

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040919\
 Data File : VD061695.D
 Acq On : 10 Apr 2019 2:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 3:00:09 AM

Quant Time: Apr 10 05:15:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	612880	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.25	114	1023777	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	818065	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	370797	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	234286	50.43	ug/l	0.03
Spiked Amount 50.000			Recovery	=	100.86%	
35) Dibromofluoromethane	6.95	113	343461	48.43	ug/l	0.03
Spiked Amount 50.000			Recovery	=	96.86%	
50) Toluene-d8	10.43	98	725596	40.72	ug/l	0.03
Spiked Amount 50.000			Recovery	=	81.44%	
62) 4-Bromofluorobenzene	13.56	95	303462	48.05	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	278822	42.169	ug/l	100
3) Chloromethane	1.76	50	222035	41.555	ug/l	98
4) Vinyl Chloride	1.86	62	206711	41.402	ug/l	99
5) Bromomethane	2.17	94	50134	43.383	ug/l	99
6) Chloroethane	2.28	64	82294	52.624	ug/l	97
7) Trichlorofluoromethane	2.55	101	312117	41.403	ug/l	94
8) Diethyl Ether	2.89	74	115747	54.710	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.17	101	315737	42.601	ug/l	98
10) Methyl Iodide	3.33	142	513288	46.702	ug/l	98
11) Tert butyl alcohol	4.08	59	82299	264.336	ug/l #	93
12) 1,1-Dichloroethene	3.15	96	274274	42.928	ug/l	99
13) Acrolein	3.05	56	100398	264.488	ug/l	94
14) Allyl chloride	3.65	41	405877	46.576	ug/l	98
15) Acrylonitrile	4.22	53	269522	251.480	ug/l	96
16) Acetone	3.24	43	283846	204.393	ug/l	99
17) Carbon Disulfide	3.41	76	830950	40.026	ug/l	100
18) Methyl Acetate	3.66	43	139556	53.412	ug/l	99
19) Methyl tert-butyl Ether	4.26	73	570969	51.611	ug/l	99
20) Methylene Chloride	3.84	84	349637	44.368	ug/l	99
21) trans-1,2-Dichloroethene	4.24	96	319208	46.000	ug/l	95
22) Diisopropyl ether	5.14	45	942085	51.563	ug/l #	86
23) Vinyl Acetate	5.09	43	2578342	255.755	ug/l	100
24) 1,1-Dichloroethane	5.02	63	507035	45.287	ug/l	99
25) 2-Butanone	6.09	43	390557	243.951	ug/l	99
26) 2,2-Dichloropropane	6.05	77	401917	44.087	ug/l	100
27) cis-1,2-Dichloroethene	6.06	96	370305	50.021	ug/l	99
28) Bromochloromethane	6.47	49	246176	59.606	ug/l	99
29) Tetrahydrofuran	6.49	42	206344	266.994	ug/l	98
30) Chloroform	6.69	83	553176	47.164	ug/l	97
31) Cyclohexane	6.99	56	370882	42.403	ug/l	98
32) 1,1,1-Trichloroethane	6.90	97	500889	48.733	ug/l	100
36) 1,1-Dichloropropene	7.18	75	386804	43.170	ug/l	100
37) Ethyl Acetate	6.21	43	186831	51.194	ug/l #	97
38) Carbon Tetrachloride	7.15	117	492072m	46.859	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	391007	42.506	ug/l	97
40) Benzene	7.48	78	1064639	49.253	ug/l	98
41) Methacrylonitrile	6.48	41	234665	55.082	ug/l #	92
42) 1,2-Dichloroethane	7.61	62	359802	52.928	ug/l	98
43) Isopropyl Acetate	9.26	43	276221	52.151	ug/l	99
44) Trichloroethene	8.56	130	367002	44.288	ug/l	96
45) 1,2-Dichloropropane	8.97	63	252543	47.111	ug/l	99
46) Dibromomethane	9.09	93	197346	51.510	ug/l	99
47) Bromodichloromethane	9.40	83	452202	53.742	ug/l	99
48) Methyl methacrylate	9.14	41	159959	52.393	ug/l	97
49) 1,4-Dioxane	9.10	88	34508	1023.986	ug/l #	83
51) 4-Methyl-2-Pentanone	10.33	43	841465	268.639	ug/l	98
52) Toluene	10.53	92	663285	49.140	ug/l	99
53) t-1,3-Dichloropropene	10.94	75	377602	51.195	ug/l	98
54) cis-1,3-Dichloropropene	10.06	75	470856	51.786	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	229209	50.349	ug/l	98
56) Ethyl methacrylate	11.06	69	248616	51.768	ug/l	98
57) 1,3-Dichloropropane	11.43	76	348928	52.338	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.88	63	625945	276.231	ug/l	100
59) 2-Hexanone	11.55	43	594731	244.651	ug/l	98
60) Dibromochloromethane	11.70	129	391401	54.419	ug/l	99
61) 1,2-Dibromoethane	11.82	107	285697	53.663	ug/l	94
64) Tetrachloroethene	11.28	164	296713	46.726	ug/l	97
65) Chlorobenzene	12.41	112	736522	45.399	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	323795	51.867	ug/l	97
67) Ethyl Benzene	12.54	91	1187245	48.058	ug/l	99
68) m/p-Xylenes	12.69	106	867296	91.063	ug/l	99
69) o-Xylene	13.06	106	424965	46.224	ug/l	99
70) Styrene	13.08	104	713281	45.429	ug/l	98
71) Bromoform	13.25	173	208393	53.801	ug/l #	98
73) Isopropylbenzene	13.42	105	1208003	48.894	ug/l	99
74) N-amyl acetate	13.28	43	356903	53.167	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	267482	52.360	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	267371	53.000	ug/l	98
77) Bromobenzene	13.68	156	364602	50.841	ug/l	90
78) n-propylbenzene	13.79	91	1480092	50.081	ug/l	95
79) 2-Chlorotoluene	13.85	91	806952	47.747	ug/l	96
80) 1,3,5-Trimethylbenzene	13.95	105	978530	49.900	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.49	75	80864	52.823	ug/l	90
82) 4-Chlorotoluene	13.96	91	941940	50.862	ug/l	96
83) tert-Butylbenzene	14.20	119	1135120	48.009	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	954514	48.229	ug/l	96
85) sec-Butylbenzene	14.38	105	1145116	44.827	ug/l	95
86) p-Isopropyltoluene	14.50	119	1047983	47.290	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	607348	49.210	ug/l	96
88) 1,4-Dichlorobenzene	14.55	146	618861	49.696	ug/l	99
89) n-Butylbenzene	14.81	91	905928	47.033	ug/l	99
90) Hexachloroethane	15.02	117	323994	53.882	ug/l	68
91) 1,2-Dichlorobenzene	14.82	146	520514	51.171	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.40	75	36023	58.435	ug/l	60

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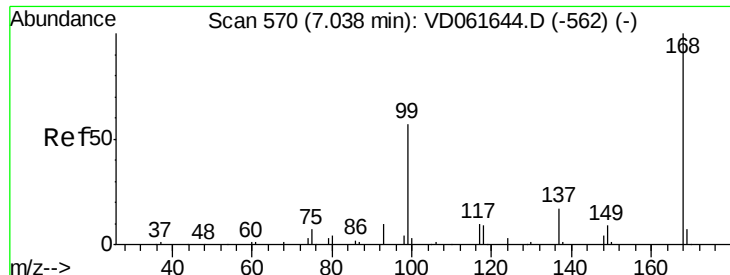
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	294137	56.757	ug/l	99
94) Hexachlorobutadiene	16.05	225	223883	55.948	ug/l	98
95) Naphthalene	16.13	128	529220	64.539	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	186162	71.977	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.04 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 612880

Ion Ratio Lower Upper

168 100

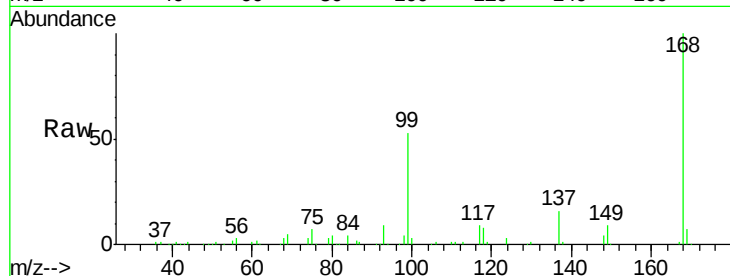
99 52.6 46.8 70.2

Manual Integrations

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4/11/2019 3:00:09 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.08

250000

200000

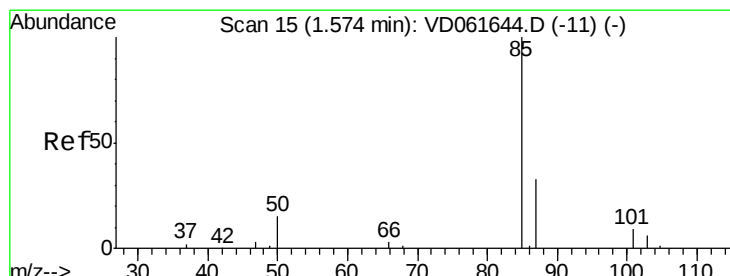
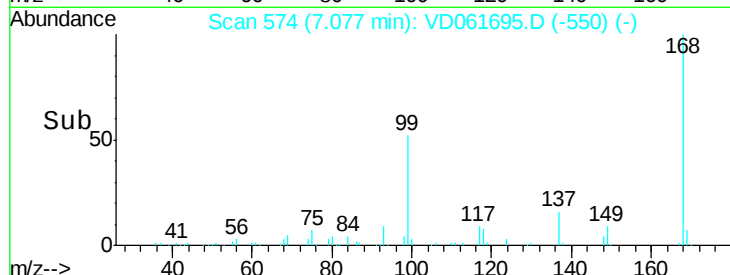
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.169 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061695.D

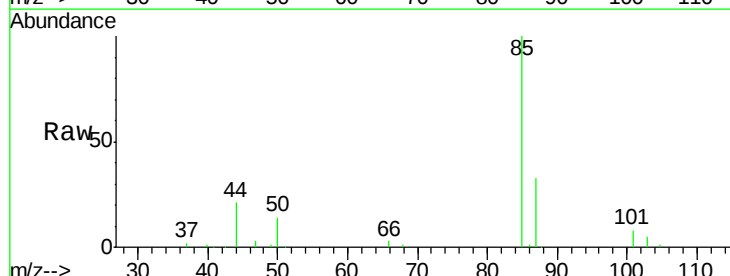
Acq: 10 Apr 2019 2:03

Tgt Ion: 85 Resp: 278822

Ion Ratio Lower Upper

85 100

87 33.3 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

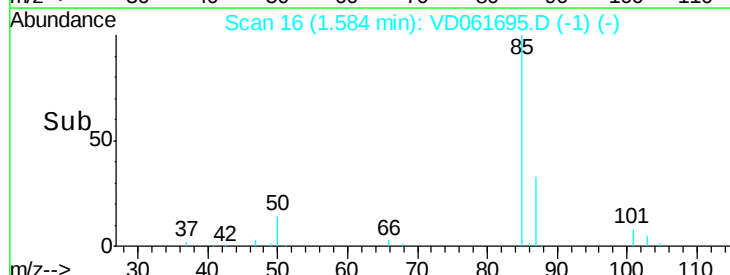
1.58

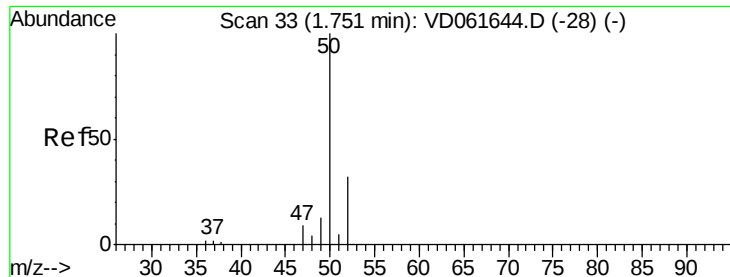
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50000

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Time-->





#3

Chloromethane

Concen: 41.555 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 222035

Ion Ratio Lower Upper

50 100

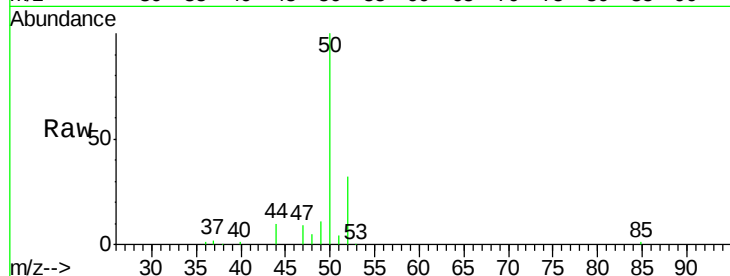
52 32.5 25.1 37.7

Manual Integrations

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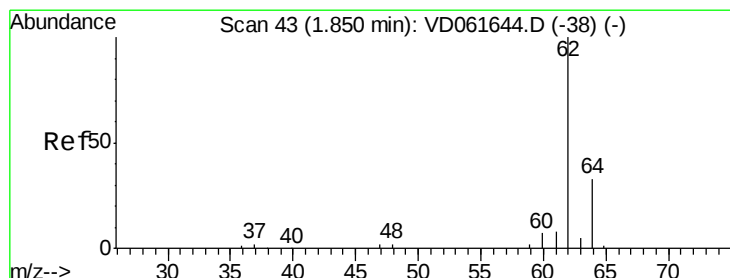
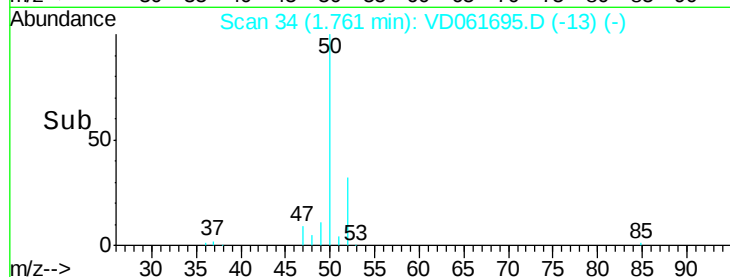
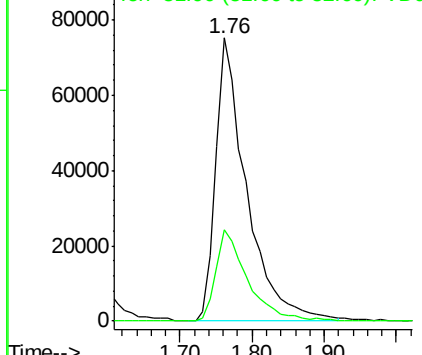
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 41.402 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061695.D

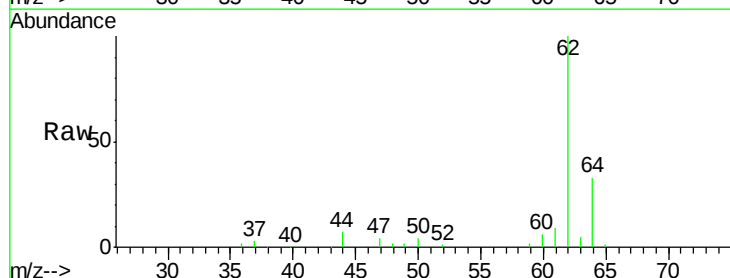
Acq: 10 Apr 2019 2:03

Tgt Ion: 62 Resp: 206711

Ion Ratio Lower Upper

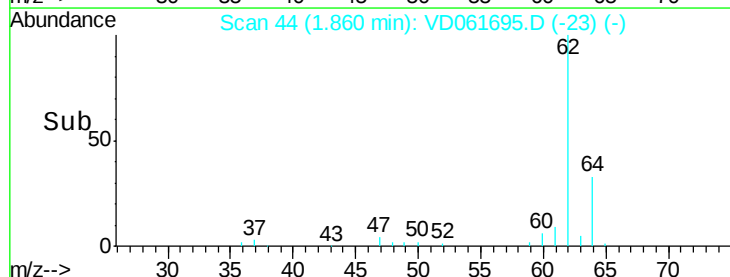
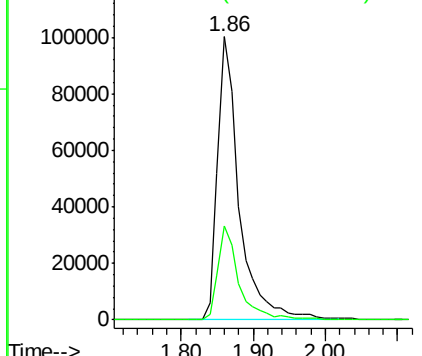
62 100

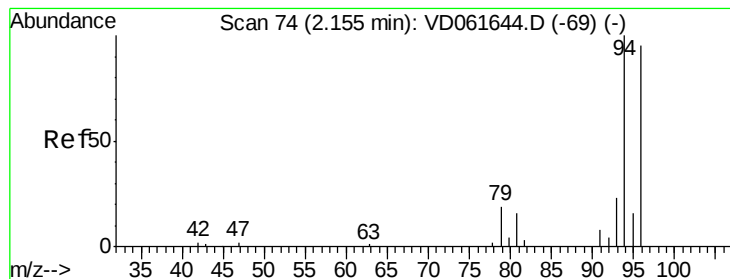
64 33.2 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 43.383 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.01 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

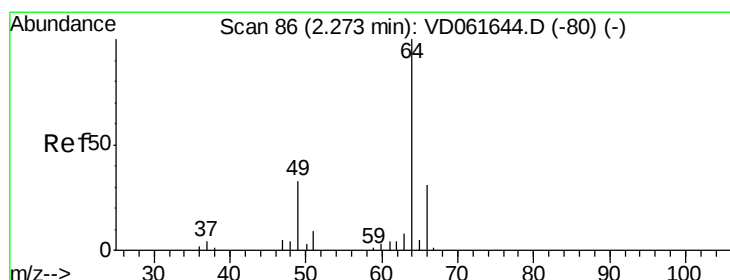
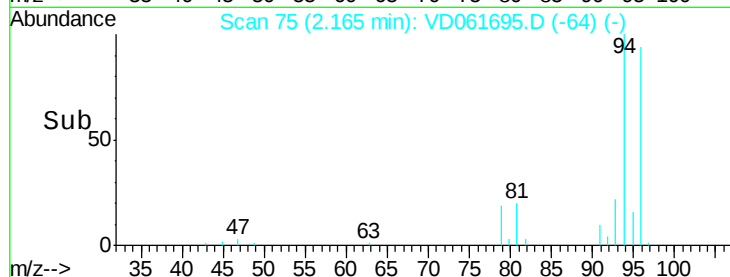
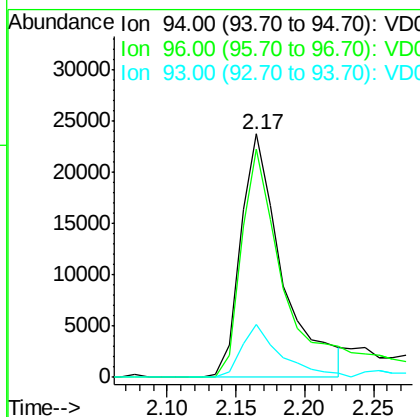
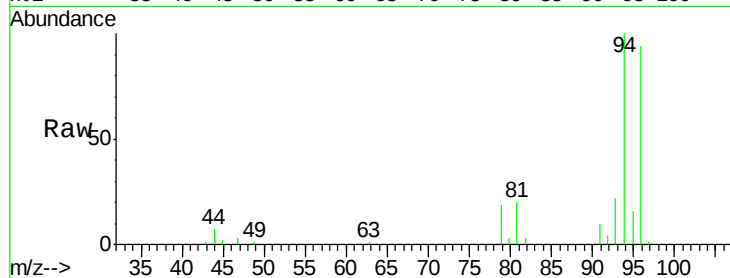
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	50134
Ion	Ratio	Lower	Upper
94	100		
96	93.7	75.8	113.8
93	21.8	18.6	28.0

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#6

Chloroethane

Concen: 52.624 ug/l

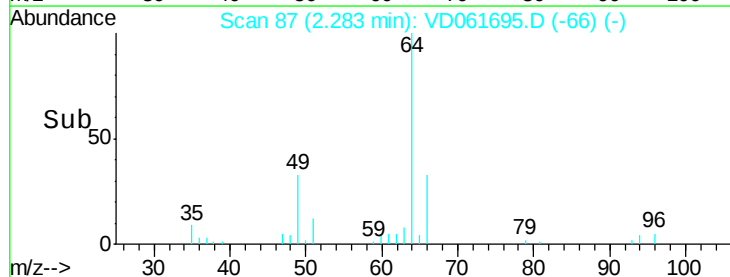
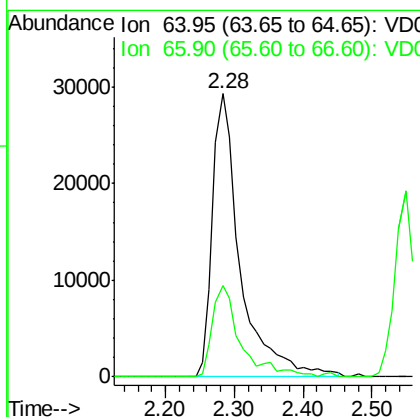
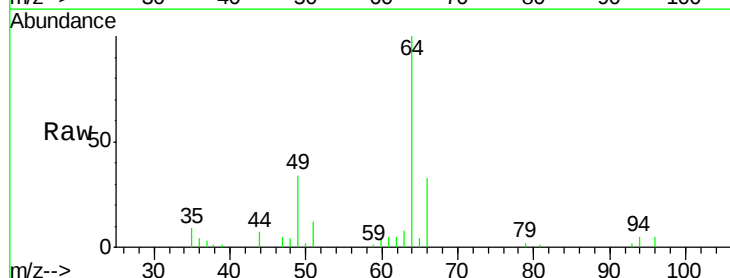
RT: 2.28 min Scan# 87

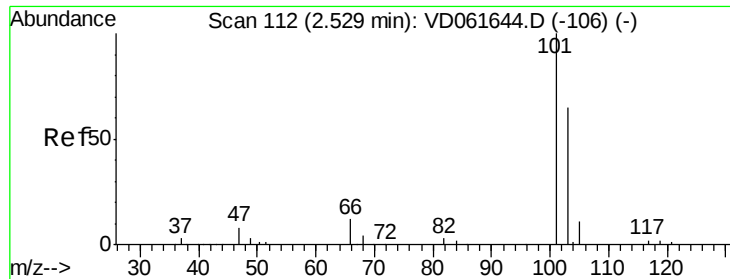
Delta R.T. 0.01 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Tgt Ion:	64	Resp:	82294
Ion	Ratio	Lower	Upper
64	100		
66	32.5	24.9	37.3





#7

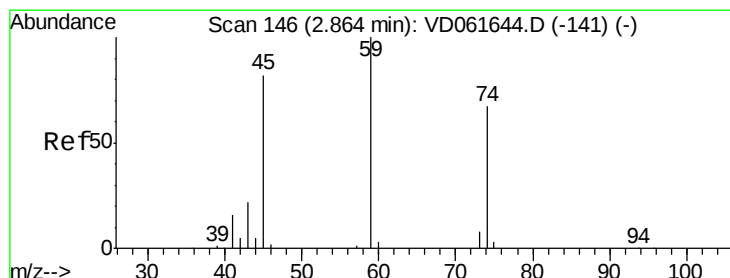
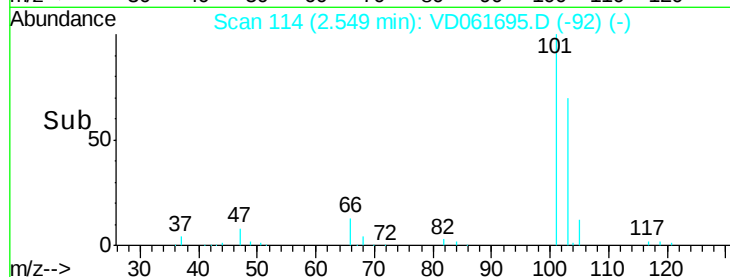
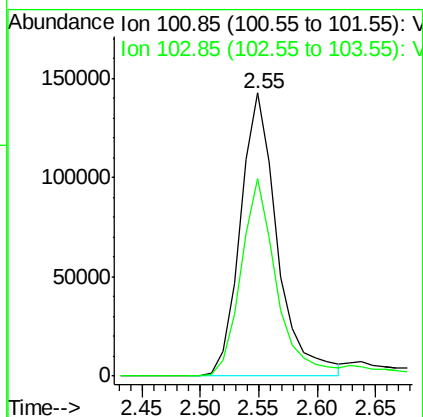
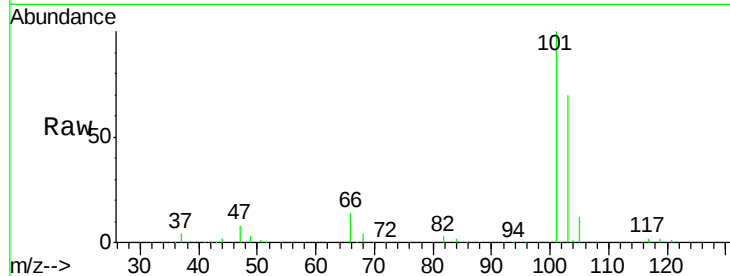
Trichlorofluoromethane
Concen: 41.403 ug/l
RT: 2.55 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.8	52.0	78.0

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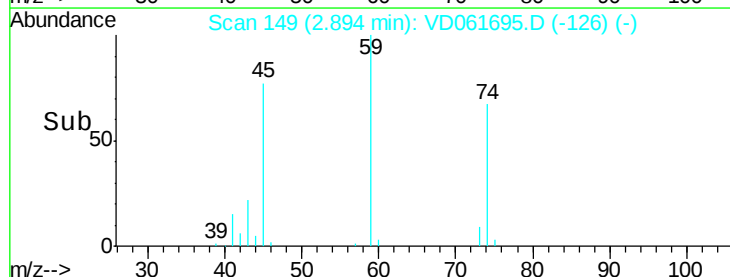
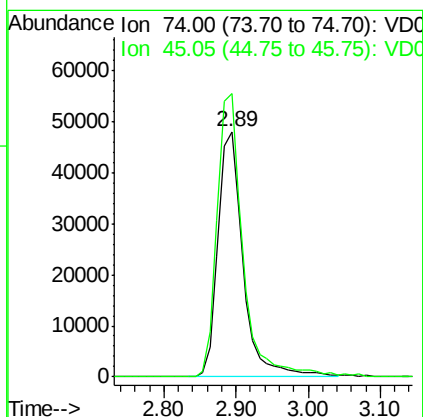
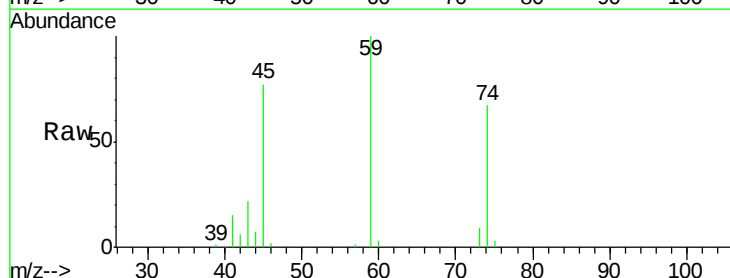
MMDadoda
4/11/2019 3:00:09 AM

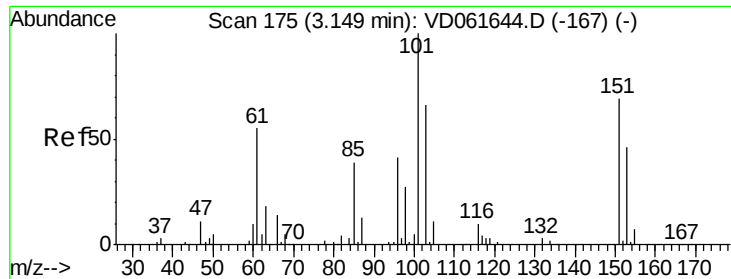


#8

Diethyl Ether
Concen: 54.710 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.03 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.5	61.0	183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.601 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.02 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

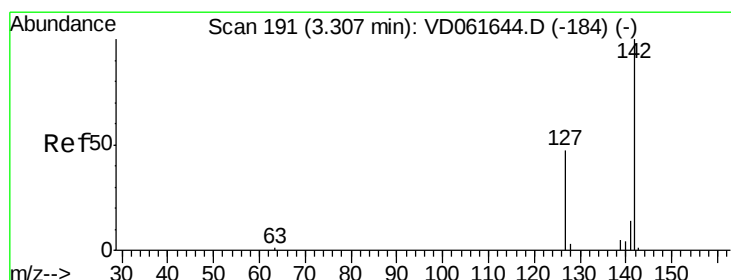
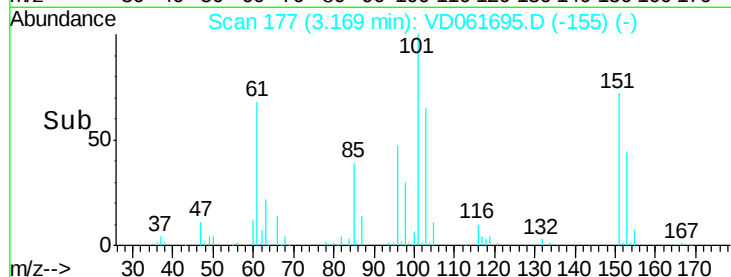
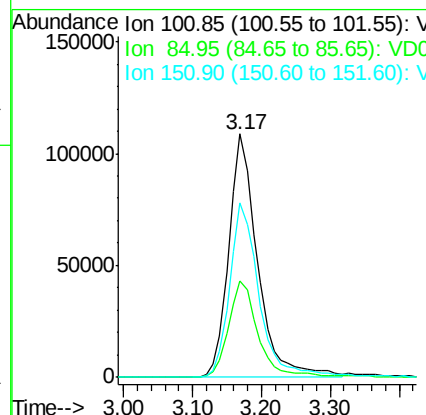
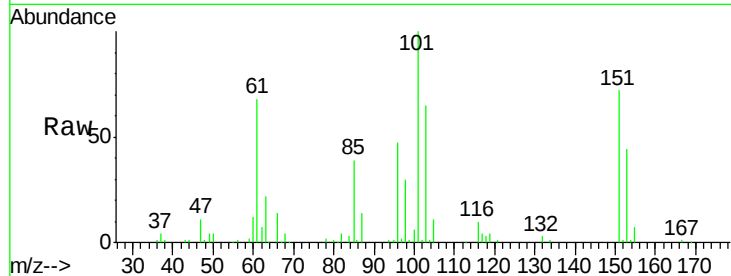
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	315737
Ion Ratio	Lower	Upper	
101	100		
85	39.4	31.0	46.6
151	71.5	55.3	82.9

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#10

Methyl Iodide

Concen: 46.702 ug/l

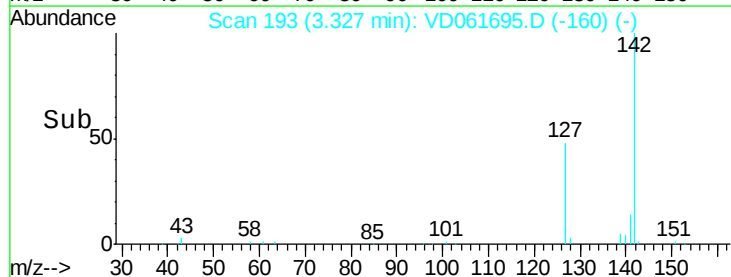
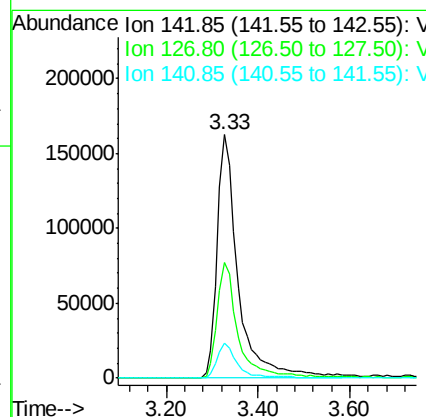
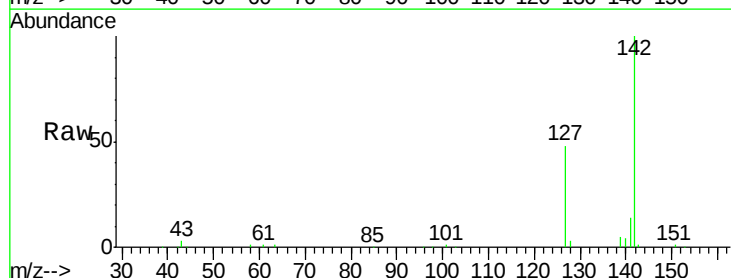
RT: 3.33 min Scan# 193

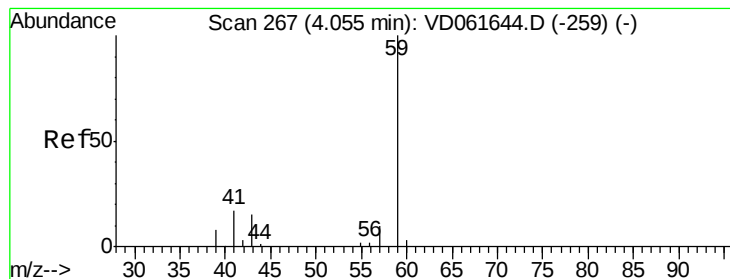
Delta R.T. 0.02 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Tgt Ion:	142	Resp:	513288
Ion Ratio	Lower	Upper	
142	100		
127	47.7	37.2	55.8
141	14.4	10.8	16.2





#11

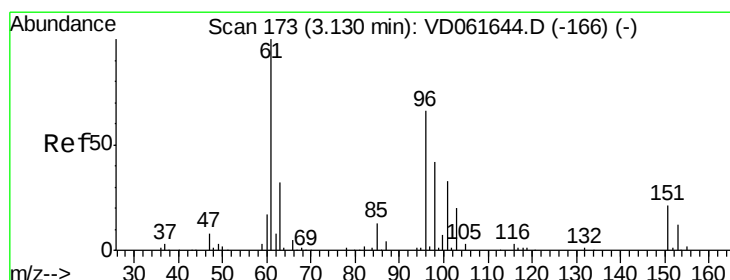
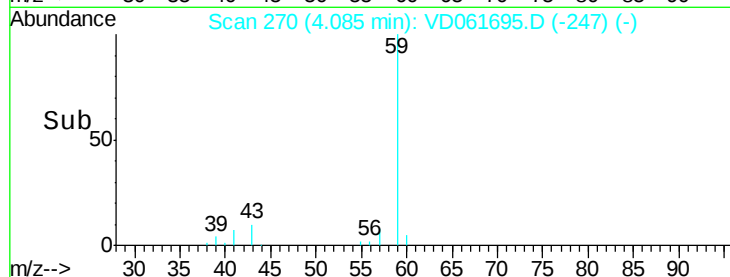
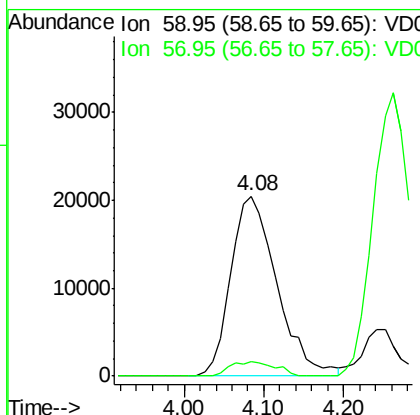
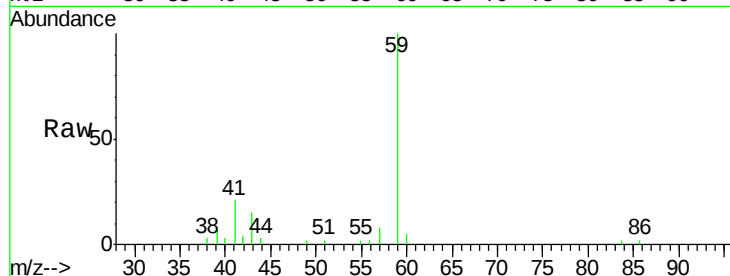
Tert butyl alcohol
 Concen: 264.336 ug/l
 RT: 4.08 min Scan# 270
 Delta R.T. 0.03 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.8	8.4	12.6#

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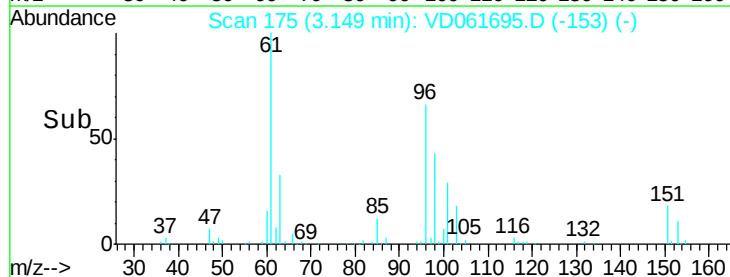
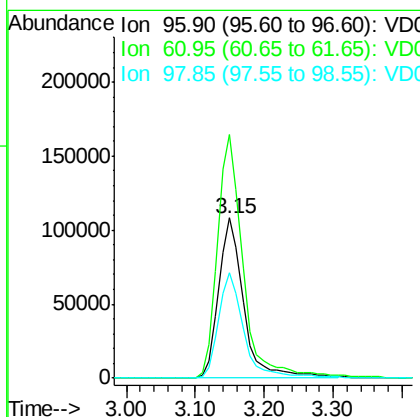
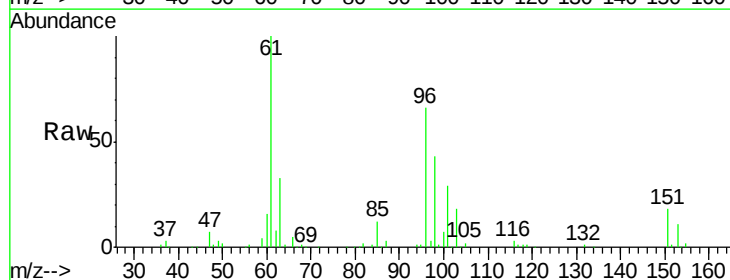
MMDadoda
 4/11/2019 3:00:09 AM

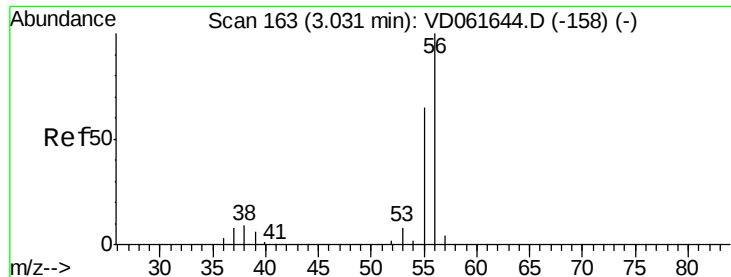


#12

1,1-Dichloroethene
 Concen: 42.928 ug/l
 RT: 3.15 min Scan# 175
 Delta R.T. 0.02 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.2	121.3	181.9
98	65.6	50.6	76.0





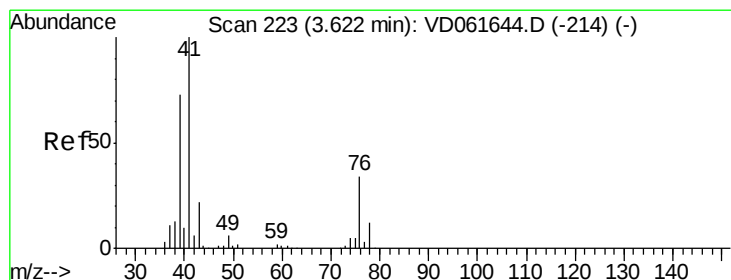
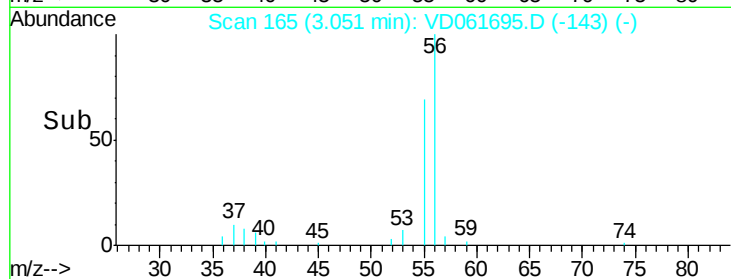
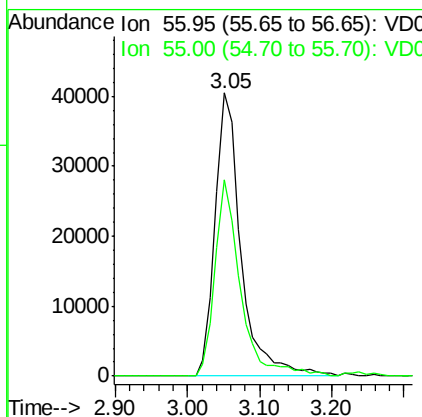
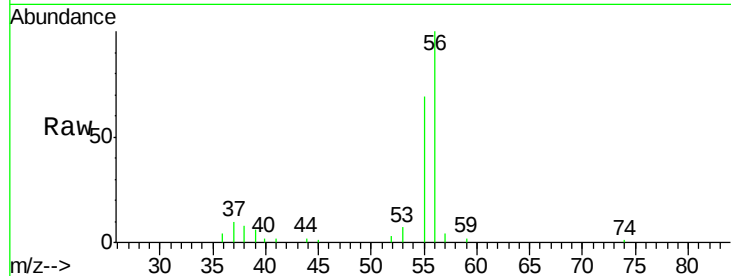
#13
Acrolein
Concen: 264.488 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.2	51.8	77.6

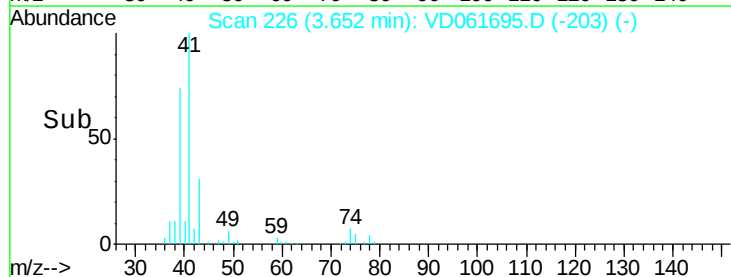
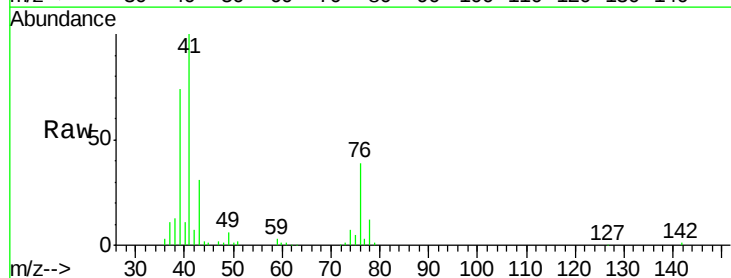
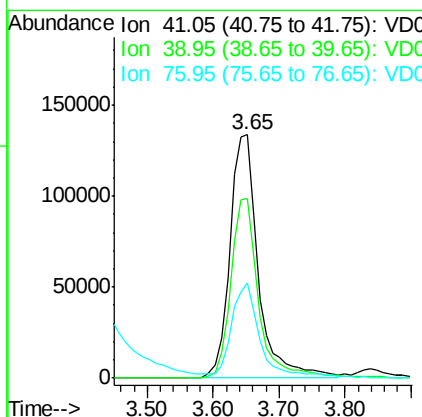
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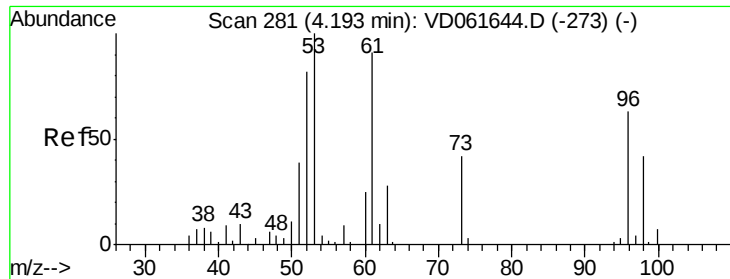
MMDadoda
4/11/2019 3:00:09 AM



#14
Allyl chloride
Concen: 46.576 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.8	58.2	87.4
76	39.0	29.8	44.6





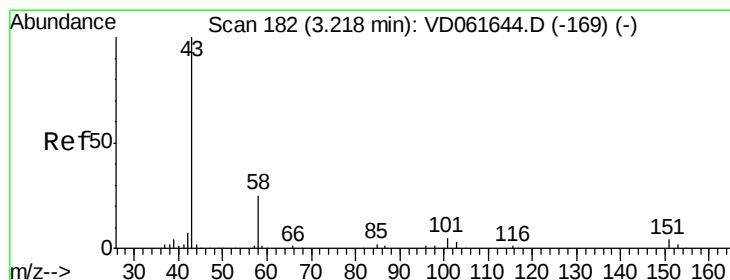
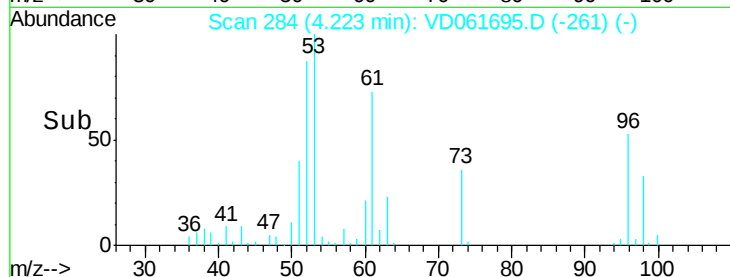
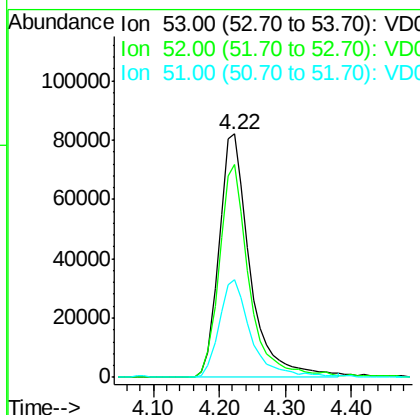
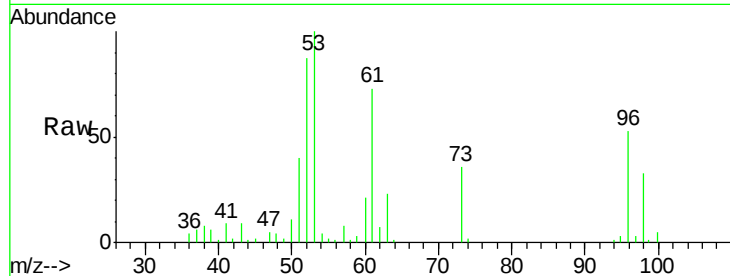
#15
 Acrylonitrile
 Concen: 251.480 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. 0.03 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	87.3	65.9	98.9
51	40.2	31.4	47.2

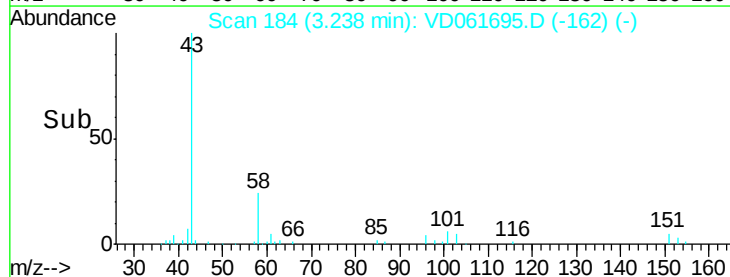
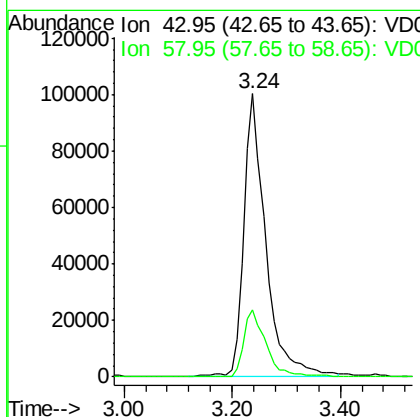
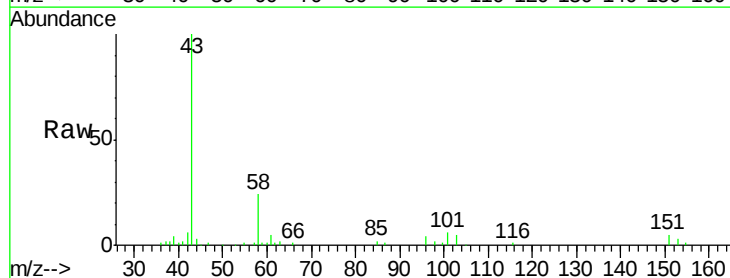
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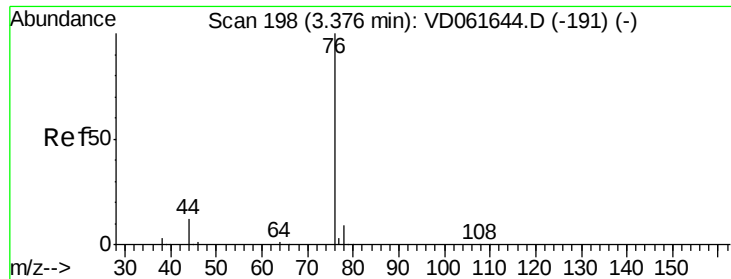
MMDadoda
 4/11/2019 3:00:09 AM



#16
 Acetone
 Concen: 204.393 ug/l
 RT: 3.24 min Scan# 184
 Delta R.T. 0.02 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	23.9	19.7	29.5





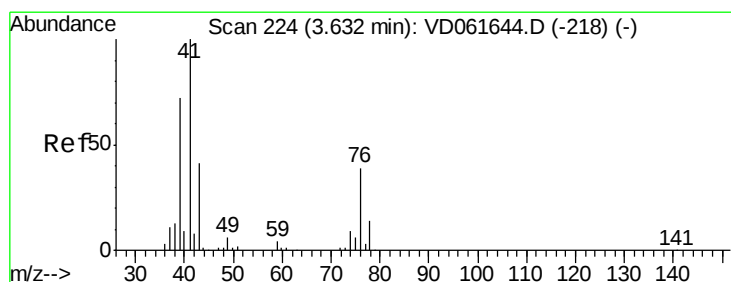
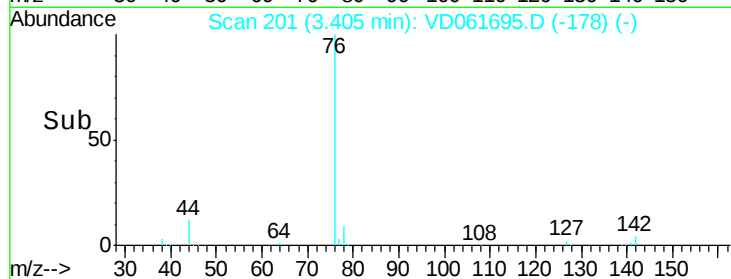
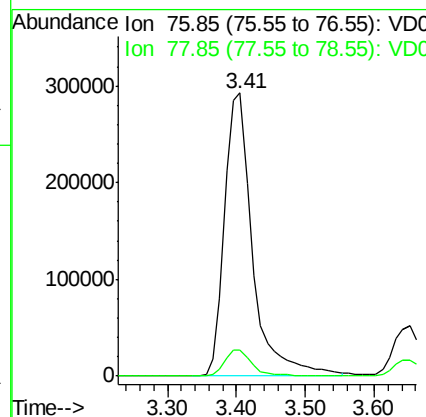
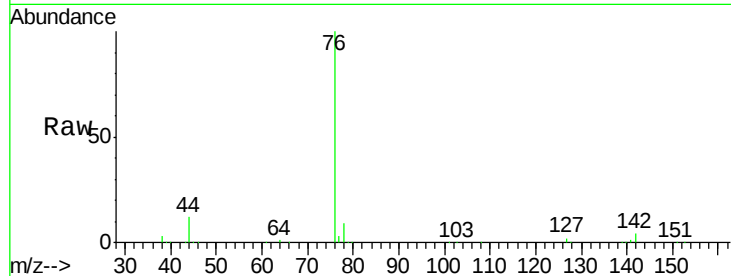
#17
Carbon Disulfide
Concen: 40.026 ug/l
RT: 3.41 min Scan# 201
Delta R.T. 0.03 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

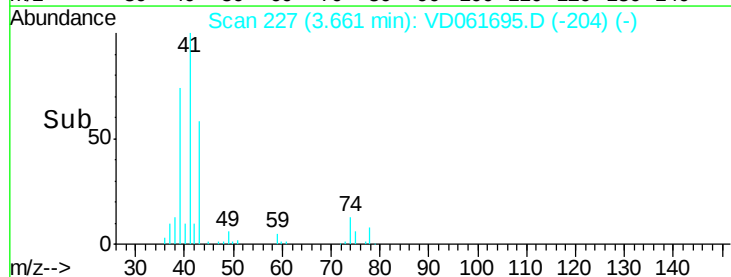
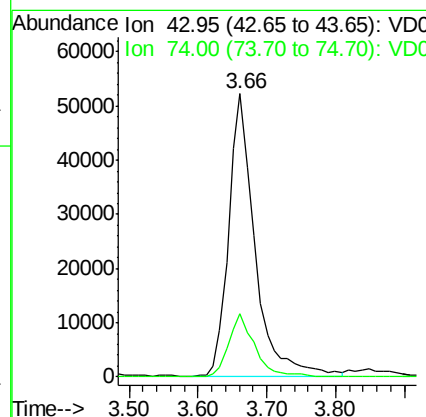
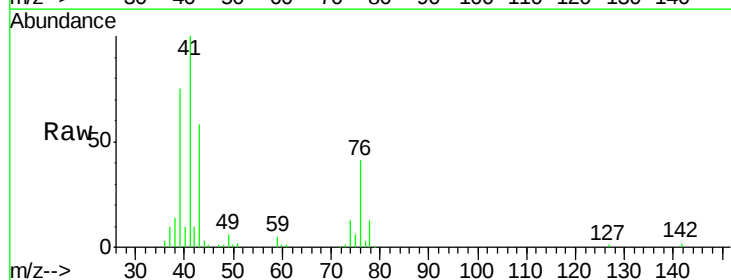
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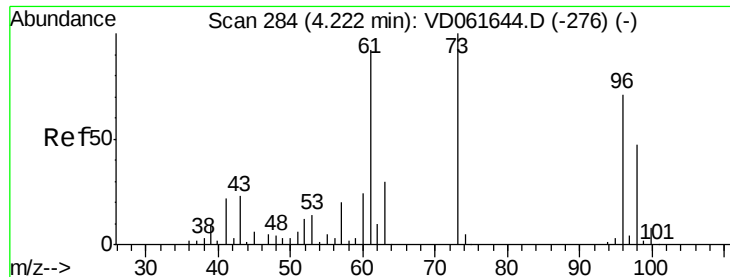
MMDadoda
4/11/2019 3:00:09 AM



#18
Methyl Acetate
Concen: 53.412 ug/l
RT: 3.66 min Scan# 227
Delta R.T. 0.03 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.2	27.2





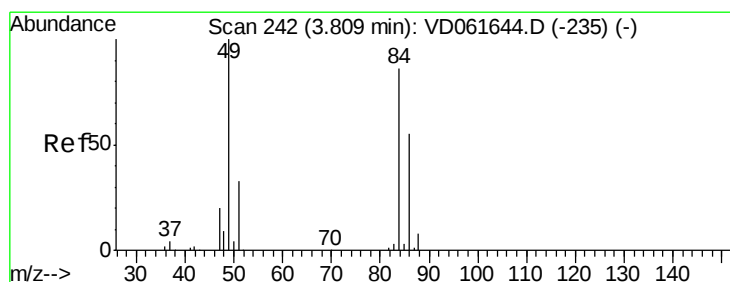
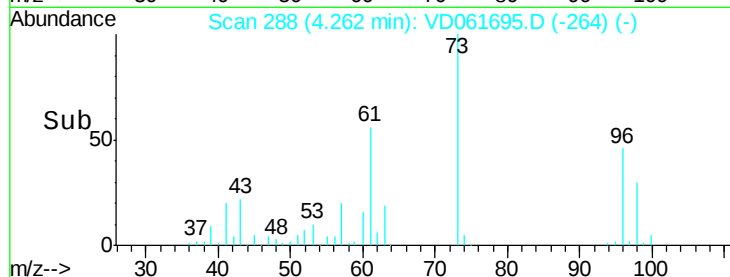
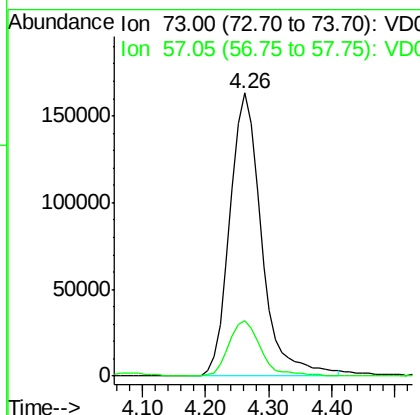
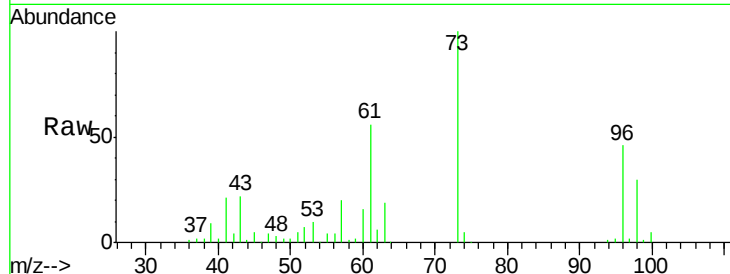
#19
Methyl tert-butyl Ether
Concen: 51.611 ug/l
RT: 4.26 min Scan# 288
Delta R.T. 0.04 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 570969
Ion Ratio Lower Upper
73 100
57 19.7 16.0 24.0

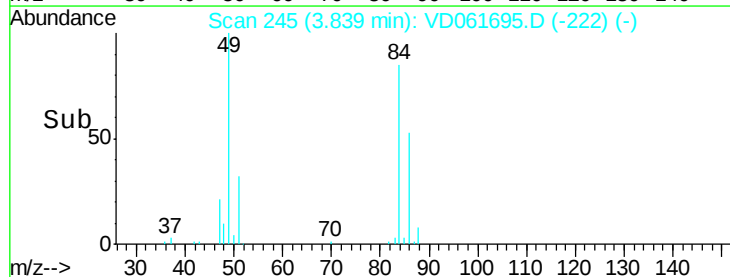
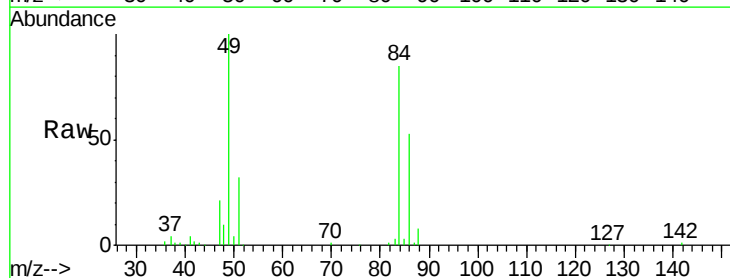
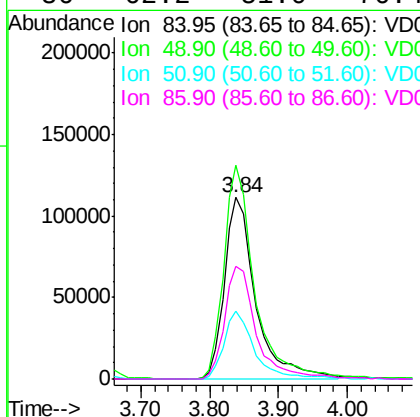
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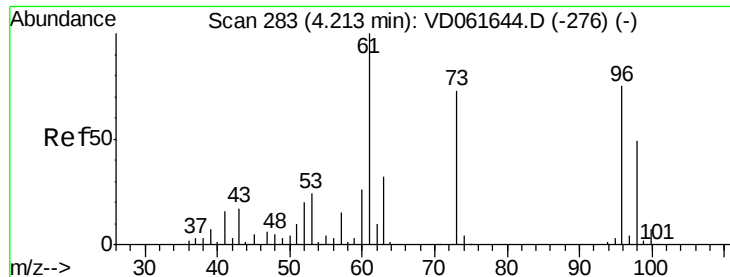
MMDadoda
4/11/2019 3:00:09 AM



#20
Methylene Chloride
Concen: 44.368 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion: 84 Resp: 349637
Ion Ratio Lower Upper
84 100
49 117.9 93.0 139.4
51 37.6 30.4 45.6
86 62.2 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 46.000 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.03 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 319208

Ion Ratio Lower Upper

96 100

61 127.4 106.8 160.2

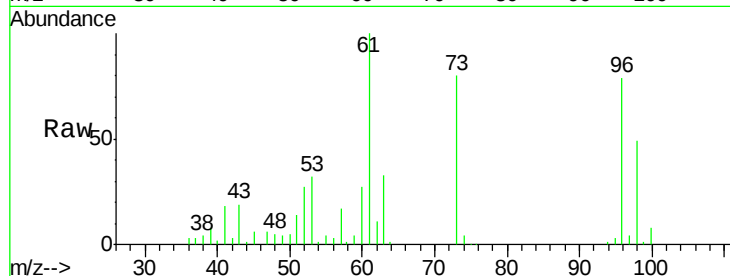
98 62.6 52.2 78.2

Manual Integrations

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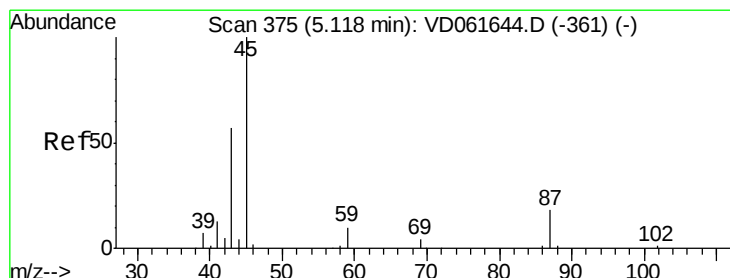
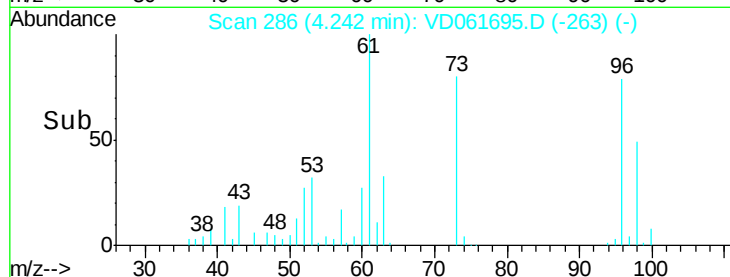
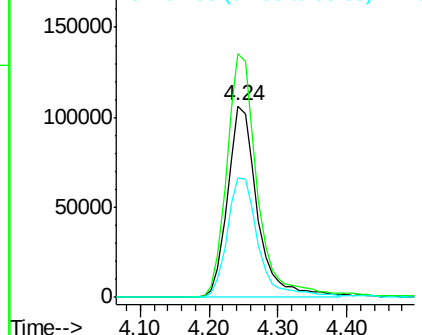
4/11/2019 3:00:09 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 51.563 ug/l

RT: 5.14 min Scan# 377

Delta R.T. 0.02 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Tgt Ion: 45 Resp: 942085

Ion Ratio Lower Upper

45 100

43 73.5 46.6 70.0#

87 21.5 15.6 23.4

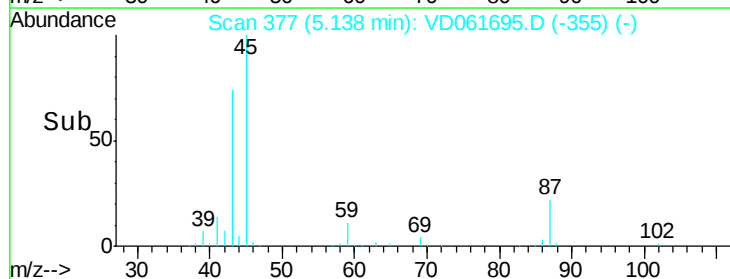
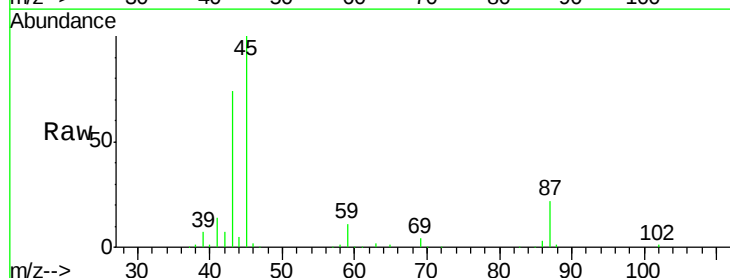
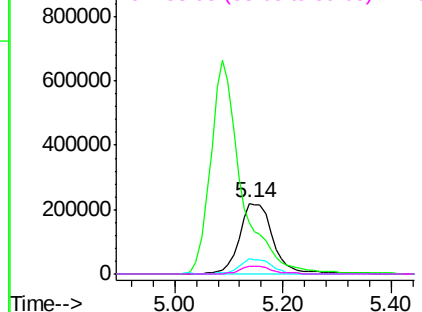
59 10.6 8.6 13.0

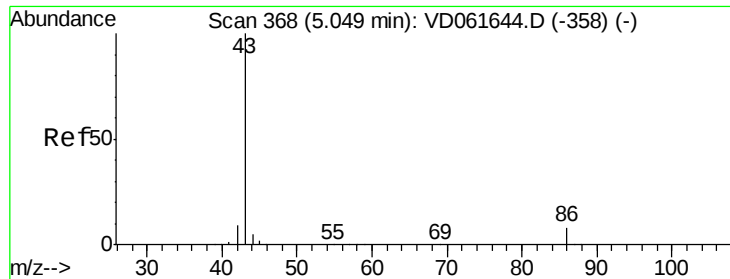
Abundance Ion 45.05 (44.75 to 45.75): VDC

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





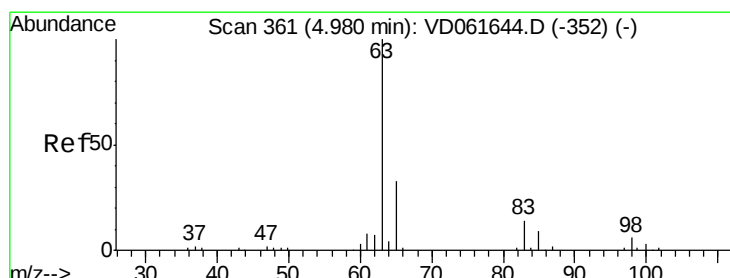
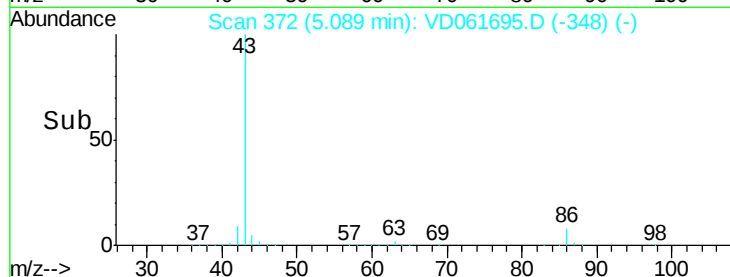
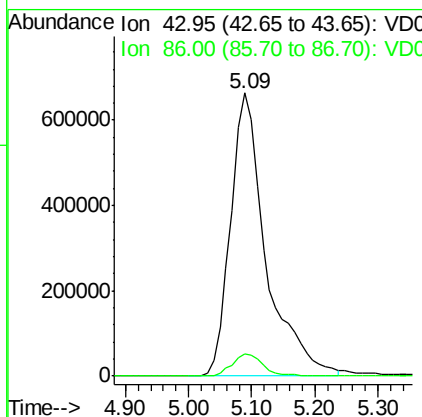
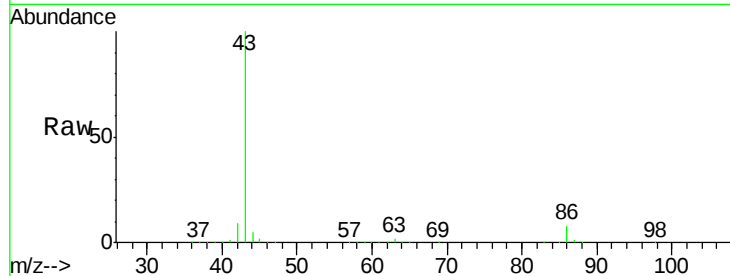
#23
 Vinyl Acetate
 Concen: 255.755 ug/l
 RT: 5.09 min Scan# 372
 Delta R.T. 0.04 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2578342
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.4 9.6

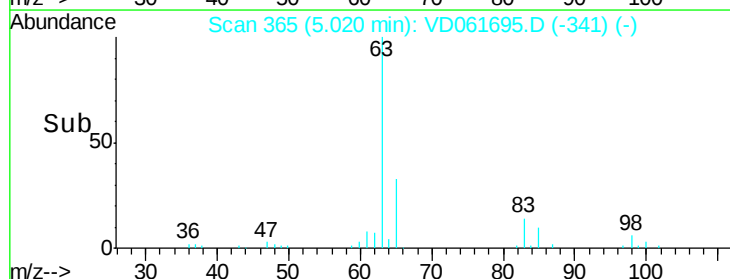
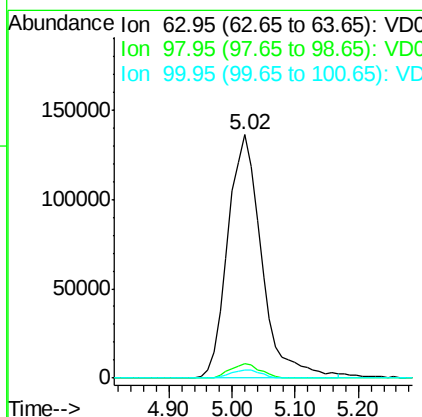
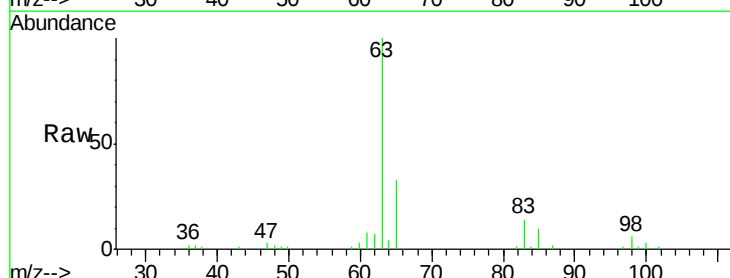
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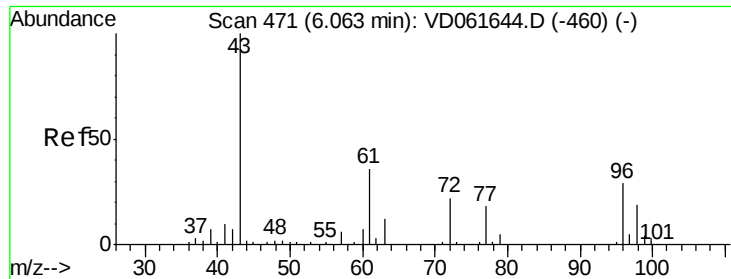
MMDadoda
 4/11/2019 3:00:09 AM



#24
 1,1-Dichloroethane
 Concen: 45.287 ug/l
 RT: 5.02 min Scan# 365
 Delta R.T. 0.04 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Tgt Ion: 63 Resp: 507035
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.6
 100 3.4 1.7 5.1





#25

2-Butanone

Concen: 243.951 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.03 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 390557

Ion Ratio Lower Upper

43 100

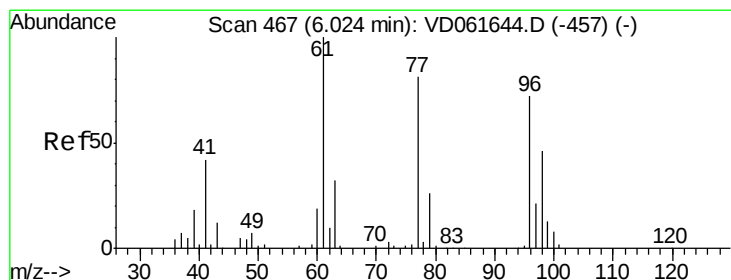
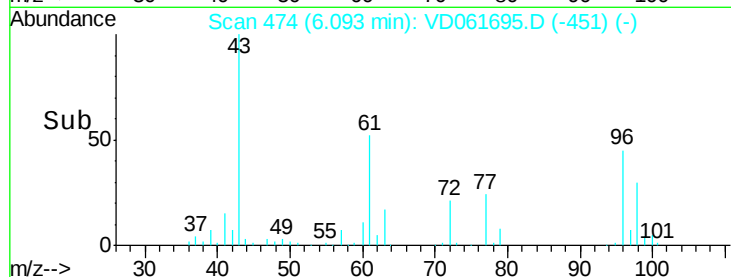
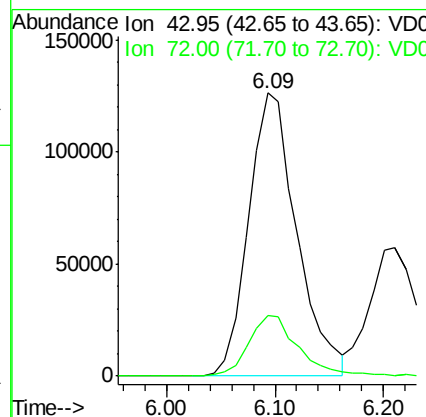
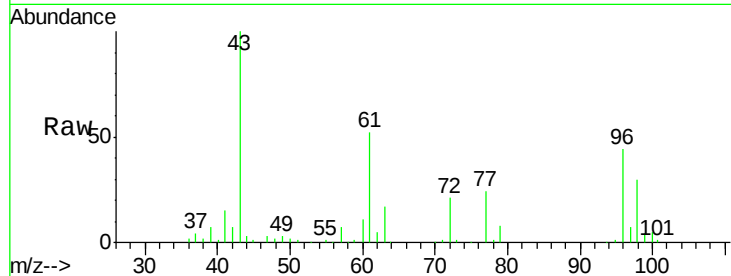
72 21.3 17.4 26.2

Manual Integrations

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MMDadoda

4/11/2019 3:00:09 AM



#26

2,2-Dichloropropane

Concen: 44.087 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.03 min

Lab File: VD061695.D

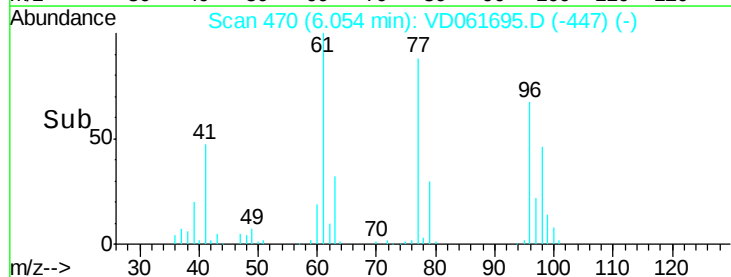
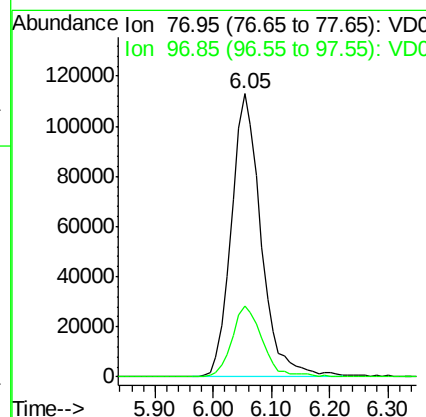
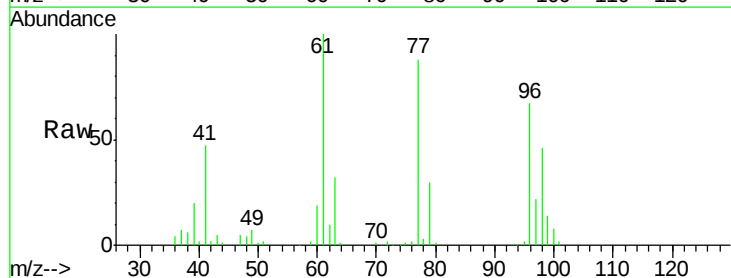
Acq: 10 Apr 2019 2:03

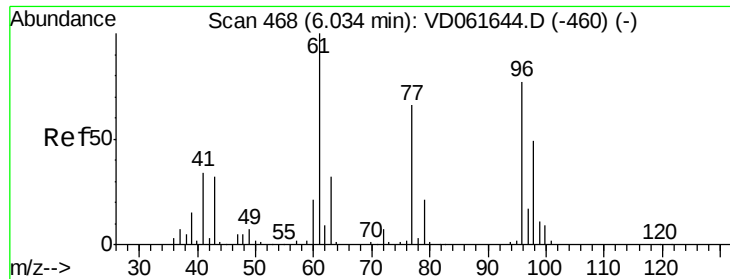
Tgt Ion: 77 Resp: 401917

Ion Ratio Lower Upper

77 100

97 25.2 12.7 38.0





#27

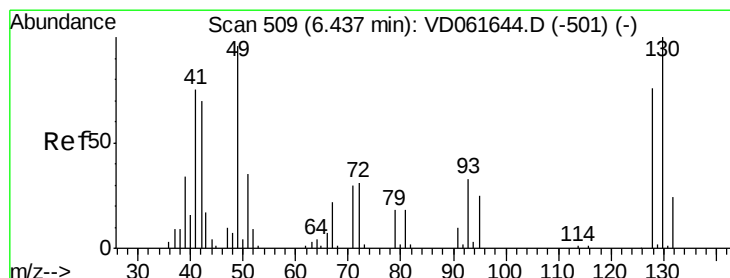
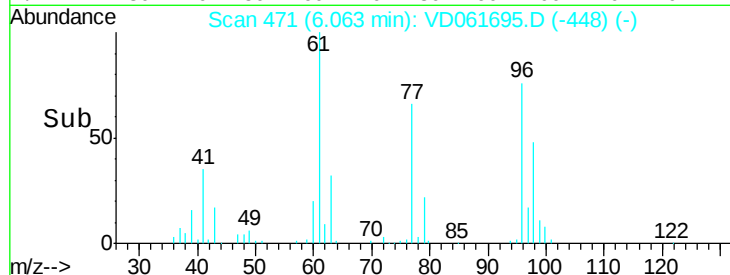
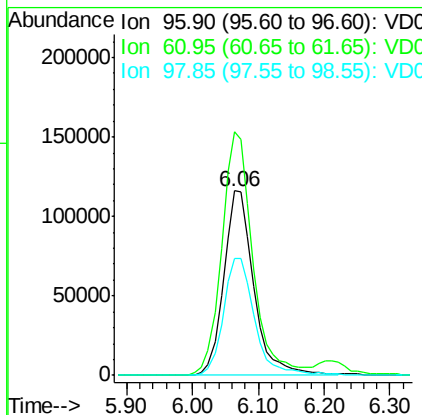
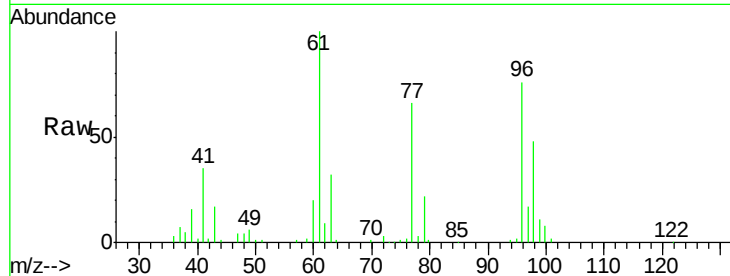
cis-1,2-Dichloroethene
Concen: 50.021 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.03 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	370305		
61	132.1	0.0	259.8	
98	63.7	0.0	127.6	

Manual Integrations
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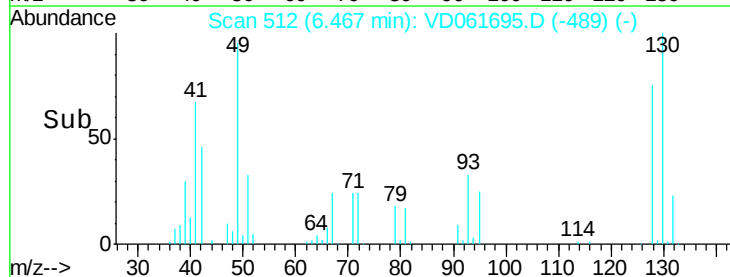
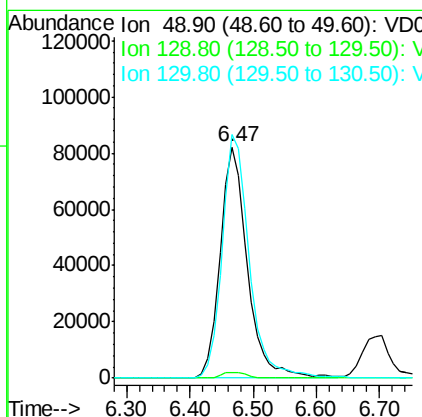
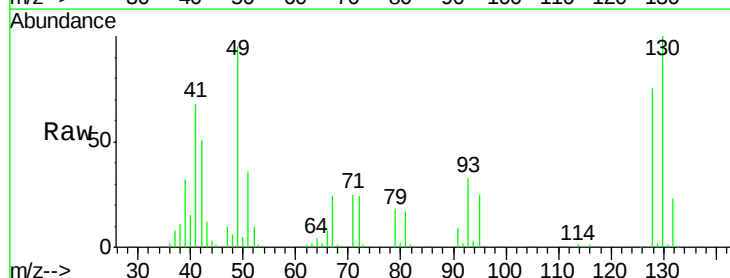
MMDadoda
4/11/2019 3:00:09 AM

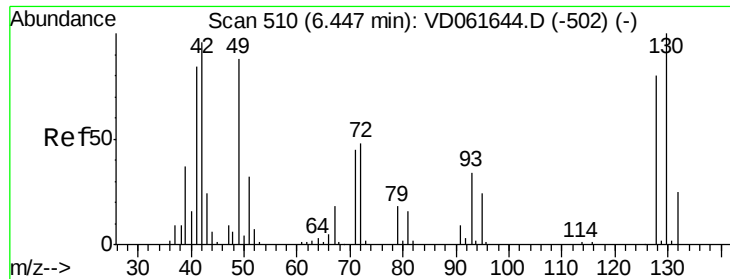


#28

Bromochloromethane
Concen: 59.606 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.03 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	246176		
129	2.4	0.0	4.0	
130	105.5	83.3	124.9	





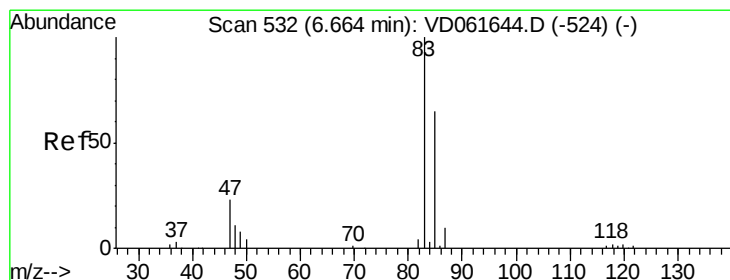
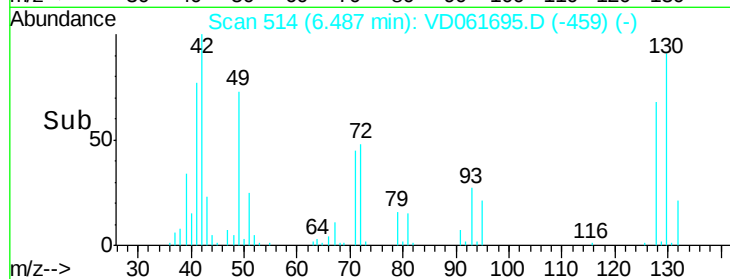
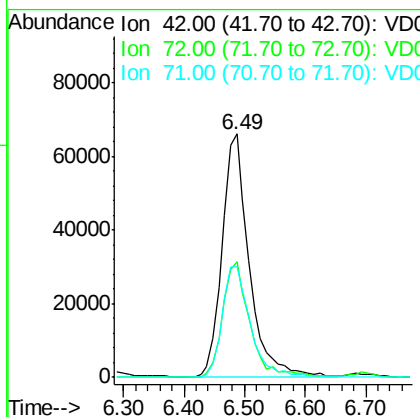
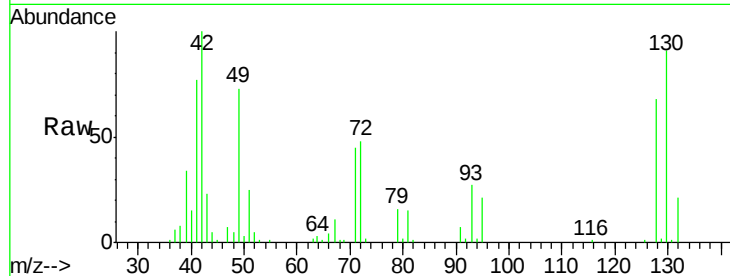
#29
Tetrahydrofuran
Concen: 266.994 ug/l
RT: 6.49 min Scan# 514
Delta R.T. 0.04 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	206344		
72	47.4		37.0	55.6
71	47.2		36.5	54.7

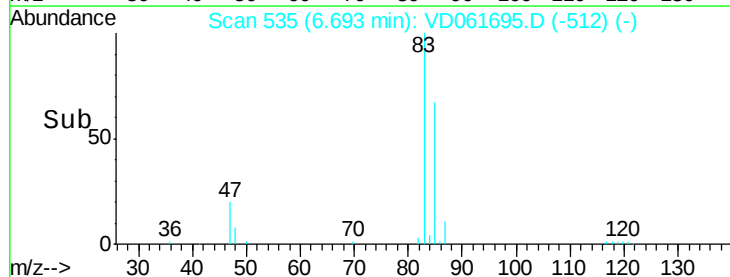
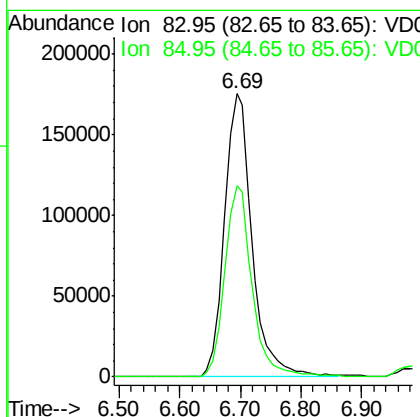
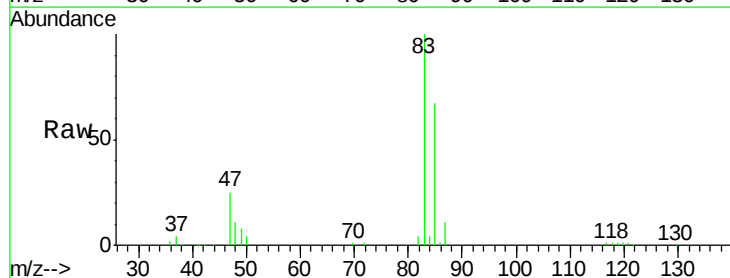
Manual Integrations
APPROVED

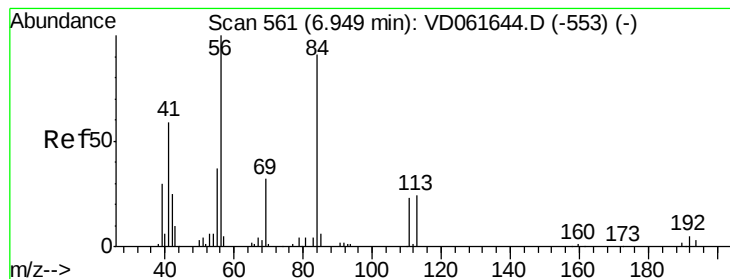
MMDadoda
4/11/2019 3:00:09 AM



#30
Chloroform
Concen: 47.164 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.03 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	553176		
85	67.4		51.9	77.9





#31

Cyclohexane

Concen: 42.403 ug/l

RT: 6.99 min Scan# 565

Delta R.T. 0.04 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

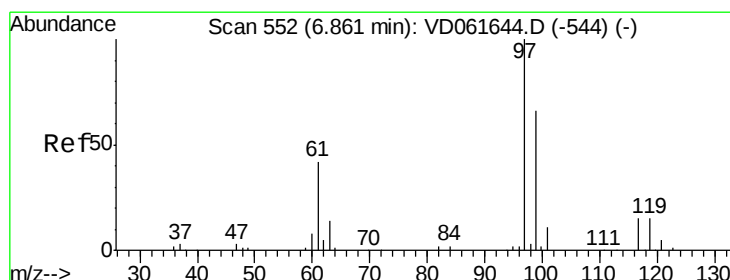
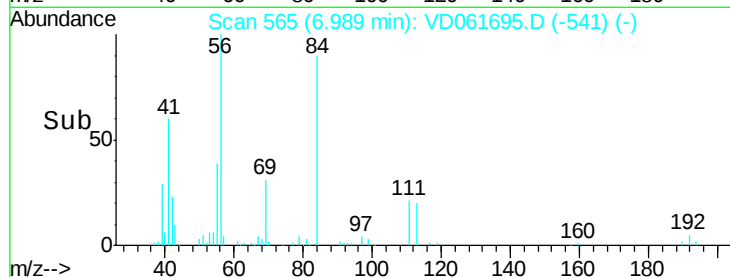
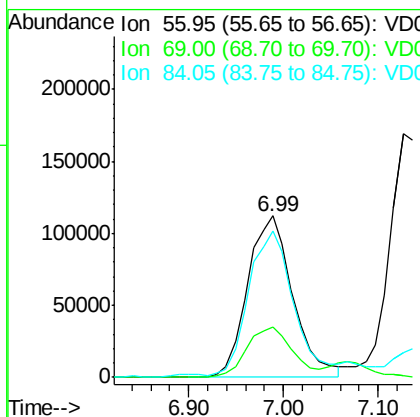
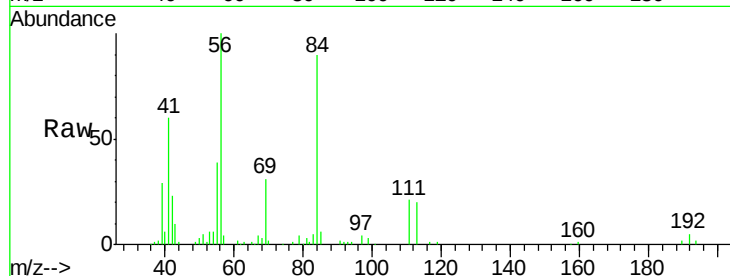
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	370882
Ion Ratio	Lower	Upper	
56	100		
69	31.4	25.8	38.6
84	90.3	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.733 ug/l

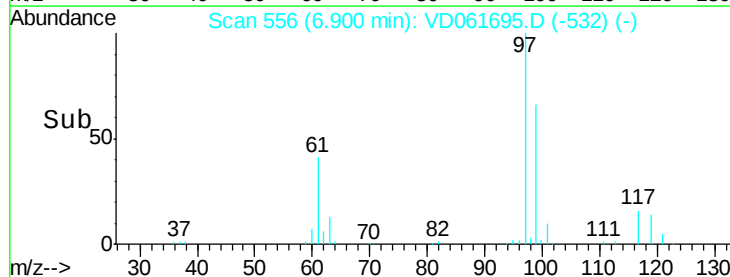
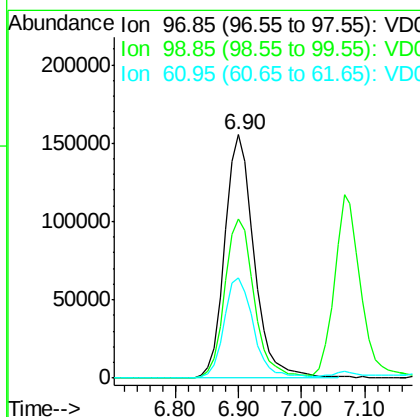
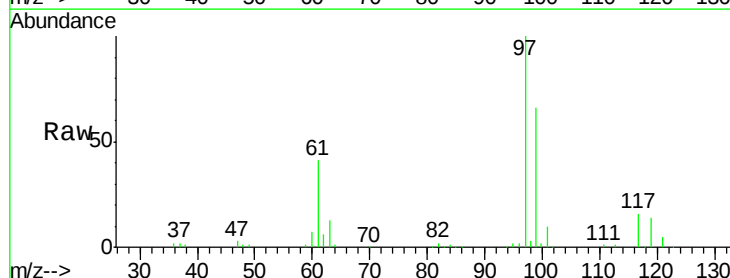
RT: 6.90 min Scan# 556

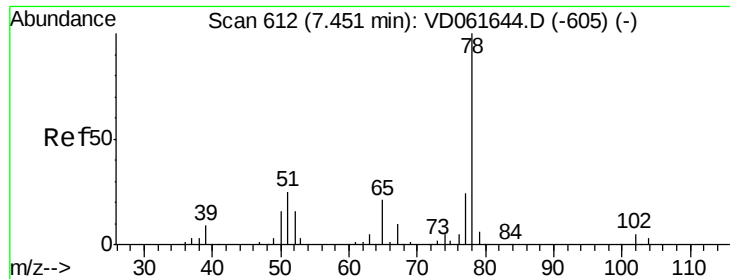
Delta R.T. 0.04 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Tgt Ion:	97	Resp:	500889
Ion Ratio	Lower	Upper	
97	100		
99	65.6	52.5	78.7
61	41.3	33.4	50.0





#33

1,2-Dichloroethane-d4

Concen: 48.733 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 234286

Ion Ratio Lower Upper

65 100

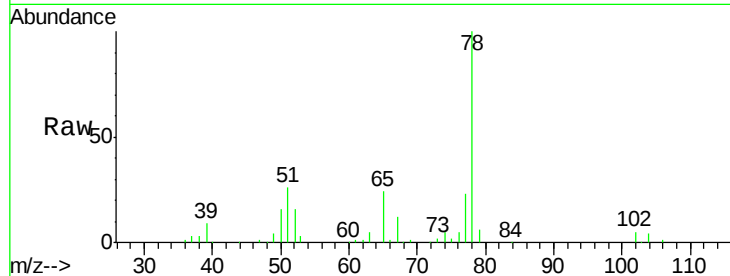
67 50.3 0.0 99.4

Manual Integrations

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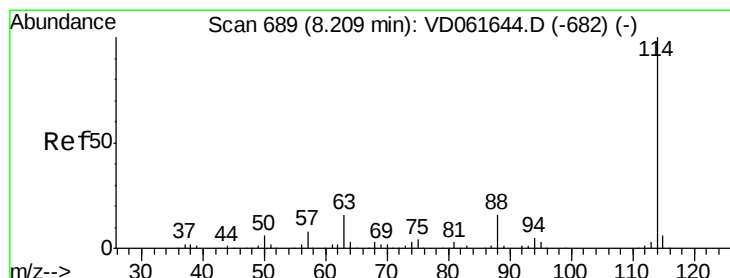
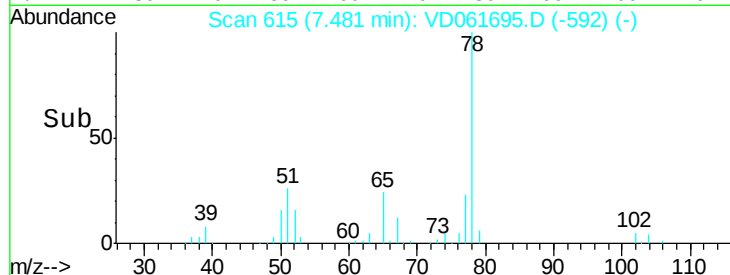
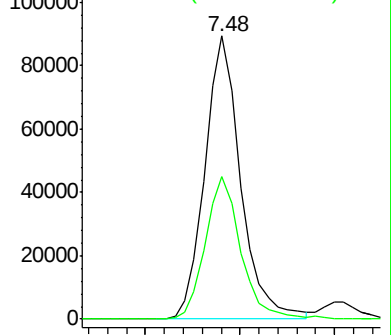
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.25 min Scan# 693

Delta R.T. 0.04 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

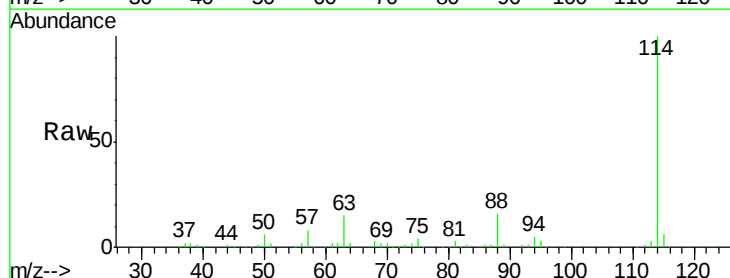
Tgt Ion: 114 Resp: 1023777

Ion Ratio Lower Upper

114 100

63 14.9 0.0 31.2

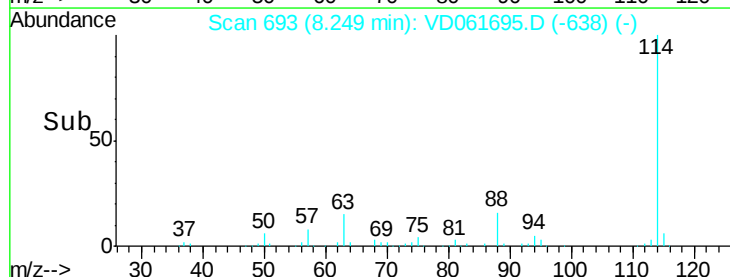
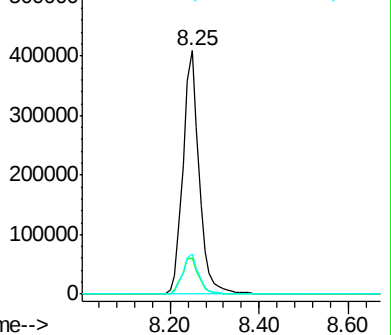
88 16.3 0.0 31.8

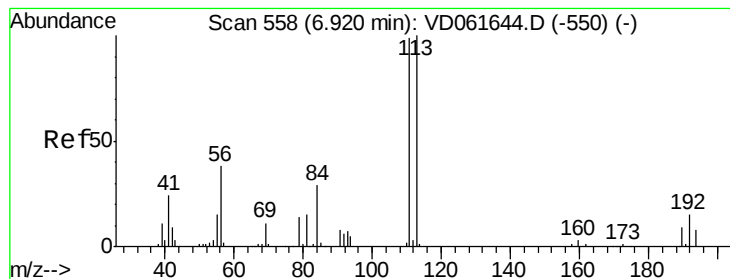


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 113 Resp: 343461

Ion Ratio Lower Upper

113 100

111 102.4 79.3 118.9

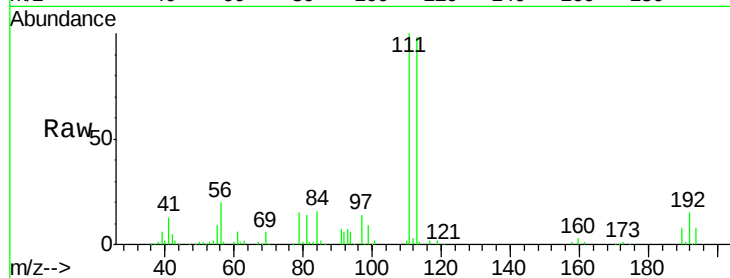
192 15.8 12.3 18.5

Manual Integrations

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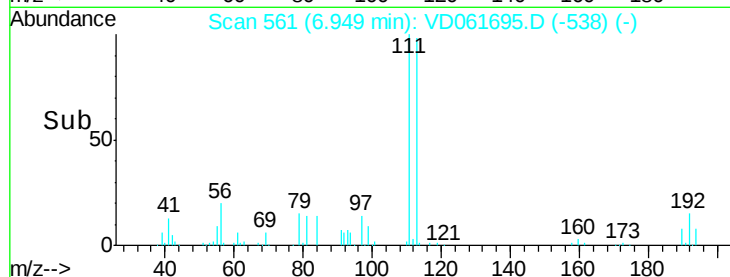


Abundance Ion 112.90 (112.60 to 113.60): V

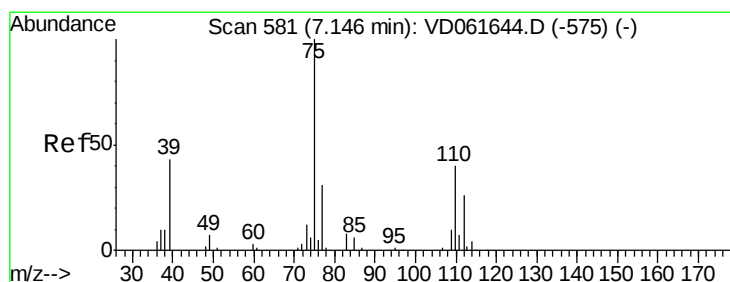
Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

6.95



Time-->



#36

1,1-Dichloropropene

Concen: 43.170 ug/l

RT: 7.18 min Scan# 584

Delta R.T. 0.03 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

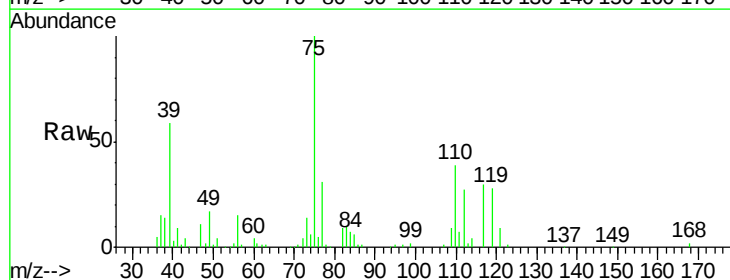
Tgt Ion: 75 Resp: 386804

Ion Ratio Lower Upper

75 100

110 39.3 19.7 59.0

77 31.2 24.8 37.2

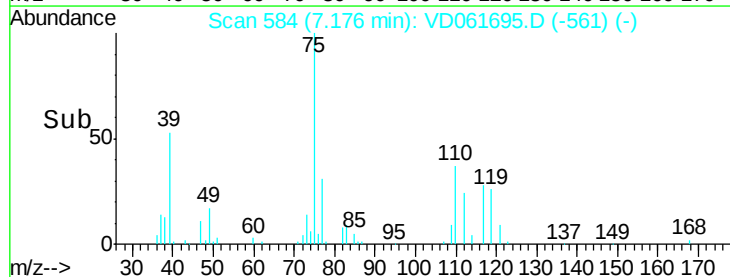


Abundance Ion 75.00 (74.70 to 75.70): VDC

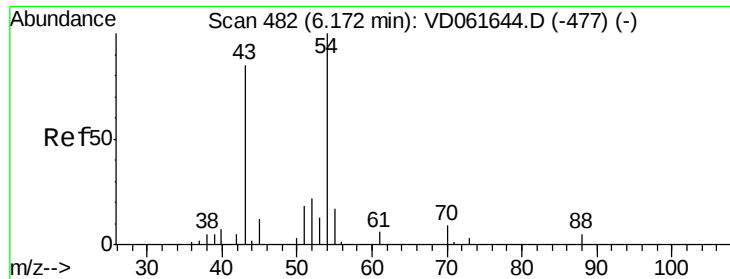
Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

7.18



Time-->



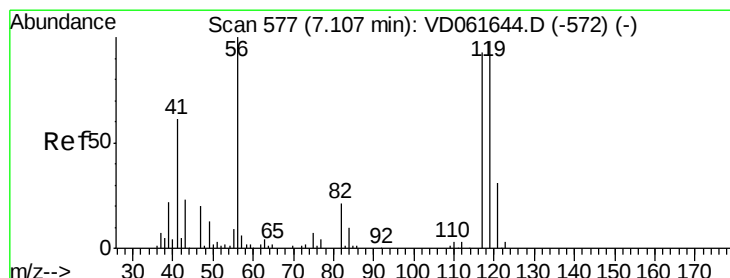
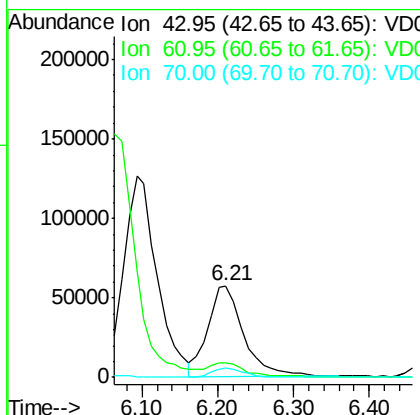
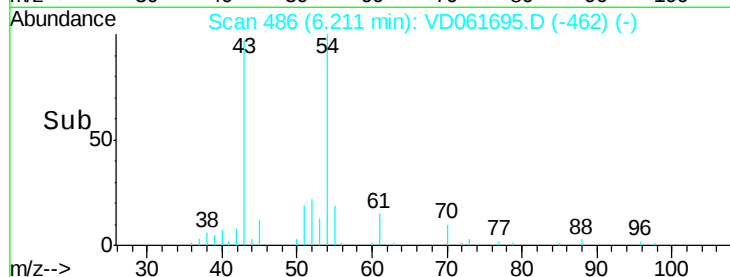
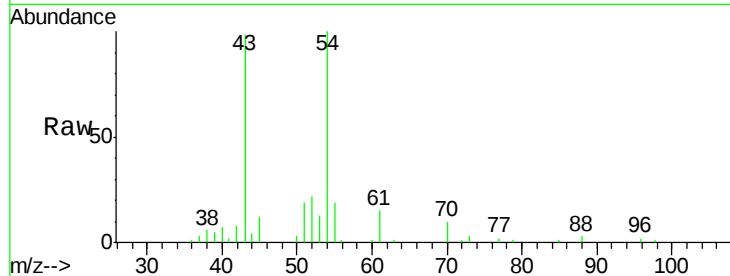
#37
Ethyl Acetate
Concen: 51.194 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.04 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	11.9	17.9
70	10.6	6.9	10.3

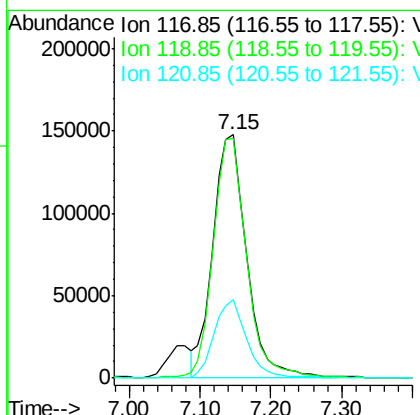
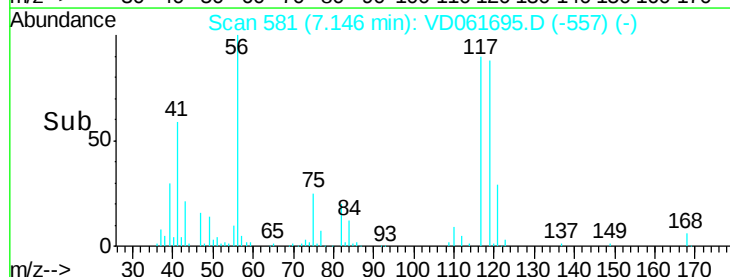
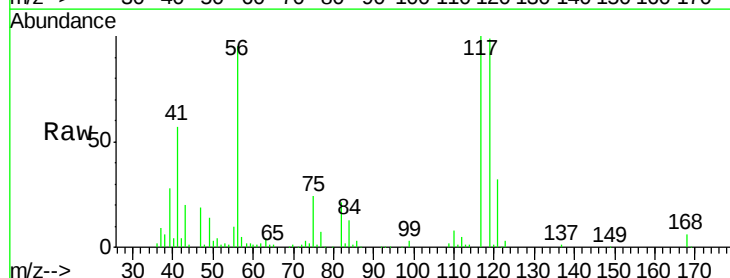
Manual Integrations
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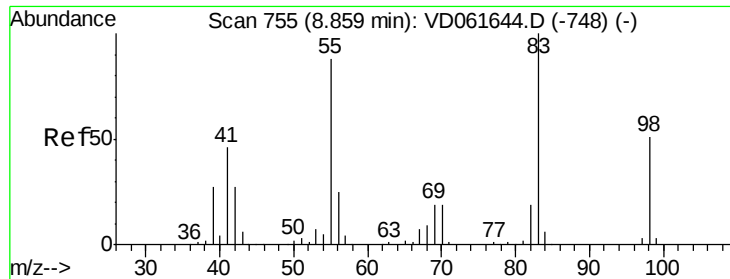
MMDadoda
4/11/2019 3:00:09 AM



#38
Carbon Tetrachloride
Concen: 46.859 ug/l m
RT: 7.15 min Scan# 581
Delta R.T. 0.04 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	77.9	116.9
121	32.4	24.7	37.1





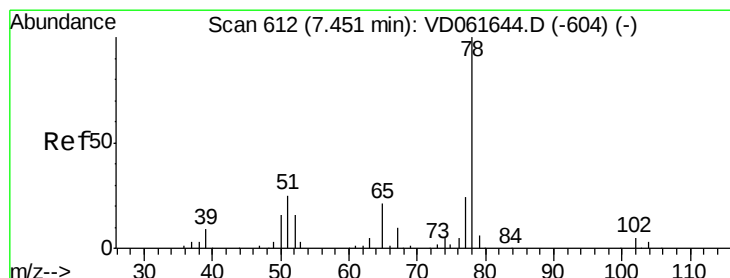
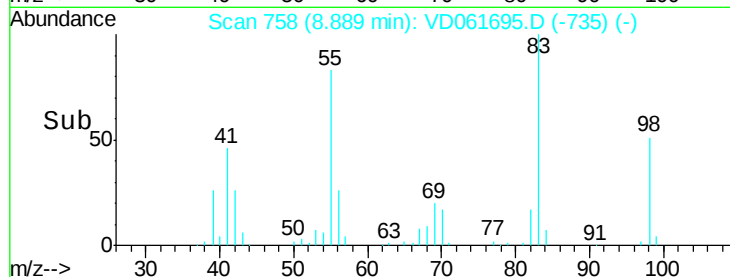
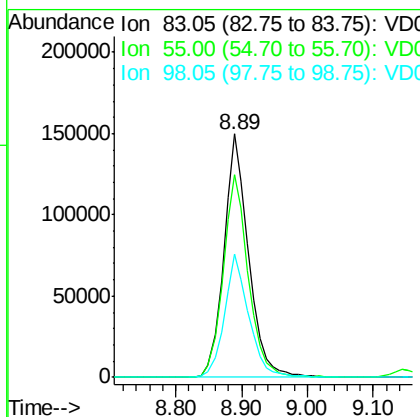
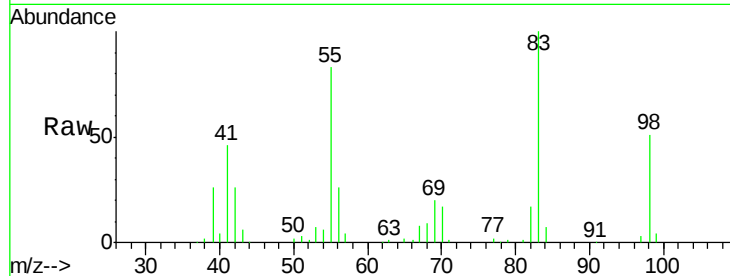
#39
Methvlcvclohexane
Concen: 42.506 ug/l
RT: 8.89 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	70.3	105.5
98	50.5	41.0	61.6

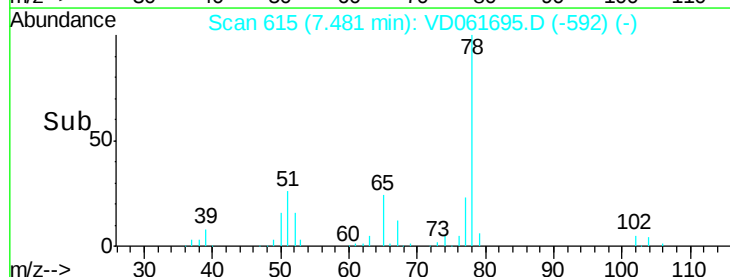
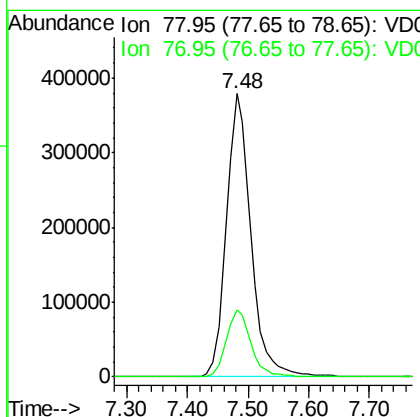
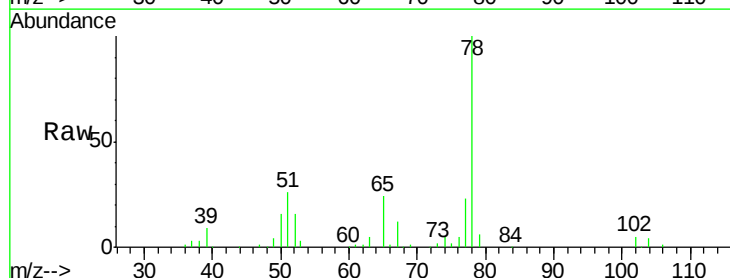
Manual Integrations
APPROVED

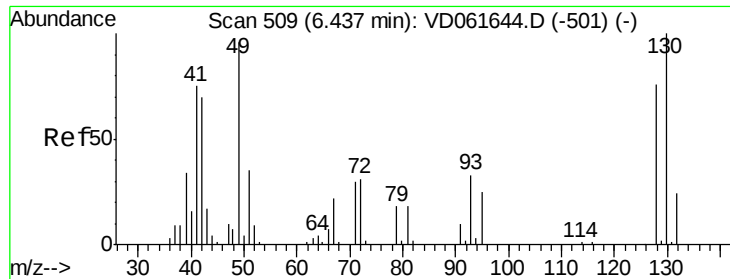
MMDadoda
4/11/2019 3:00:09 AM



#40
Benzene
Concen: 49.253 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.5	29.3





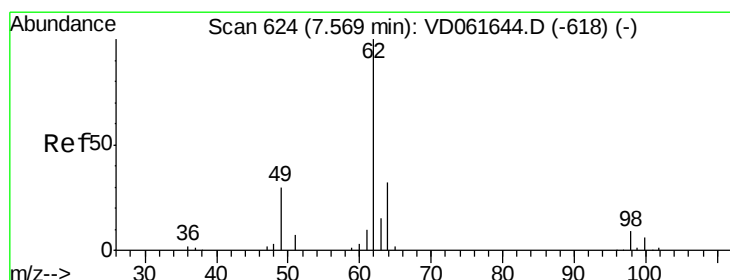
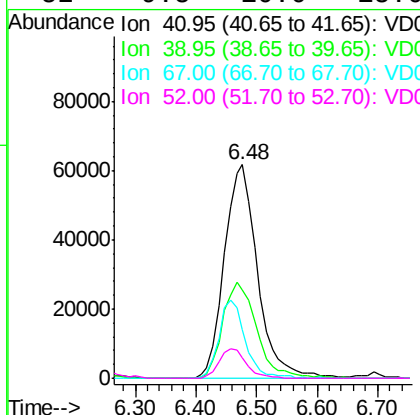
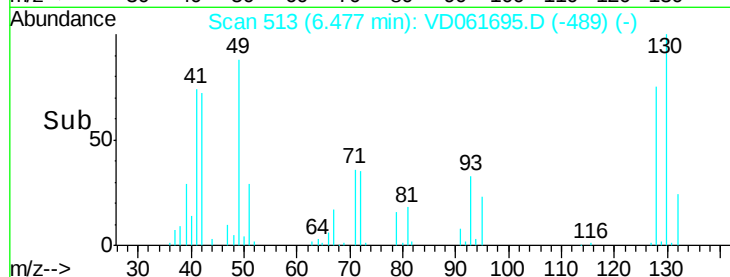
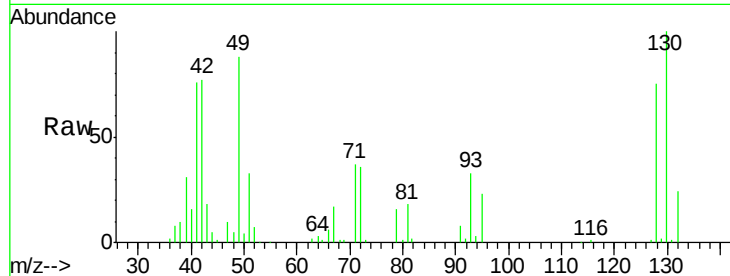
#41
Methacrylonitrile
Concen: 55.082 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.04 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	41.2	36.2	54.2	
67	22.9	23.2	34.8	
52	9.5	10.0	15.0	

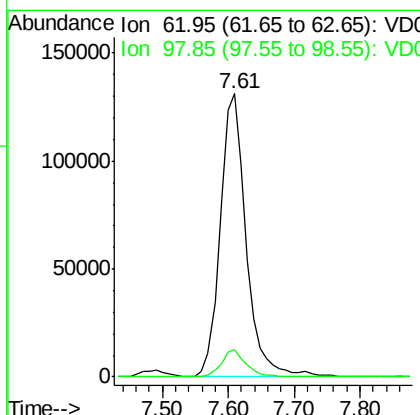
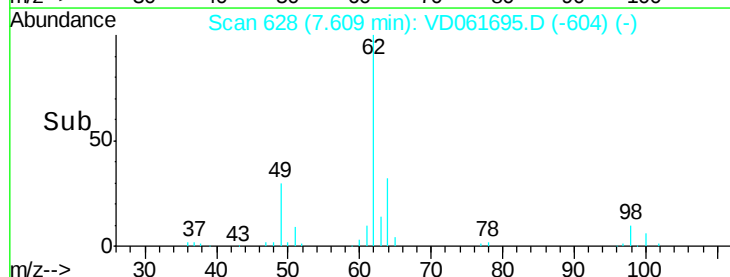
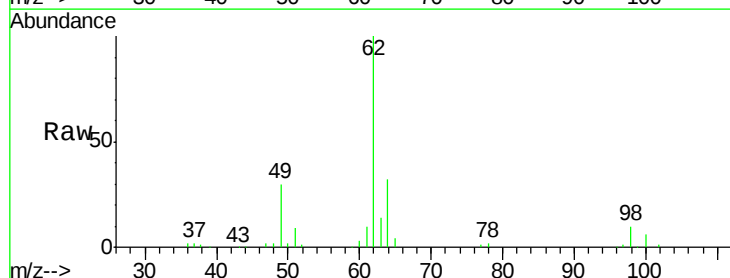
Manual Integrations
APPROVED

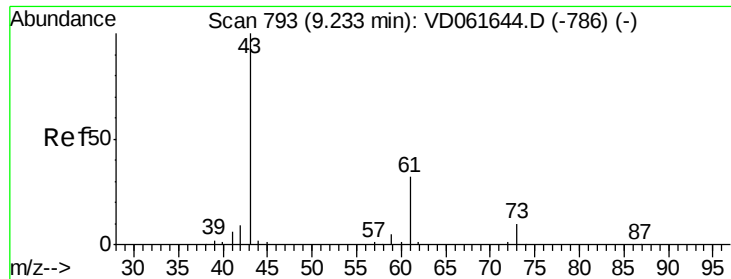
MMDadoda
4/11/2019 3:00:09 AM



#42
1,2-Dichloroethane
Concen: 52.928 ug/l
RT: 7.61 min Scan# 628
Delta R.T. 0.04 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.8	0.0	17.8	





#43

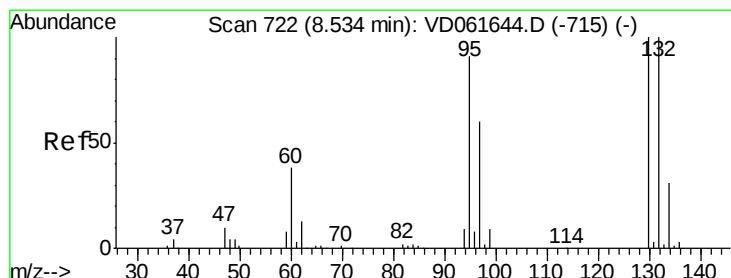
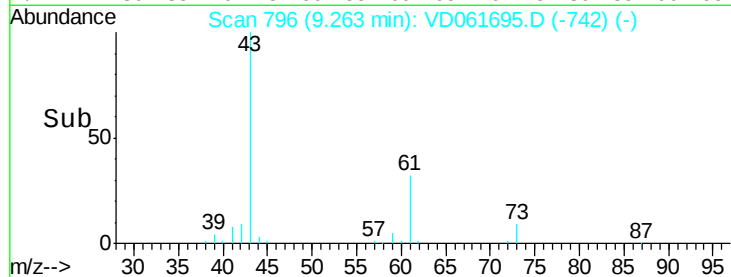
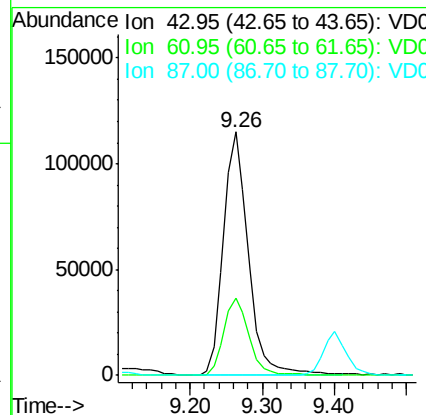
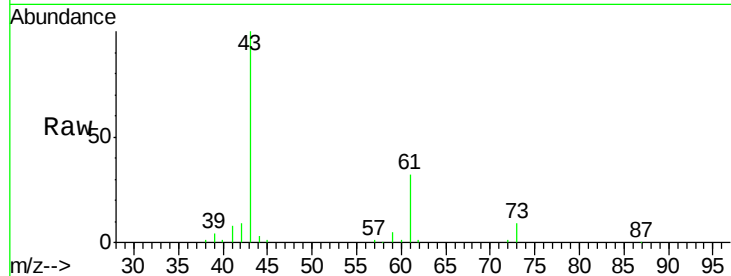
Isopropyl Acetate
 Concen: 52.151 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.03 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.6	25.9	38.9
87	0.3	0.2	0.4

Manual Integrations
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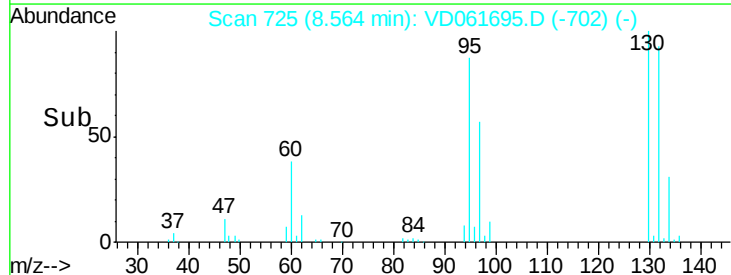
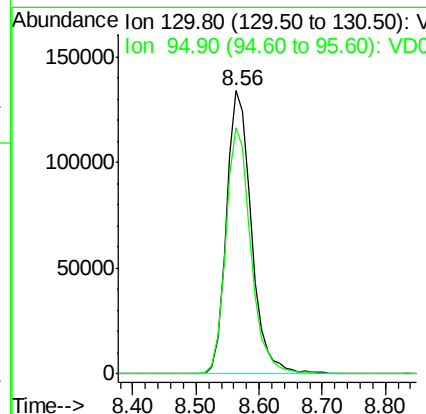
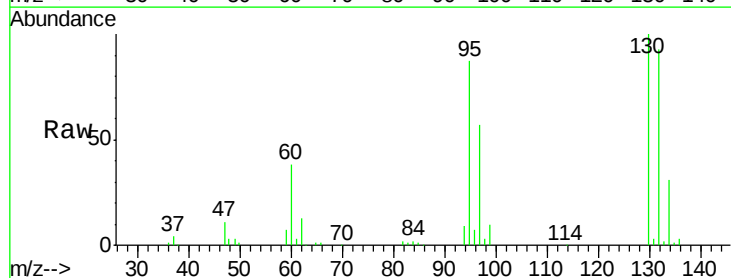
MMDadoda
 4/11/2019 3:00:09 AM

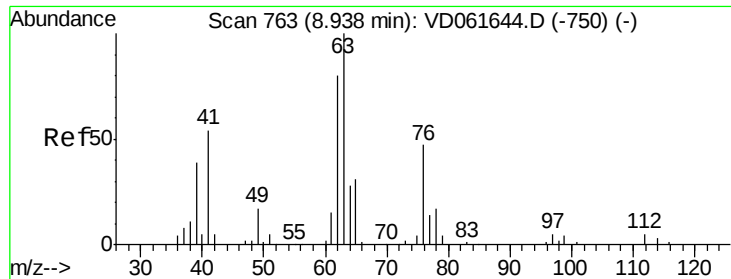


#44

Trichloroethene
 Concen: 44.288 ug/l
 RT: 8.56 min Scan# 725
 Delta R.T. 0.03 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.0	0.0	181.8





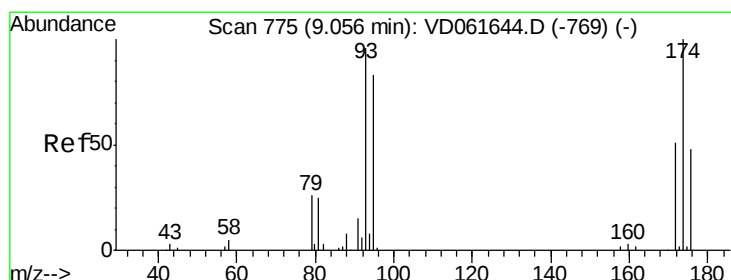
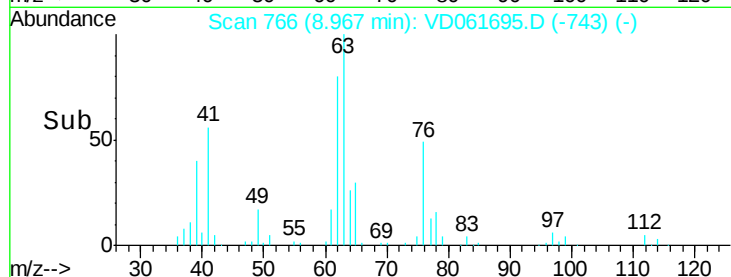
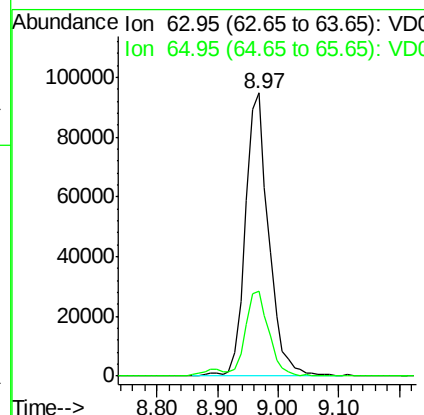
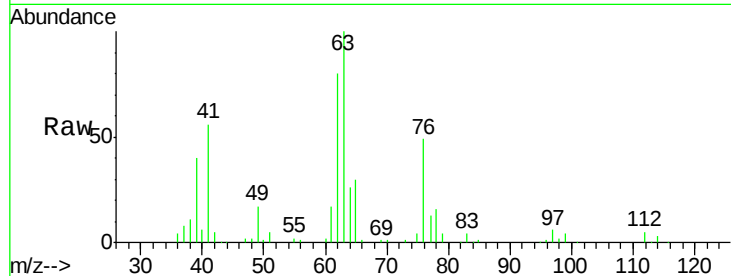
#45
 1,2-Dichloropropane
 Concen: 47.111 ug/l
 RT: 8.97 min Scan# 766
 Delta R.T. 0.03 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 252543
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.5 36.7

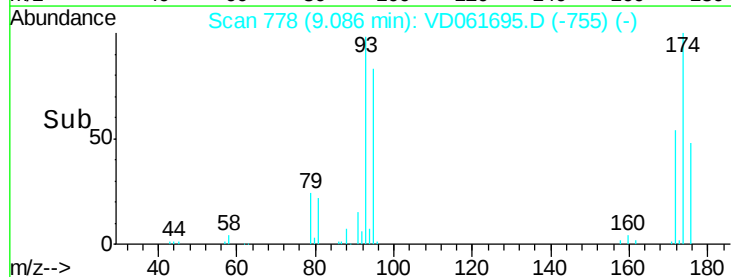
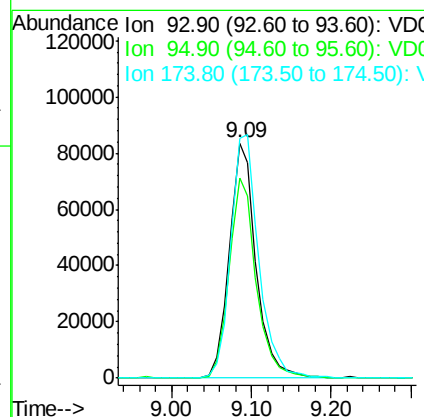
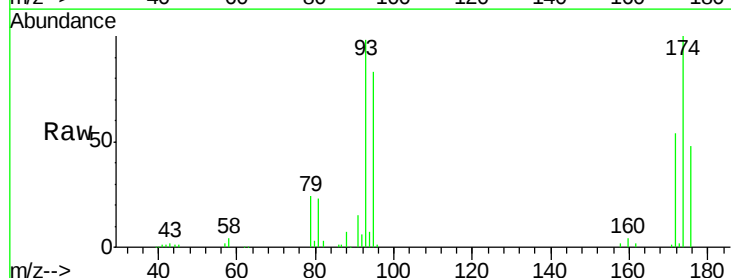
Manual Integrations
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 4/11/2019 3:00:09 AM



#46
 Dibromomethane
 Concen: 51.510 ug/l
 RT: 9.09 min Scan# 778
 Delta R.T. 0.03 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Tgt Ion: 93 Resp: 197346
 Ion Ratio Lower Upper
 93 100
 95 84.9 68.6 103.0
 174 102.1 83.0 124.4





#47

Bromodichloromethane

Concen: 53.742 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.03 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

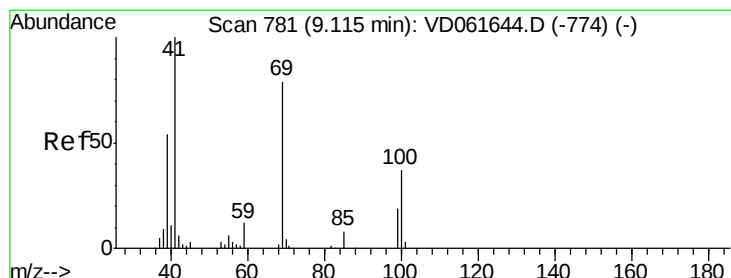
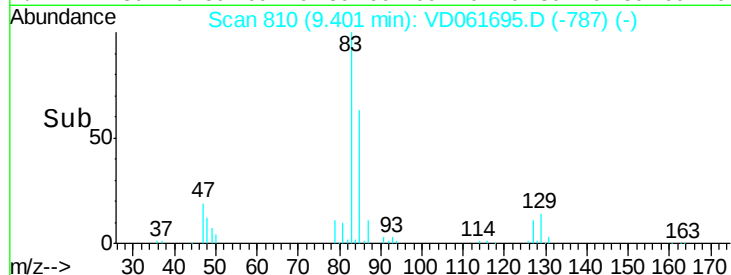
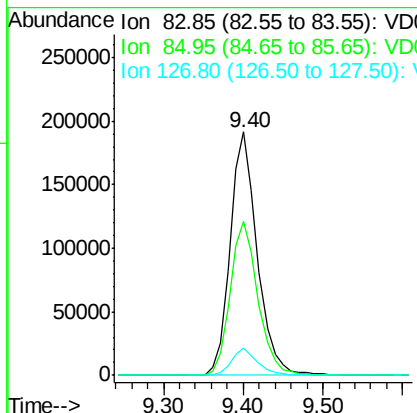
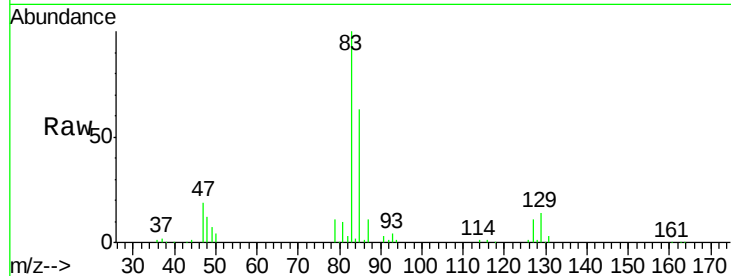
ClientSampleID :

VSTDCCC050

Tot Ion:	83	Resp:	452202
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.6
127	11.2	9.0	13.6

Manual Integrations
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MMDadoda
4/11/2019 3:00:09 AM



#48

Methyl methacrylate

Concen: 52.393 ug/l

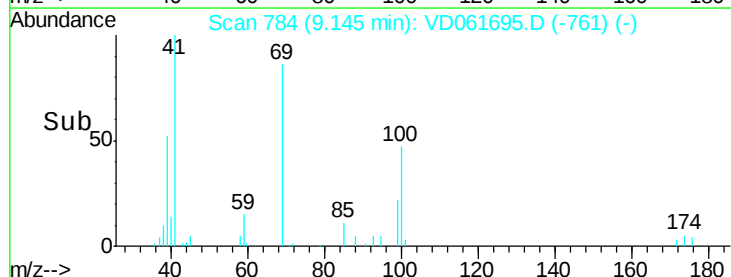
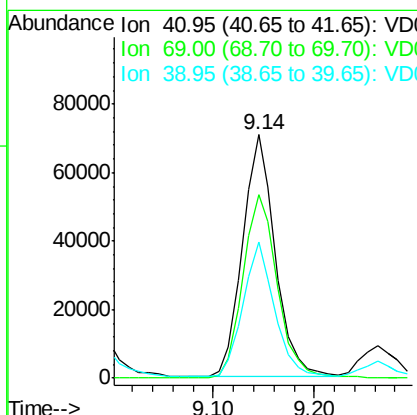
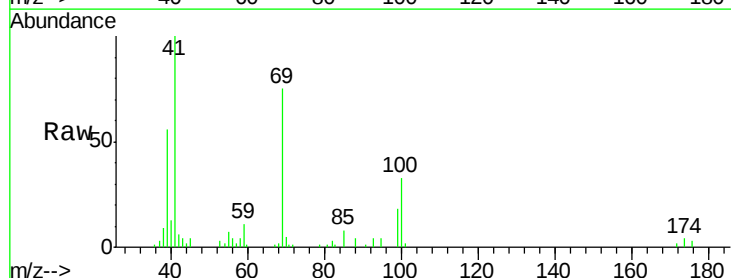
RT: 9.14 min Scan# 784

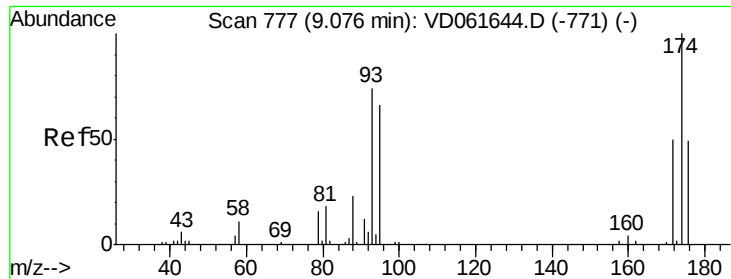
Delta R.T. 0.03 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Tgt Ion:	41	Resp:	159959
Ion	Ratio	Lower	Upper
41	100		
69	75.2	63.1	94.7
39	55.9	43.8	65.8





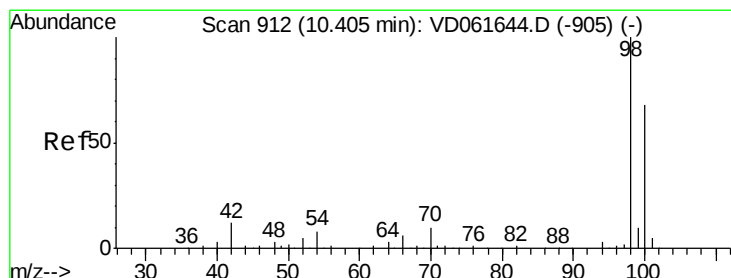
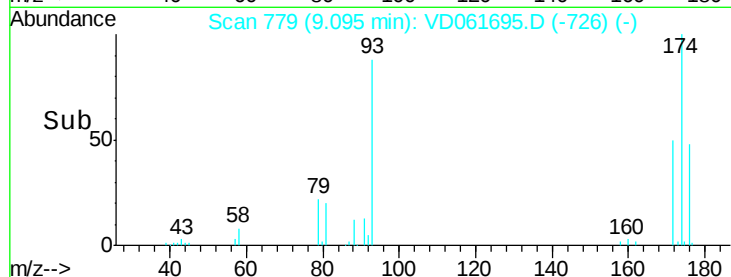
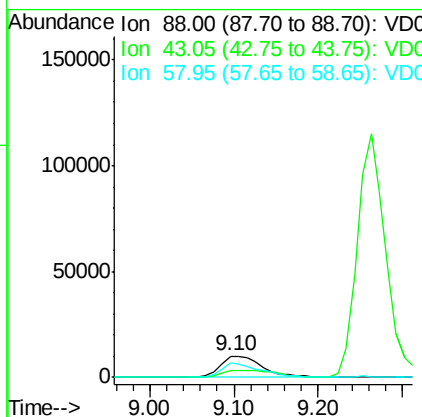
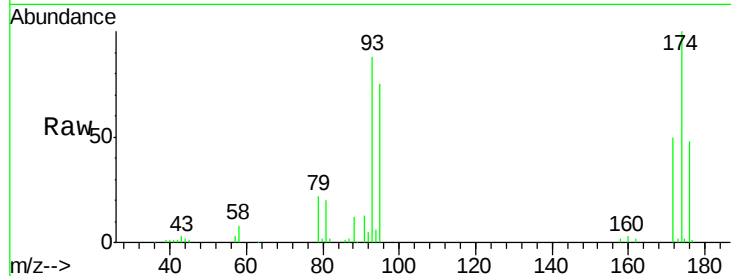
#49
1,4-Dioxane
Concen: 1023.986 ug/l
RT: 9.10 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	21.8	32.8
58	67.6	40.2	60.2

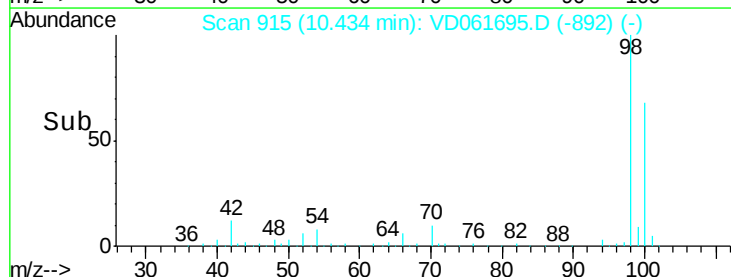
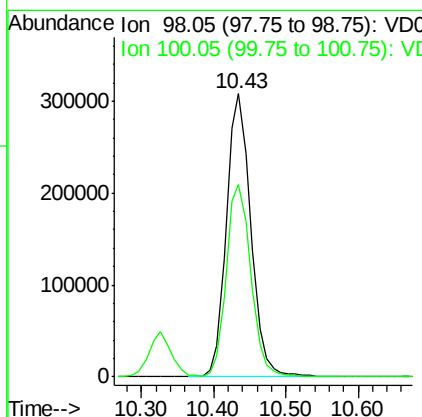
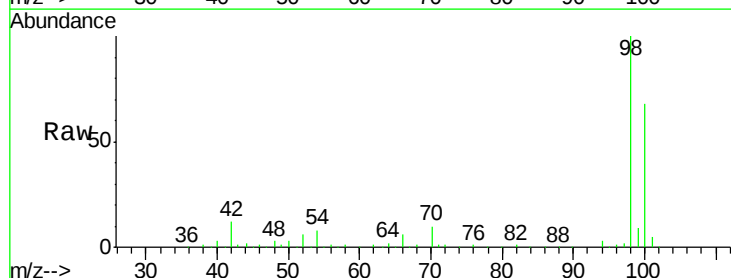
Manual Integrations
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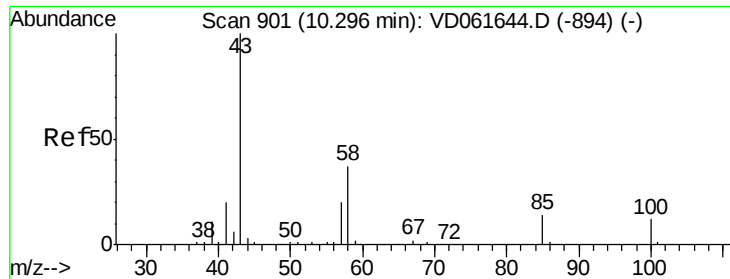
MMDadoda
4/11/2019 3:00:09 AM



#50
Toluene-d8
Concen: 1023.986 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.2	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 268.639 ug/l

RT: 10.33 min Scan# 904

Delta R.T. 0.03 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 841465

Ion Ratio Lower Upper

43 100

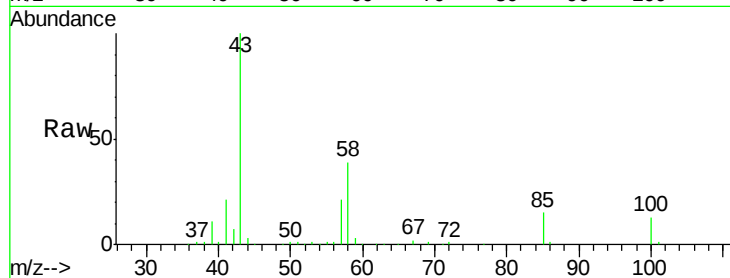
58 38.7 29.8 44.8

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.33

400000

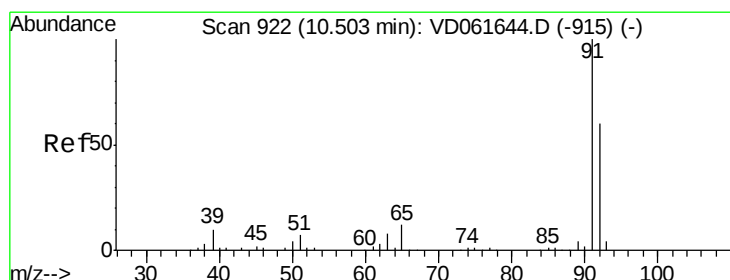
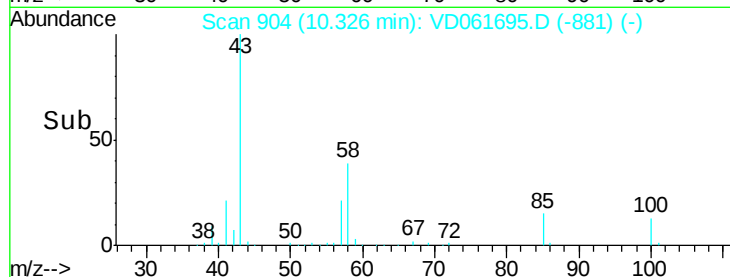
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.140 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.03 min

Lab File: VD061695.D

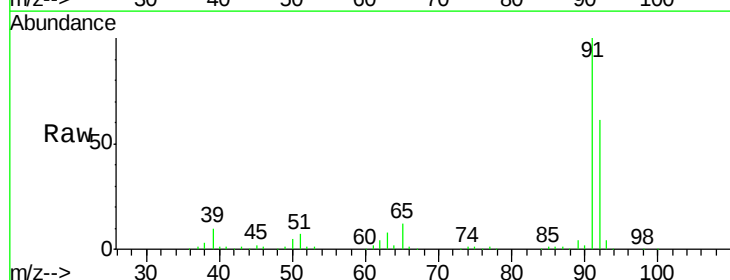
Acq: 10 Apr 2019 2:03

Tgt Ion: 92 Resp: 663285

Ion Ratio Lower Upper

92 100

91 164.8 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.53

500000

400000

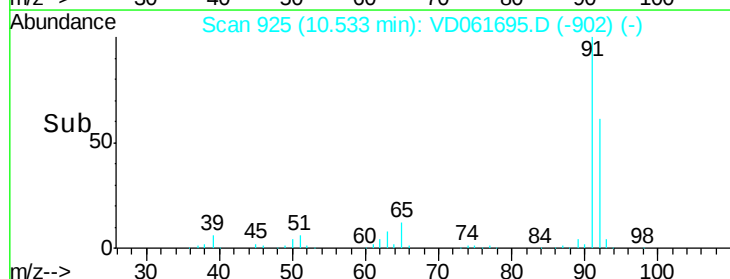
300000

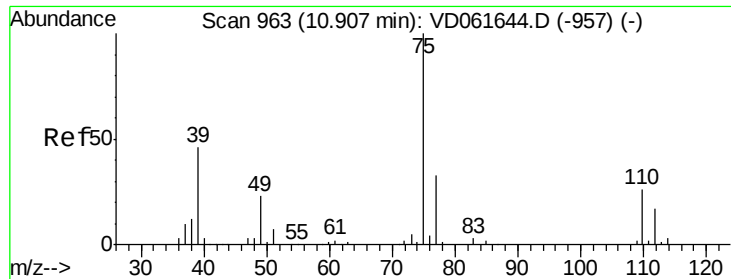
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.195 ug/l

RT: 10.94 min Scan# 966

Delta R.T. 0.03 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Tot Ion: 75 Resp: 377602

Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

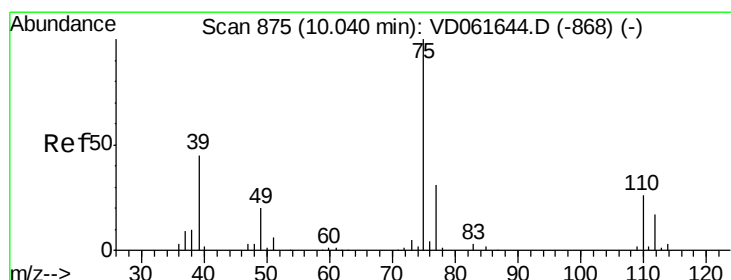
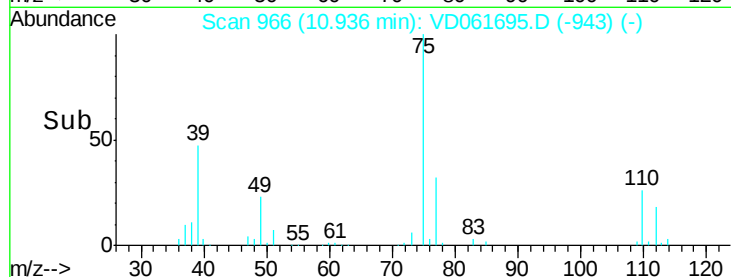
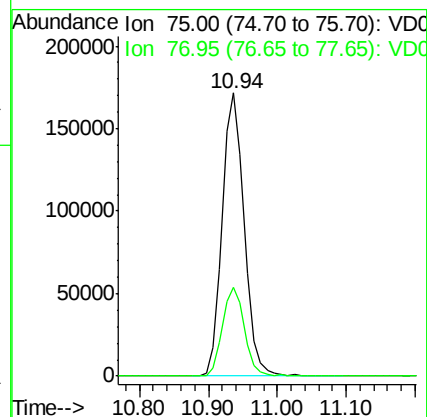
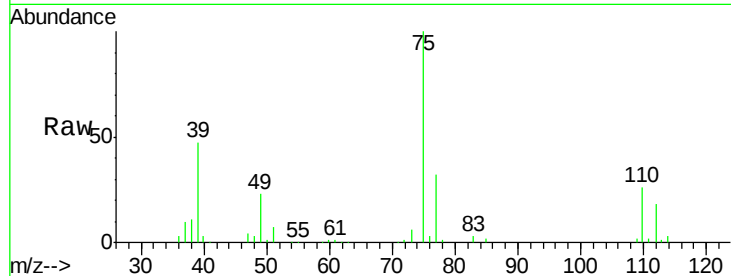
VSTDCCC050

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.786 ug/l

RT: 10.06 min Scan# 877

Delta R.T. 0.02 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

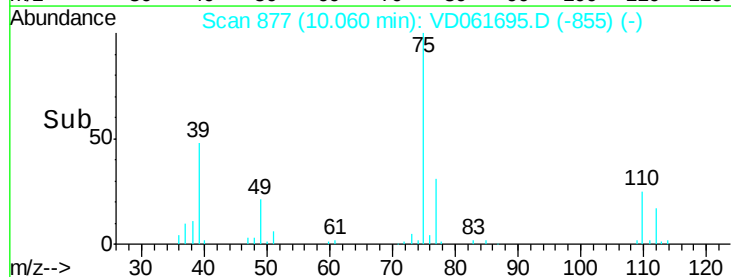
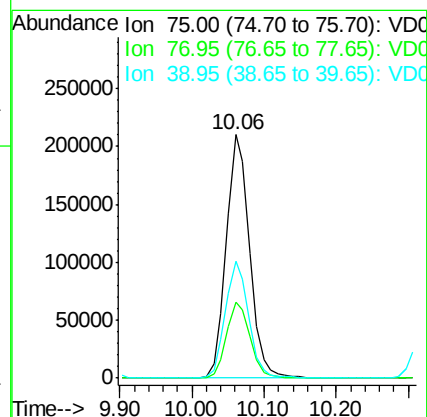
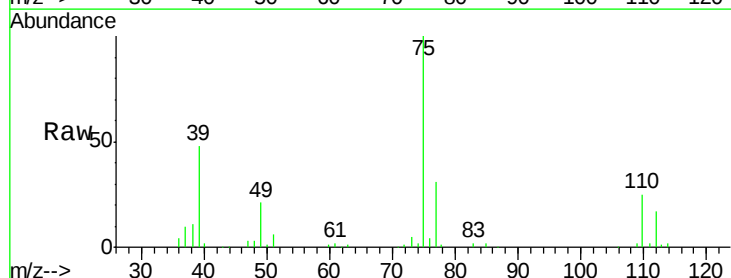
Tgt Ion: 75 Resp: 470856

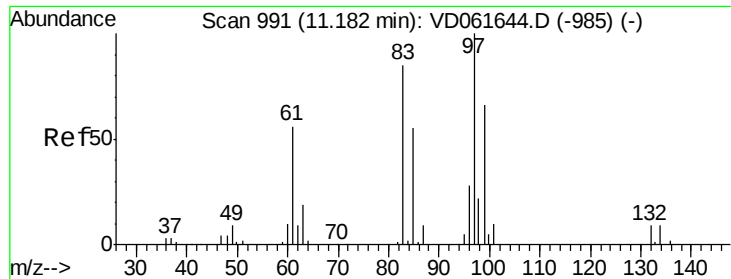
Ion Ratio Lower Upper

75 100

77 31.3 24.6 37.0

39 48.2 36.2 54.2





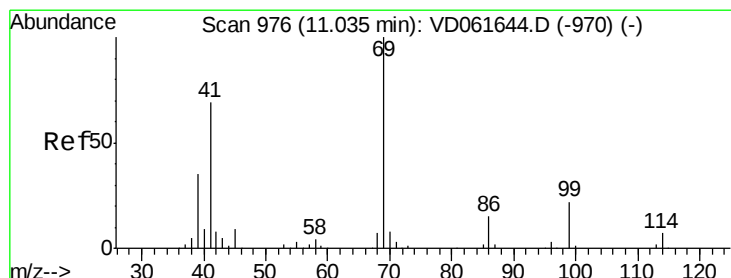
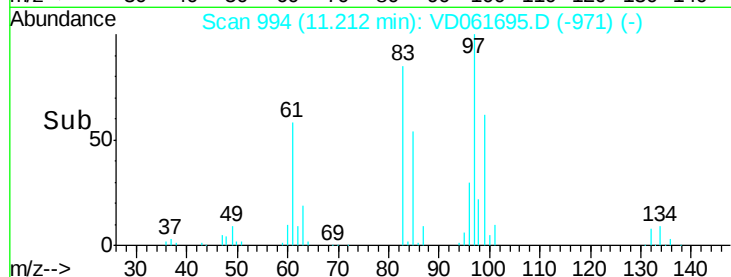
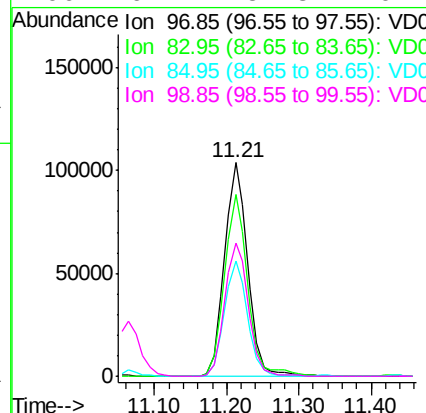
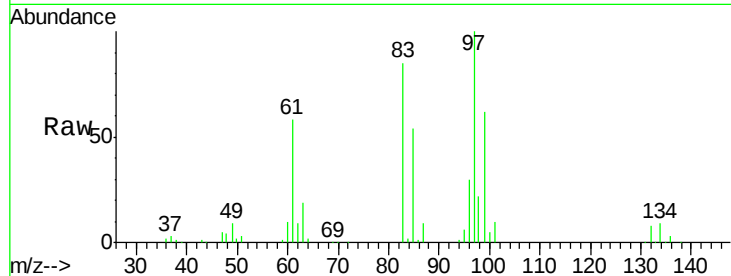
#55
 1,1,2-Trichloroethane
 Concen: 50.349 ug/l
 RT: 11.21 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		229209		
83	85.0	67.8	101.6		
85	53.7	43.8	65.8		
99	62.1	52.8	79.2		

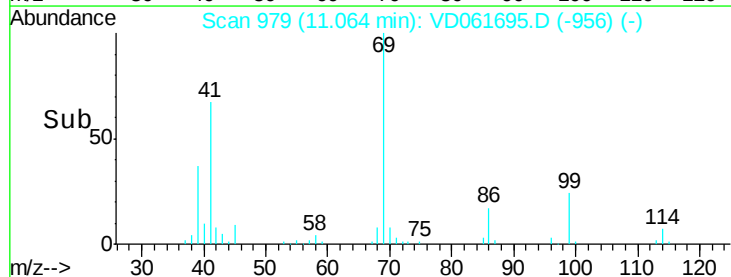
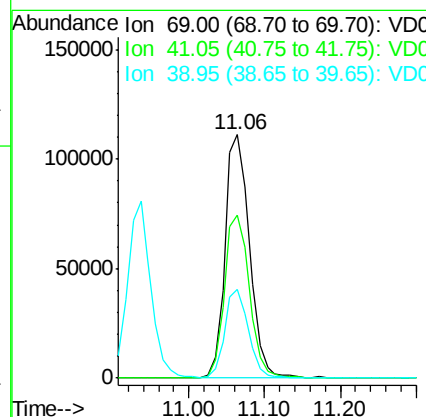
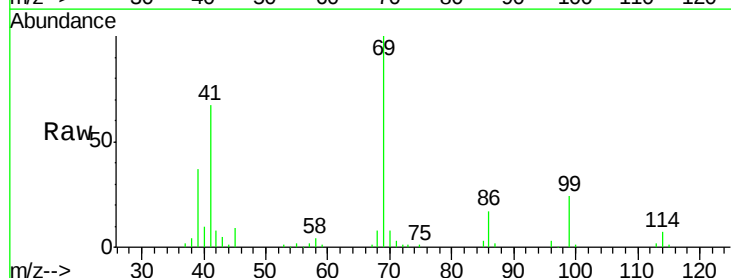
Manual Integrations
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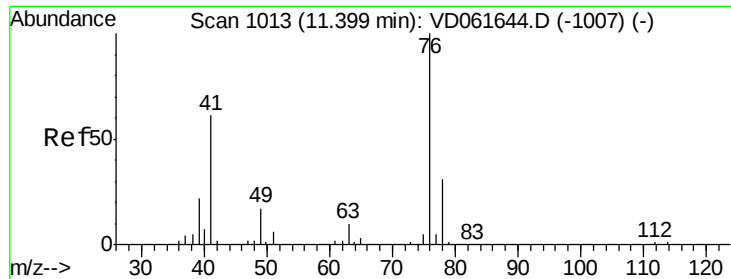
MMDadoda
 4/11/2019 3:00:09 AM



#56
 Ethyl methacrylate
 Concen: 51.768 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.03 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		248616		
41	67.1	55.2	82.8		
39	36.6	28.6	43.0		





#57

1,3-Dichloropropane

Concen: 52.338 ug/l

RT: 11.43 min Scan# 1016

Delta R.T. 0.03 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 348928

Ion Ratio Lower Upper

76 100

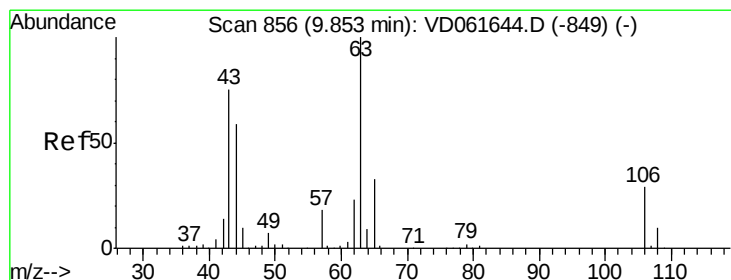
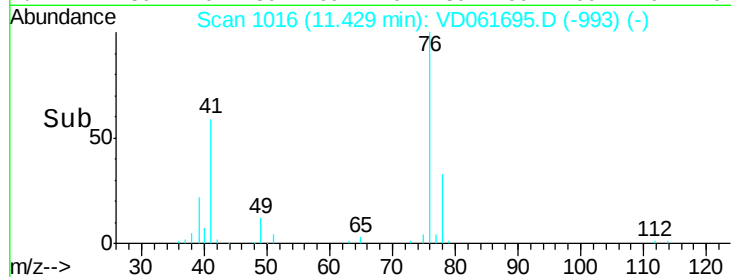
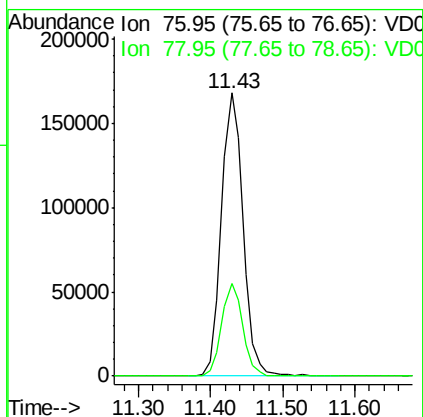
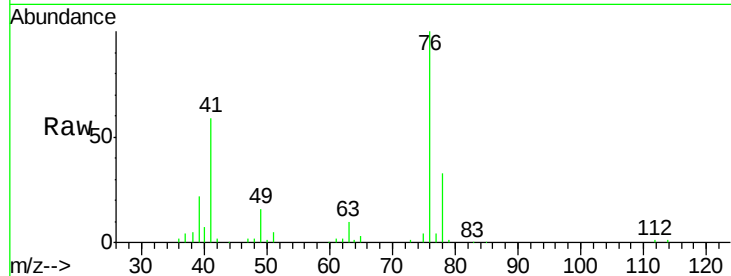
78 32.8 24.5 36.7

Manual Integrations

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4/11/2019 3:00:09 AM



#58

2-Chloroethyl Vinyl ether

Concen: 276.231 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.03 min

Lab File: VD061695.D

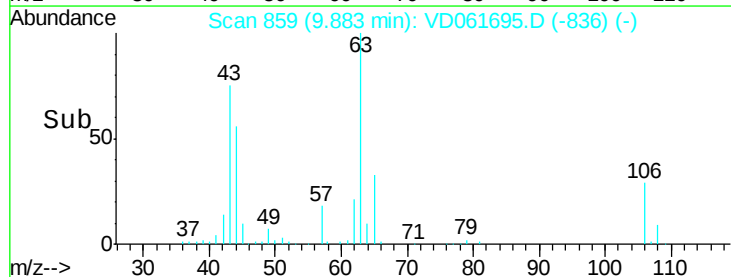
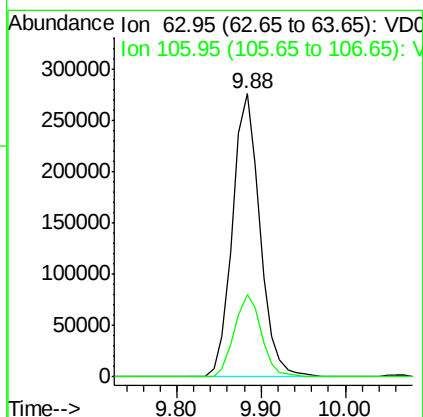
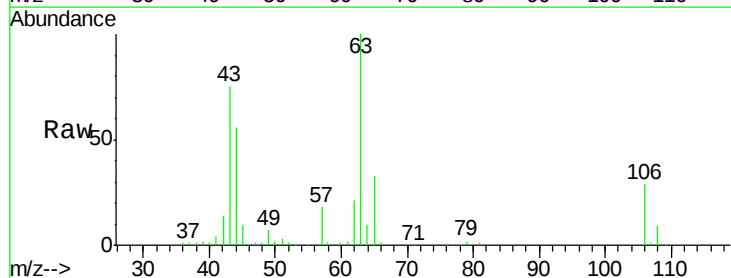
Acq: 10 Apr 2019 2:03

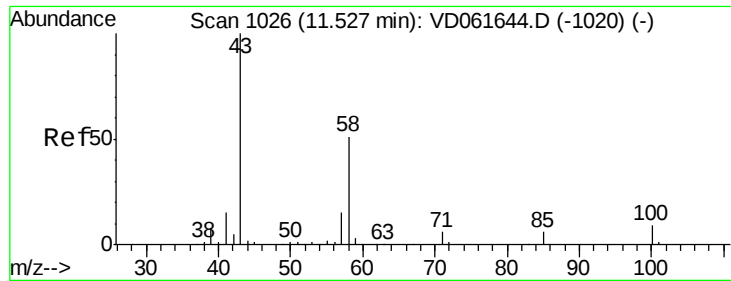
Tgt Ion: 63 Resp: 625945

Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.6





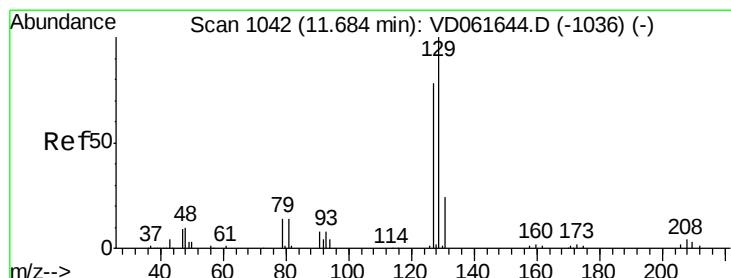
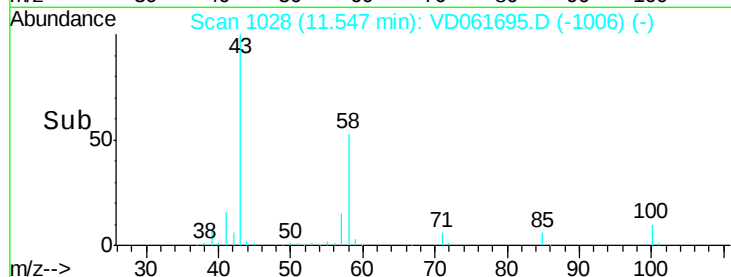
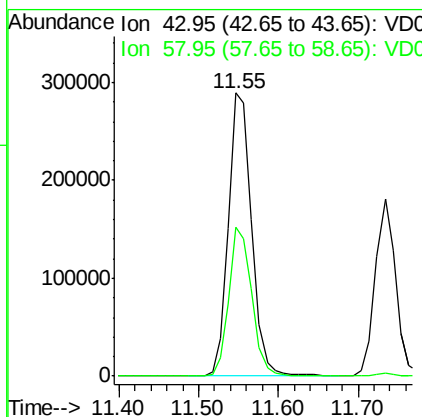
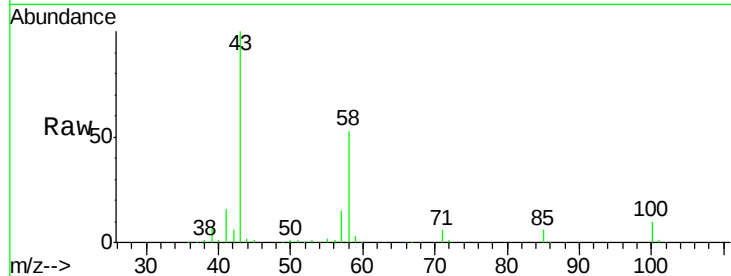
#59
2-Hexanone
Concen: 244.651 ug/l
RT: 11.55 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 594731
Ion Ratio Lower Upper
43 100
58 52.5 25.6 76.8

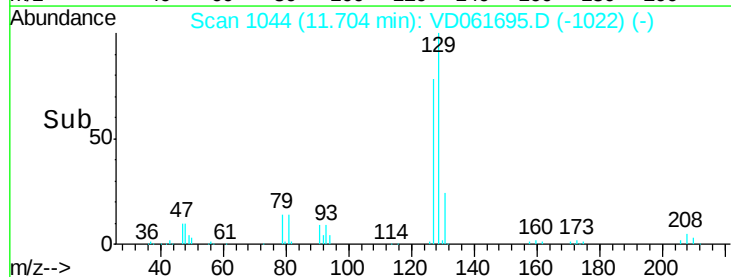
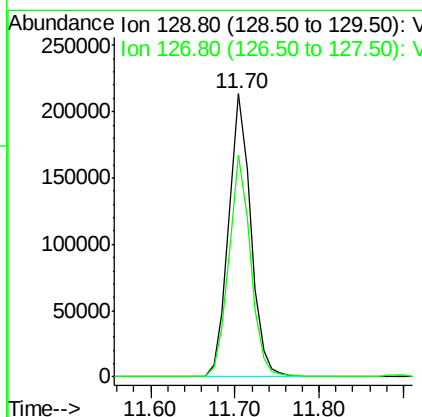
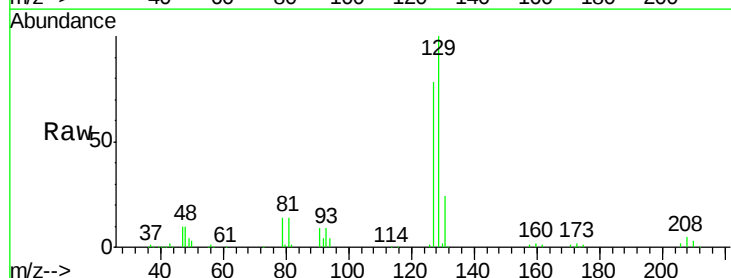
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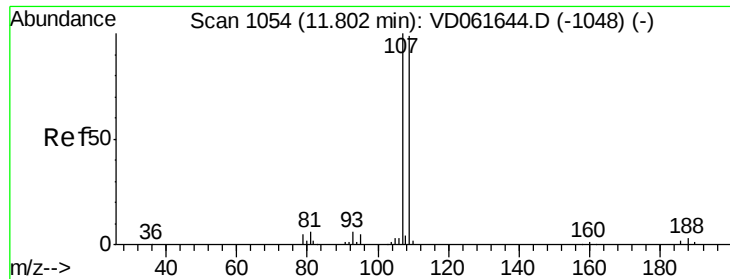
MMDadoda
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#60
Dibromochloromethane
Concen: 54.419 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion: 129 Resp: 391401
Ion Ratio Lower Upper
129 100
127 78.2 38.8 116.4





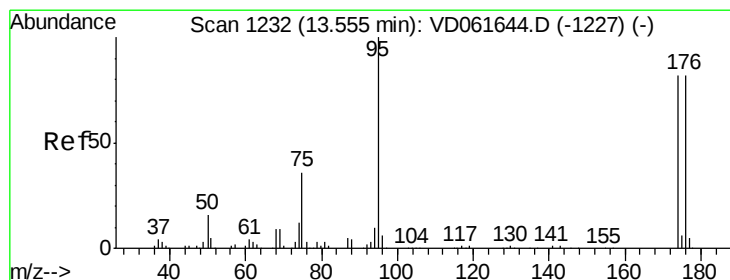
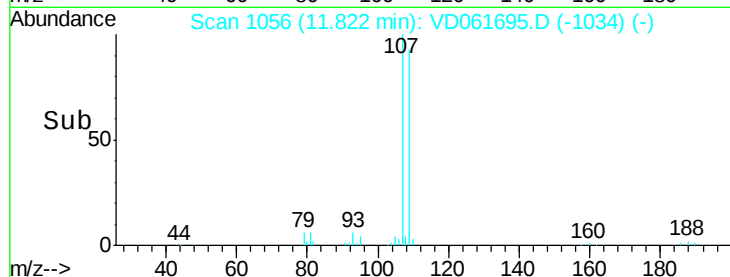
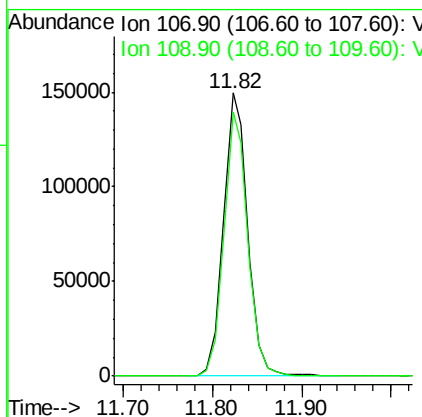
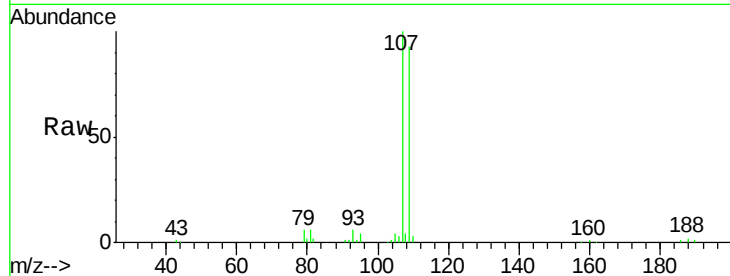
#61
 1,2-Dibromoethane
 Concen: 53.663 ug/l
 RT: 11.82 min Scan# 1056
 Delta R.T. 0.02 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	79.2	118.8

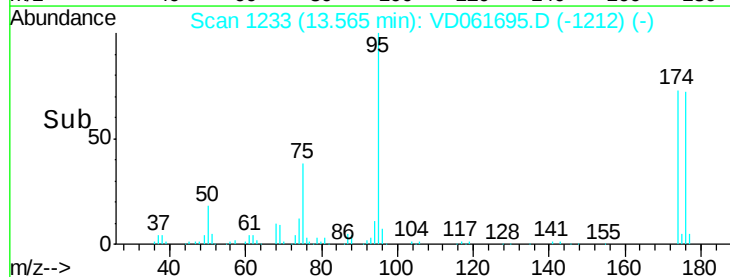
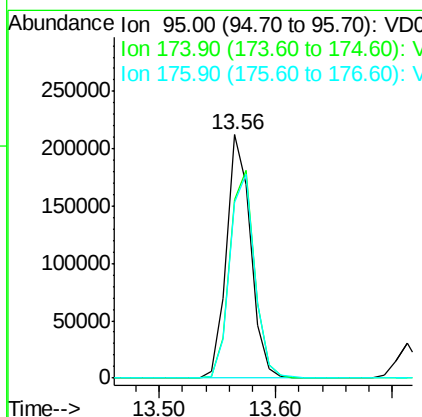
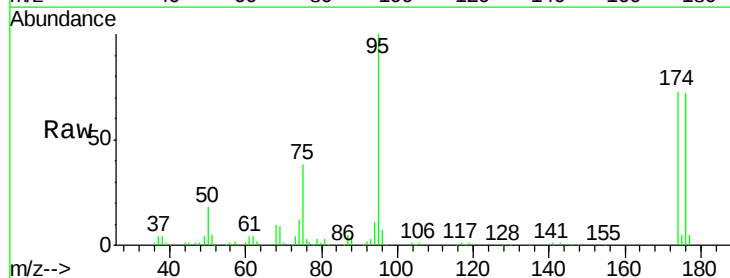
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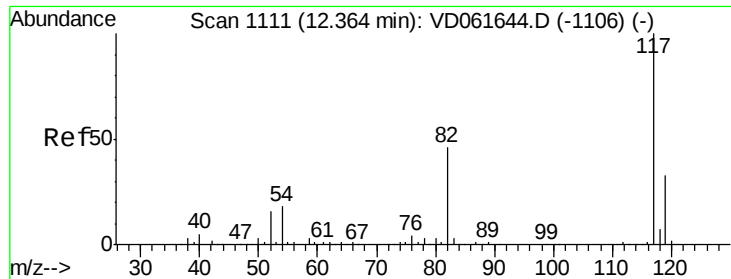
MMDadoda
 4/11/2019 3:00:09 AM



#62
 4-Bromofluorobenzene
 Concen: 53.663 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	164.6
176	71.9	0.0	165.0





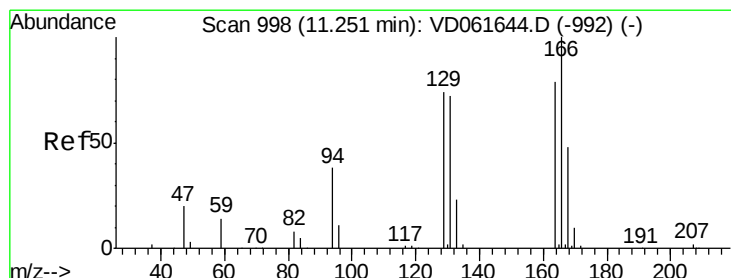
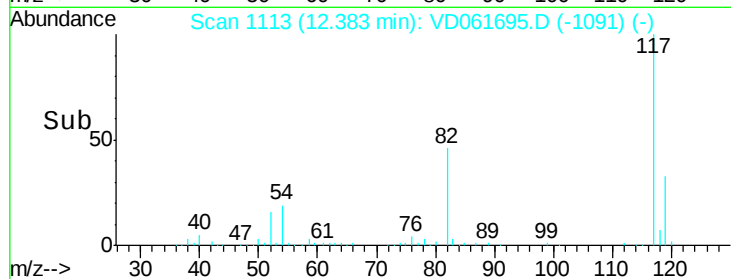
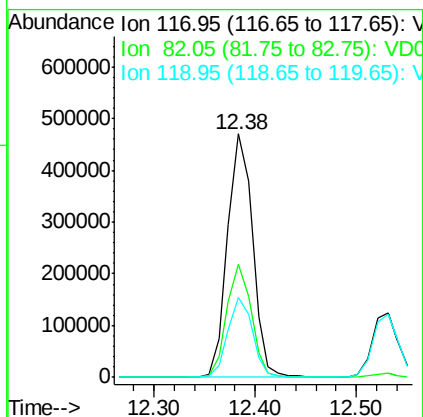
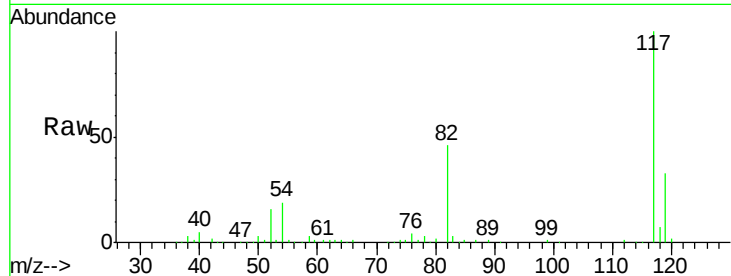
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	818065		
82	46.2	36.8	55.2	
119	32.7	26.1	39.1	

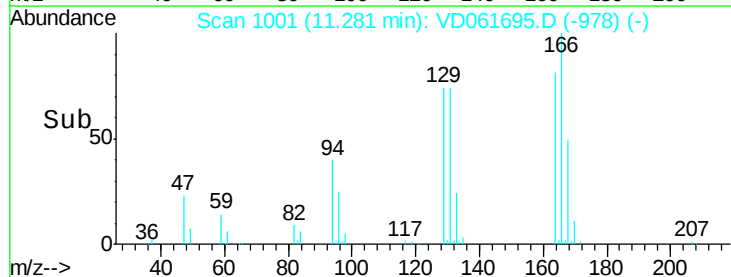
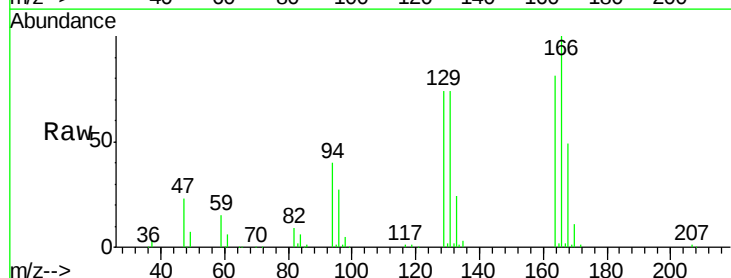
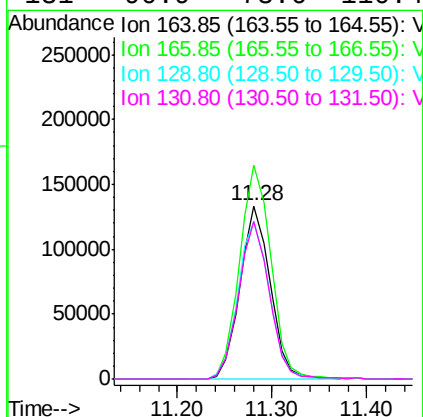
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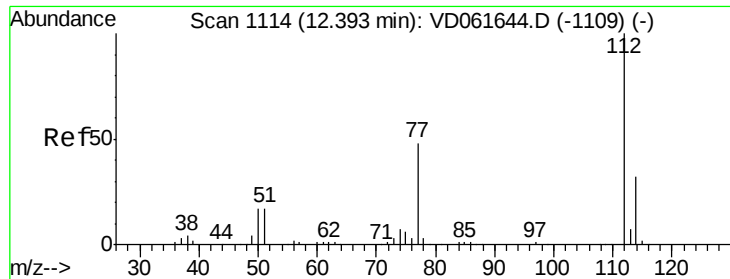
MMDadoda
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#64
Tetrachloroethene
Concen: 46.726 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	296713		
166	123.2	101.8	152.8	
129	91.2	75.4	113.0	
131	90.9	73.6	110.4	





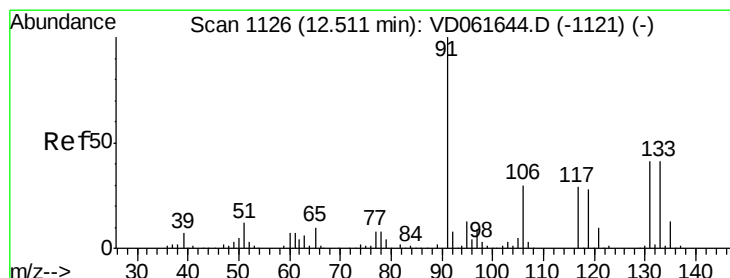
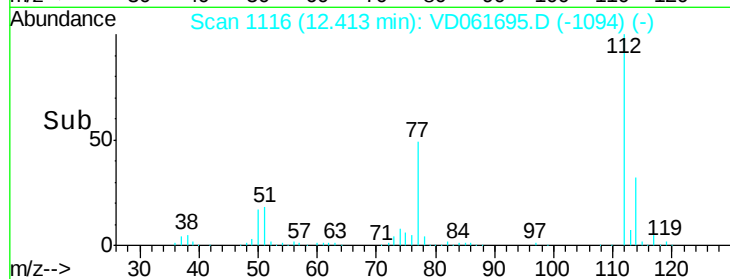
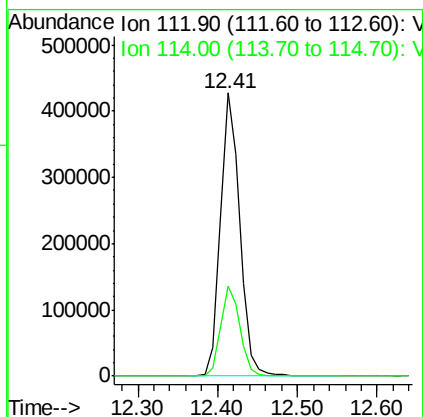
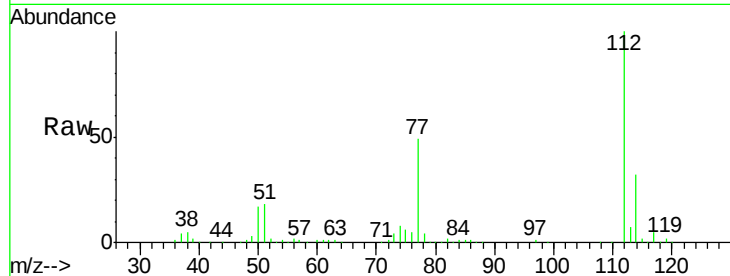
#65
Chlorobenzene
Concen: 45.399 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 736522
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

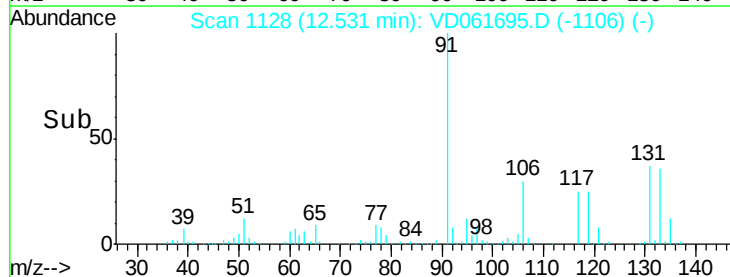
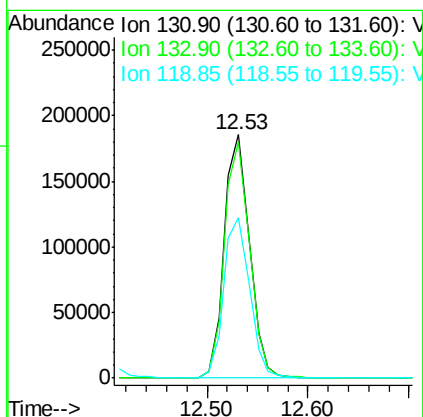
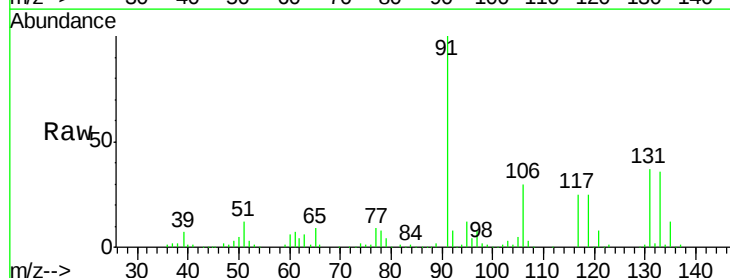
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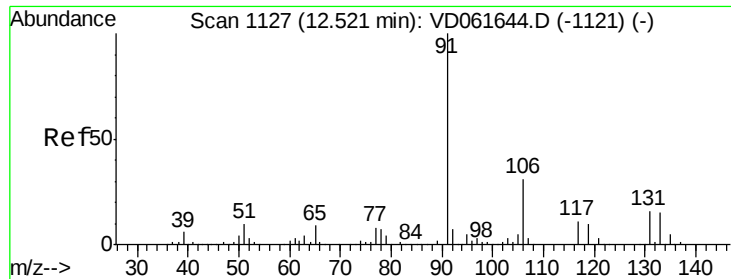
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.867 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion:131 Resp: 323795
Ion Ratio Lower Upper
131 100
133 96.8 49.5 148.3
119 66.0 34.7 104.1





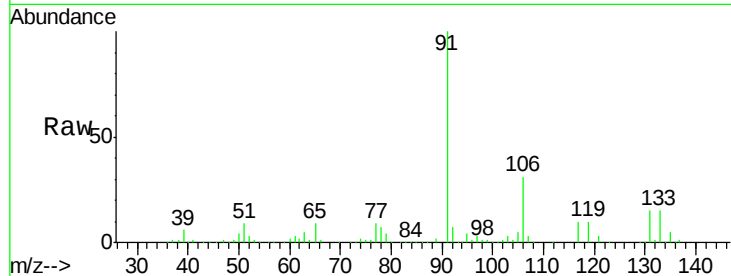
#67
Ethyl Benzene
Concen: 48.058 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

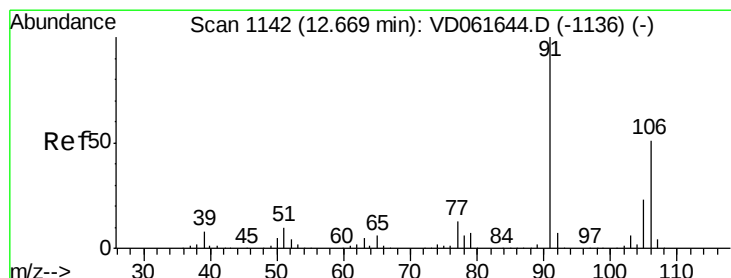
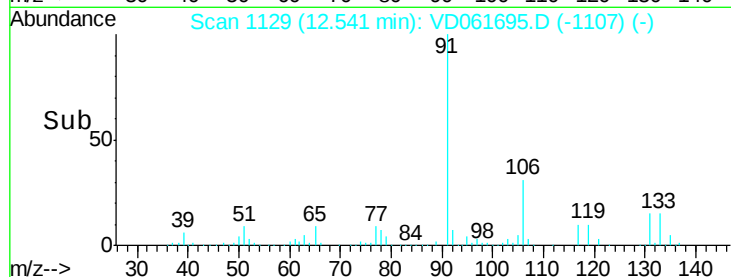
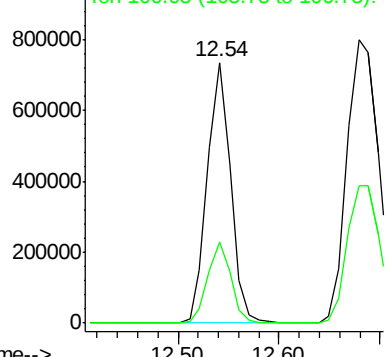
Tot Ion: 91 Resp: 1187245
Ion Ratio Lower Upper
91 100
106 31.2 24.6 37.0

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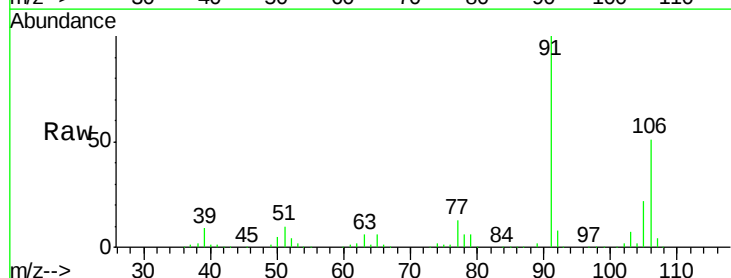


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

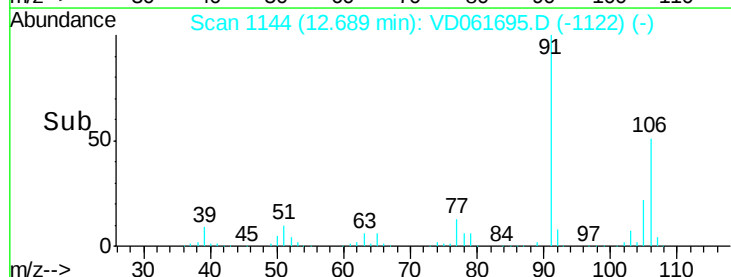
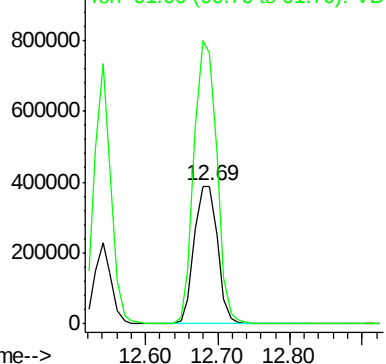


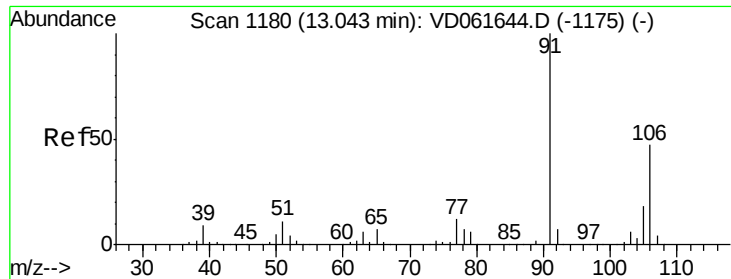
#68
m/p-Xylenes
Concen: 91.063 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion: 106 Resp: 867296
Ion Ratio Lower Upper
106 100
91 196.9 156.7 235.1



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





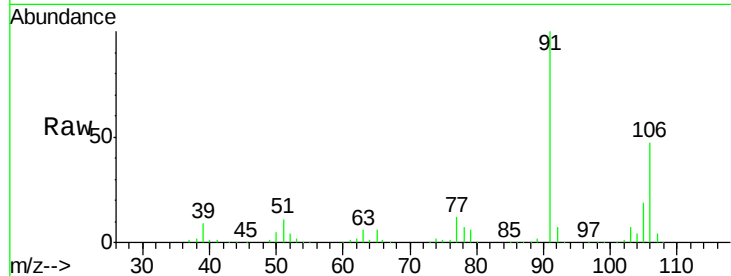
#69
o-Xylene
Concen: 46.224 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

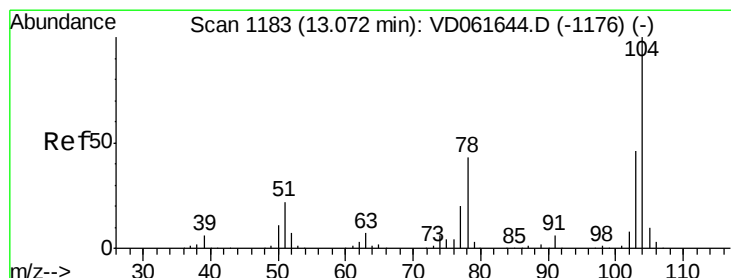
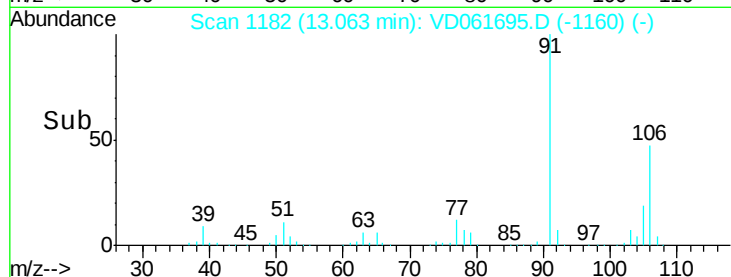
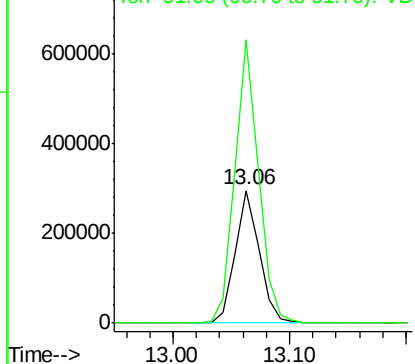
Tot Ion:106 Resp: 424965
Ion Ratio Lower Upper
106 100
91 213.5 107.3 321.9

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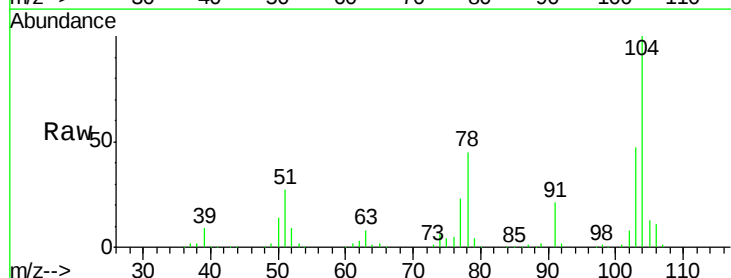


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

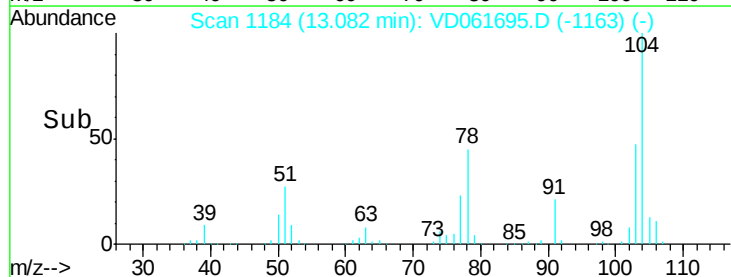
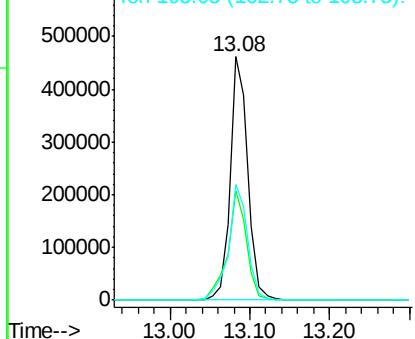


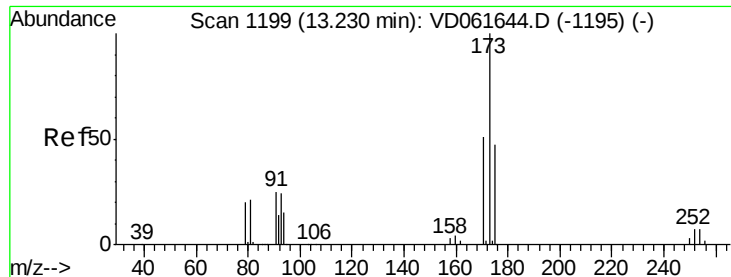
#70
Styrene
Concen: 45.429 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion:104 Resp: 713281
Ion Ratio Lower Upper
104 100
78 44.7 34.2 51.4
103 47.4 37.2 55.8



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





#71

Bromoform

Concen: 53.801 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 208393

Ion Ratio Lower Upper

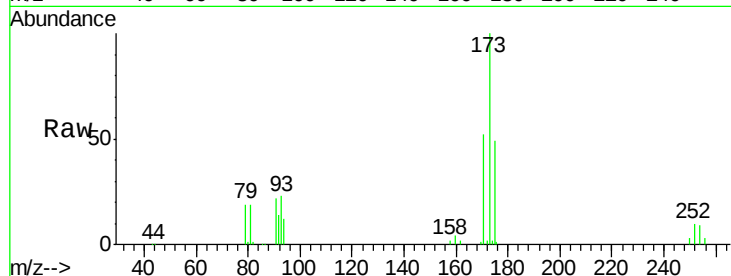
173 100

175 48.8 23.7 71.1

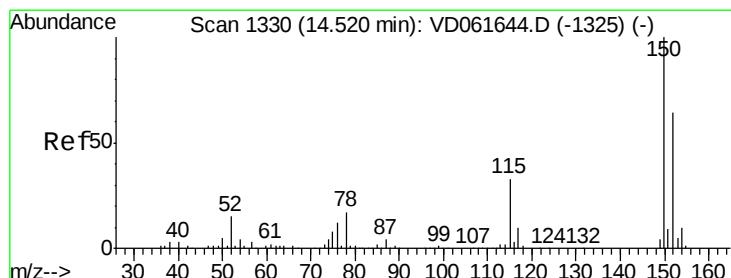
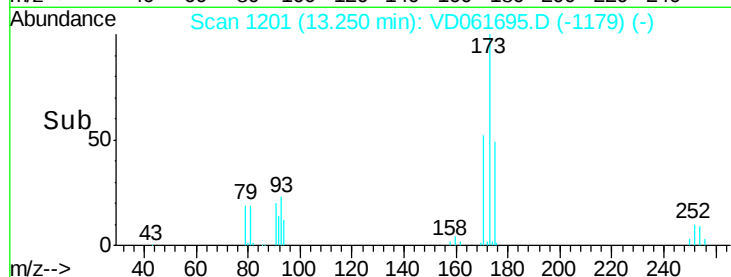
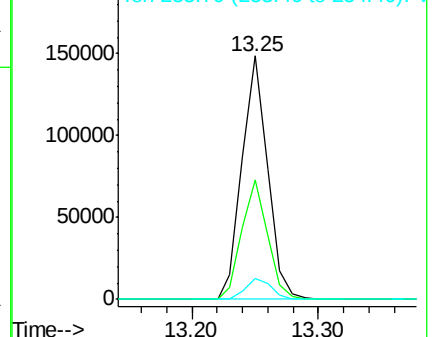
254 8.8 5.8 8.6#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

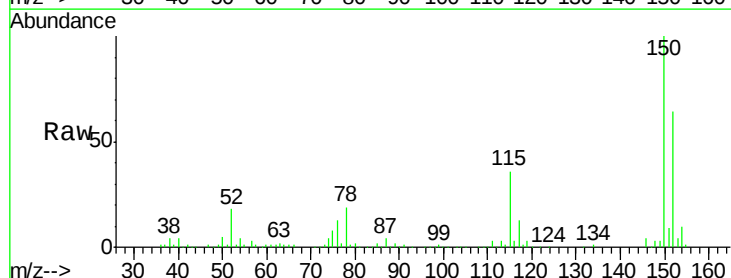
Tgt Ion:152 Resp: 370797

Ion Ratio Lower Upper

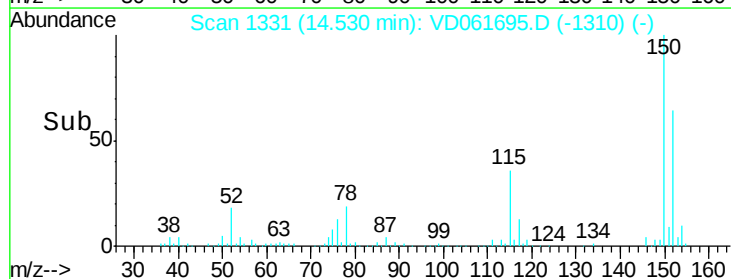
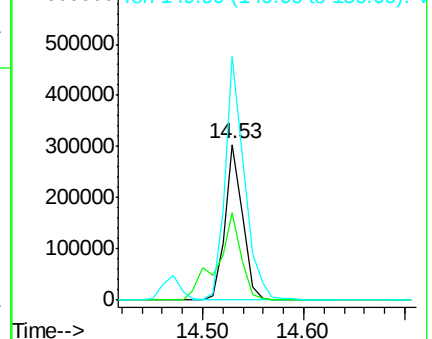
152 100

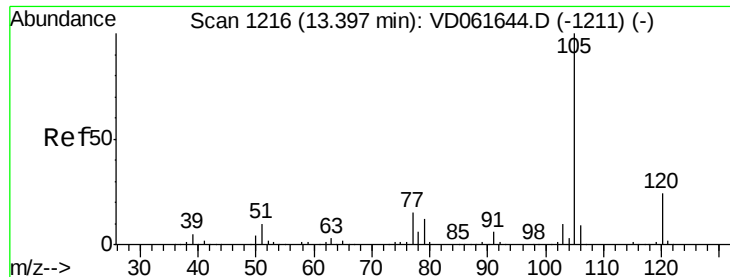
115 56.1 26.4 79.2

150 156.5 0.0 320.6



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: 48.894 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.02 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1208003

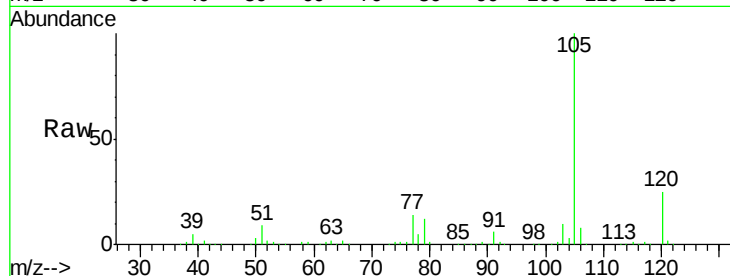
Ion Ratio Lower Upper

105 100

120 25.0 12.2 36.4

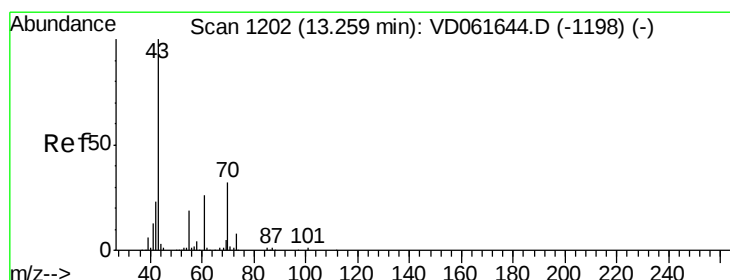
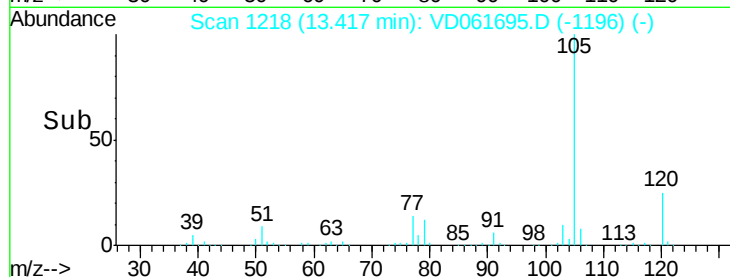
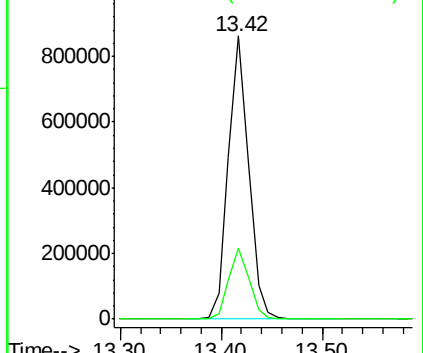
Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.167 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.02 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Tgt Ion: 43 Resp: 356903

Ion Ratio Lower Upper

43 100

70 33.2 25.4 38.2

55 19.8 15.0 22.4

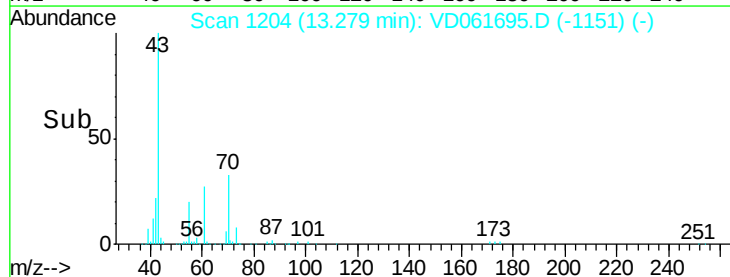
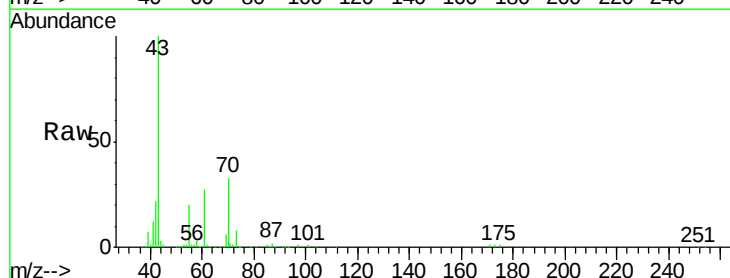
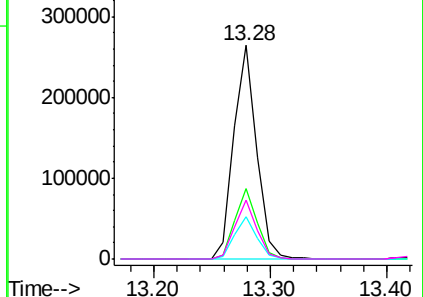
61 27.4 20.9 31.3

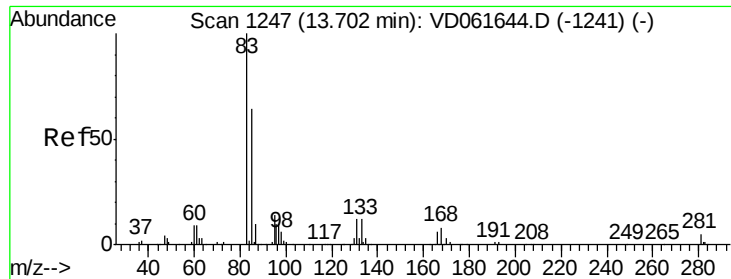
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 52.360 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 267482
Ion Ratio Lower Upper

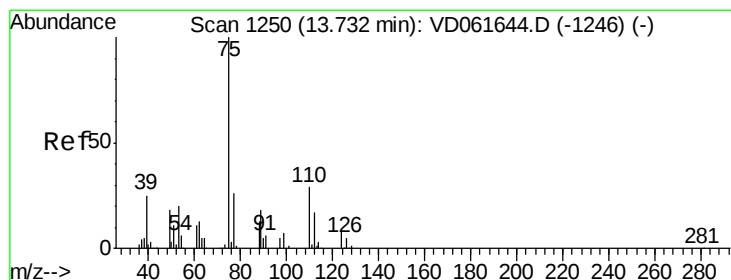
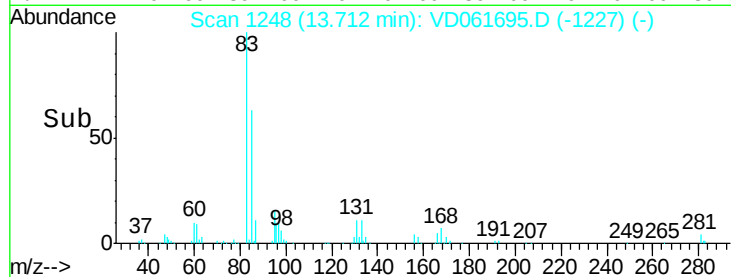
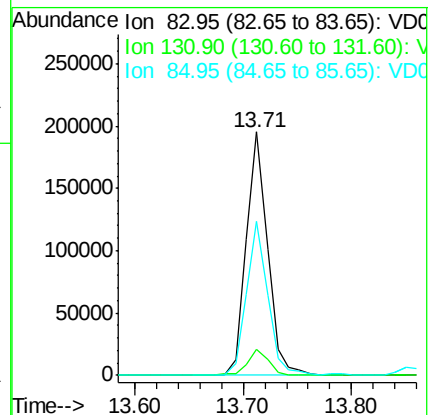
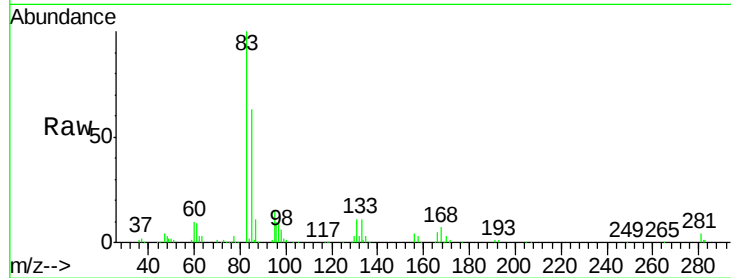
83 100

131 10.9 5.9 17.6

85 63.3 32.0 96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.000 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

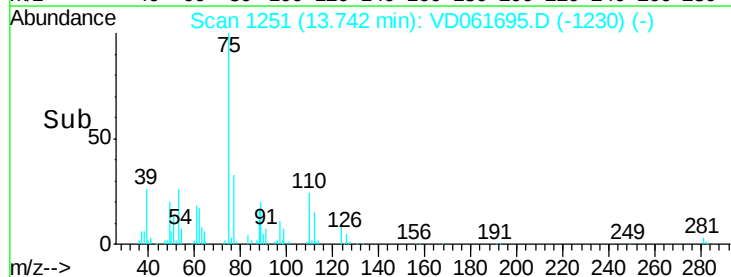
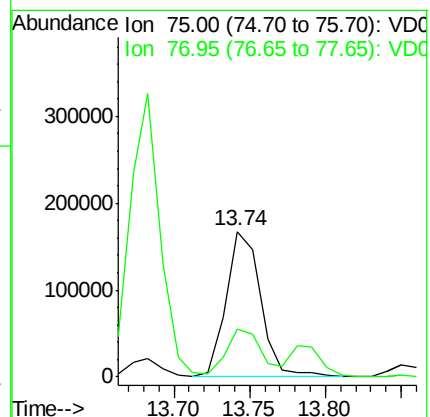
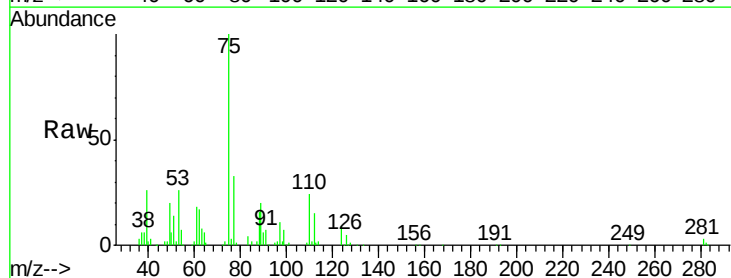
Lab File: VD061695.D

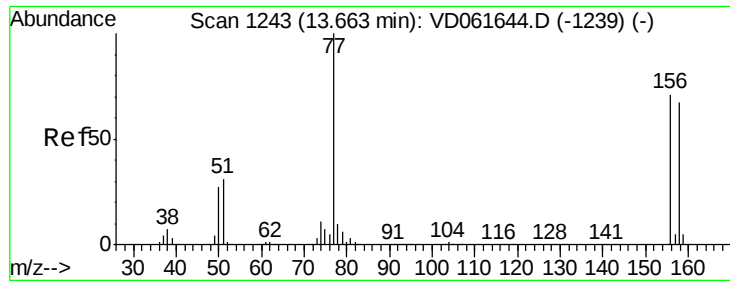
Acq: 10 Apr 2019 2:03

Tgt Ion: 75 Resp: 267371
Ion Ratio Lower Upper

75 100

77 32.5 15.7 47.1





#77

Bromobenzene

Concen: 50.841 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 364602

Ion Ratio Lower Upper

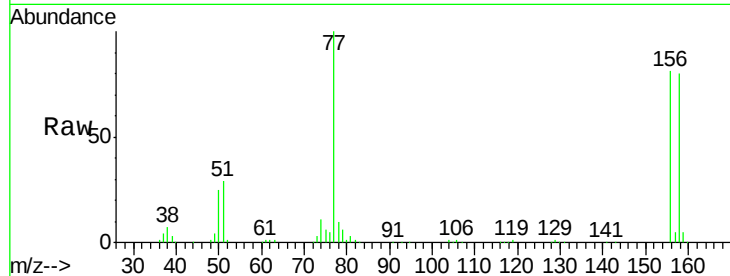
156 100

77 123.3 70.3 210.8

158 98.1 47.4 142.2

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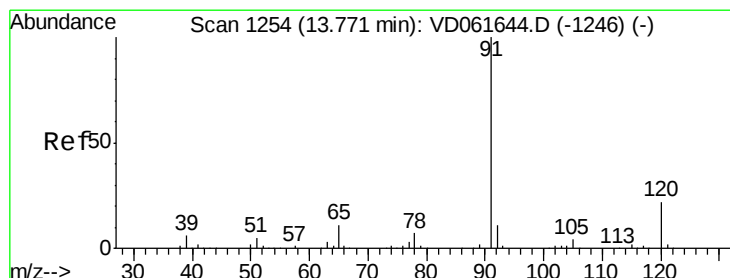
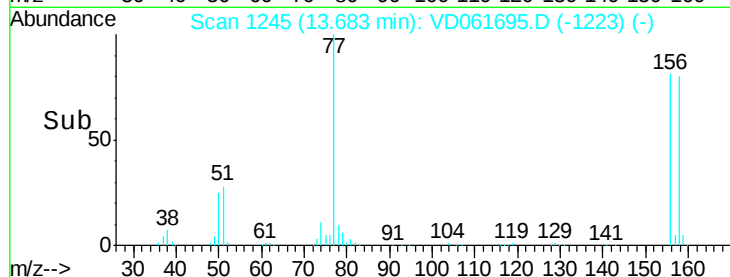
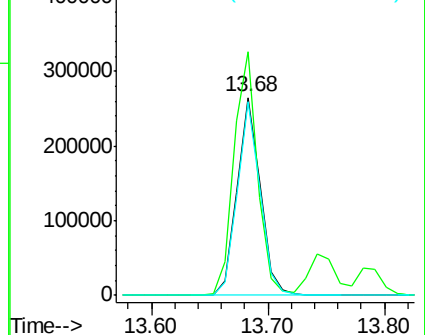
MMDadoda
4/11/2019 3:00:09 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.081 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061695.D

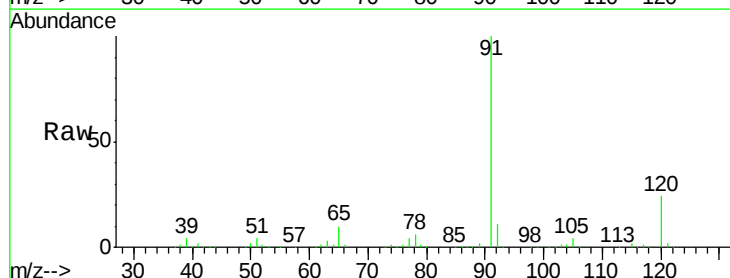
Acq: 10 Apr 2019 2:03

Tgt Ion: 91 Resp: 1480092

Ion Ratio Lower Upper

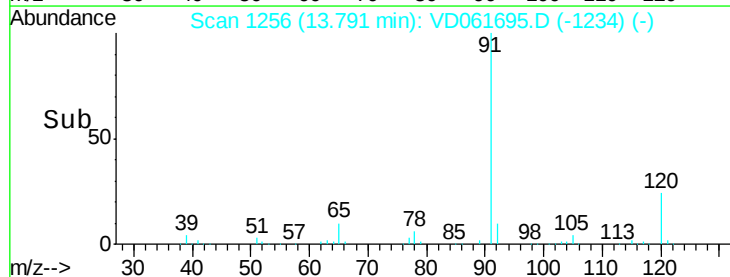
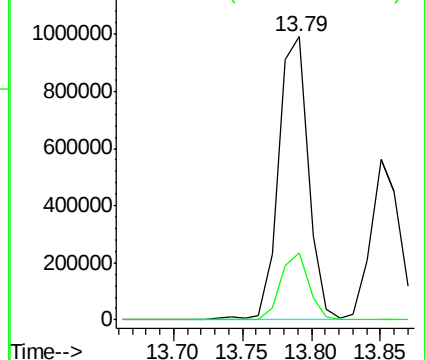
91 100

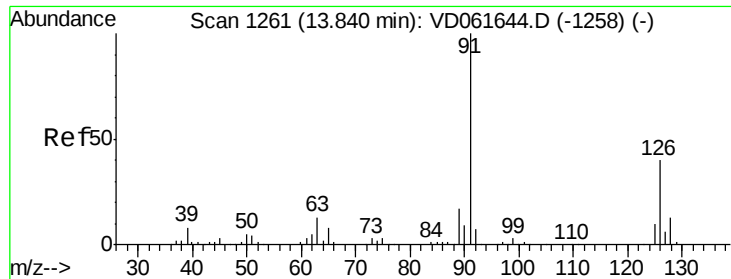
120 23.8 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 47.747 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061695.D

Acq: 10 Apr 2019 2:03

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 806952

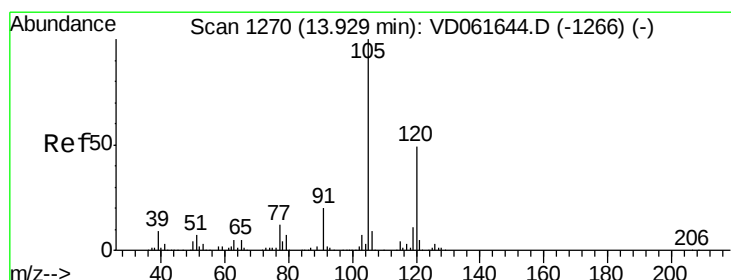
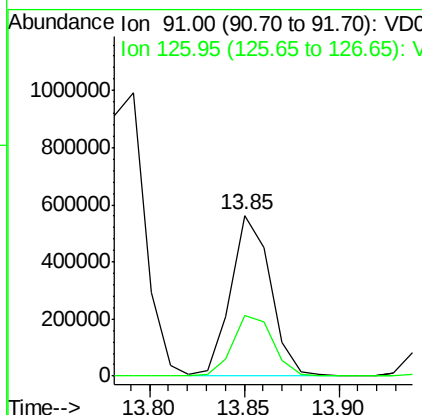
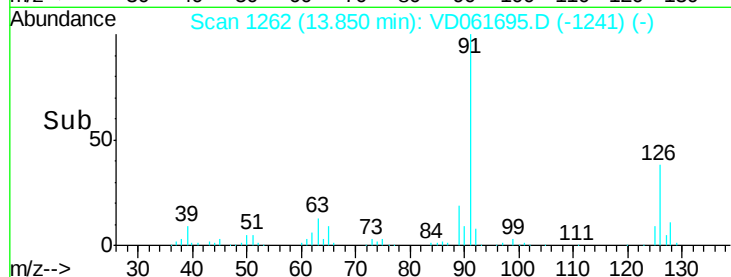
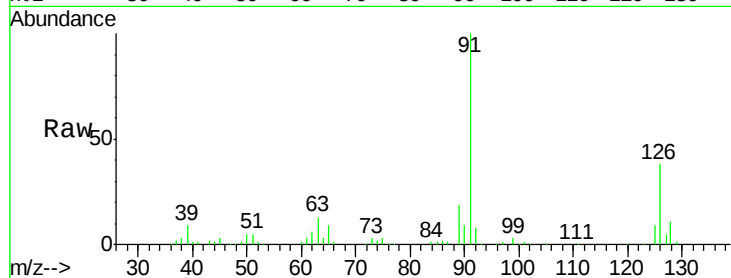
Ion Ratio Lower Upper

91 100

126 37.5 20.0 59.9

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#80

1,3,5-Trimethylbenzene

Concen: 49.900 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.02 min

Lab File: VD061695.D

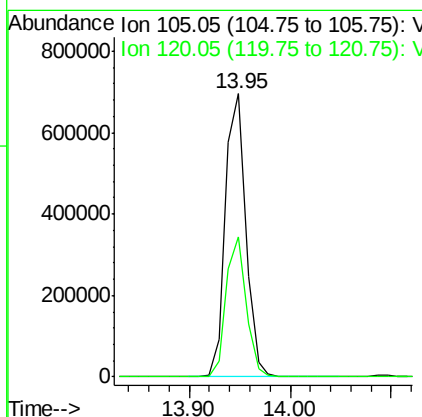
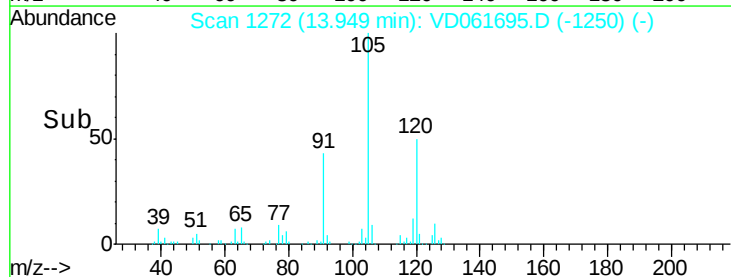
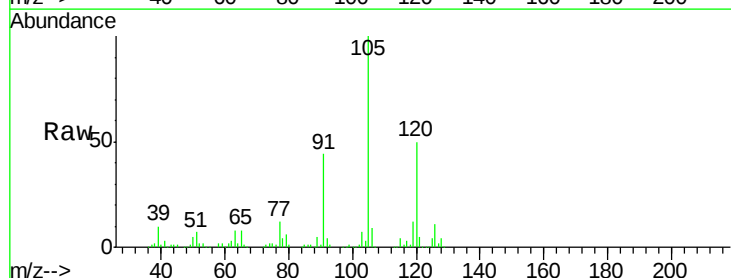
Acq: 10 Apr 2019 2:03

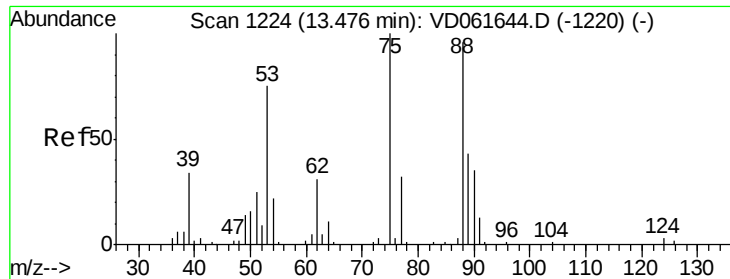
Tgt Ion: 105 Resp: 978530

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.2





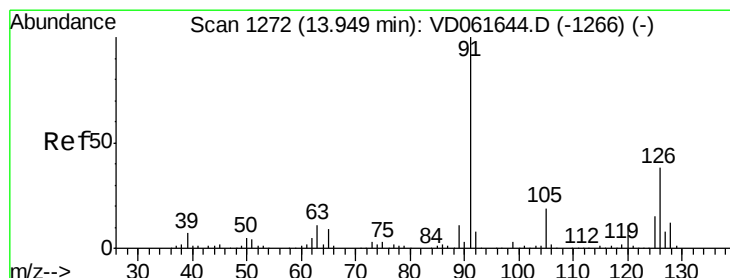
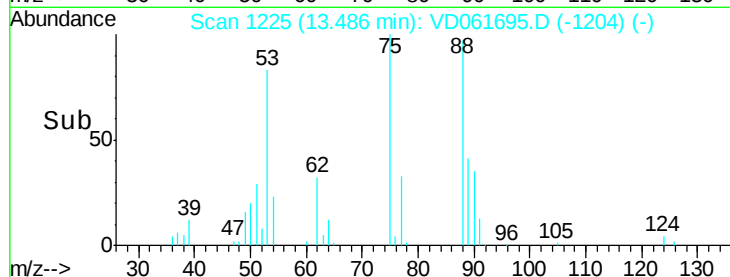
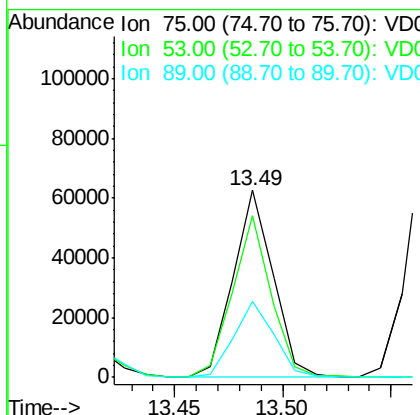
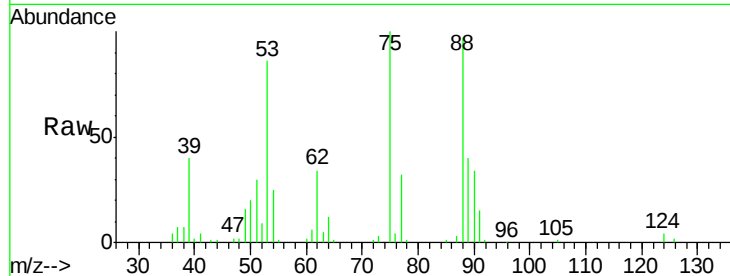
#81
trans-1,4-Dichloro-2-butene
Concen: 52.823 ug/l
RT: 13.49 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.3	60.2	90.2
89	40.5	34.2	51.2

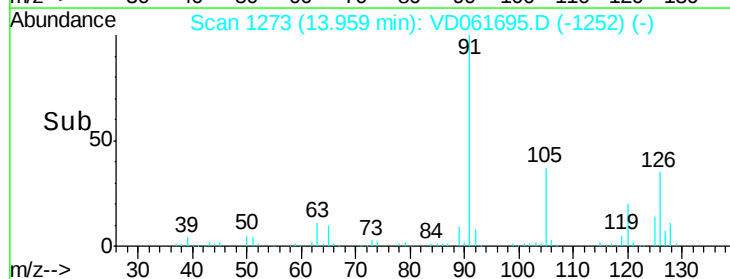
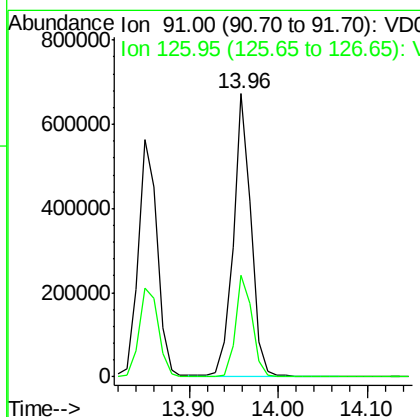
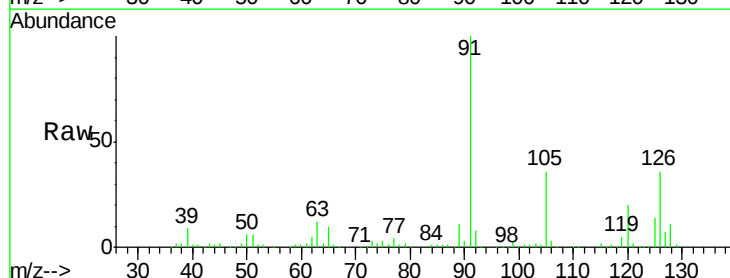
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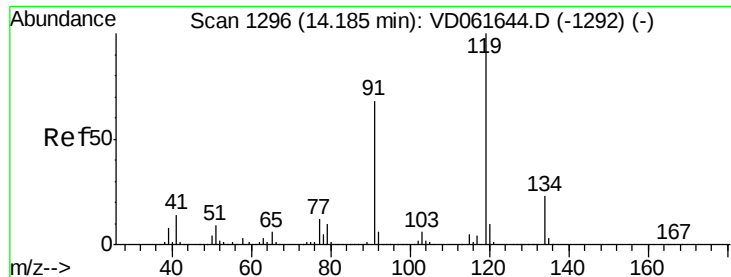
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#82
4-Chlorotoluene
Concen: 50.862 ug/l
RT: 13.96 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	19.0	57.0





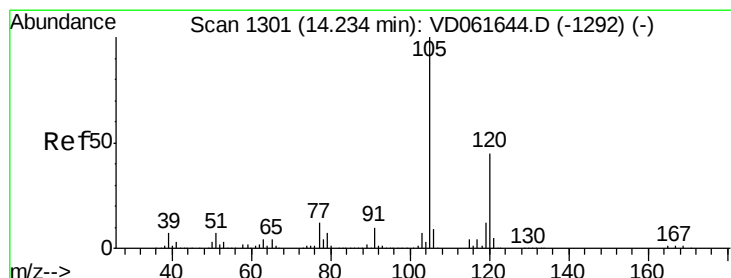
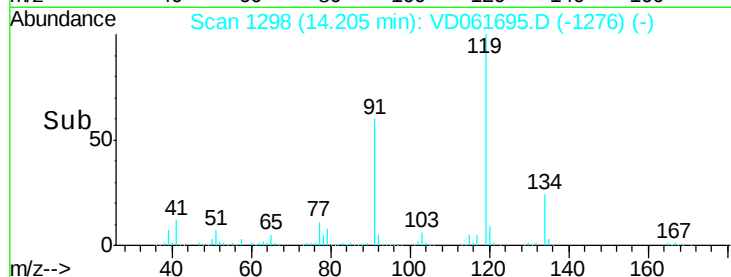
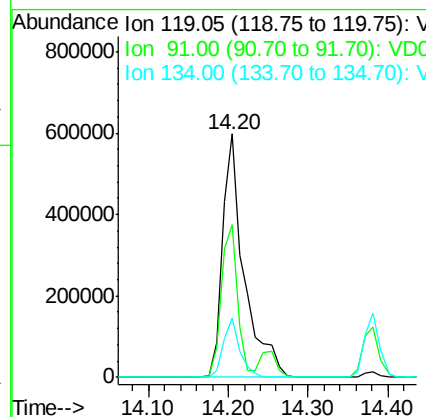
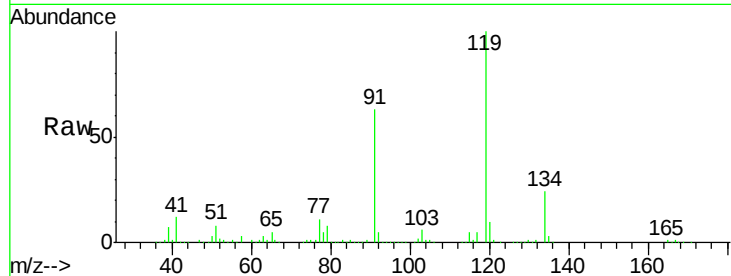
#83
tert-Butylbenzene
Concen: 48.009 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	33.9	101.6
134	24.4	11.6	34.8

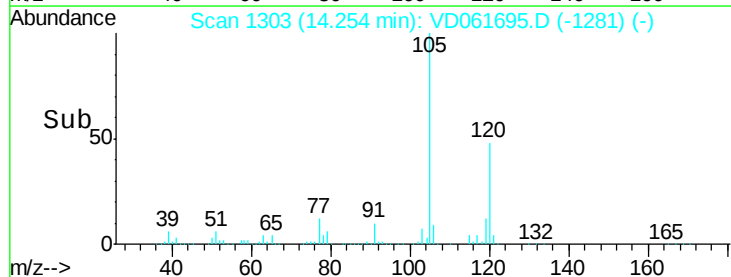
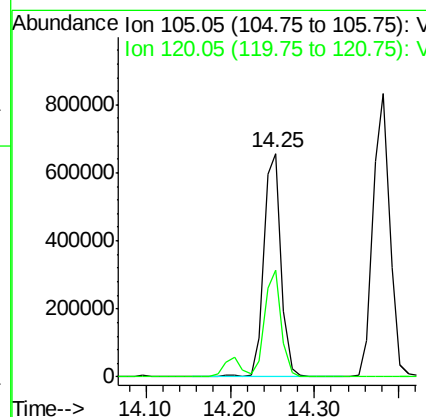
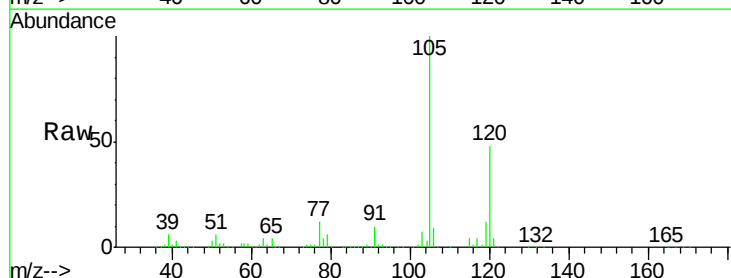
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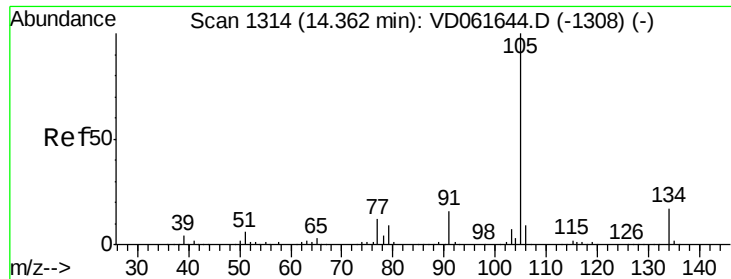
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4/11/2019 3:00:09 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.229 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	22.6	67.8





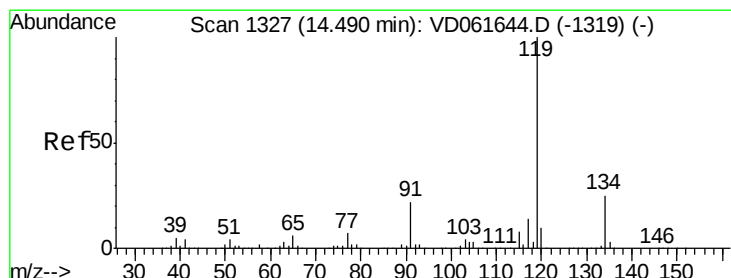
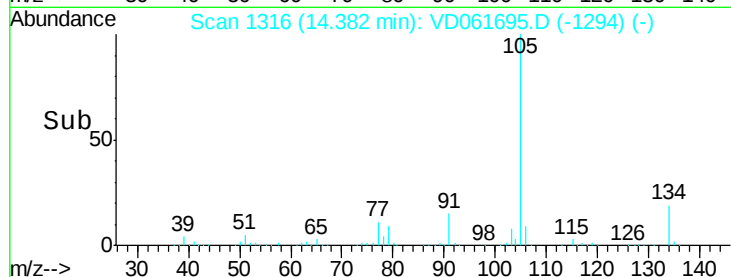
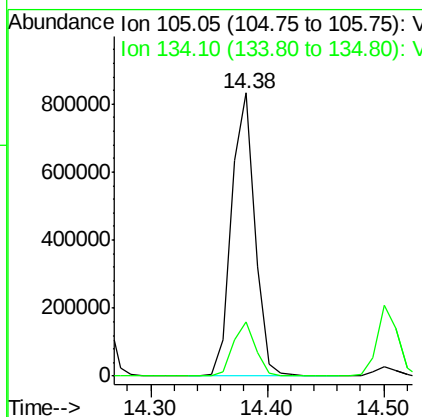
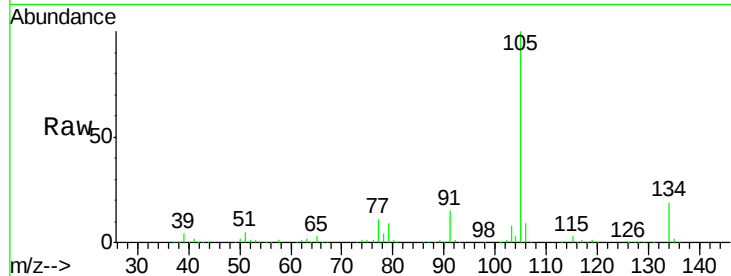
#85
 sec-Butylbenzene
 Concen: 44.827 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.02 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1145116
 Ion Ratio Lower Upper
 105 100
 134 19.1 8.6 25.7

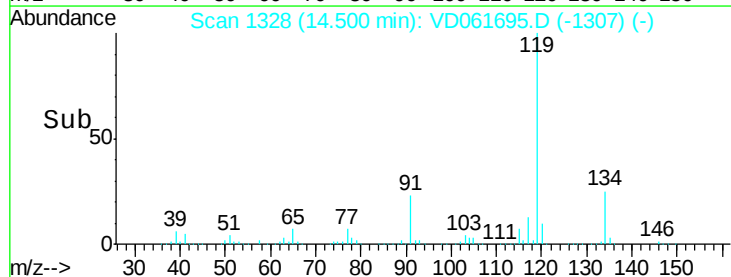
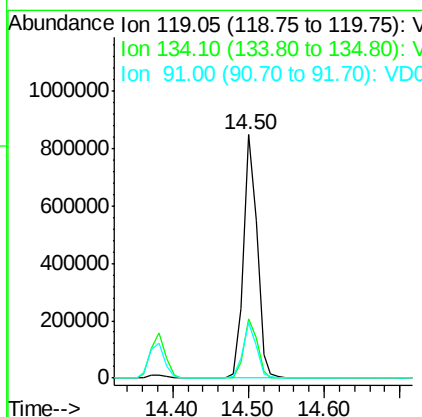
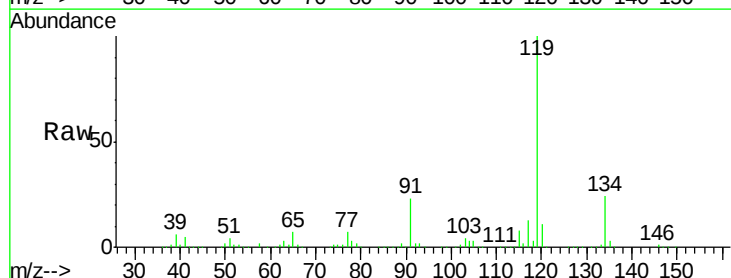
Manual Integrations
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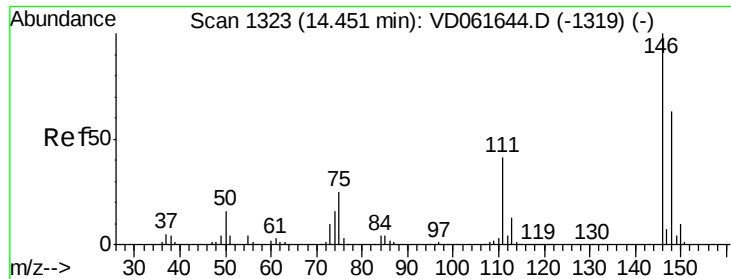
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 4/11/2019 3:00:09 AM



#86
 p-Isopropyltoluene
 Concen: 47.290 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Tgt Ion:119 Resp: 1047983
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.5 37.5
 91 22.8 11.0 33.0





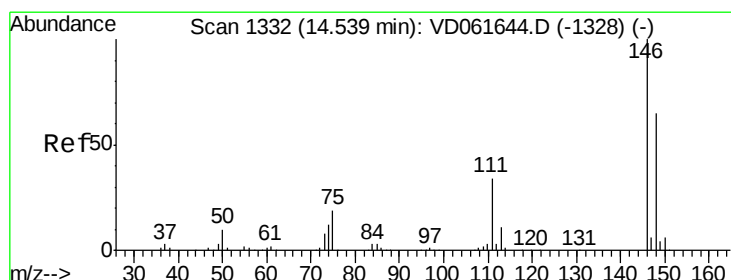
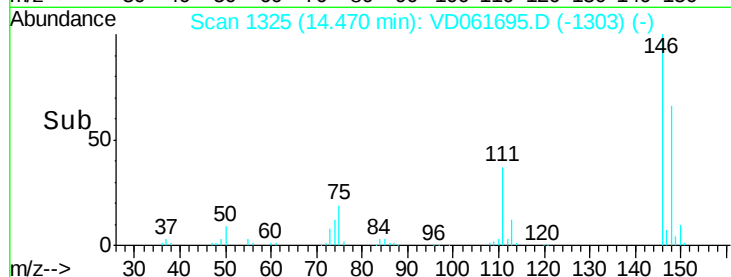
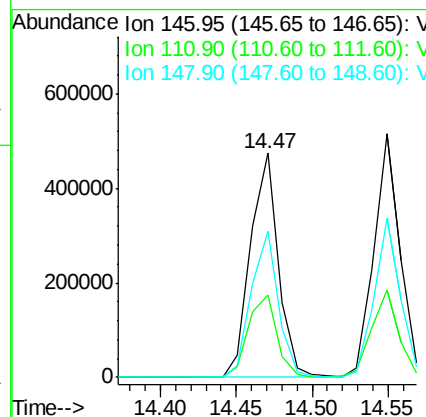
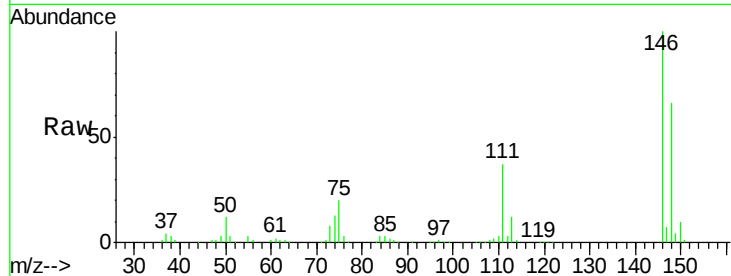
#87
 1,3-Dichlorobenzene
 Concen: 49.210 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.02 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	20.3	61.0
148	65.6	31.7	95.1

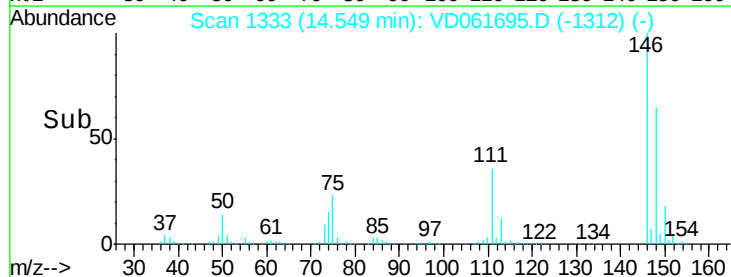
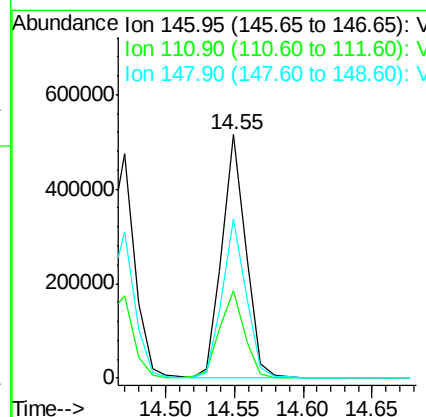
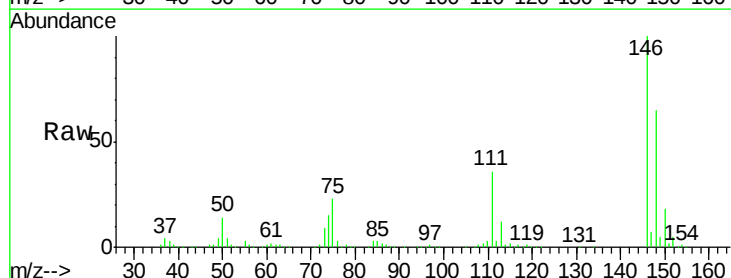
Manual Integrations
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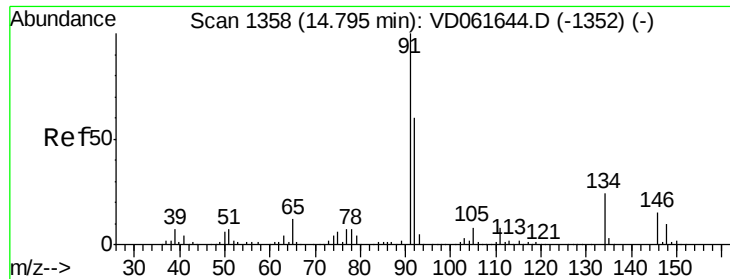
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#88
 1,4-Dichlorobenzene
 Concen: 49.696 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.1	51.2
148	65.5	32.6	97.7





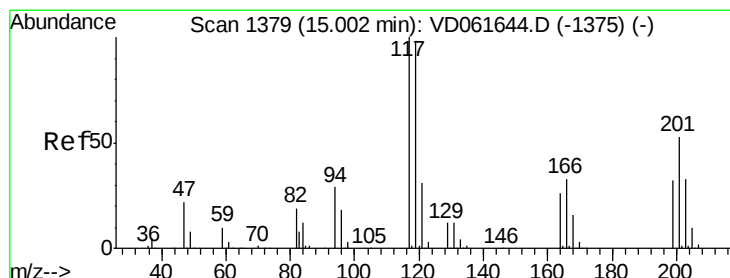
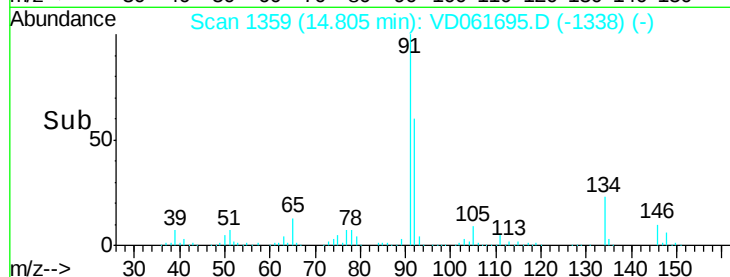
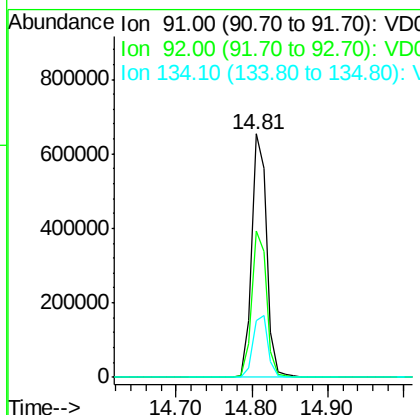
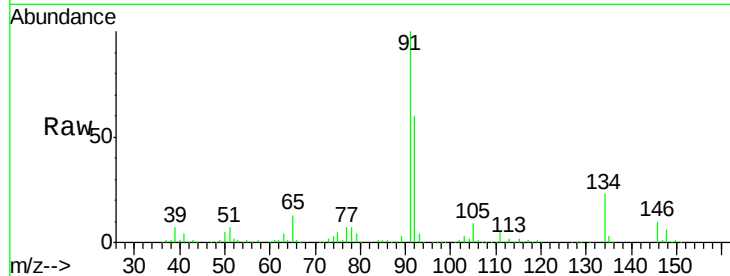
#89
n-Butylbenzene
Concen: 47.033 ug/l
RT: 14.81 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	60.4	29.8	89.4	
134	23.1	12.2	36.4	

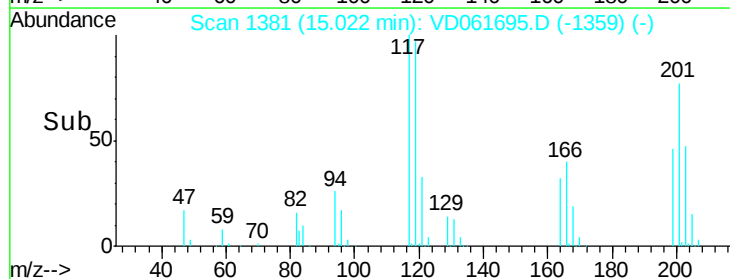
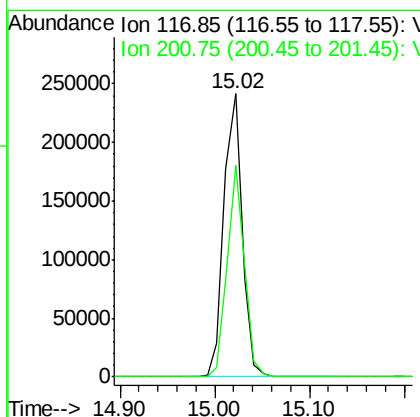
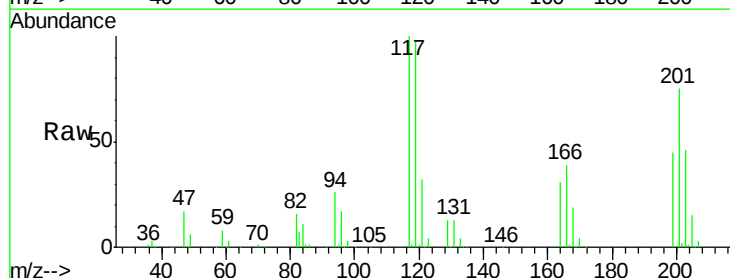
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#90
Hexachloroethane
Concen: 53.882 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.02 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	74.8	26.3	78.8	





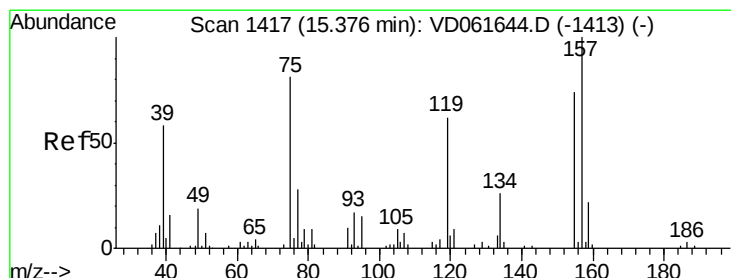
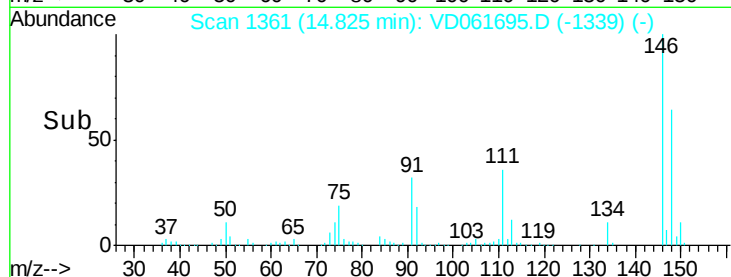
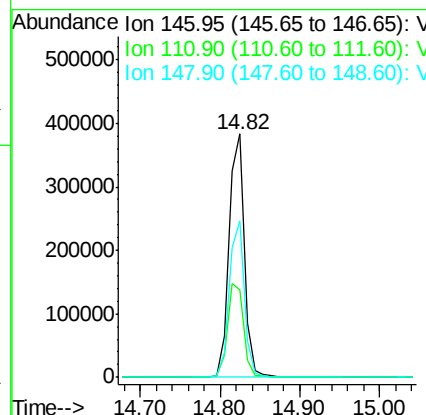
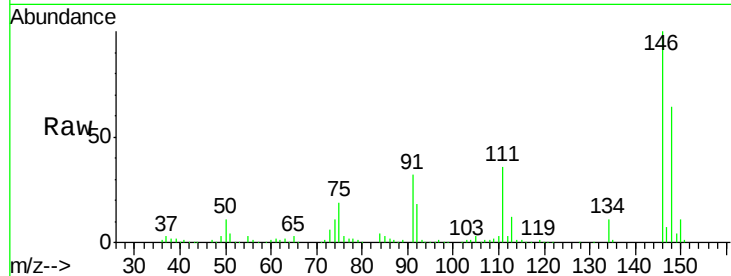
#91
 1,2-Dichlorobenzene
 Concen: 51.171 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	21.1	63.3
148	64.5	31.7	95.1

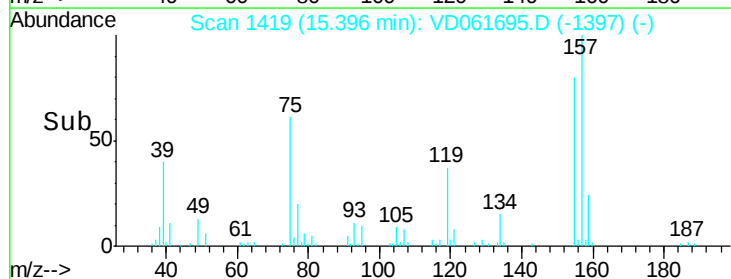
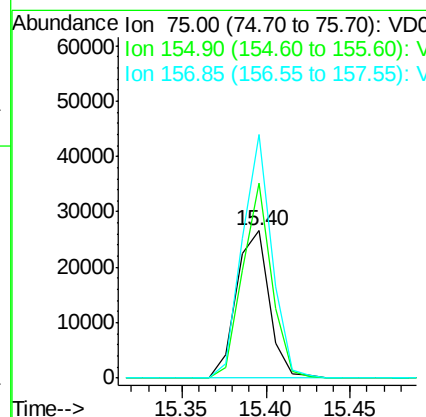
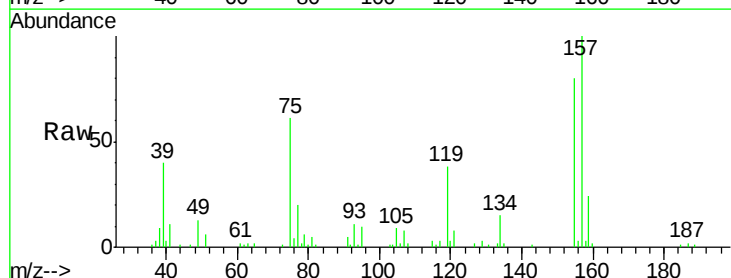
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.435 ug/l
 RT: 15.40 min Scan# 1419
 Delta R.T. 0.02 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	132.2	45.6	136.7
157	165.3	61.4	184.2





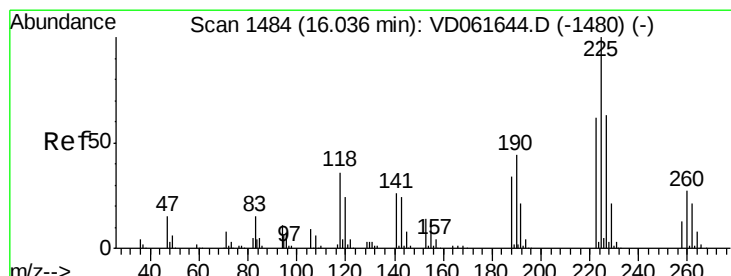
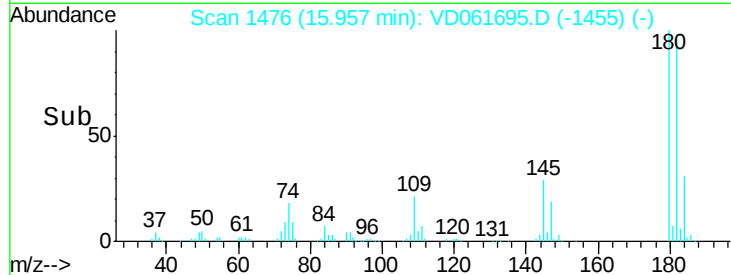
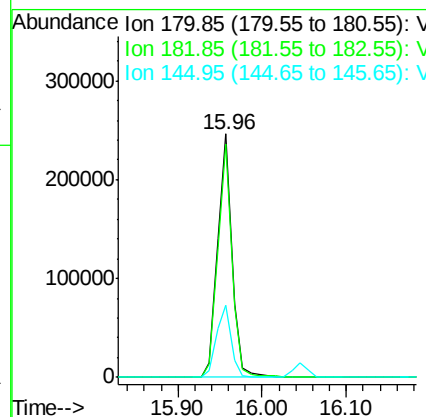
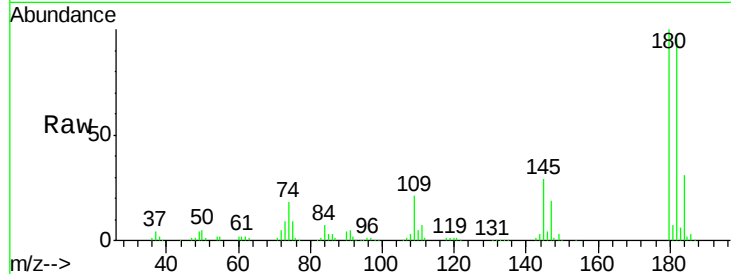
#93
 1,2,4-Trichlorobenzene
 Concen: 56.757 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	294137		
182	95.8	47.8	143.3	
145	29.4	13.3	39.8	

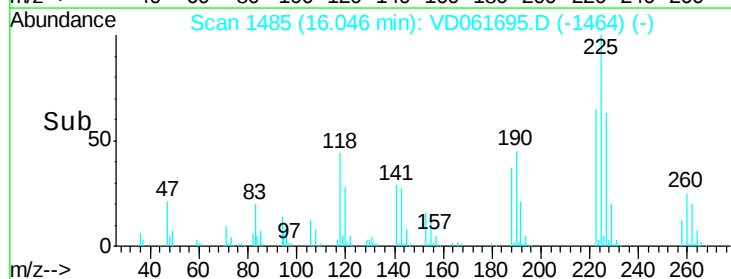
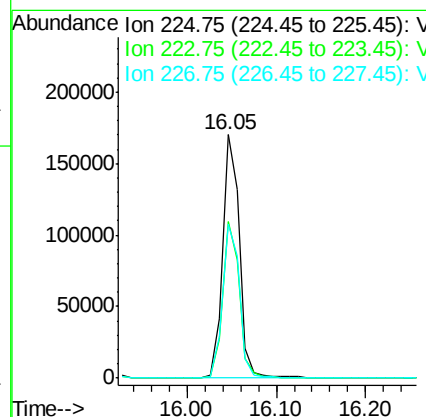
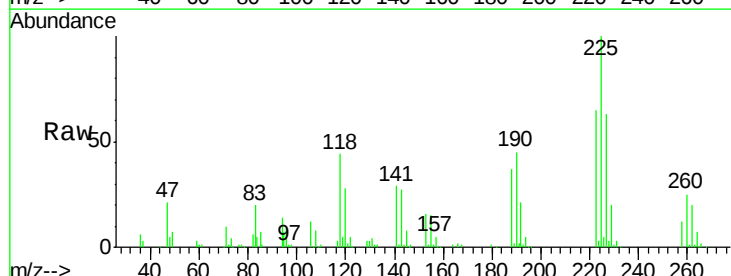
Manual Integrations
 APPROVED

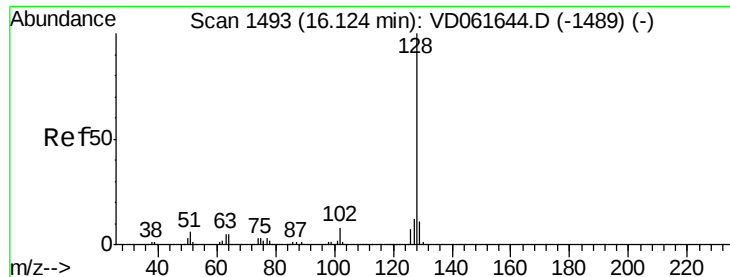
MMDadoda
 4/11/2019 3:00:09 AM



#94
 Hexachlorobutadiene
 Concen: 55.948 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061695.D
 Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	223883		
223	64.5	30.8	92.3	
227	63.4	31.5	94.5	





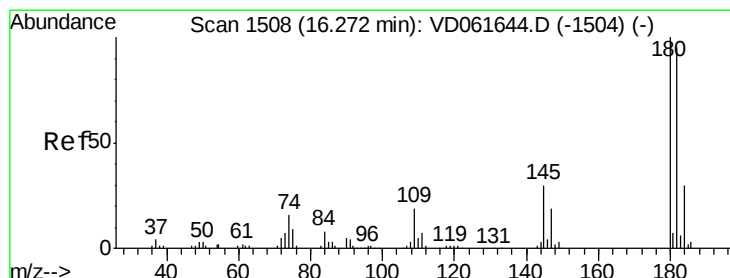
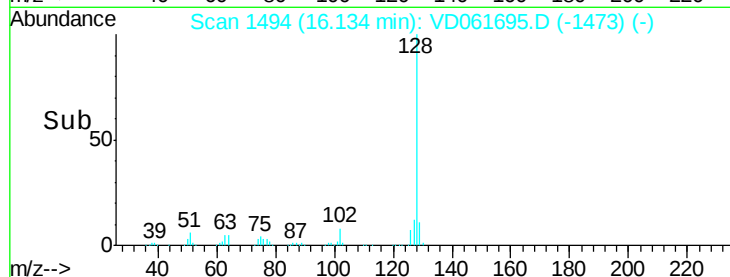
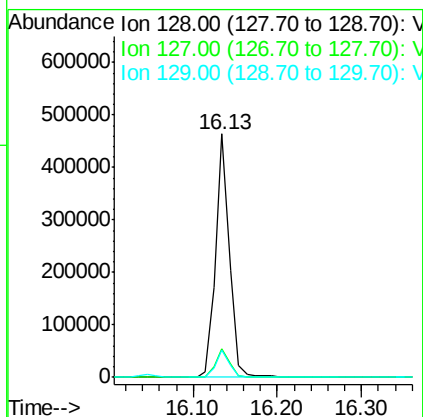
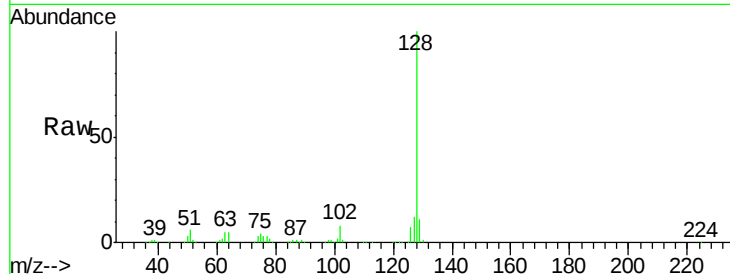
#95
Naphthalene
Concen: 64.539 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	529220		
127	11.8		9.4	14.2
129	11.4		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/11/2019 3:00:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 71.977 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061695.D
Acq: 10 Apr 2019 2:03

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	186162		
182	95.7		47.3	142.0
145	30.5		15.1	45.3

