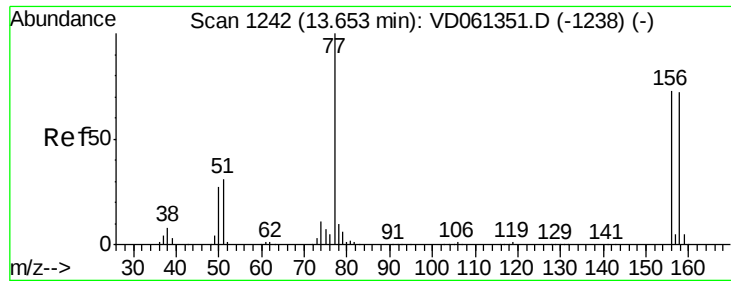
Acq: 27 Mar 2019 21:10

Tgt Ion: 75 Resp: 302490
Ion Ratio Lower Upper

75 100

77 34.9 16.2 48.5





#77

Bromobenzene

Concen: 47.705 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

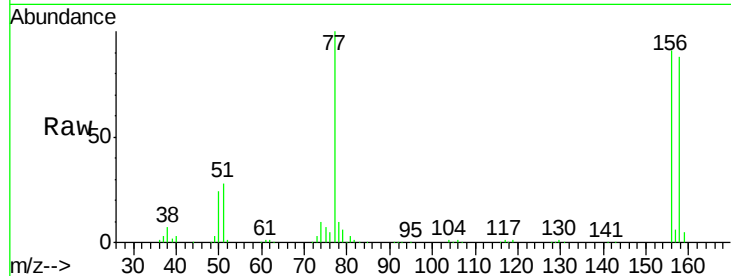
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	406060
Ion Ratio	Lower	Upper	
156	100		
77	109.4	68.5	205.6
158	96.3	49.1	147.3

Manual Integrations
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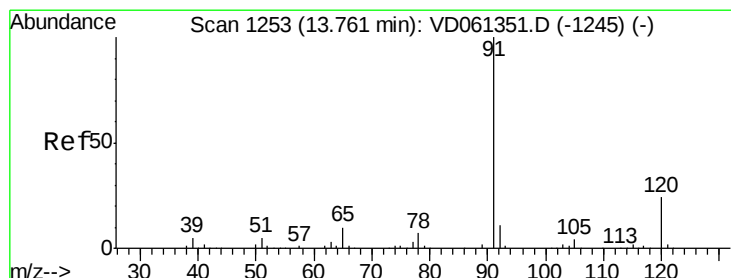
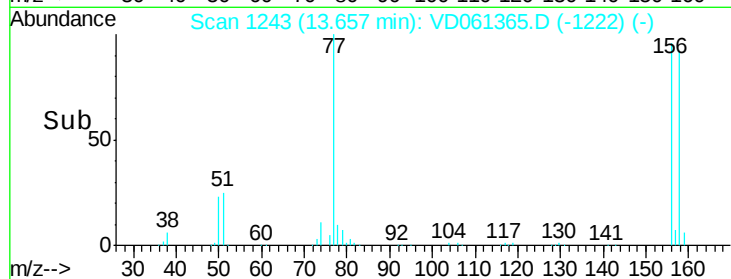
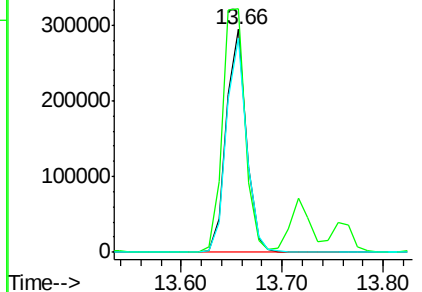
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.802 ug/l

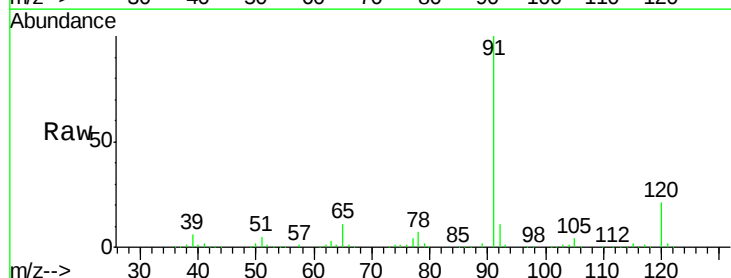
RT: 13.76 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD061365.D

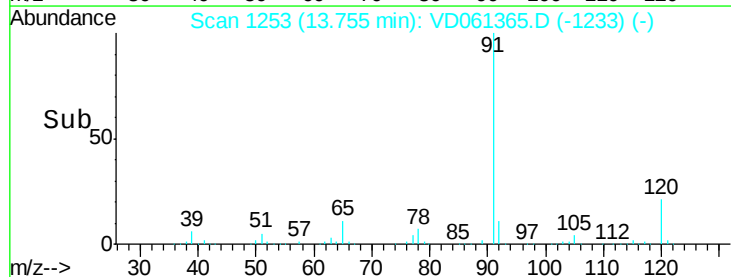
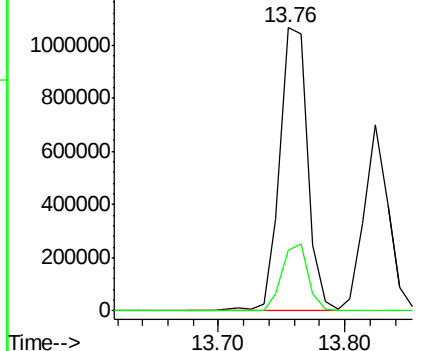
Acq: 27 Mar 2019 21:10

Tgt Ion:	91	Resp:	1644473
Ion Ratio	Lower	Upper	
91	100		
120	21.2	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.749 ug/l

RT: 13.82 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061365.D

Acq: 27 Mar 2019 21:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 930057

Ion Ratio Lower Upper

91 100

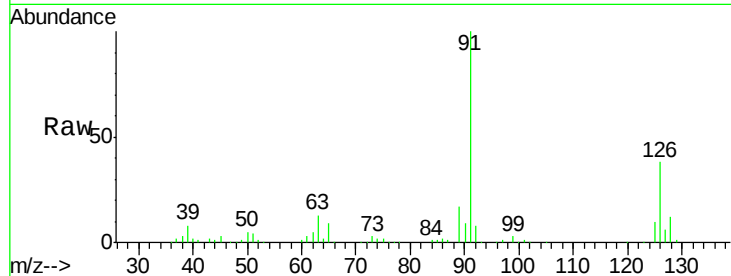
126 37.6 19.4 58.2

Manual Integrations

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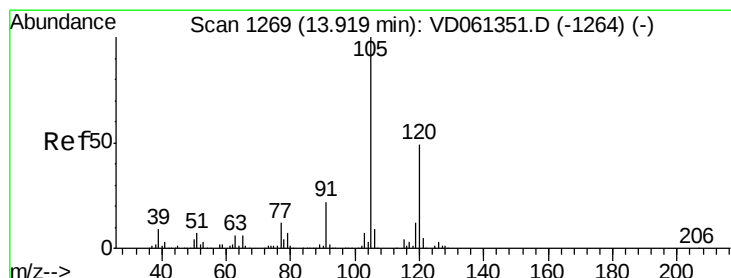
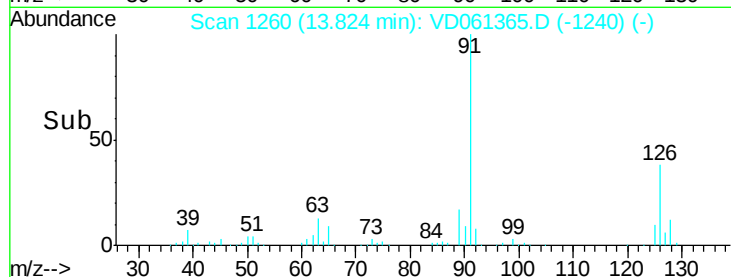
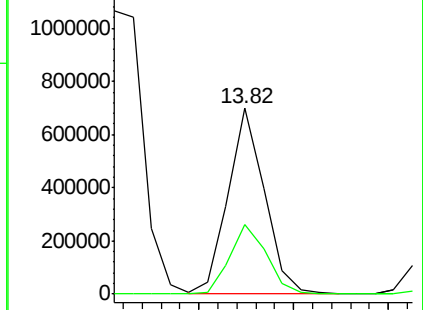
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Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.874 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD061365.D

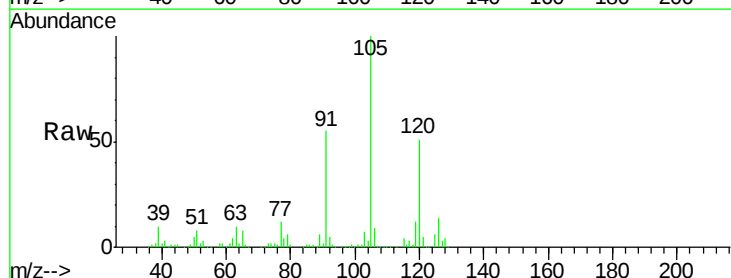
Acq: 27 Mar 2019 21:10

Tgt Ion: 105 Resp: 1111057

Ion Ratio Lower Upper

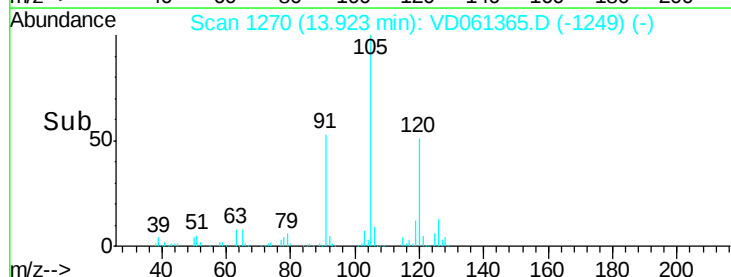
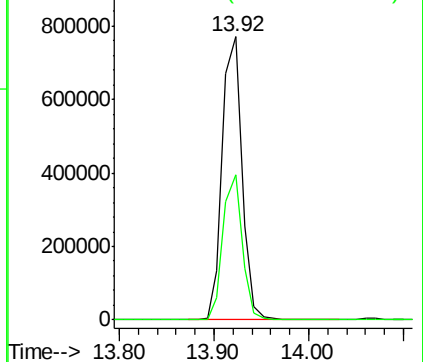
105 100

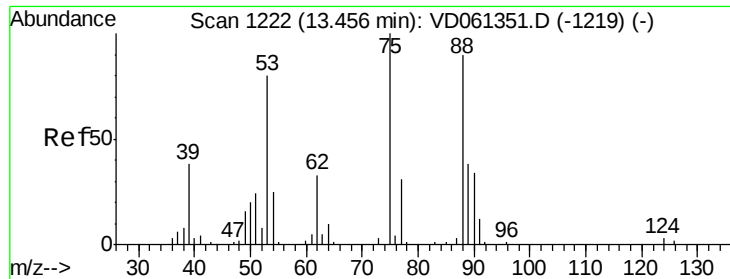
120 51.2 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)

Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





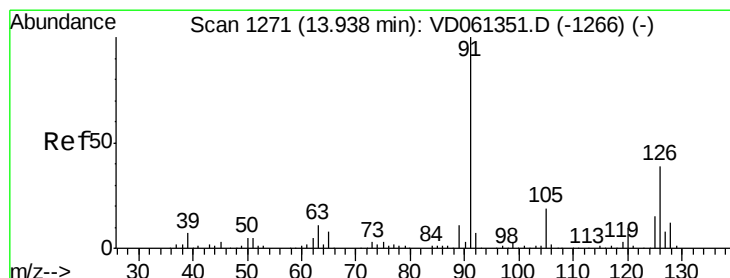
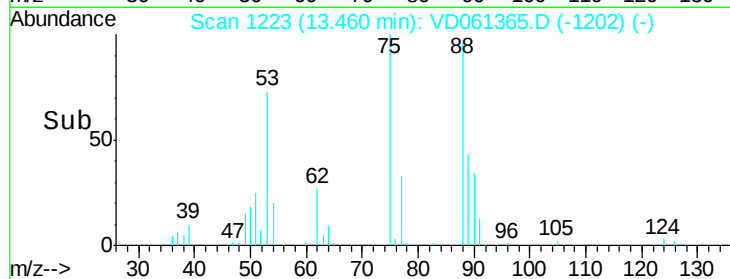
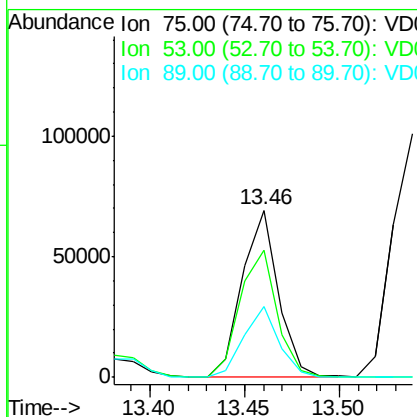
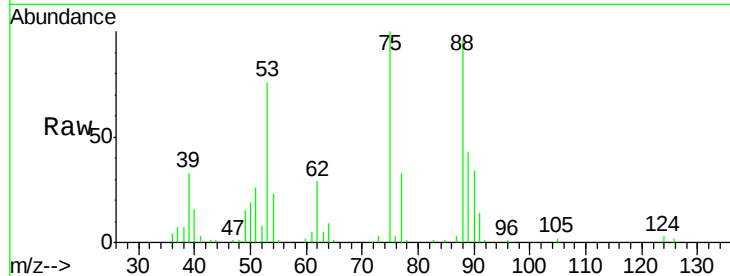
#81
trans-1,4-Dichloro-2-butene
Concen: 50.599 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	75.9	63.8	95.8
89	42.8	30.5	45.7

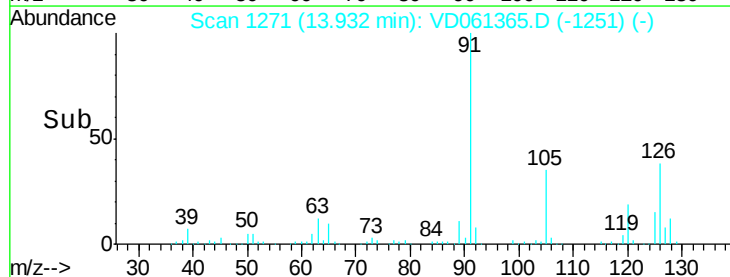
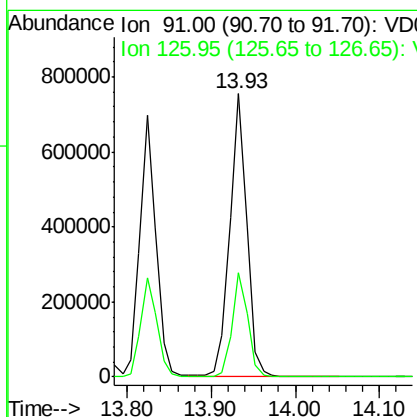
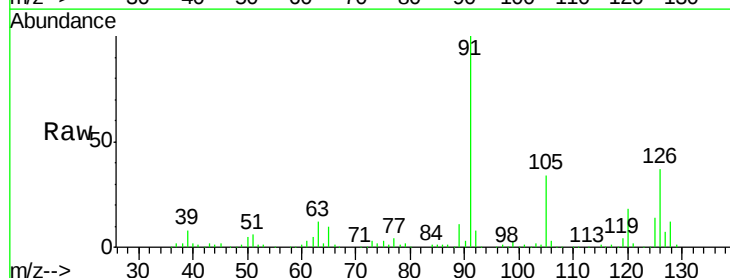
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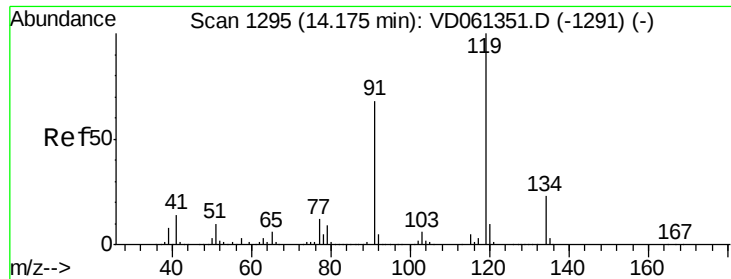
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3/29/2019 2:00:47 PM



#82
4-Chlorotoluene
Concen: 50.910 ug/l
RT: 13.93 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	19.6	58.8





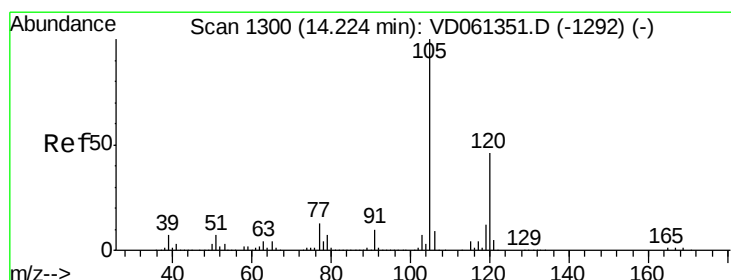
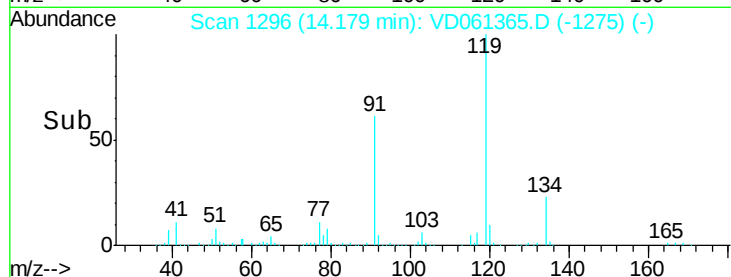
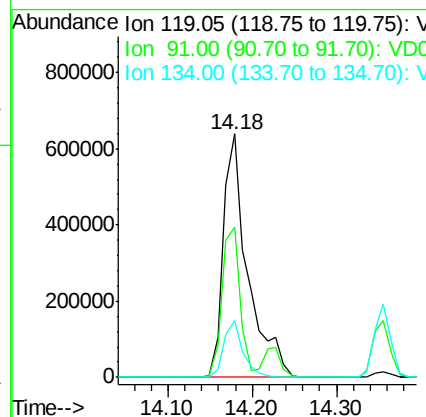
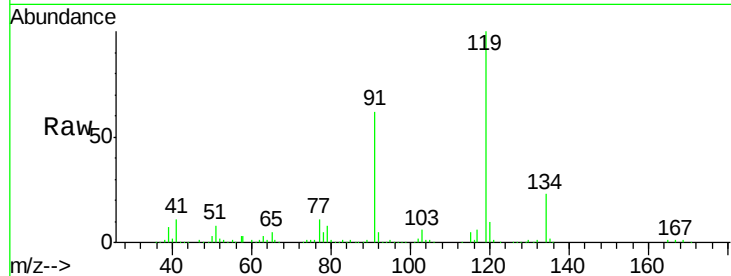
#83
 tert-Butylbenzene
 Concen: 46.277 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:119 Resp: 1288394
 Ion Ratio Lower Upper
 119 100
 91 61.5 34.1 102.3
 134 23.2 11.6 34.8

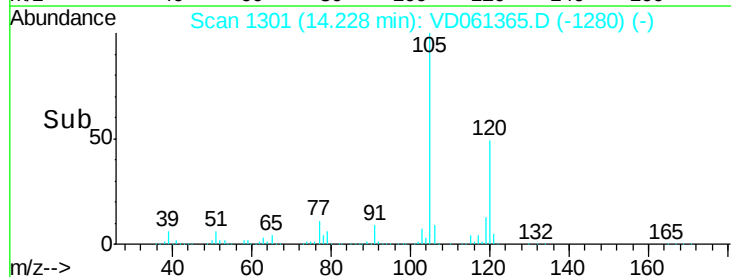
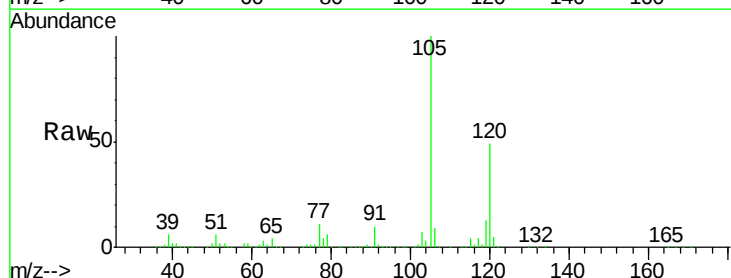
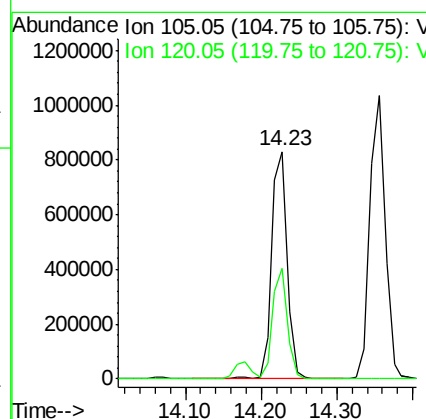
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.121 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion:105 Resp: 1184700
 Ion Ratio Lower Upper
 105 100
 120 48.8 22.8 68.4





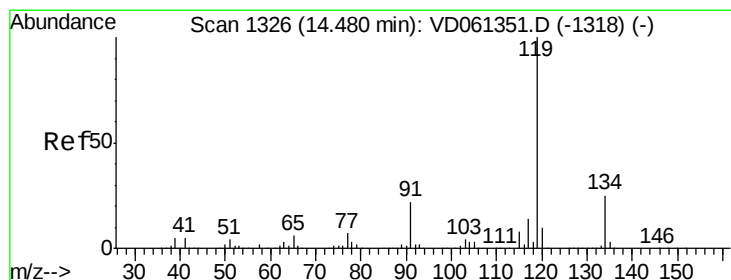
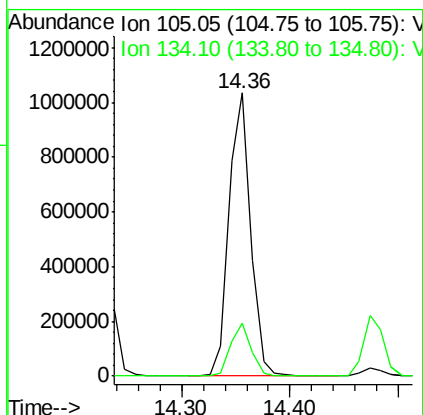
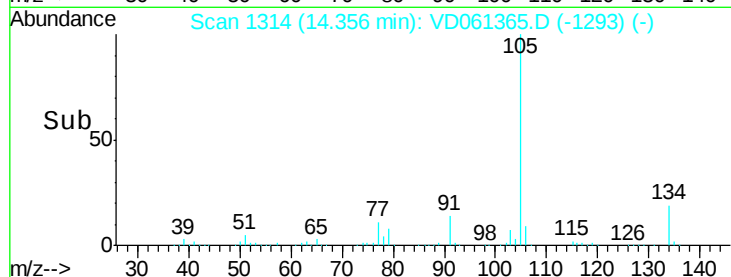
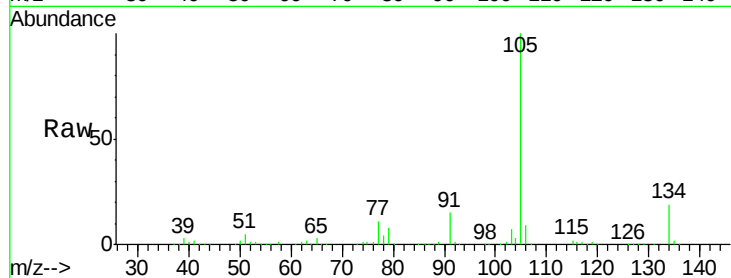
#85
 sec-Butylbenzene
 Concen: 48.322 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 1429179
 Ion Ratio Lower Upper
 105 100
 134 18.7 8.7 26.1

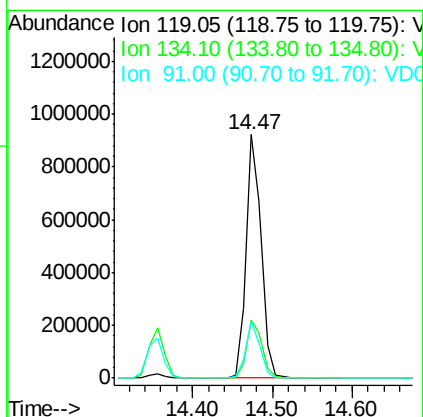
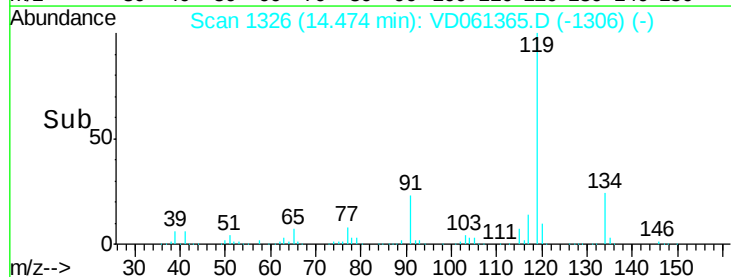
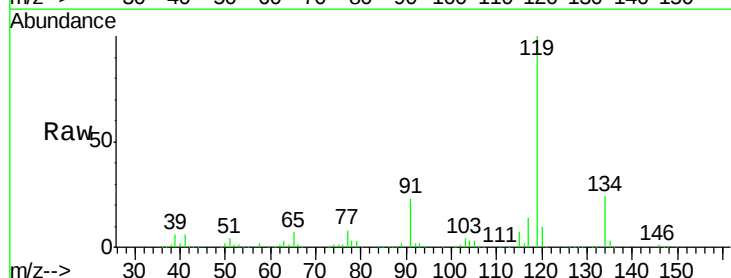
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 47.632 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion:119 Resp: 1191256
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.3 36.8
 91 23.4 11.1 33.1





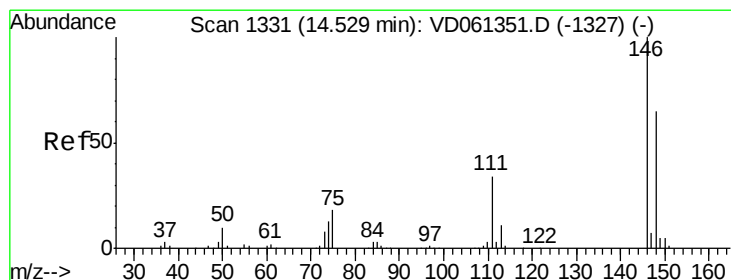
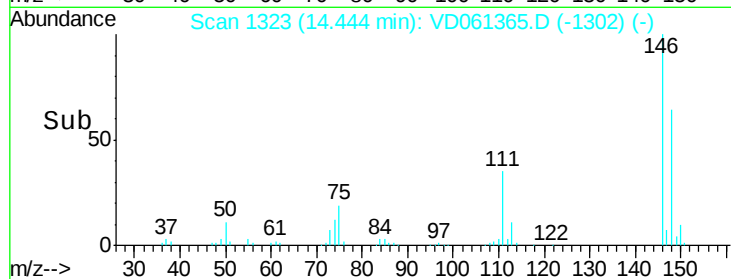
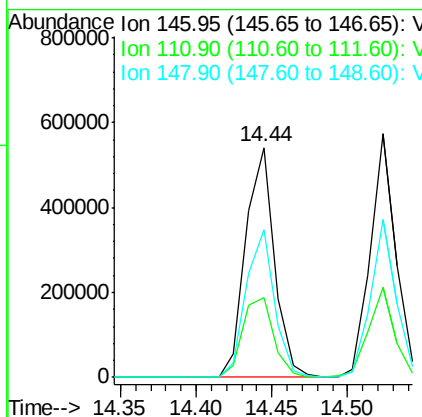
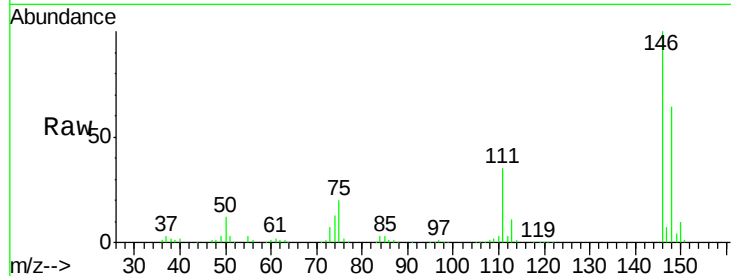
#87
 1,3-Dichlorobenzene
 Concen: 49.822 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	718148		
111	34.8	20.6	61.9	
148	64.2	31.1	93.3	

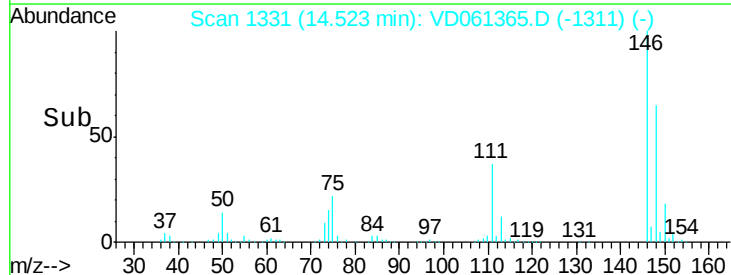
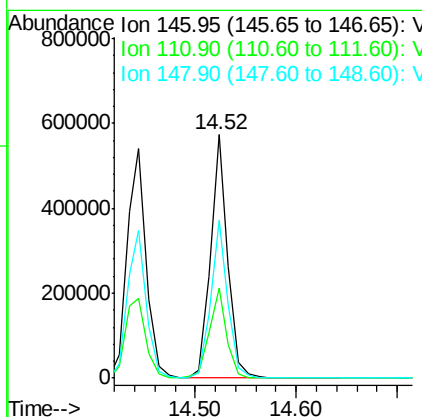
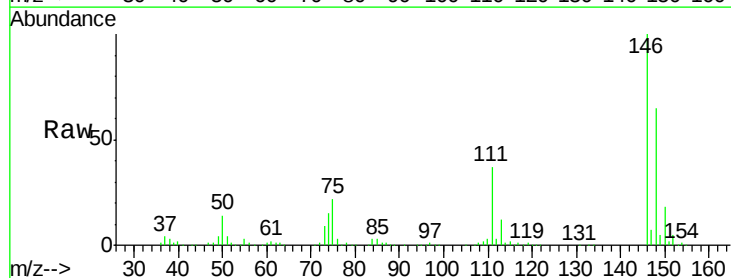
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#88
 1,4-Dichlorobenzene
 Concen: 48.075 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	675771		
111	36.8	16.8	50.4	
148	65.0	32.6	98.0	





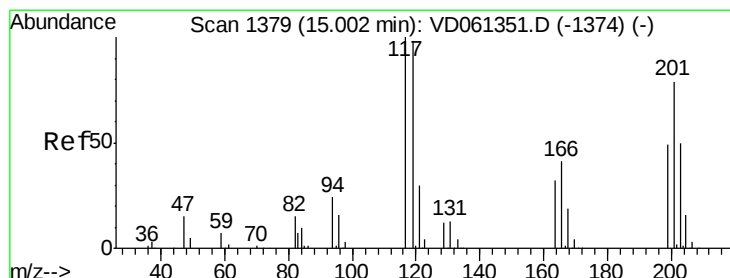
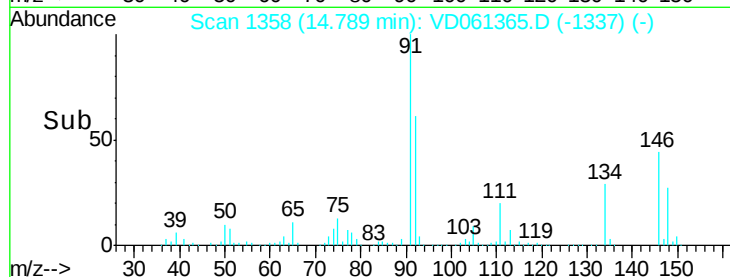
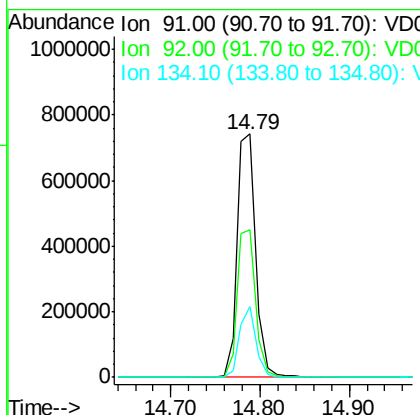
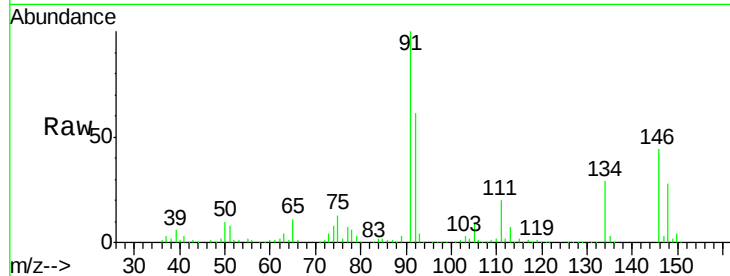
#89
n-Butylbenzene
Concen: 46.986 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1078550
Ion Ratio Lower Upper
91 100
92 60.6 30.3 91.0
134 28.9 12.4 37.0

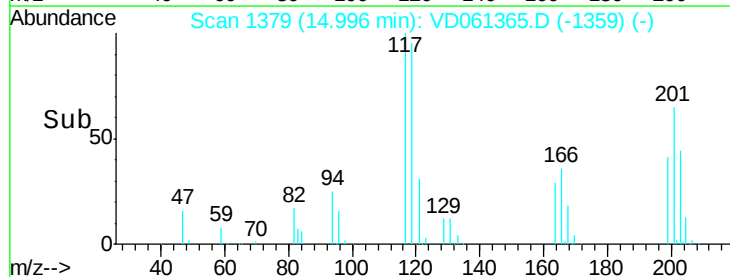
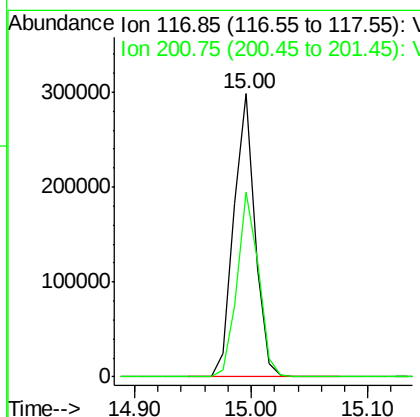
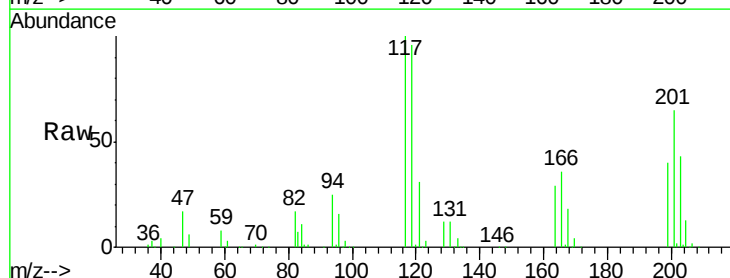
Manual Integrations
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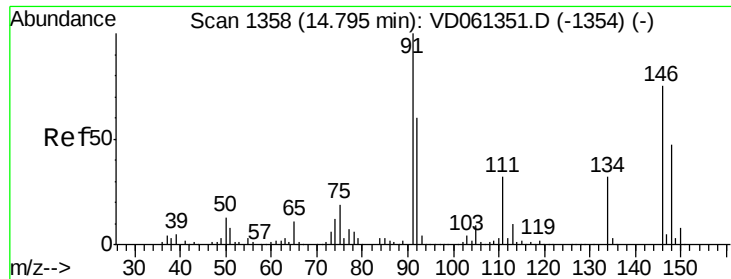
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#90
Hexachloroethane
Concen: 53.630 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion: 117 Resp: 378920
Ion Ratio Lower Upper
117 100
201 65.1 39.6 119.0





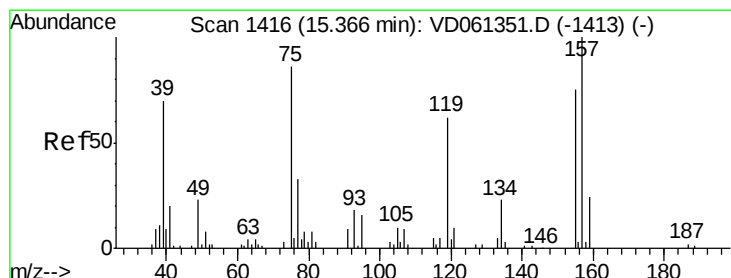
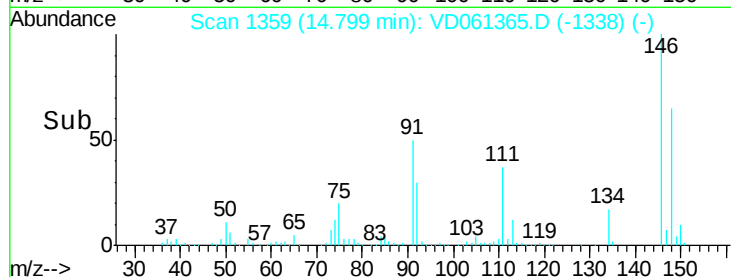
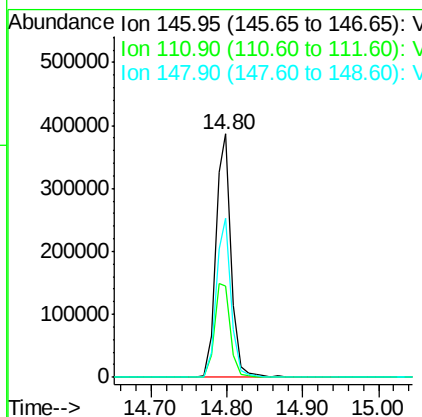
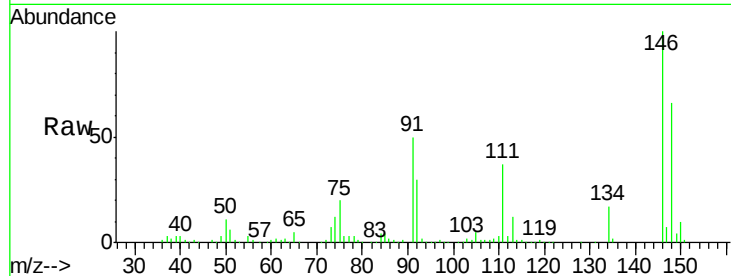
#91
 1,2-Dichlorobenzene
 Concen: 46.264 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tgt Ion: 146 Resp: 546983
 Ion Ratio Lower Upper
 146 100
 111 37.5 21.2 63.6
 148 65.5 31.6 95.0

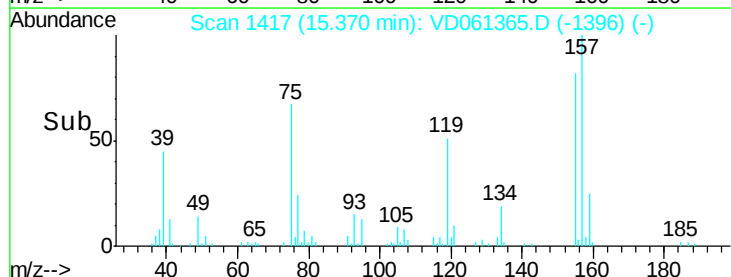
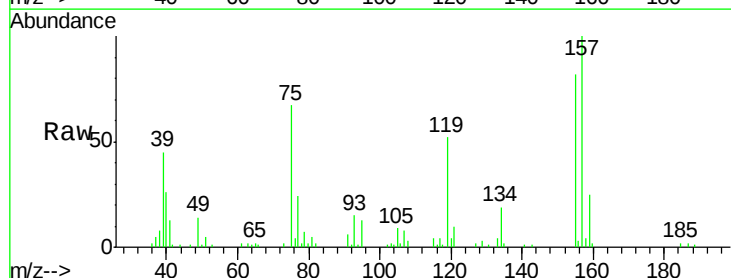
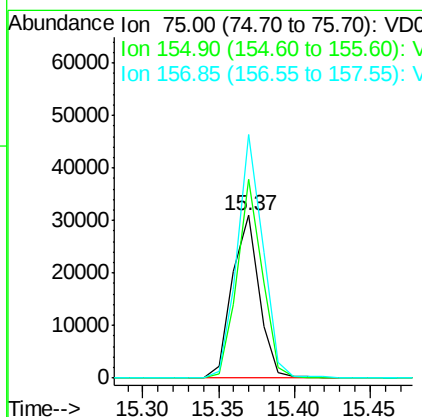
Manual Integrations
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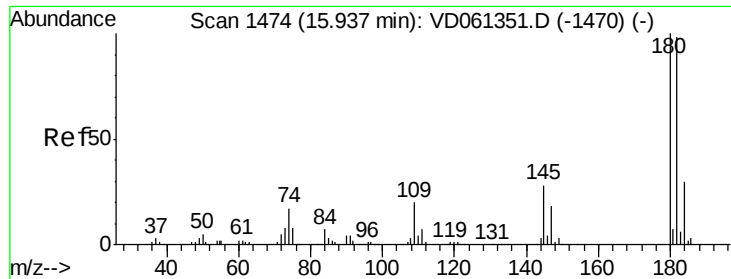
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.080 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion: 75 Resp: 38417
 Ion Ratio Lower Upper
 75 100
 155 122.2 43.6 130.9
 157 149.9 58.5 175.3





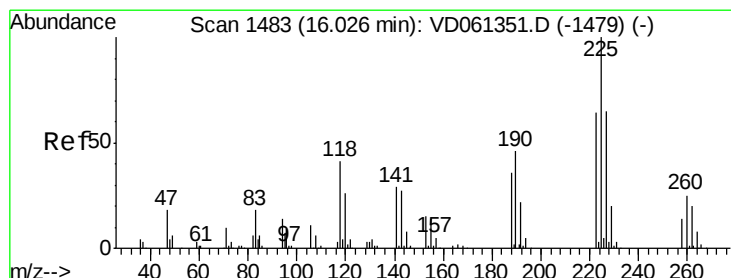
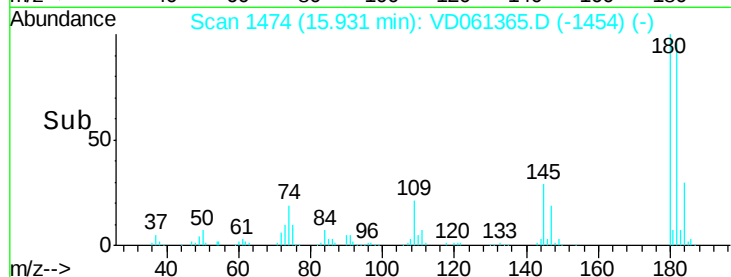
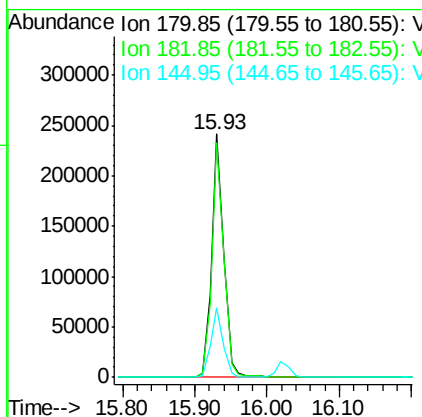
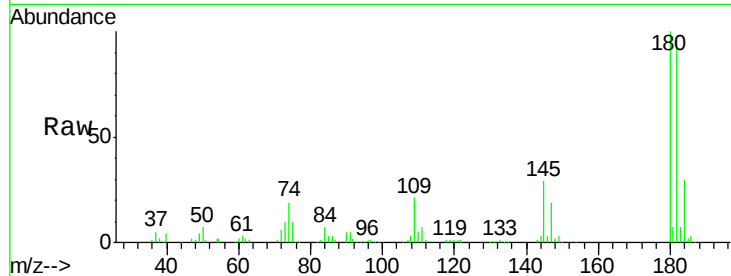
#93
 1,2,4-Trichlorobenzene
 Concen: 51.508 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	277415		
182	96.4	48.9	146.8	
145	28.7	14.1	42.3	

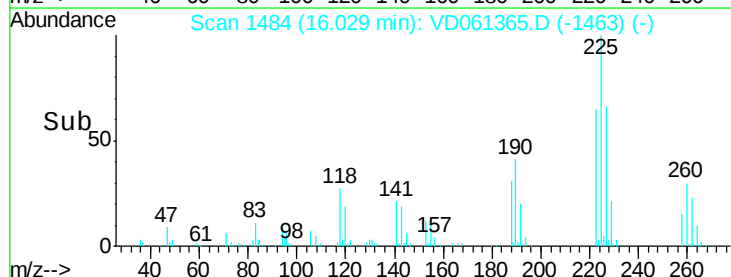
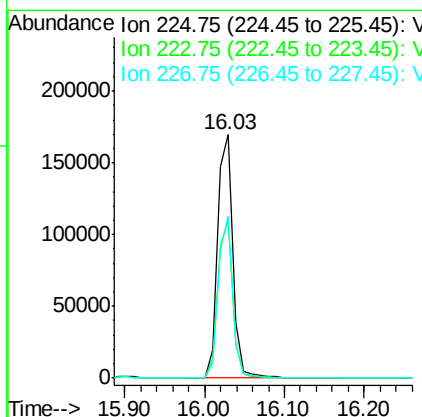
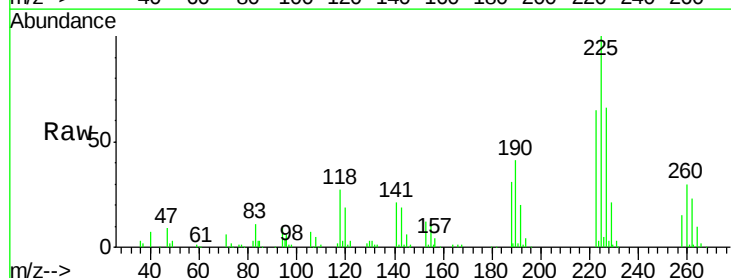
Manual Integrations
 APPROVED

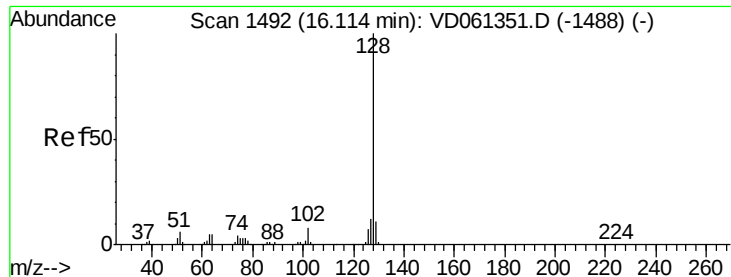
MMDadoda
 3/29/2019 2:00:47 PM



#94
 Hexachlorobutadiene
 Concen: 54.813 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061365.D
 Acq: 27 Mar 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	230689		
223	64.9	32.0	96.0	
227	66.2	32.4	97.2	





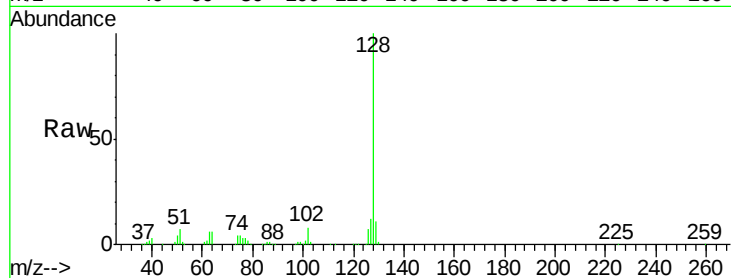
#95
Naphthalene
Concen: 55.379 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

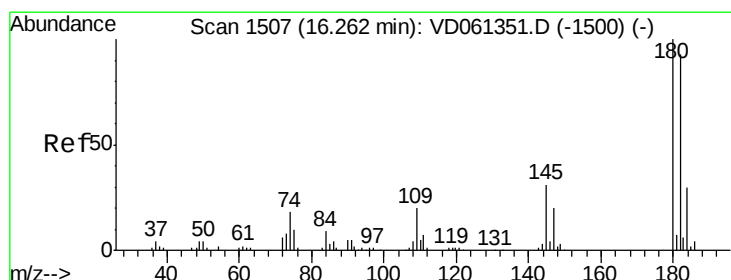
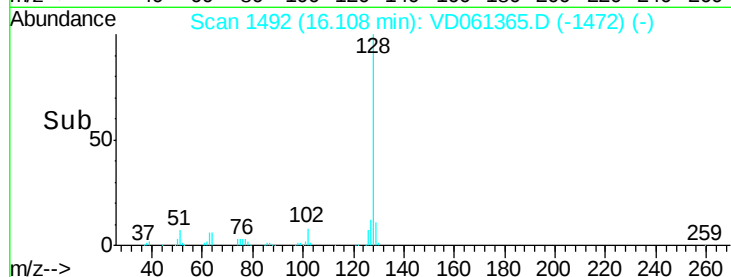
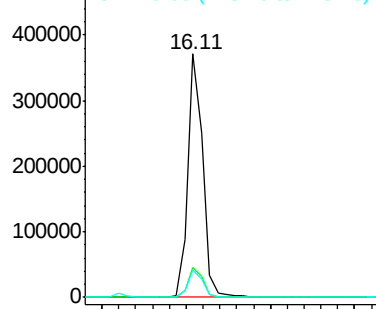
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	454633		
127	12.3	9.9	14.9	
129	11.1	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
3/29/2019 2:00:47 PM

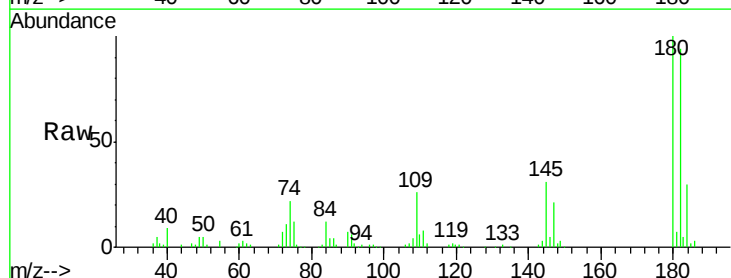


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 63.712 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061365.D
Acq: 27 Mar 2019 21:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	151000		
182	94.3	46.4	139.1	
145	31.3	15.3	45.9	



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

