

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061305.D
 Acq On : 25 Mar 2019 16:43
 Operator : VA/AP
 Sample : K2043-08MS
 Misc : 6.18g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB441-190319-(23-25)MS

Manual Integrations
 APPROVED

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 3/26/2019 12:28:43 PM

Quant Time: Mar 26 07:51:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	696019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1188637	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	931687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	344005	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	316536	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
35) Dibromofluoromethane	6.93	113	499130	54.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.76%	
50) Toluene-d8	10.41	98	1101042	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	13.55	95	374186	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.59	85	344583	48.422	ug/l	99
3) Chloromethane	1.77	50	278552	50.178	ug/l	95
4) Vinyl Chloride	1.86	62	659130	126.988	ug/l	99
5) Bromomethane	2.16	94	56134	53.284	ug/l	99
6) Chloroethane	2.28	64	98201	60.139	ug/l	96
7) Trichlorofluoromethane	2.55	101	347017	45.230	ug/l	99
8) Diethyl Ether	2.88	74	133736	58.624	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.17	101	363908	46.600	ug/l	97
10) Methyl Iodide	3.33	142	604716	55.428	ug/l	96
11) Tert butyl alcohol	4.06	59	106361	332.725	ug/l	99
12) 1,1-Dichloroethene	3.14	96	336932	50.142	ug/l	99
13) Acrolein	3.05	56	69307	198.074	ug/l	95
14) Allyl chloride	3.63	41	488743	51.273	ug/l	99
15) Acrylonitrile	4.20	53	331248	294.650	ug/l	98
16) Acetone	3.23	43	456907	318.098	ug/l	95
17) Carbon Disulfide	3.40	76	1161184	52.032	ug/l	99
18) Methyl Acetate	3.65	43	147110	54.184	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	668650	56.503	ug/l	100
20) Methylene Chloride	3.83	84	417012	51.152	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	437361	58.181	ug/l	95
22) Diisopropyl ether	5.14	45	1098824	54.721	ug/l	98
23) Vinyl Acetate	5.07	43	2883921	268.901	ug/l	99
24) 1,1-Dichloroethane	5.00	63	648368	55.408	ug/l	99
25) 2-Butanone	6.08	43	470306	283.084	ug/l	100
26) 2,2-Dichloropropane	6.03	77	492158	49.532	ug/l	84
27) cis-1,2-Dichloroethene	6.05	96	1880404	232.447	ug/l	93
28) Bromochloromethane	6.45	49	273874	55.917	ug/l	98
29) Tetrahydrofuran	6.47	42	234692	283.806	ug/l	99
30) Chloroform	6.67	83	647694	51.941	ug/l	99
31) Cyclohexane	6.97	56	440155	46.344	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	551640	49.950	ug/l	99
36) 1,1-Dichloropropene	7.16	75	441870	45.437	ug/l	99
37) Ethyl Acetate	6.19	43	226857	55.849	ug/l #	86
38) Carbon Tetrachloride	7.13	117	499508m	44.940	ug/l	

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	331699	32.933	ug/l	98
40) Benzene	7.46	78	1243618	51.490	ug/l	100
41) Methacrylonitrile	6.45	41	259026	54.876	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	378167	50.239	ug/l	98
43) Isopropyl Acetate	9.24	43	323166	55.178	ug/l #	100
44) Trichloroethene	8.54	130	453899	51.964	ug/l	97
45) 1,2-Dichloropropane	8.95	63	310806	52.139	ug/l	96
46) Dibromomethane	9.07	93	208916	51.129	ug/l	99
47) Bromodichloromethane	9.38	83	477651	49.874	ug/l	99
48) Methyl methacrylate	9.12	41	176686	56.521	ug/l	97
49) 1,4-Dioxane	9.09	88	40223	1172.733	ug/l #	95
51) 4-Methyl-2-Pentanone	10.31	43	941115	269.928	ug/l	96
52) Toluene	10.51	92	687544	46.524	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	445957	53.580	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	500336	49.229	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	249315	50.815	ug/l	99
56) Ethyl methacrylate	11.04	69	288543	55.113	ug/l	95
57) 1,3-Dichloropropane	11.41	76	388510	52.431	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	736339	270.344	ug/l	99
59) 2-Hexanone	11.54	43	670722	264.873	ug/l	99
60) Dibromochloromethane	11.68	129	401397	52.234	ug/l	99
61) 1,2-Dibromoethane	11.81	107	301405	52.577	ug/l	99
64) Tetrachloroethene	11.26	164	284421	44.315	ug/l	98
65) Chlorobenzene	12.40	112	874465	50.957	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	359696	54.063	ug/l	99
67) Ethyl Benzene	12.52	91	1254678	47.774	ug/l	97
68) m/p-Xylenes	12.67	106	936928	91.392	ug/l	100
69) o-Xylene	13.05	106	487135	51.234	ug/l	100
70) Styrene	13.07	104	805779	49.935	ug/l	99
71) Bromoform	13.24	173	207060	50.857	ug/l	99
73) Isopropylbenzene	13.41	105	1170296	52.304	ug/l	99
74) N-amyl acetate	13.27	43	351471	60.041	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	276366	63.694	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	267703	62.575	ug/l	97
77) Bromobenzene	13.67	156	345936	55.350	ug/l	99
78) n-propylbenzene	13.77	91	1260119	49.919	ug/l	100
79) 2-Chlorotoluene	13.84	91	712361	48.467	ug/l	98
80) 1,3,5-Trimethylbenzene	14.24	105	891343	50.498	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	80103	59.330	ug/l	98
82) 4-Chlorotoluene	13.95	91	783913	48.787	ug/l	100
83) tert-Butylbenzene	14.19	119	941272	46.705	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	891343	50.498	ug/l	100
85) sec-Butylbenzene	14.37	105	778104	34.668	ug/l	99
86) p-Isopropyltoluene	14.49	119	748763	37.393	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	540706	48.808	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	540472	50.364	ug/l	100
89) n-Butylbenzene	14.79	91	546938	30.765	ug/l	98
90) Hexachloroethane	15.01	117	185302	34.515	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	485534	54.927	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	29393	54.212	ug/l	93

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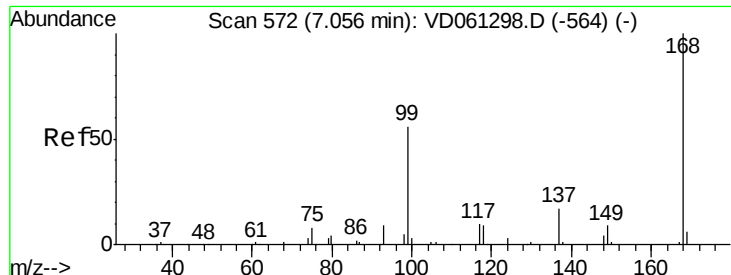
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	139344	34.132	ug/l	100
94) Hexachlorobutadiene	16.04	225	52767	16.041	ug/l	100
95) Naphthalene	16.12	128	309303	51.924	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	62740	32.904	ug/l	96

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



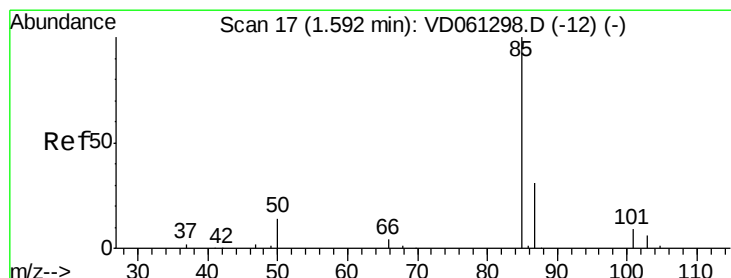
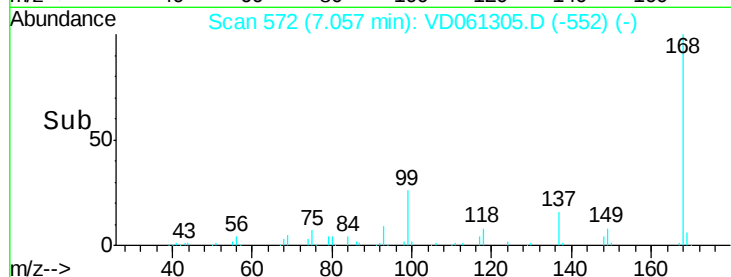
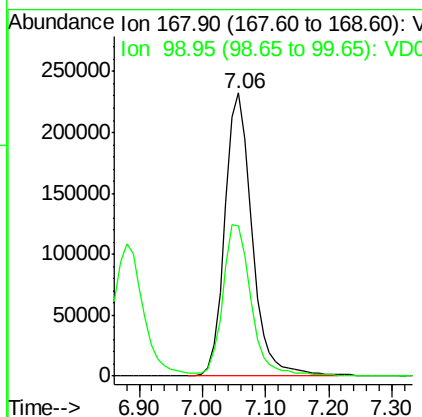
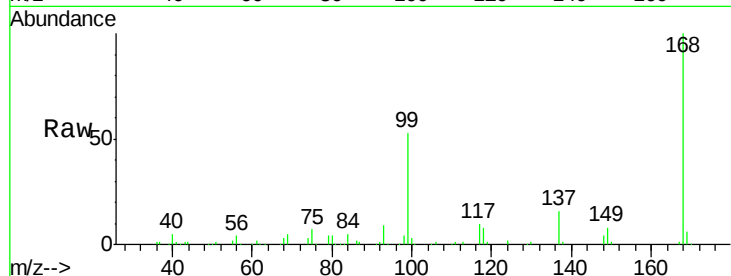
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

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Tot Ion	Ratio	Lower	Upper
168	100		
99	52.9	45.8	68.8

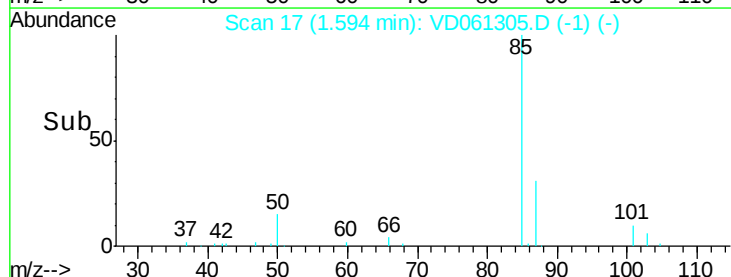
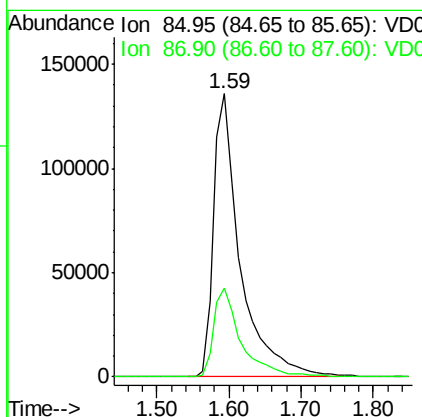
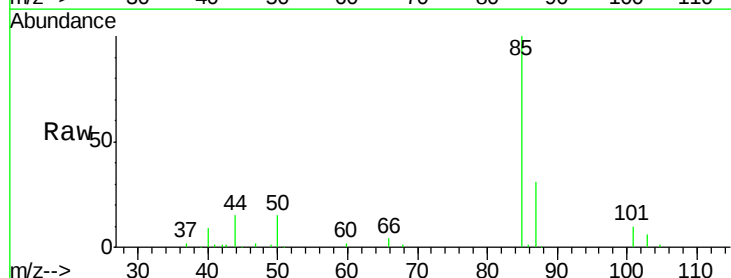
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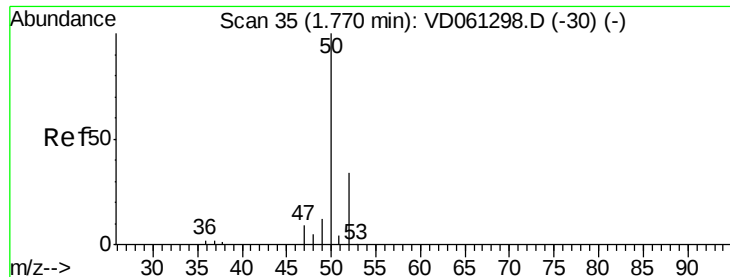
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#2
Dichlorodifluoromethane
Concen: 48.422 ug/l
RT: 1.59 min Scan# 17
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.4	46.4





#3

Chloromethane

Concen: 50.178 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion: 50 Resp: 278552

Ion Ratio Lower Upper

50 100

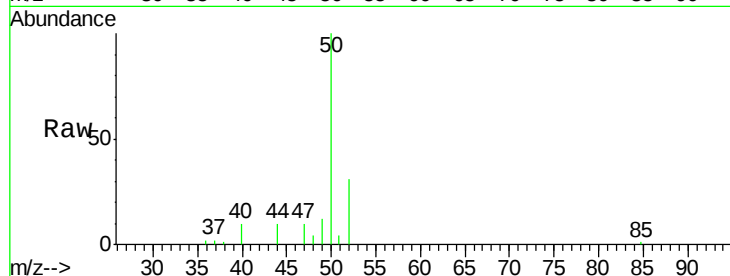
52 31.3 27.1 40.7

Manual Integrations

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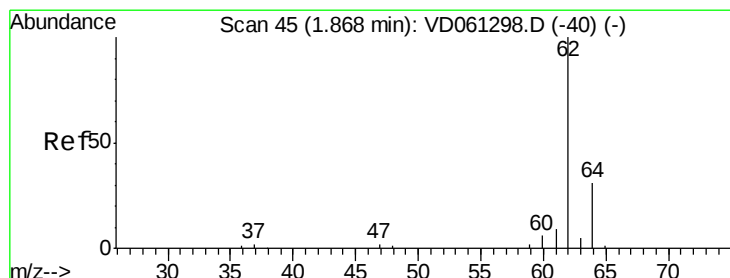
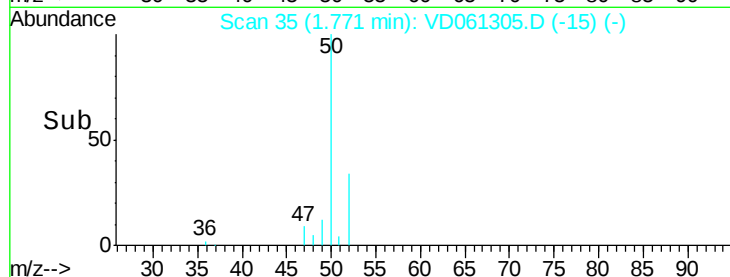
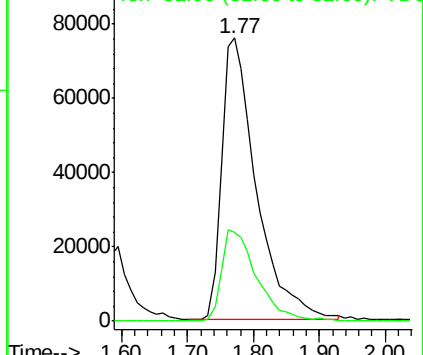
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 126.988 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061305.D

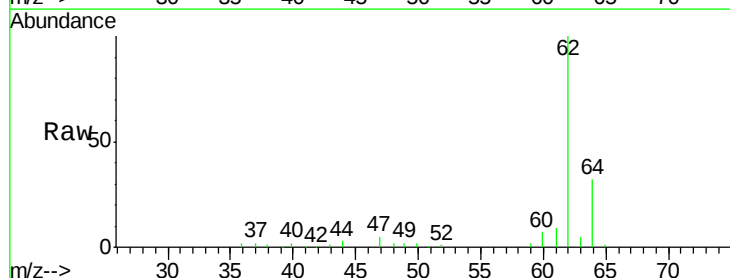
Acq: 25 Mar 2019 16:43

Tgt Ion: 62 Resp: 659130

Ion Ratio Lower Upper

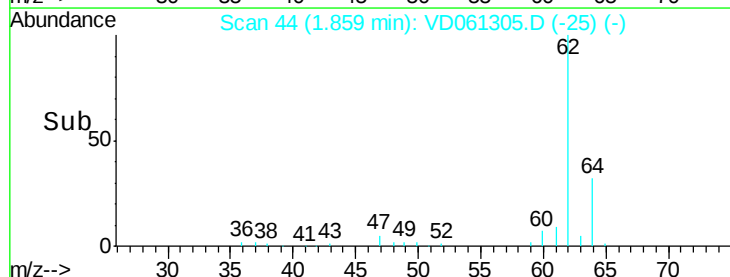
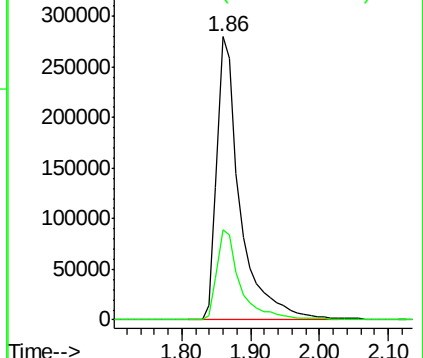
62 100

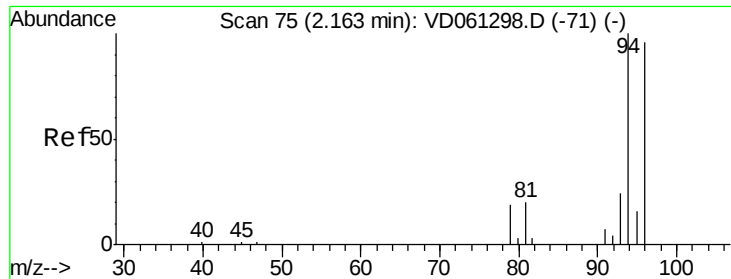
64 31.7 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 53.284 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

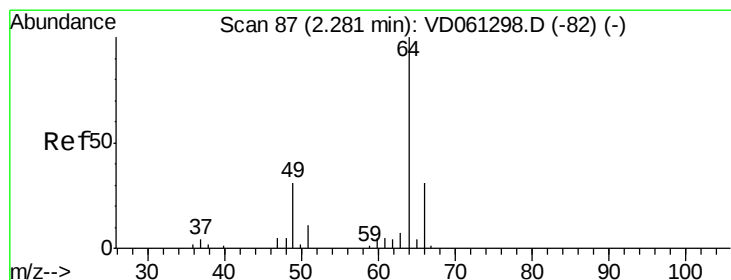
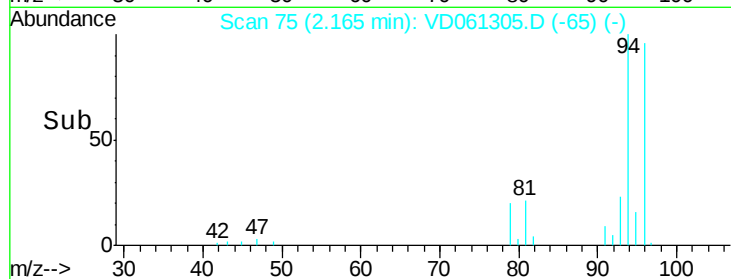
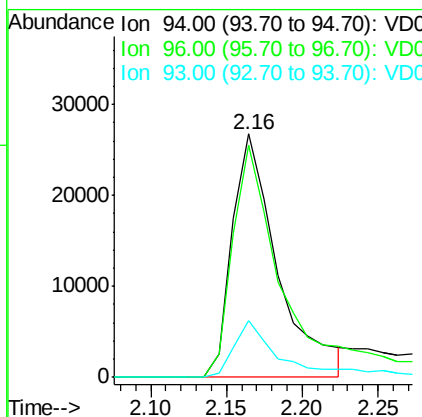
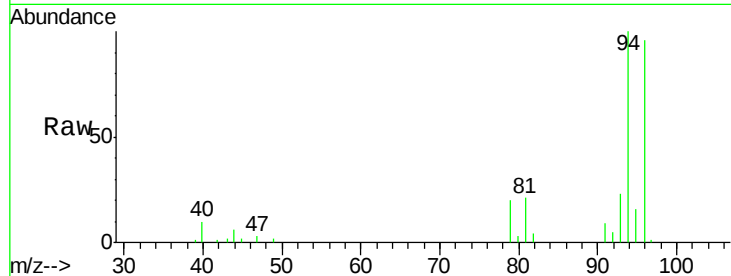
ClientSampleId :

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Tot Ion:	94	Resp:	56134
Ion	Ratio	Lower	Upper
94	100		
96	95.5	76.9	115.3
93	23.4	18.8	28.2

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#6

Chloroethane

Concen: 60.139 ug/l

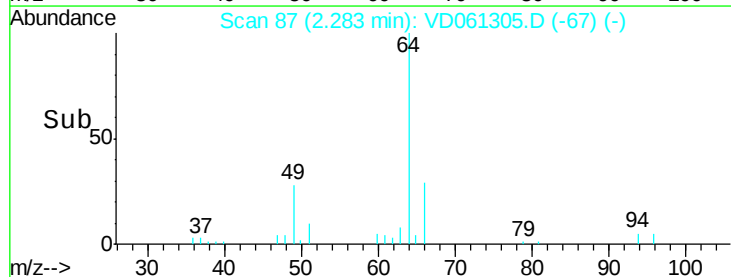
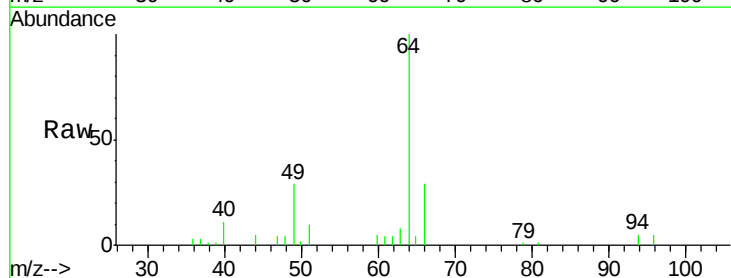
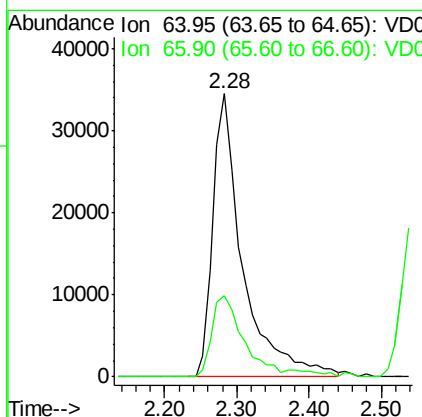
RT: 2.28 min Scan# 87

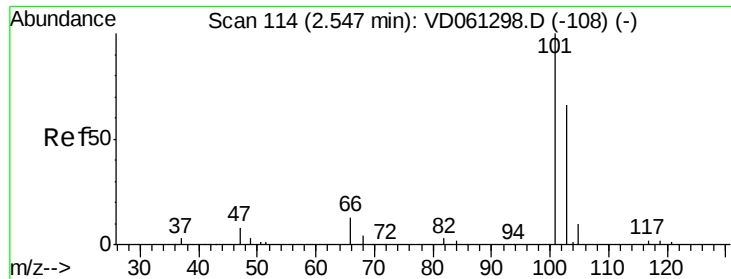
Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion:	64	Resp:	98201
Ion	Ratio	Lower	Upper
64	100		
66	28.8	24.6	36.8





#7

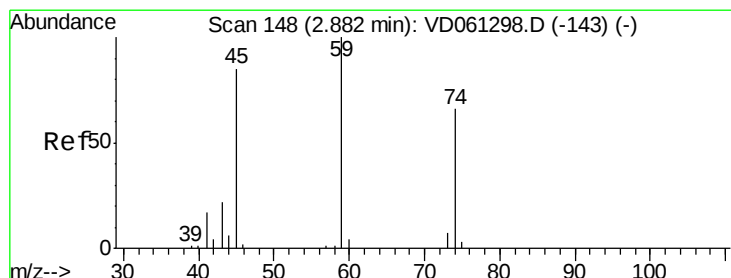
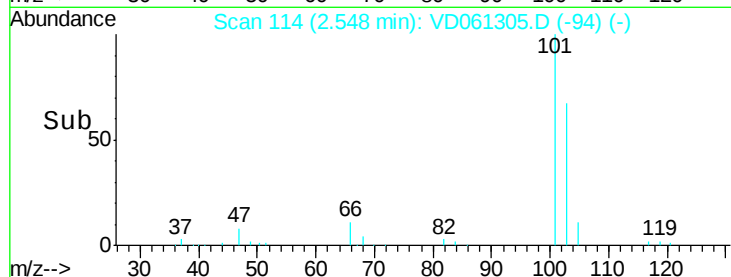
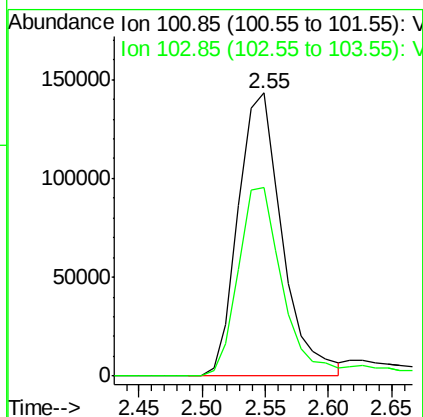
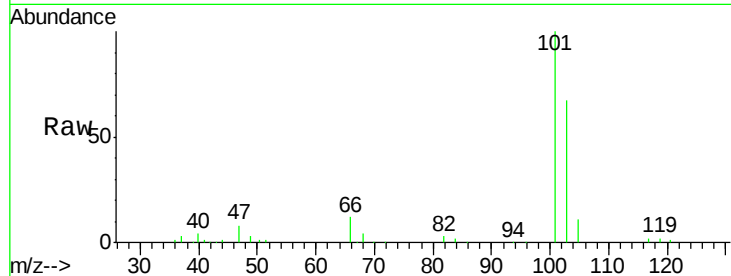
Trichlorofluoromethane
 Concen: 45.230 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.00 min
 Lab File: VD061305.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	52.6	79.0

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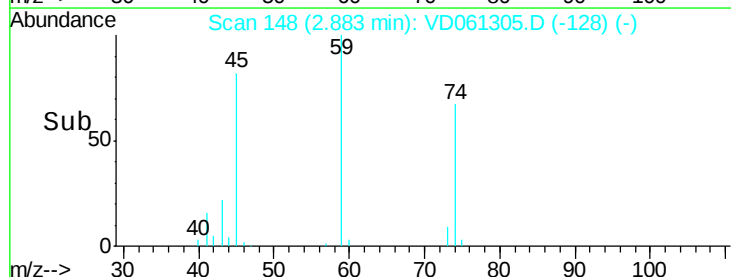
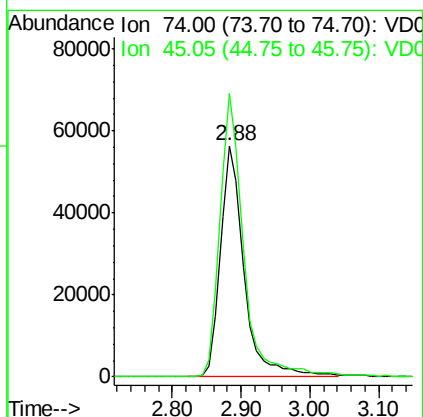
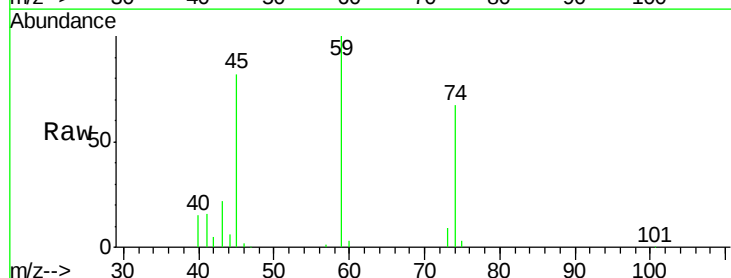
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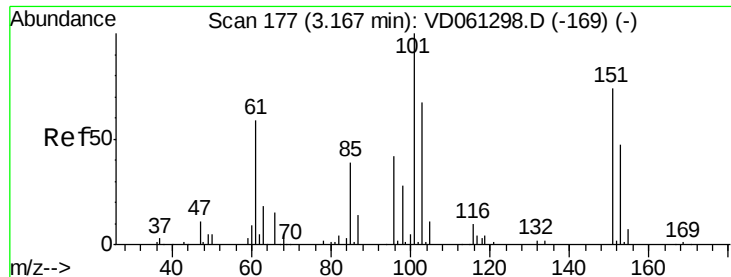


#8

Diethyl Ether
 Concen: 58.624 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	122.3	64.3	192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.600 ug/l

RT: 3.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

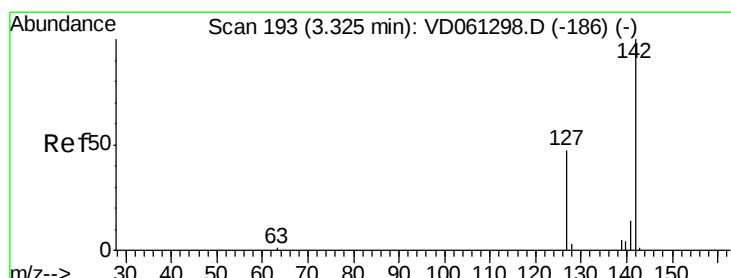
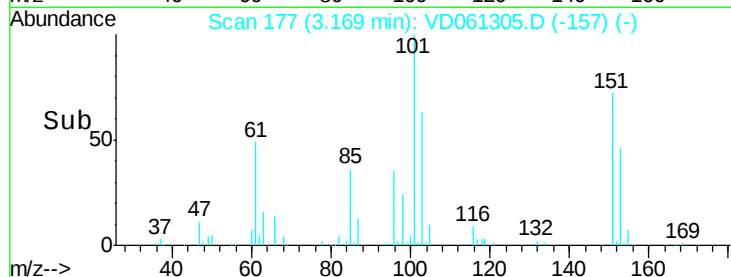
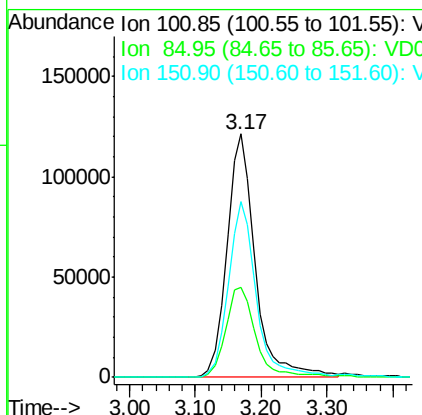
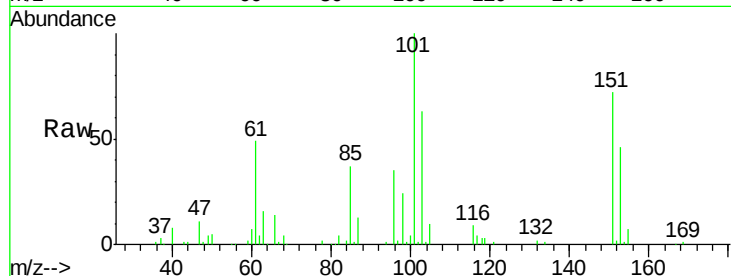
ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion:	101	Resp:	363908
Ion Ratio	Lower	Upper	
101	100		
85	36.8	31.6	47.4
151	72.2	59.3	88.9

Manual Integrations
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#10

Methyl Iodide

Concen: 55.428 ug/l

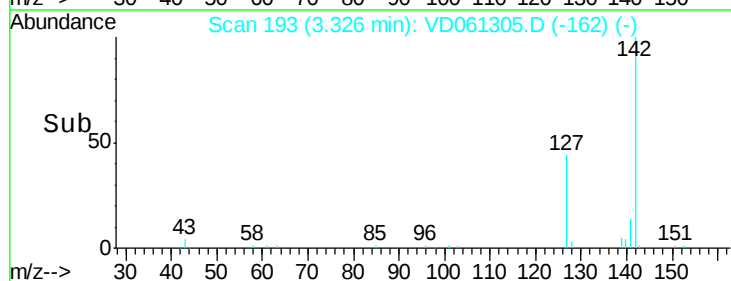
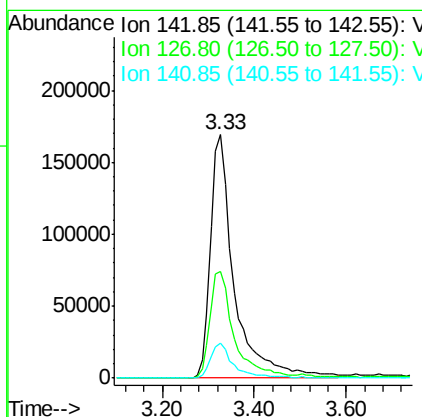
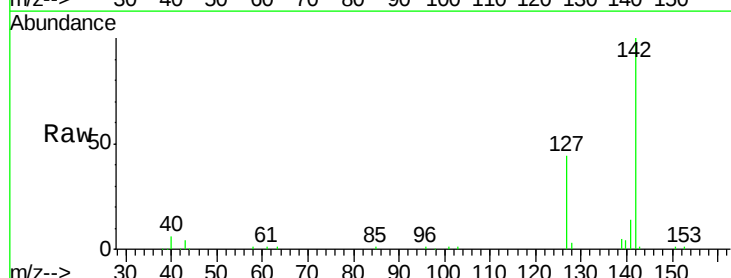
RT: 3.33 min Scan# 193

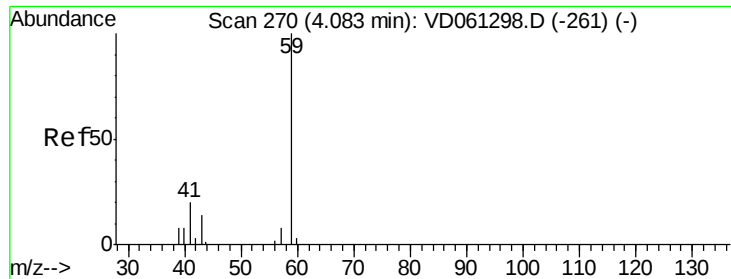
Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion:	142	Resp:	604716
Ion Ratio	Lower	Upper	
142	100		
127	43.8	37.8	56.6
141	14.2	11.6	17.4





#11

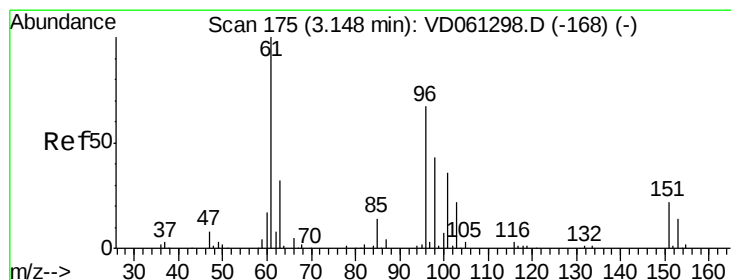
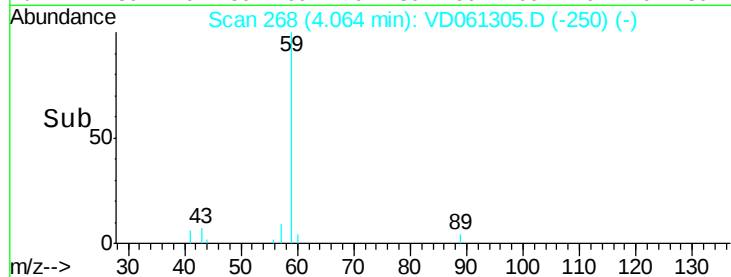
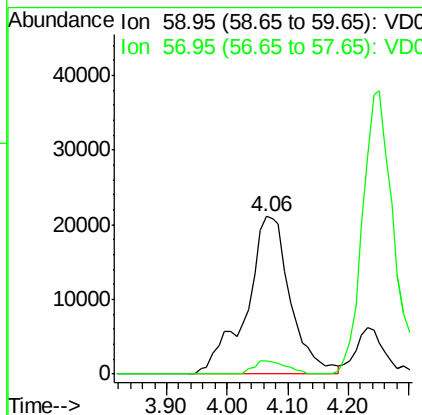
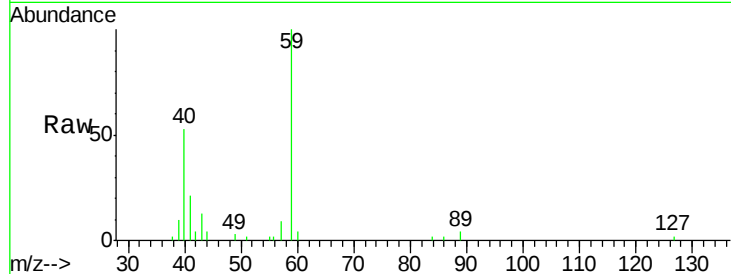
Tert butyl alcohol
Concen: 332.725 ug/l
RT: 4.06 min Scan# 268
Delta R.T. -0.02 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion: 59 Resp: 106361
Ion Ratio Lower Upper
59 100
57 8.7 6.6 9.8

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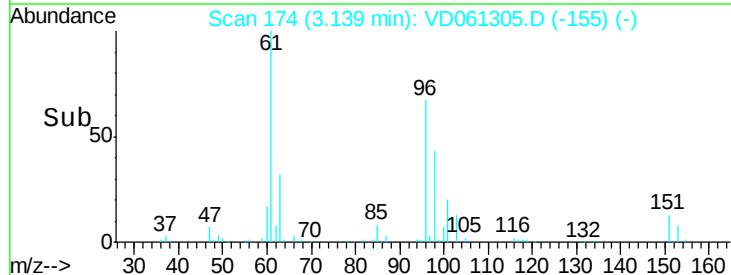
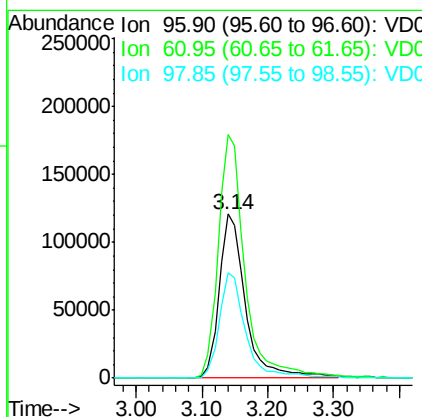
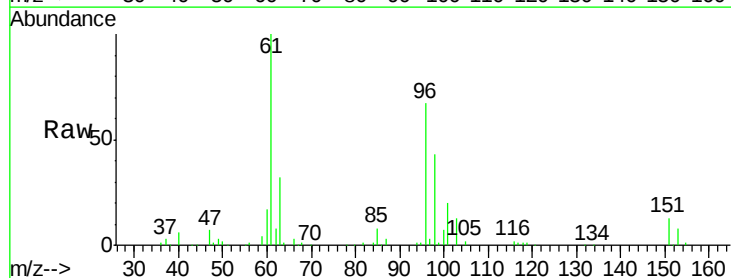
MMDadoda
3/26/2019 12:28:43 PM

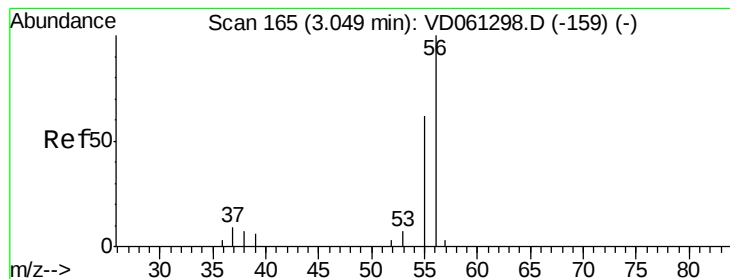


#12

1,1-Dichloroethene
Concen: 50.142 ug/l
RT: 3.14 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion: 96 Resp: 336932
Ion Ratio Lower Upper
96 100
61 148.6 120.2 180.2
98 64.1 52.2 78.4





#13

Acrolein

Concen: 198.074 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion: 56 Resp: 69307

Ion Ratio Lower Upper

56 100

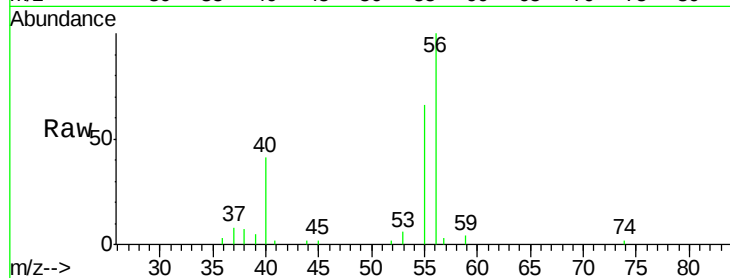
55 66.0 49.8 74.6

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.05

25000

20000

15000

10000

5000

0

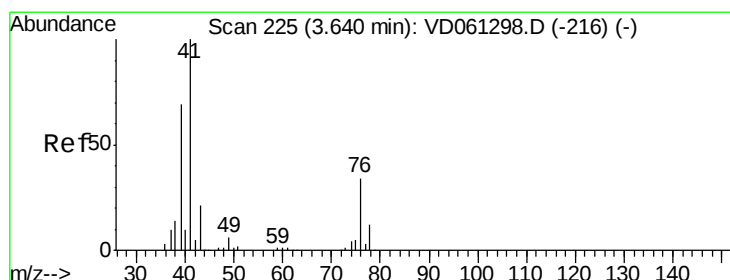
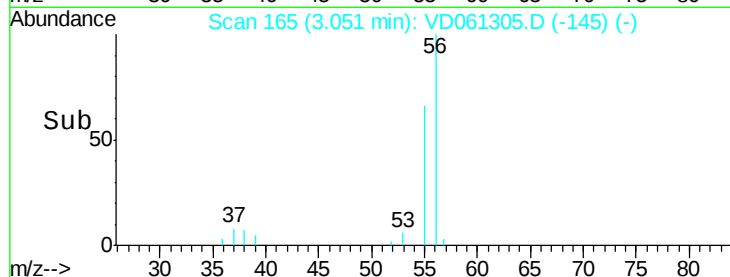
Time-->

2.90

3.00

3.10

3.20



#14

Allyl chloride

Concen: 51.273 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

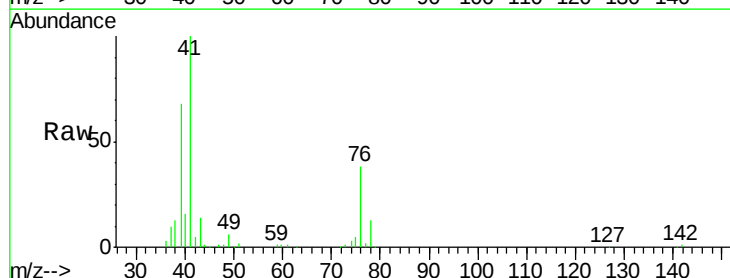
Tgt Ion: 41 Resp: 488743

Ion Ratio Lower Upper

41 100

39 67.9 55.1 82.7

76 38.2 30.2 45.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.63

200000

150000

100000

50000

0

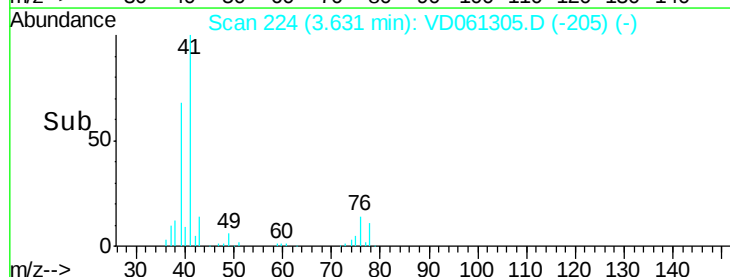
Time-->

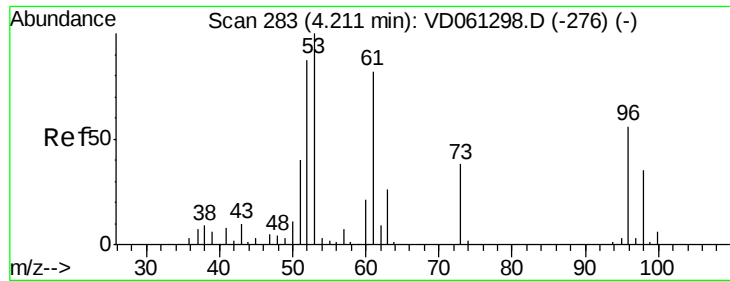
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 294.650 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

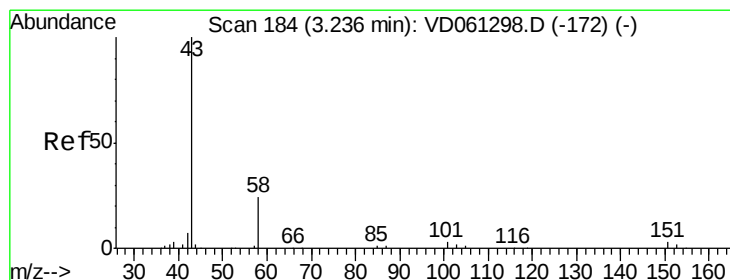
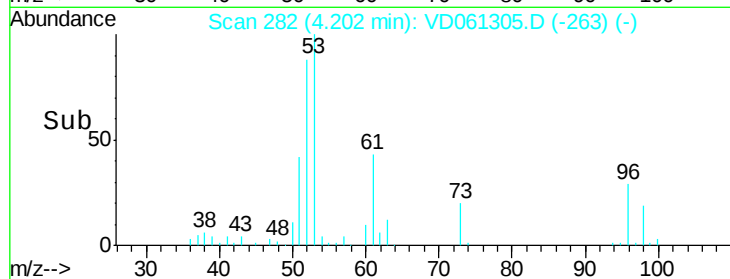
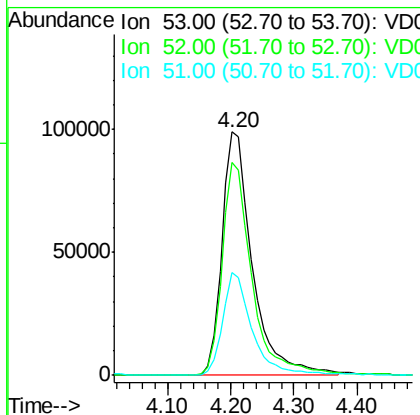
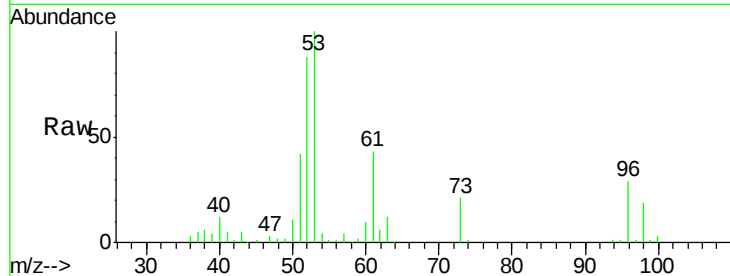
ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion:	53	Resp:	331248
Ion Ratio	Lower	Upper	
53	100		
52	87.6	69.4	104.2
51	42.4	31.7	47.5

Manual Integrations
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#16

Acetone

Concen: 318.098 ug/l

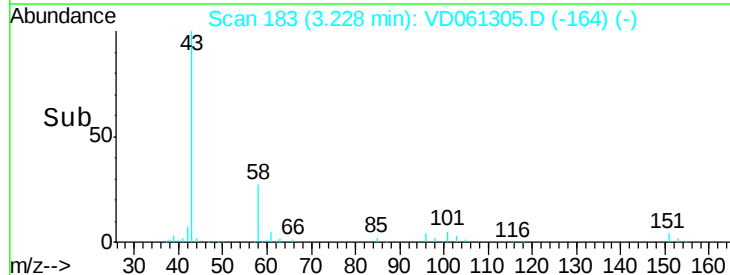
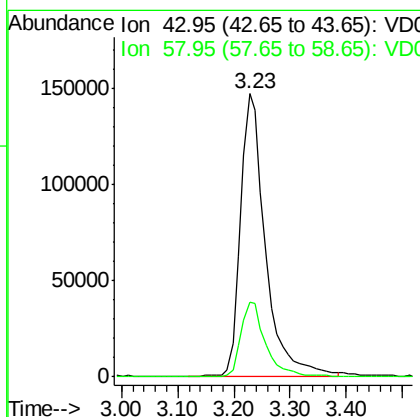
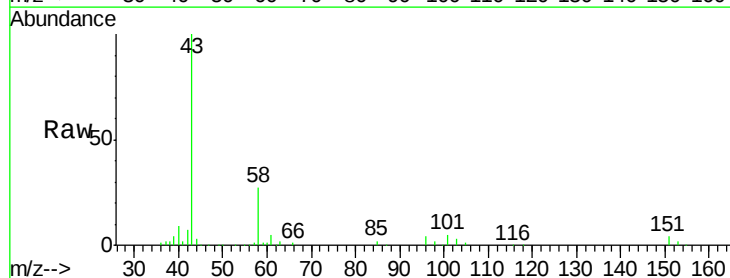
RT: 3.23 min Scan# 183

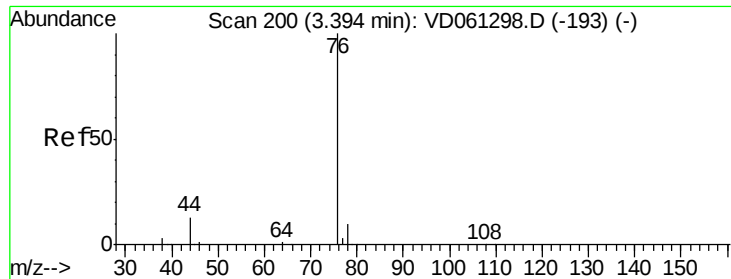
Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion:	43	Resp:	456907
Ion Ratio	Lower	Upper	
43	100		
58	26.6	19.4	29.0





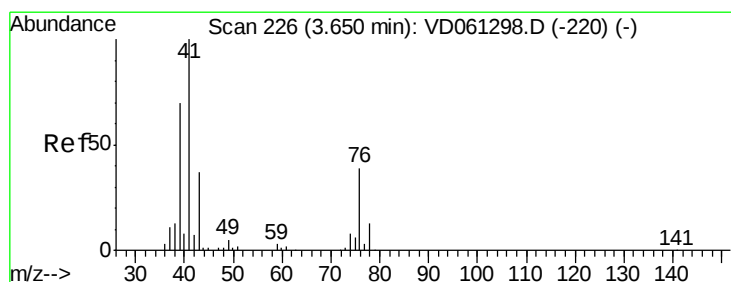
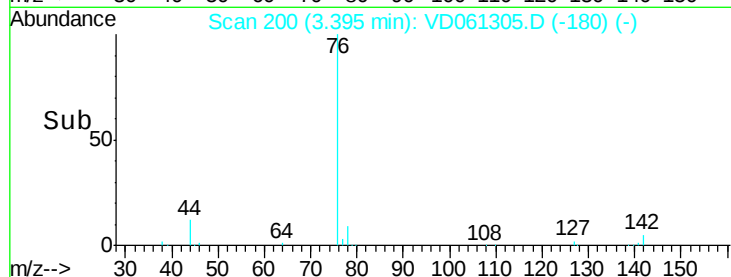
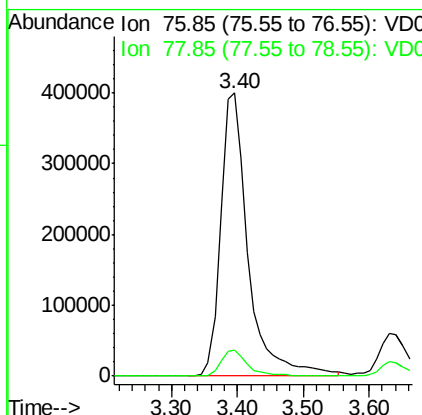
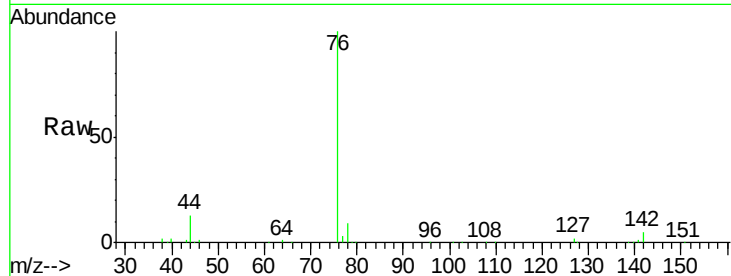
#17
Carbon Disulfide
Concen: 52.032 ug/l
RT: 3.40 min Scan# 200
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion: 76 Resp: 1161184
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.6

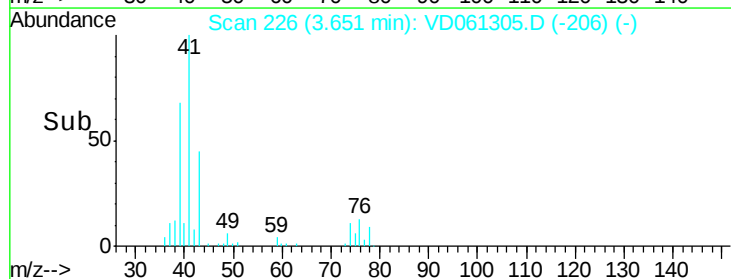
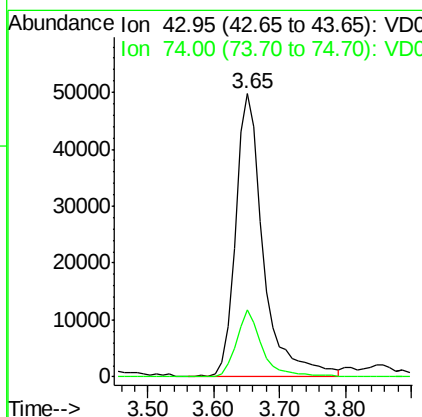
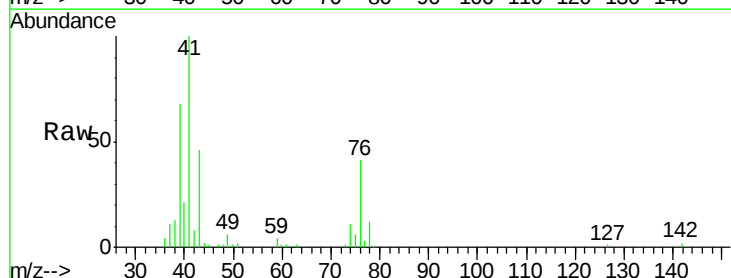
Manual Integrations
APPROVED

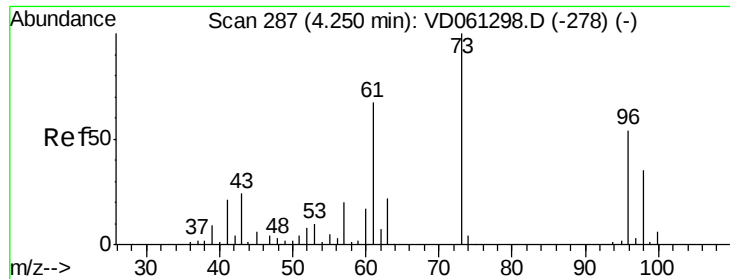
MMDadoda
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#18
Methyl Acetate
Concen: 54.184 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion: 43 Resp: 147110
Ion Ratio Lower Upper
43 100
74 23.7 16.6 25.0





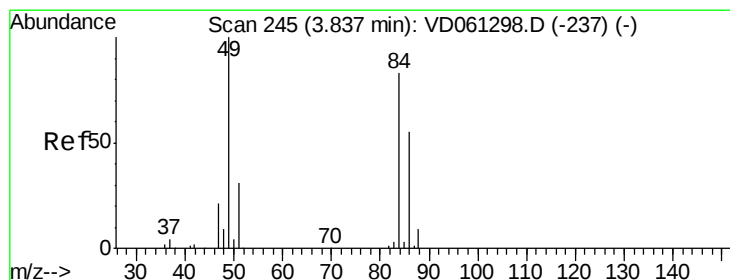
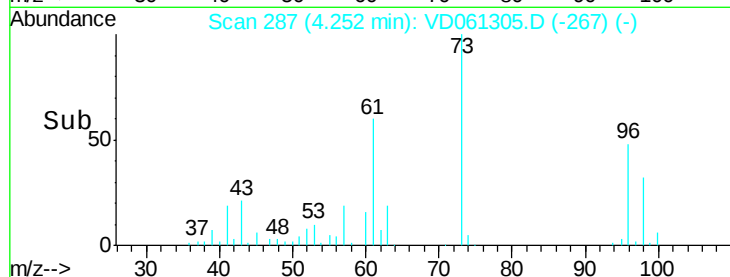
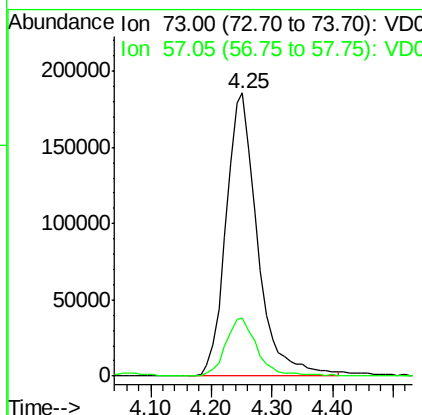
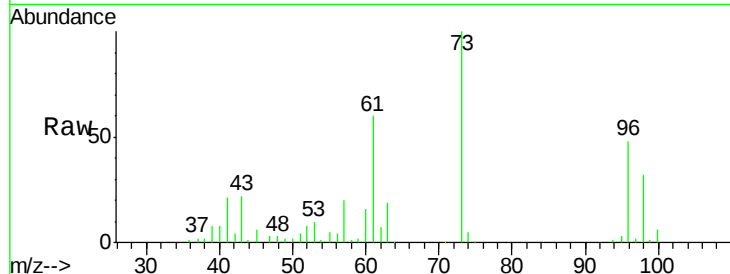
#19
Methyl tert-butyl Ether
Concen: 56.503 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion: 73 Resp: 668650
Ion Ratio Lower Upper
73 100
57 20.4 16.3 24.5

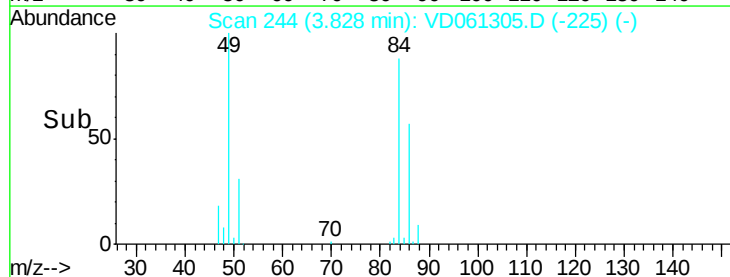
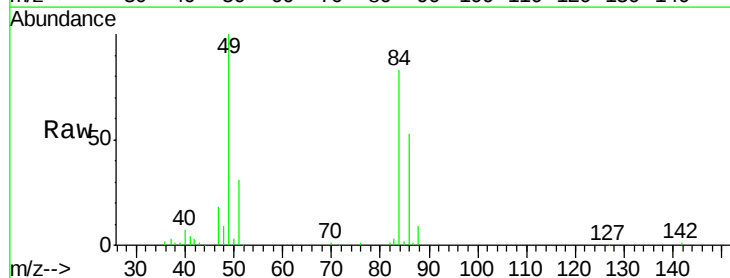
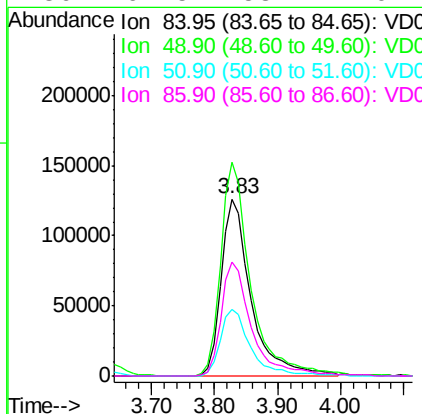
Manual Integrations
APPROVED

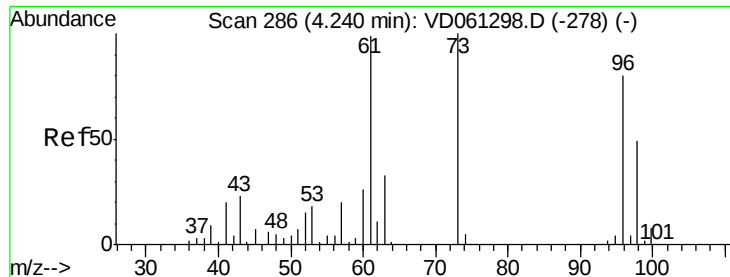
MMDadoda
3/26/2019 12:28:43 PM



#20
Methylene Chloride
Concen: 51.152 ug/l
RT: 3.83 min Scan# 244
Delta R.T. -0.01 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion: 84 Resp: 417012
Ion Ratio Lower Upper
84 100
49 120.6 96.8 145.2
51 37.7 29.9 44.9
86 64.5 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 58.181 ug/l

RT: 4.23 min Scan# 285

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

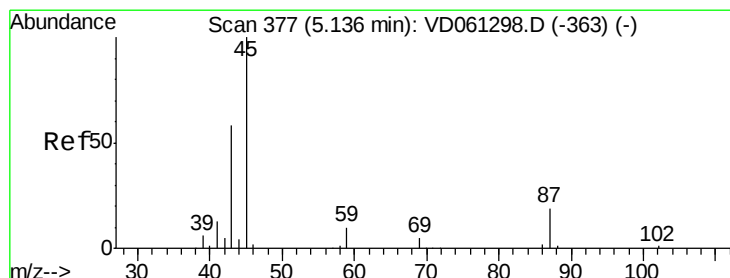
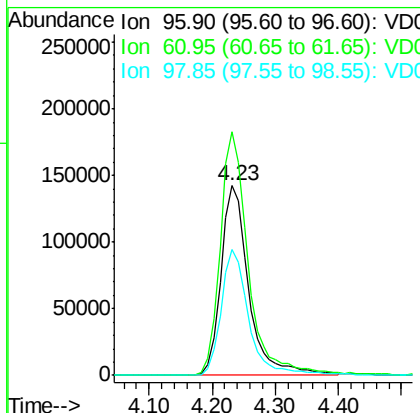
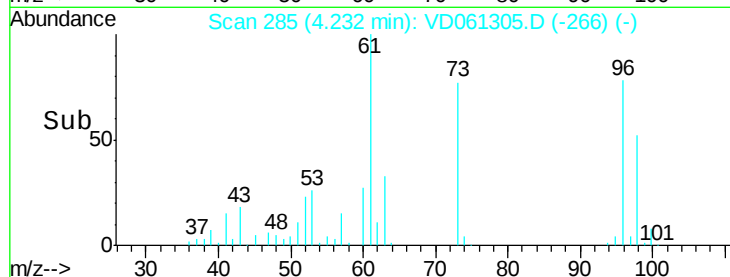
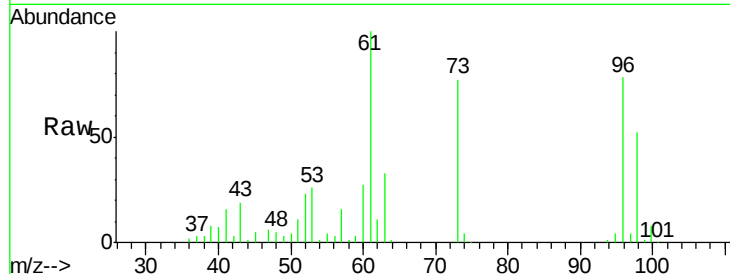
ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion:	96	Resp:	437361
Ion	Ratio	Lower	Upper
96	100		
61	128.4	99.2	148.8
98	66.2	49.2	73.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.721 ug/l

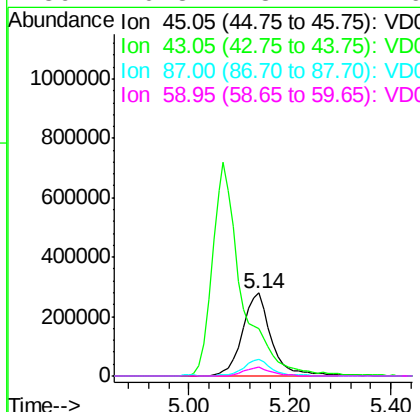
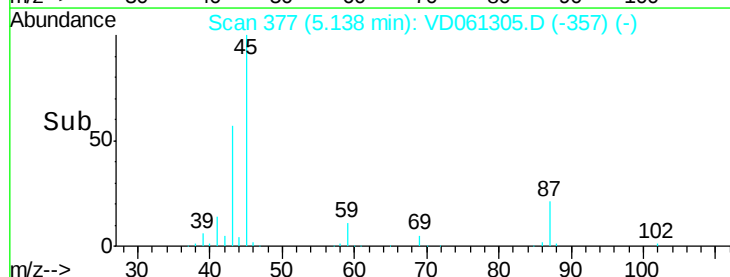
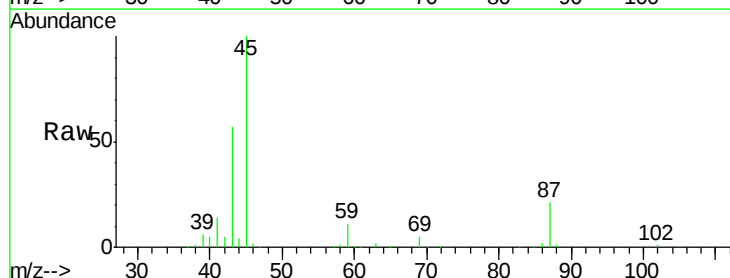
RT: 5.14 min Scan# 377

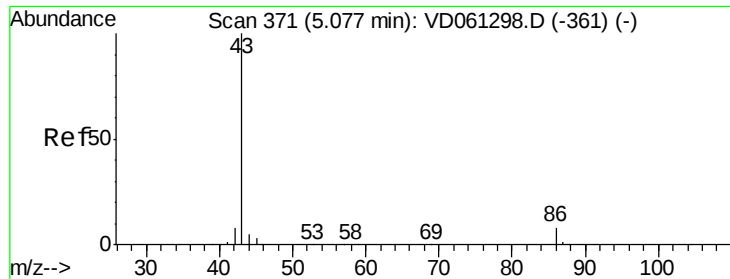
Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion:	45	Resp:	1098824
Ion	Ratio	Lower	Upper
45	100		
43	57.4	46.7	70.1
87	20.7	15.5	23.3
59	10.8	8.4	12.6





#23

Vinyl Acetate

Concen: 268.901 ug/l

RT: 5.07 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion: 43 Resp: 2883921

Ion Ratio Lower Upper

43 100

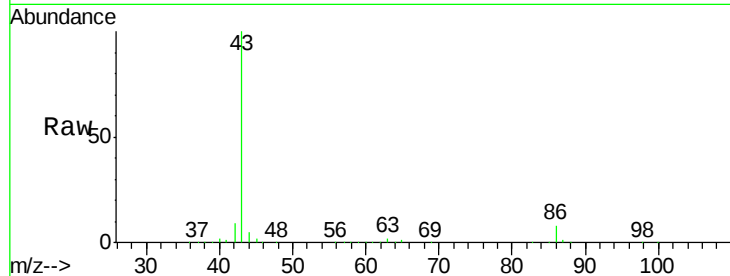
86 8.4 6.3 9.5

Manual Integrations

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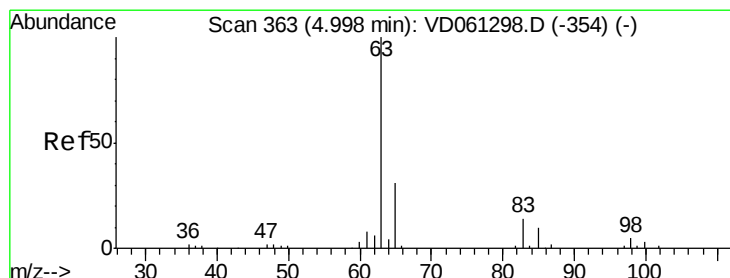
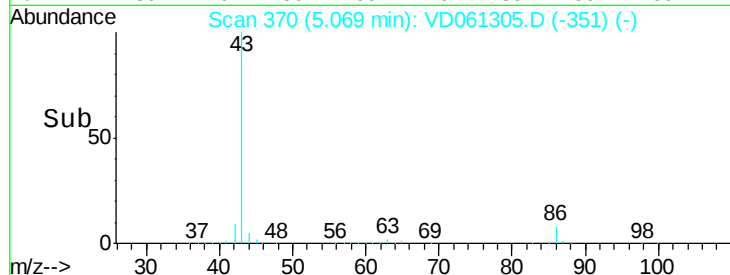
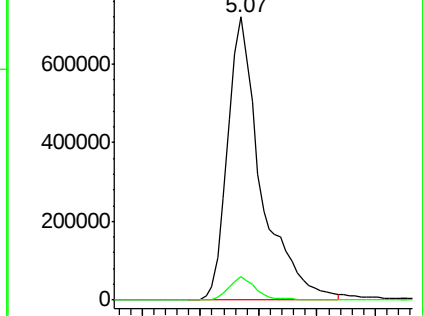
MMDadoda

3/26/2019 12:28:43 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 55.408 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

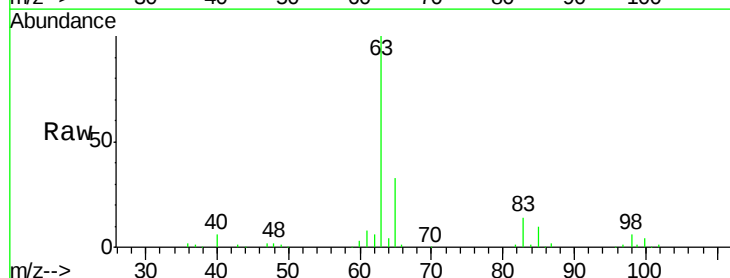
Tgt Ion: 63 Resp: 648368

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

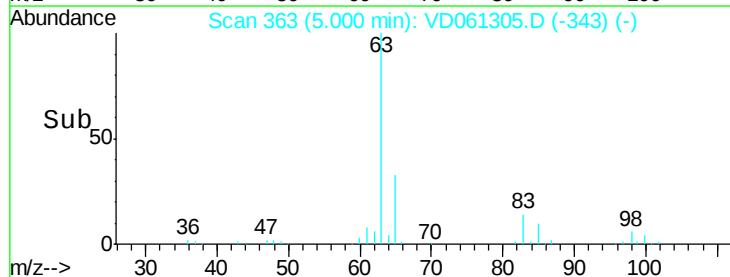
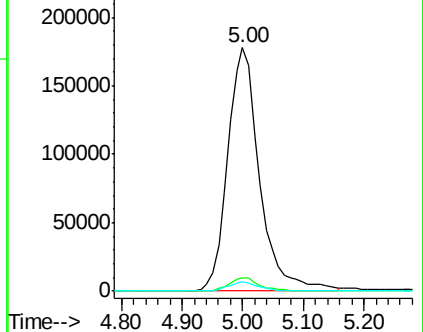
100 3.9 1.6 4.8

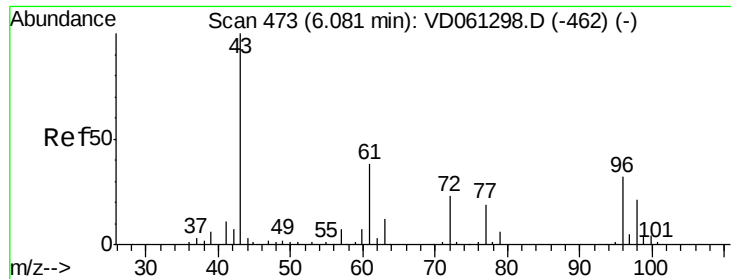


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 283.084 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion: 43 Resp: 470306

Ion Ratio Lower Upper

43 100

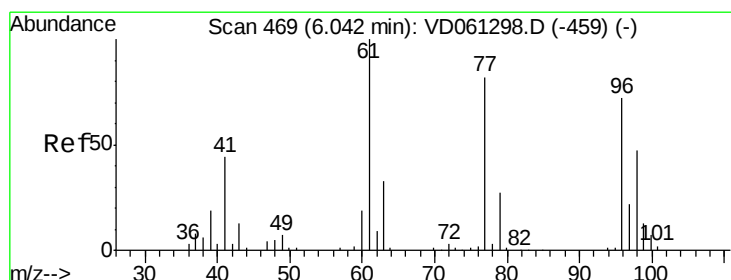
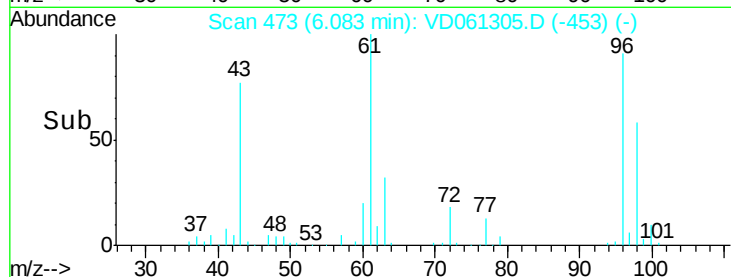
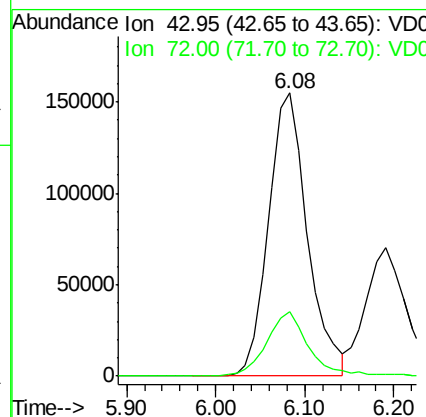
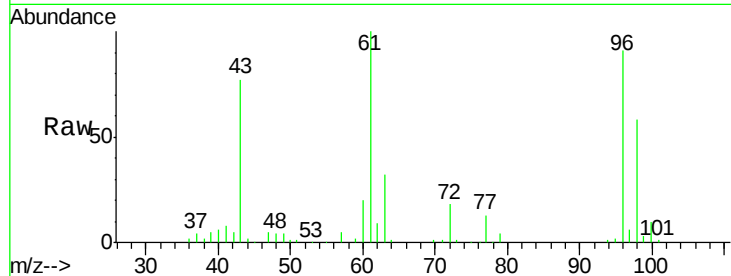
72 22.9 18.5 27.7

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#26

2,2-Dichloropropane

Concen: 49.532 ug/l

RT: 6.03 min Scan# 468

Delta R.T. -0.01 min

Lab File: VD061305.D

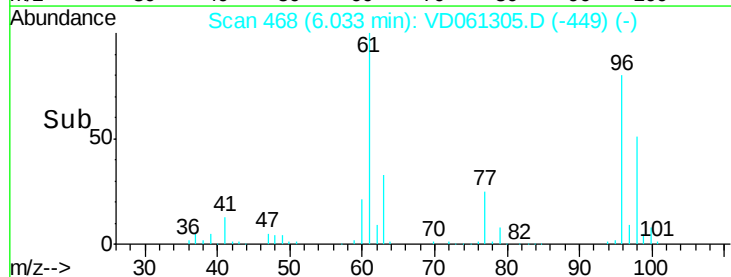
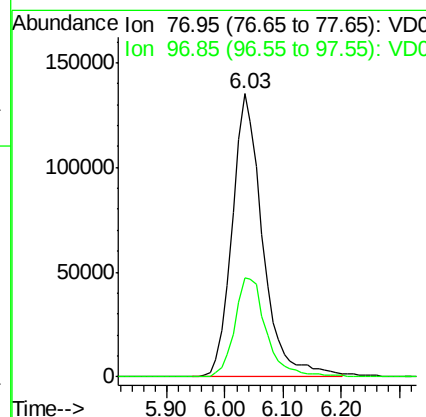
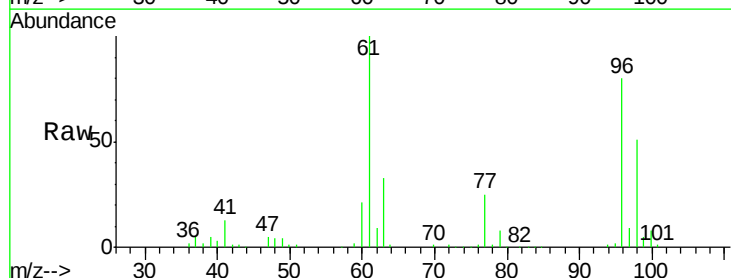
Acq: 25 Mar 2019 16:43

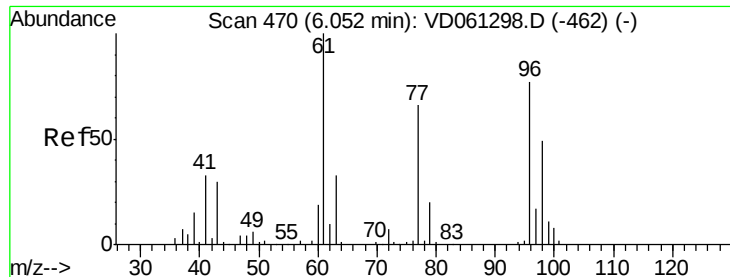
Tgt Ion: 77 Resp: 492158

Ion Ratio Lower Upper

77 100

97 35.2 13.5 40.5





#27

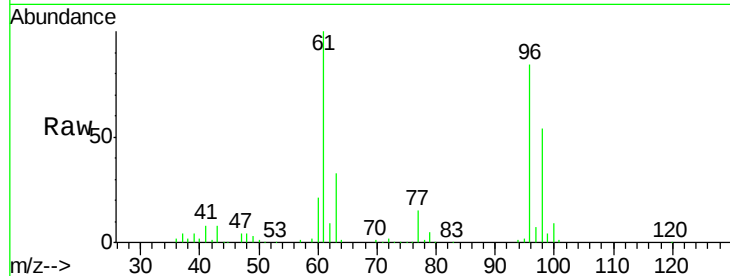
cis-1,2-Dichloroethene
Concen: 232.447 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

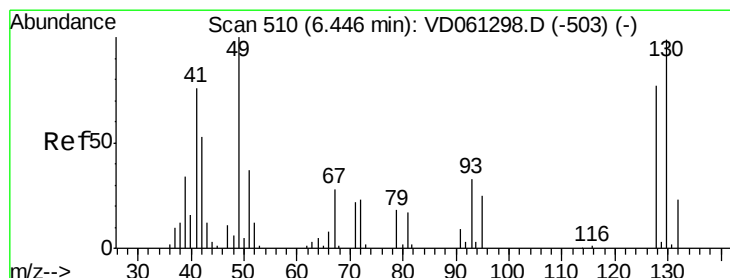
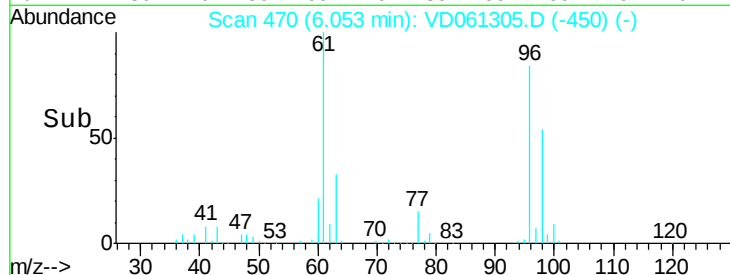
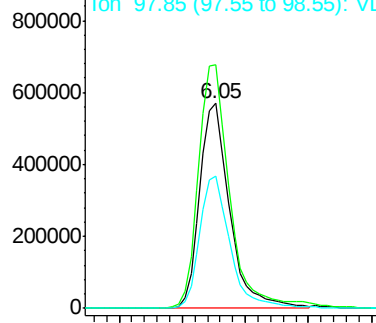
Tot Ion: 96 Resp: 1880404
Ion Ratio Lower Upper
96 100
61 119.0 0.0 261.0
98 64.7 0.0 127.6

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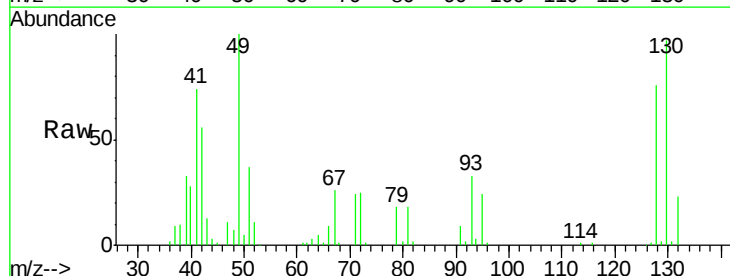
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



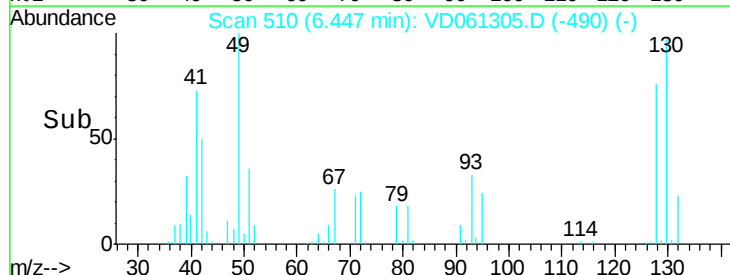
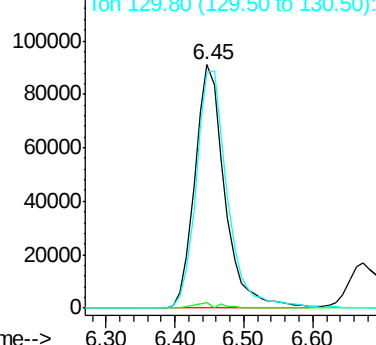
#28

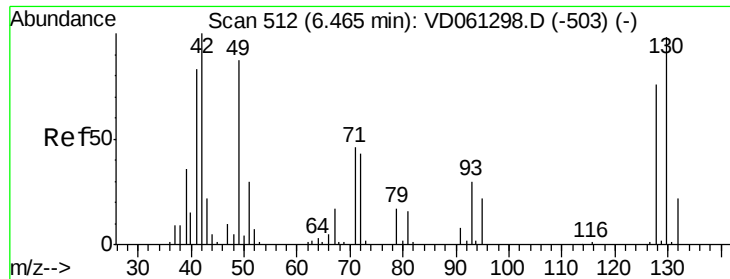
Bromochloromethane
Concen: 55.917 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion: 49 Resp: 273874
Ion Ratio Lower Upper
49 100
129 2.1 0.0 5.2
130 97.0 79.0 118.6



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





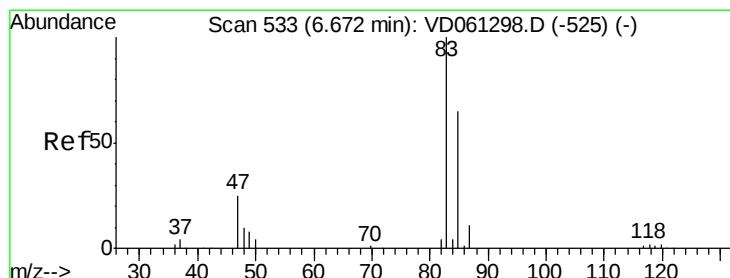
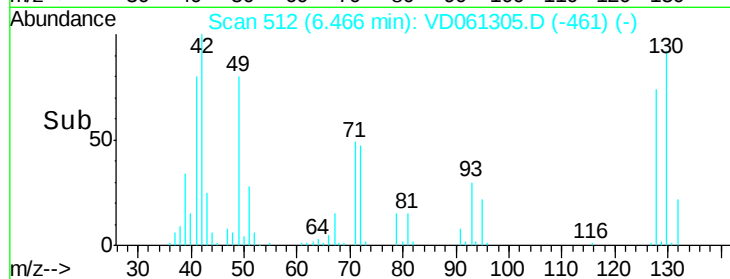
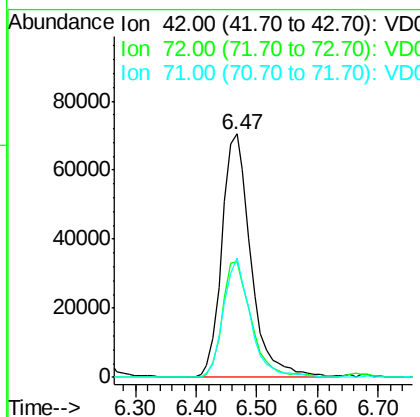
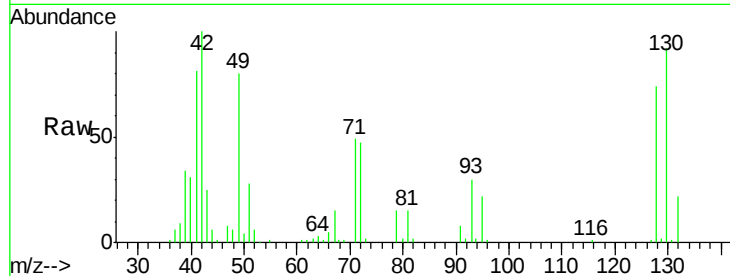
#29
Tetrahydrofuran
Concen: 283.806 ug/l
RT: 6.47 min Scan# 512
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion	Ratio	Resp	Lower	Upper
42	100	234692		
72	47.2		36.6	54.8
71	45.5		36.3	54.5

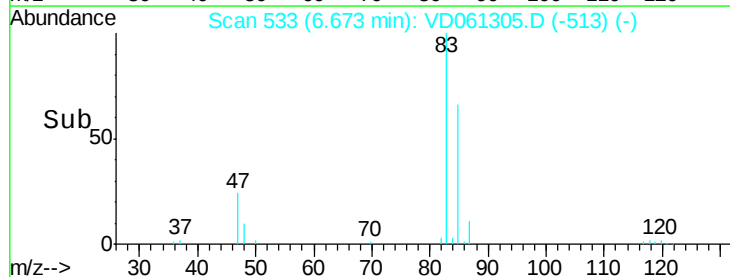
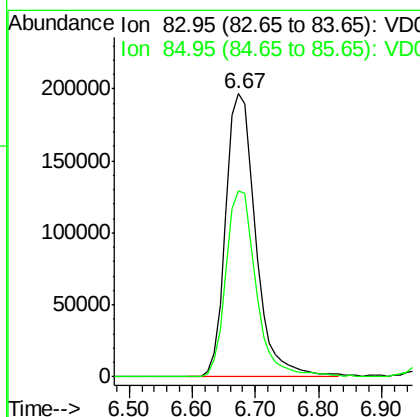
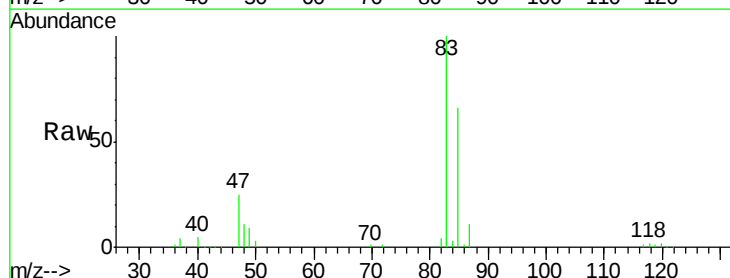
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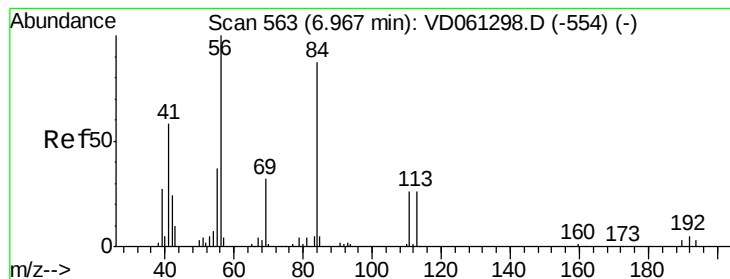
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#30
Chloroform
Concen: 51.941 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	647694		
85	65.9		52.2	78.2





#31

Cyclohexane

Concen: 46.344 ug/l

RT: 6.97 min Scan# 563

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

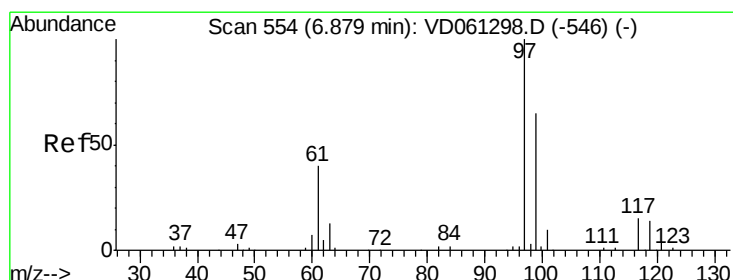
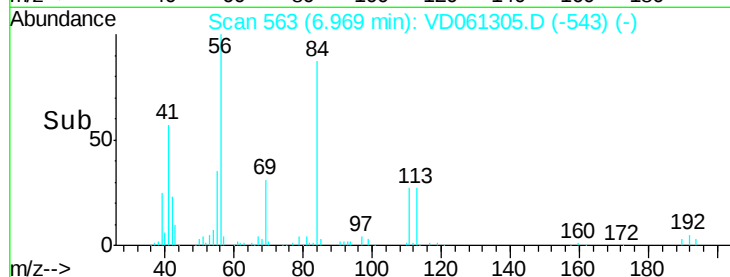
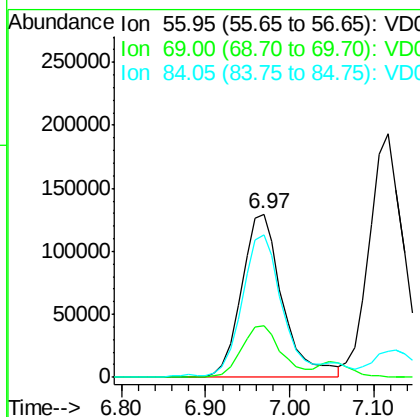
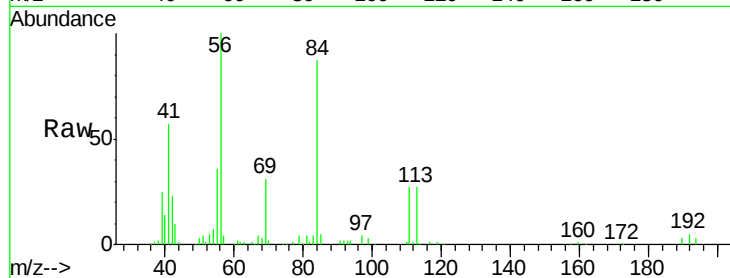
ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion:	56	Resp:	440155
Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.5	38.3
84	87.4	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.950 ug/l

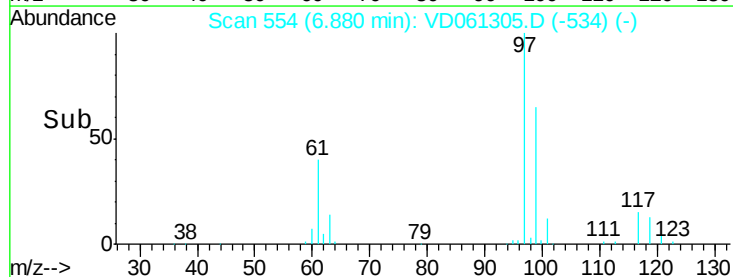
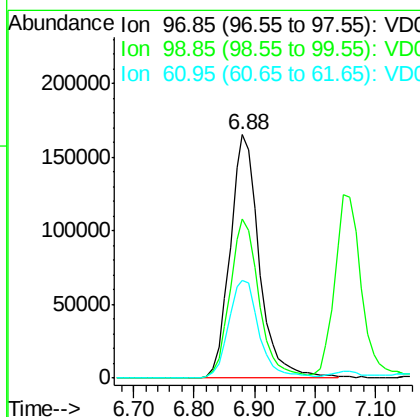
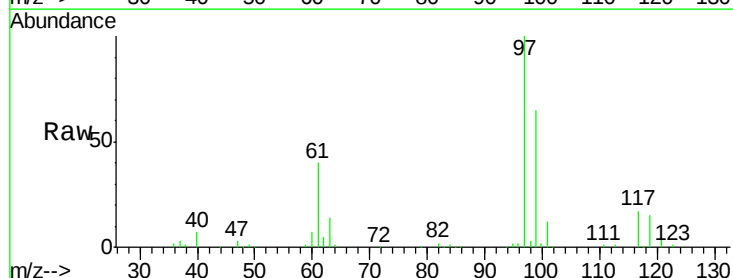
RT: 6.88 min Scan# 554

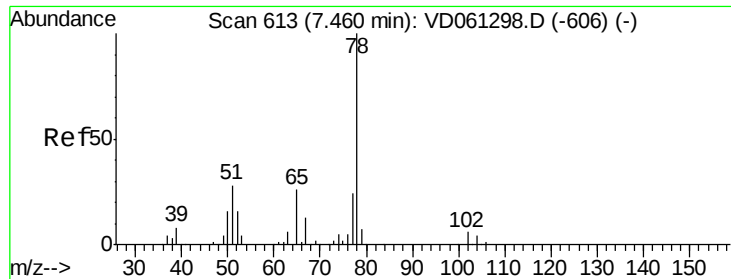
Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion:	97	Resp:	551640
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.6
61	39.9	31.9	47.9





#33

1,2-Dichloroethane-d4

Concen: 49.950 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion: 65 Resp: 316536

Ion Ratio Lower Upper

65 100

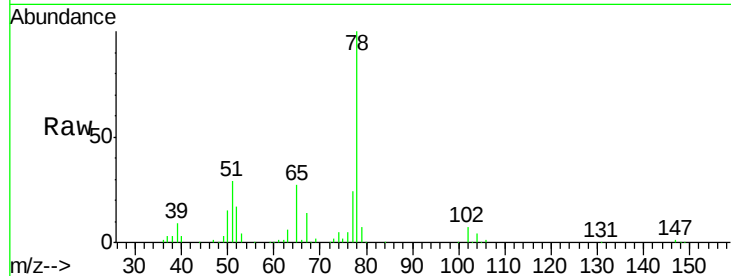
67 52.0 0.0 100.8

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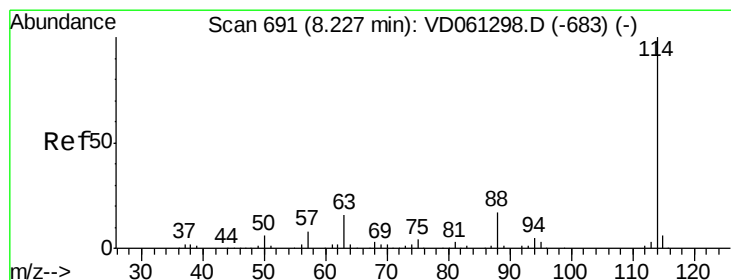
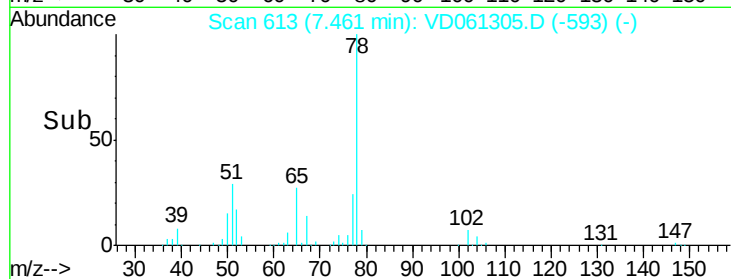
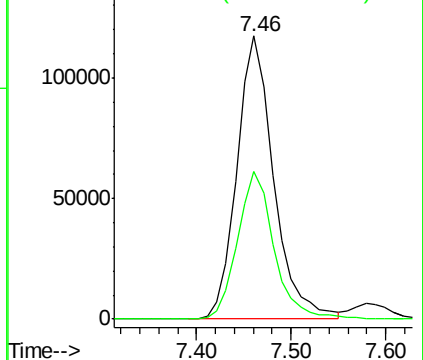
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

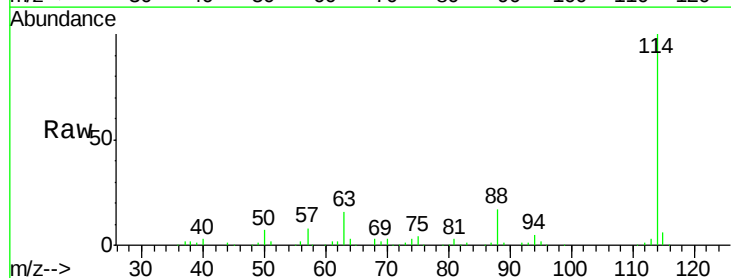
Tgt Ion: 114 Resp: 1188637

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.4

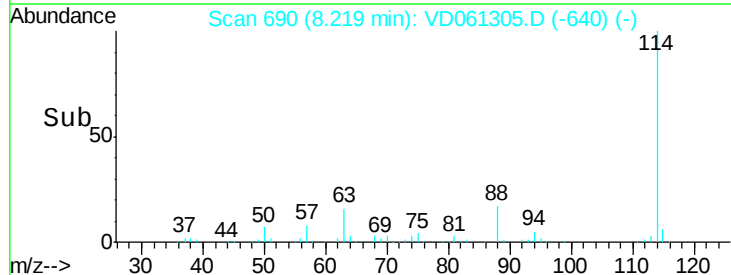
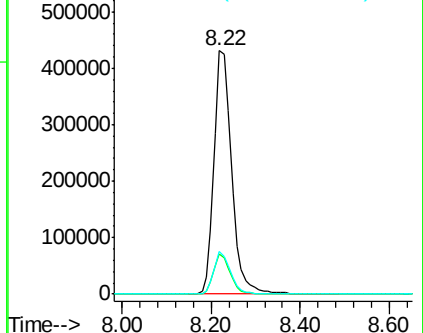
88 17.3 0.0 33.2

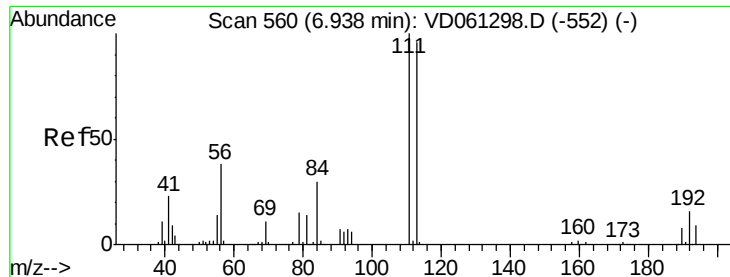


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

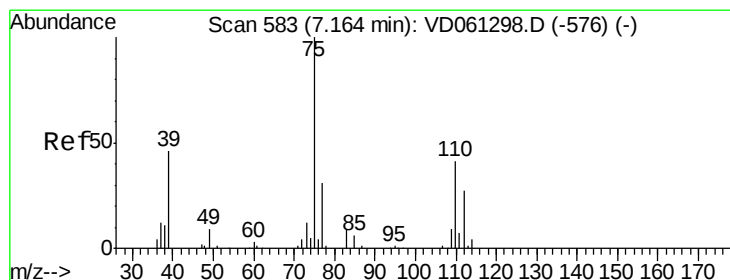
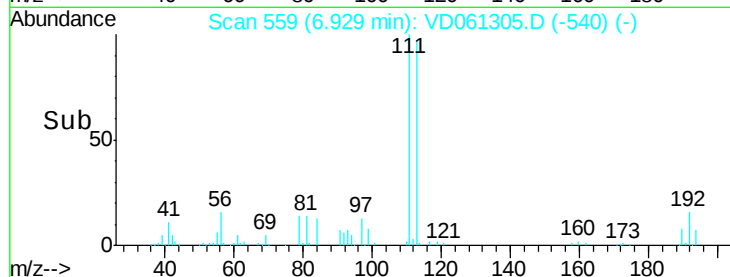
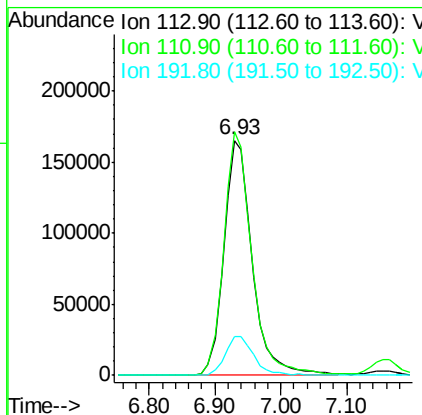
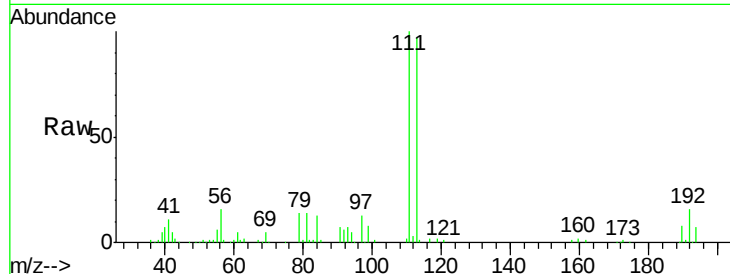
ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion:	113	Resp:	499130
Ion Ratio	Lower	Upper	
113	100		
111	103.5	83.7	125.5
192	16.7	13.4	20.0

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#36

1,1-Dichloropropene

Concen: 45.437 ug/l

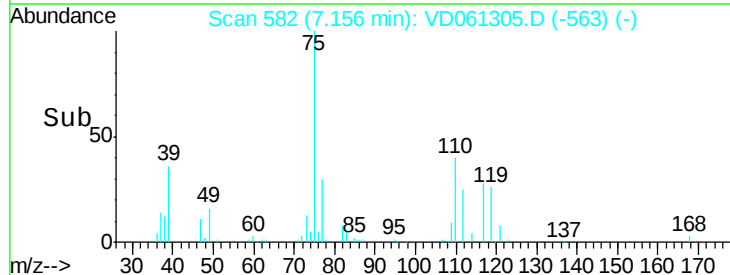
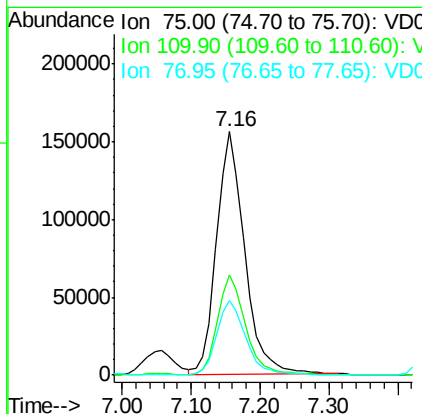
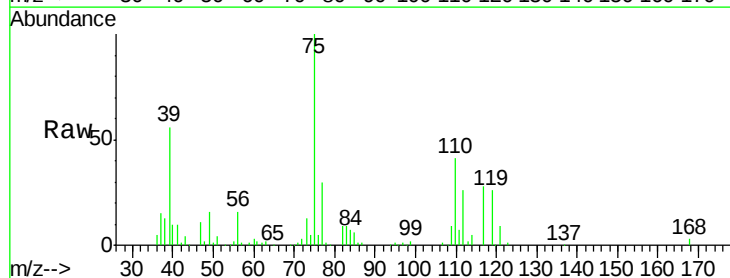
RT: 7.16 min Scan# 582

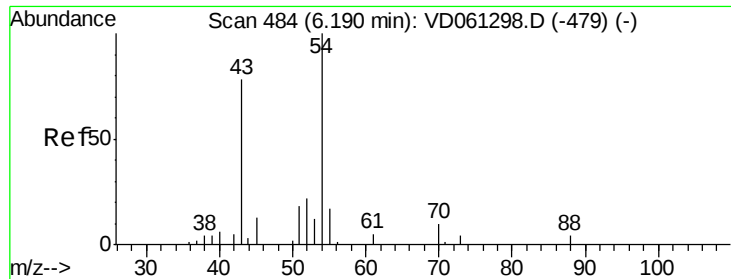
Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion:	75	Resp:	441870
Ion Ratio	Lower	Upper	
75	100		
110	40.9	20.1	60.2
77	30.4	24.3	36.5





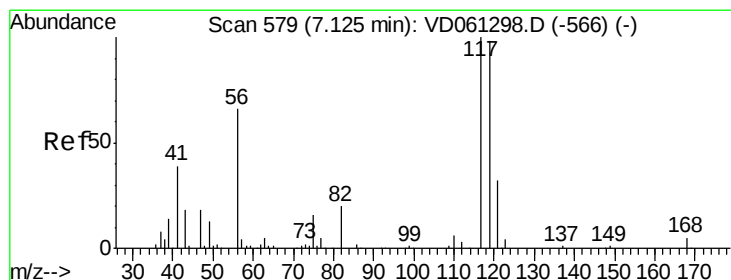
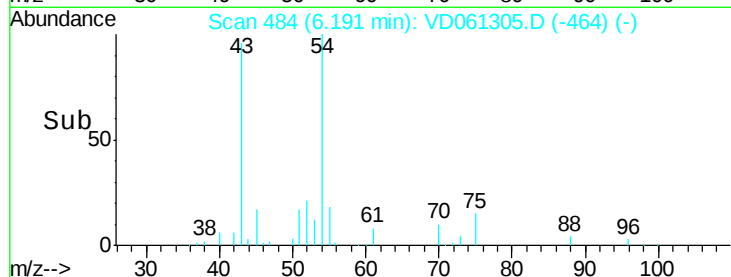
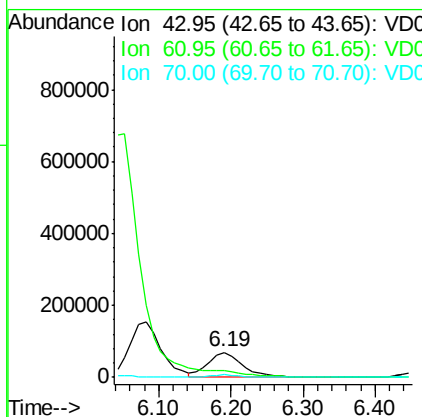
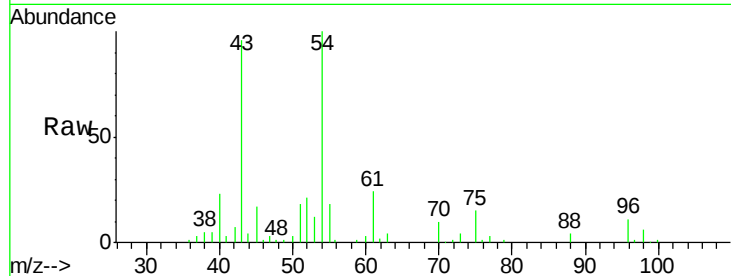
#37
Ethyl Acetate
Concen: 55.849 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	12.6	19.0#
70	10.2	8.2	12.4

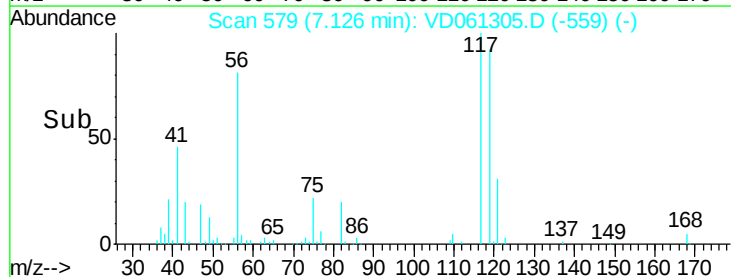
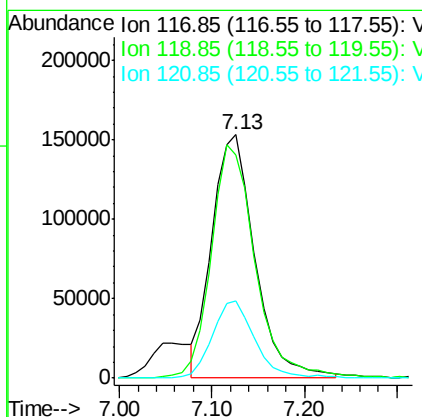
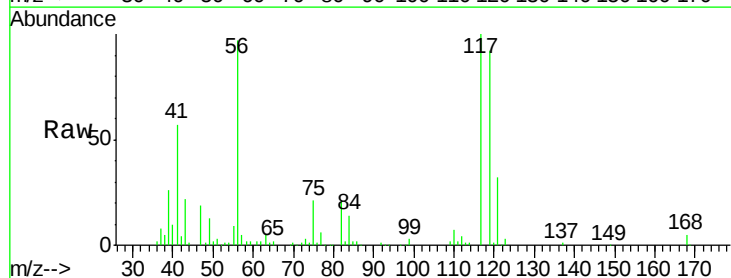
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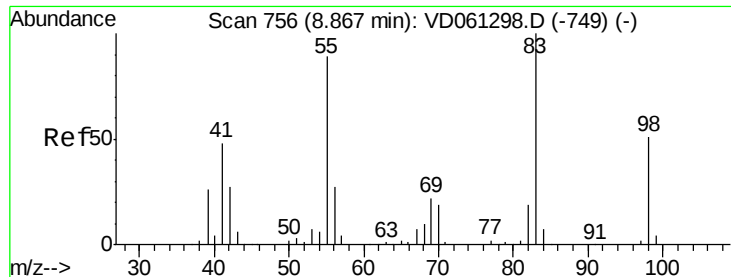
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#38
Carbon Tetrachloride
Concen: 44.940 ug/l m
RT: 7.13 min Scan# 579
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	78.4	117.6
121	31.7	25.1	37.7





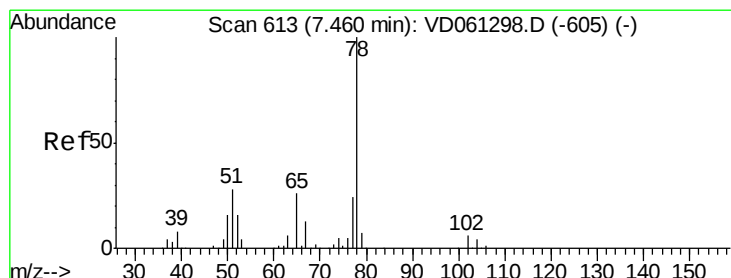
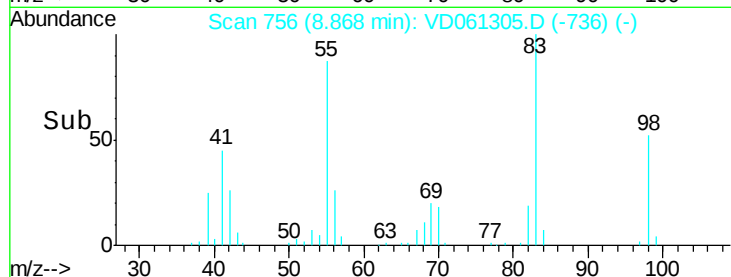
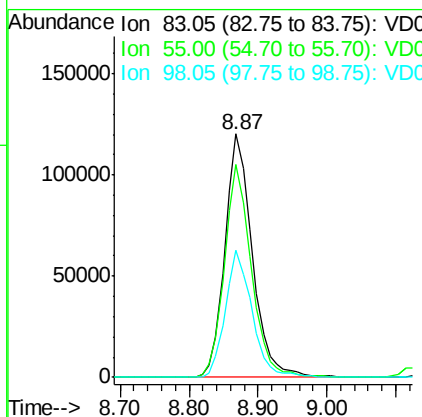
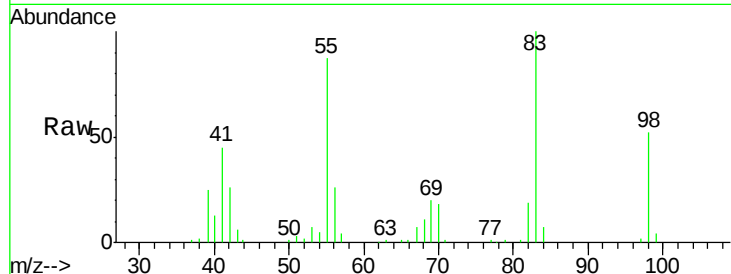
#39
Methvlcvclohexane
Concen: 32.933 ug/l
RT: 8.87 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion	83	Resp	331699
Ion Ratio	Lower	Upper	
83	100		
55	87.2	71.3	106.9
98	52.5	40.4	60.6

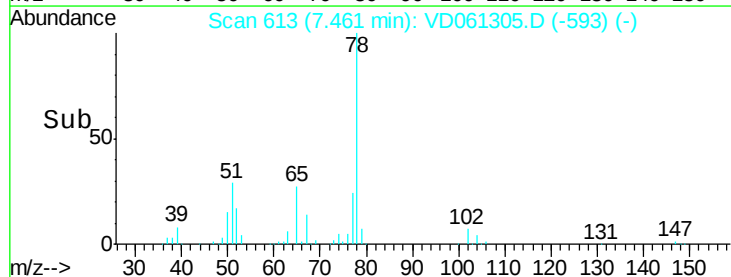
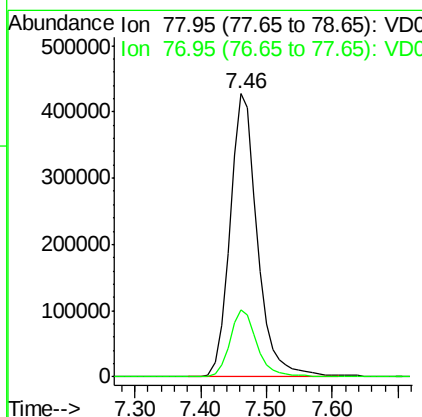
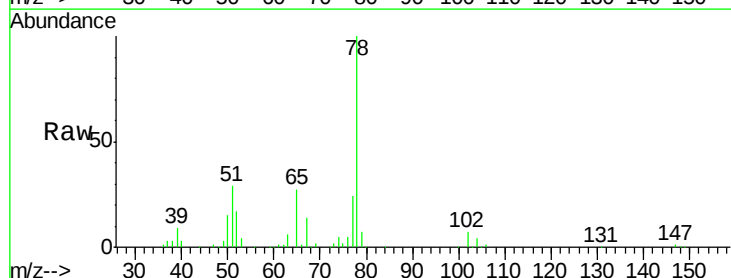
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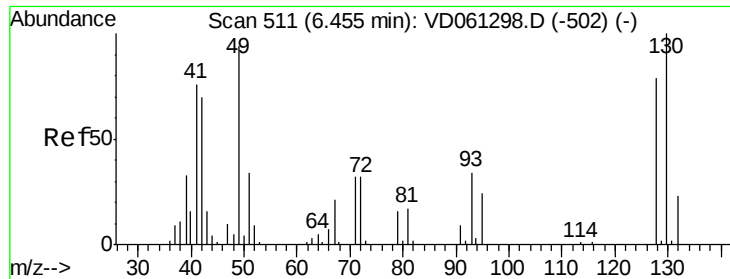
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#40
Benzene
Concen: 51.490 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion	78	Resp	1243618
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.8	28.2





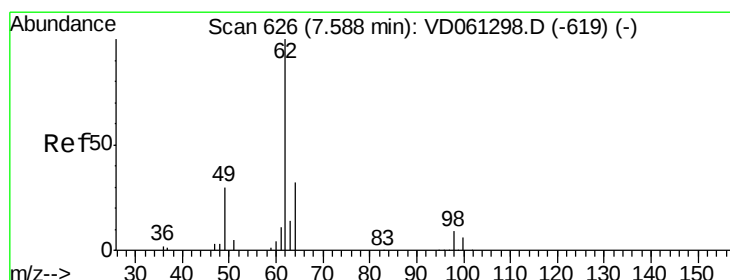
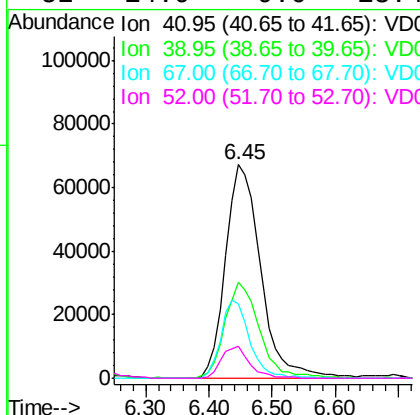
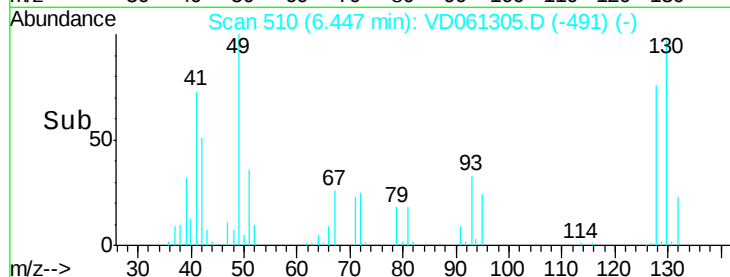
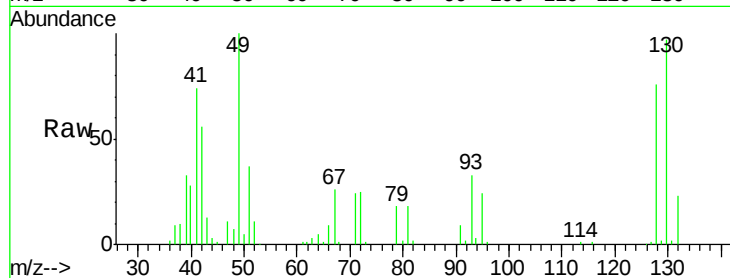
#41
Methacrylonitrile
Concen: 54.876 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion	Ratio	Resp Lower	Upper
41	100		
39	45.0	34.2	51.2
67	34.6	21.8	32.6
52	14.9	9.0	13.4

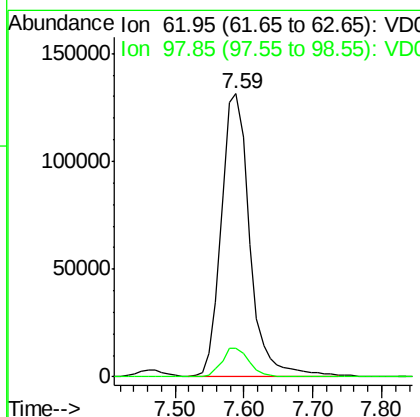
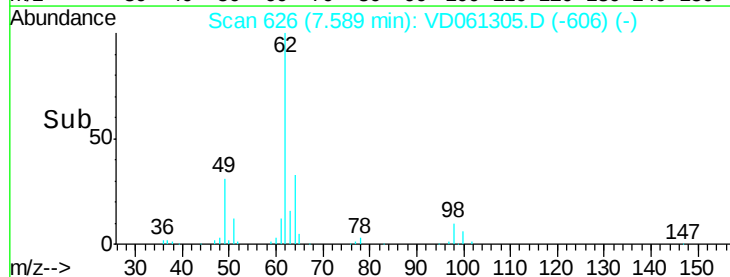
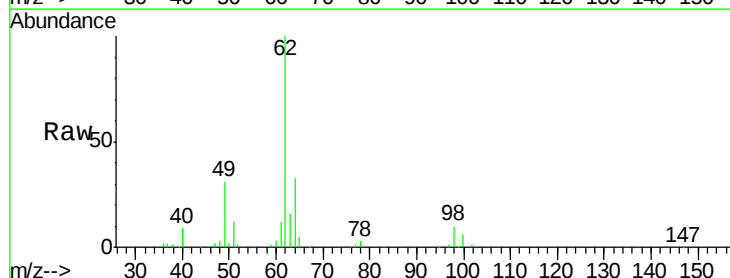
Manual Integrations
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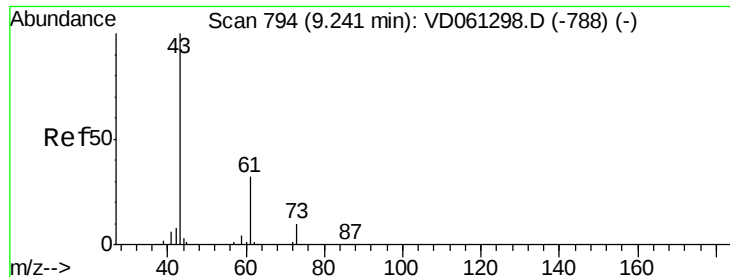
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.239 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	10.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 55.178 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

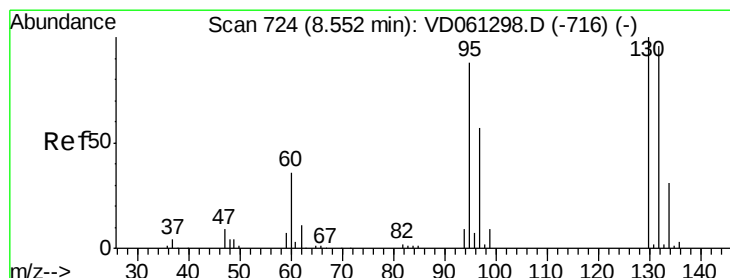
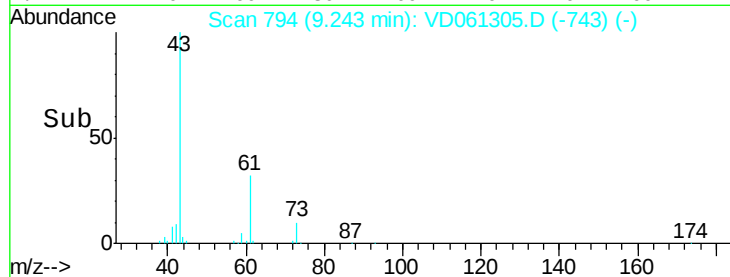
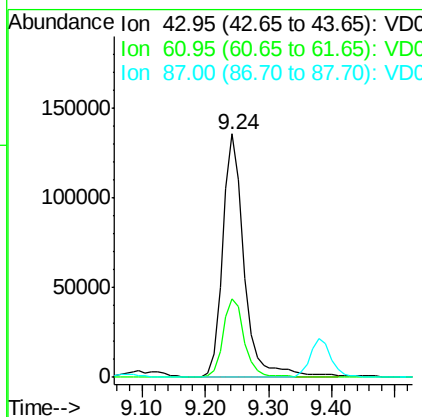
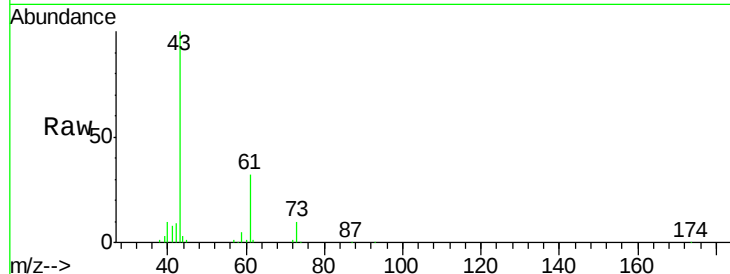
ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion:	43	Resp:	323166
Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.8	38.8
87	0.2	0.3	0.5

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#44

Trichloroethene

Concen: 51.964 ug/l

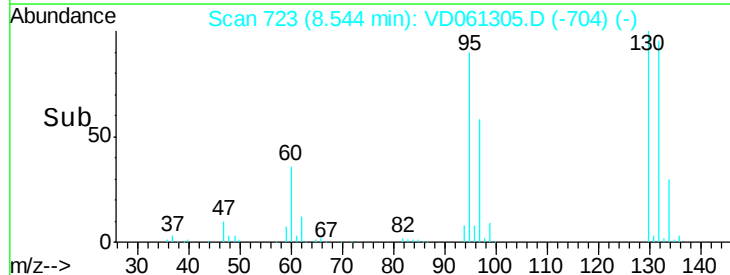
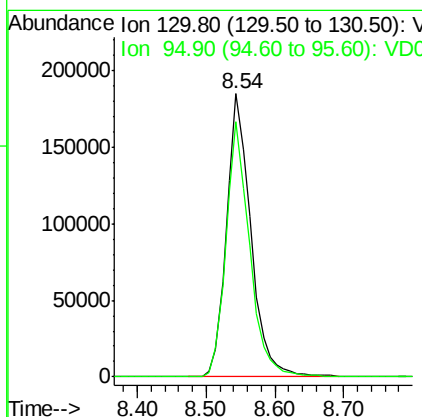
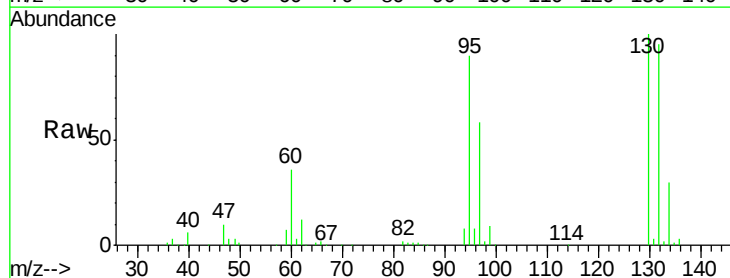
RT: 8.54 min Scan# 723

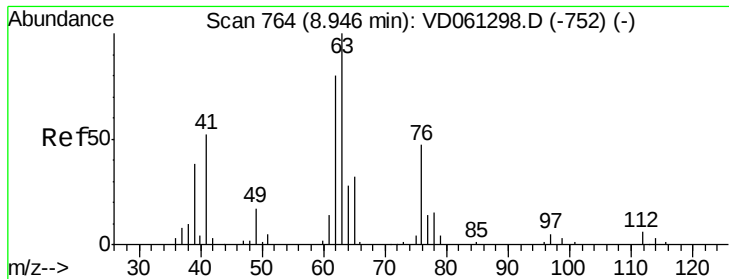
Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion:	130	Resp:	453899
Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	175.0





#45

1,2-Dichloropropane

Concen: 52.139 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion: 63 Resp: 310806

Ion Ratio Lower Upper

63 100

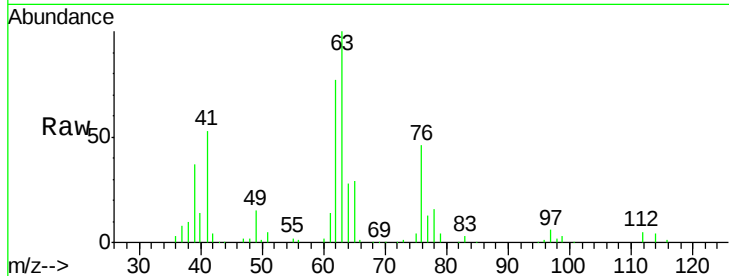
65 29.4 25.2 37.8

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.95

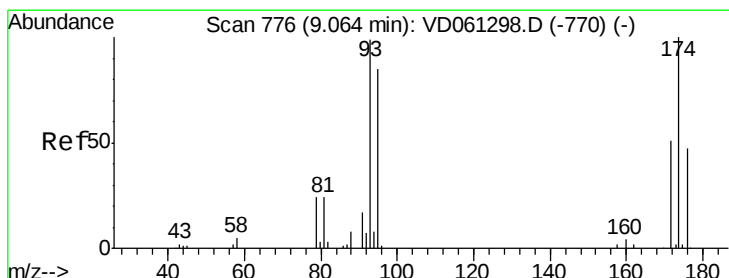
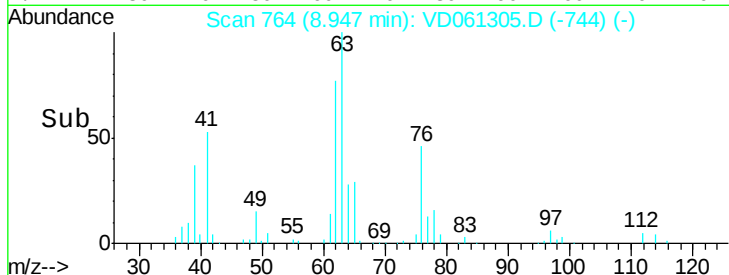
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 51.129 ug/l

RT: 9.07 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

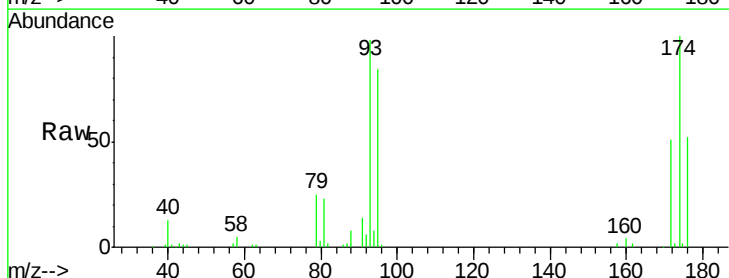
Tgt Ion: 93 Resp: 208916

Ion Ratio Lower Upper

93 100

95 85.2 68.1 102.1

174 101.8 80.4 120.6



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

100000

80000

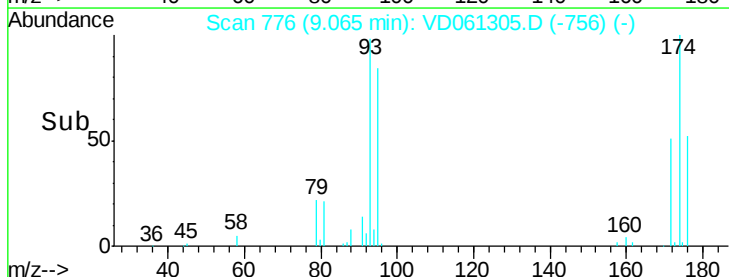
60000

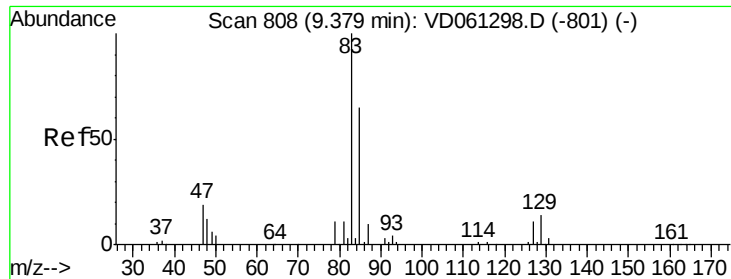
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 49.874 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

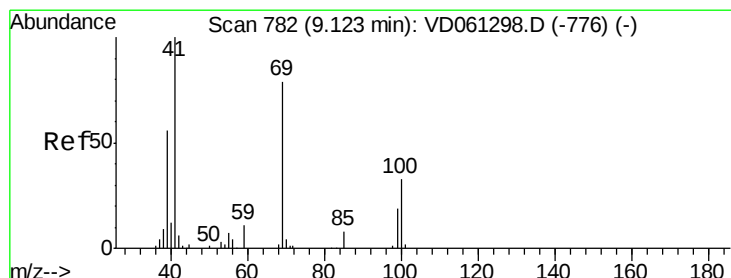
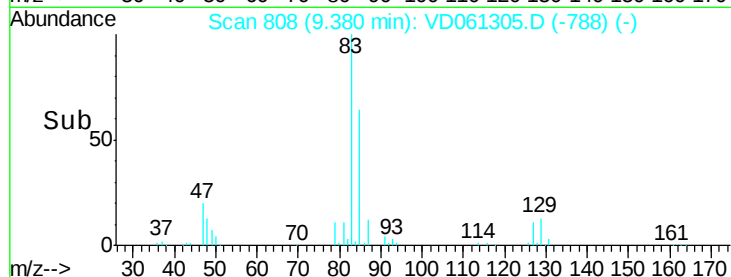
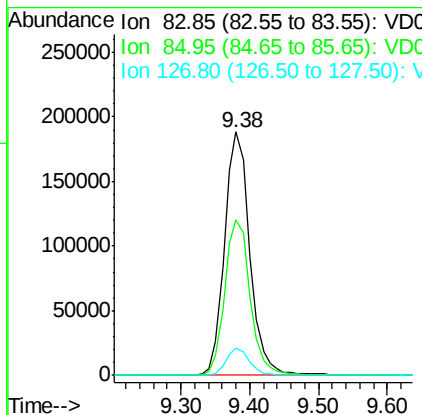
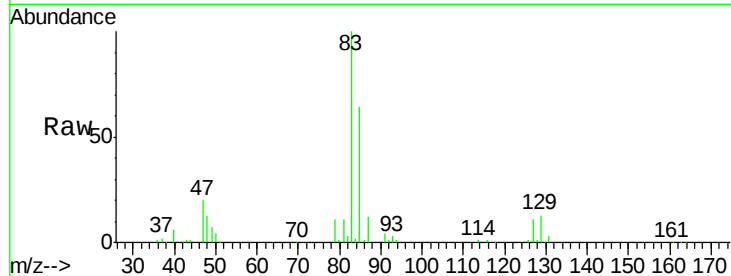
ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion:	83	Resp:	477651
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.7	77.5
127	11.4	8.8	13.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.521 ug/l

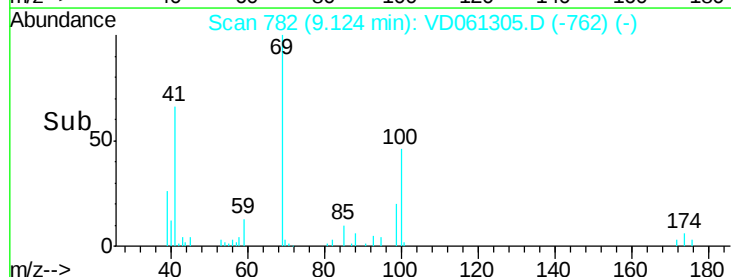
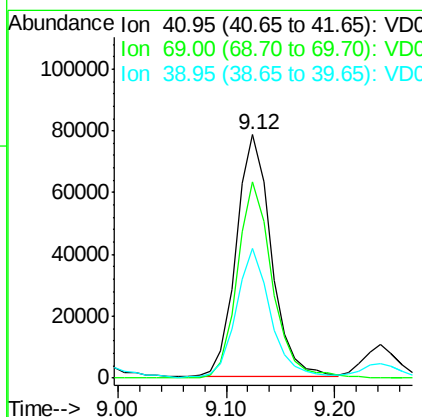
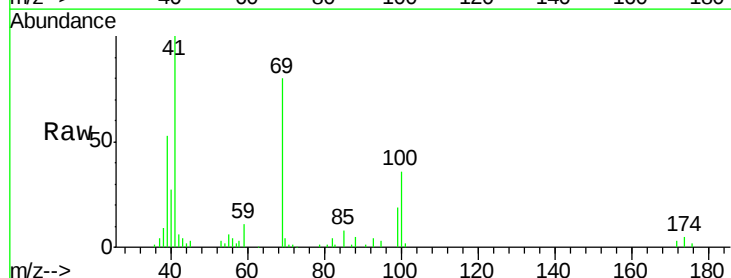
RT: 9.12 min Scan# 782

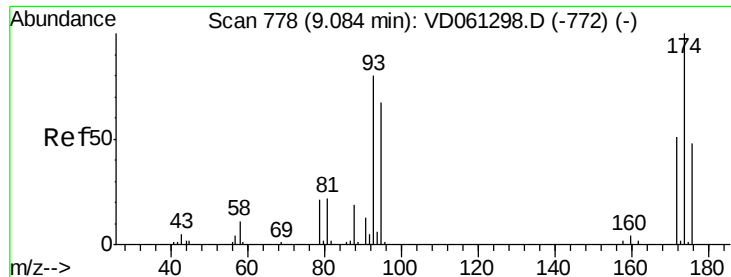
Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion:	41	Resp:	176686
Ion	Ratio	Lower	Upper
41	100		
69	80.4	62.4	93.6
39	53.2	44.9	67.3





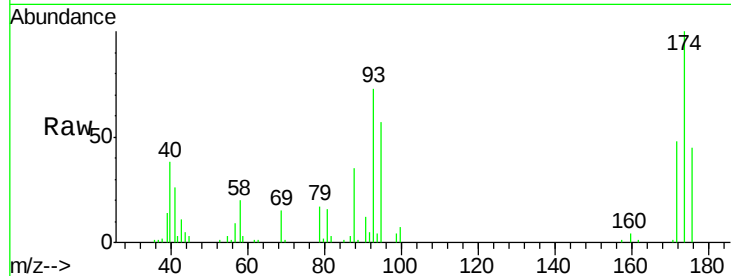
#49
1,4-Dioxane
Concen: 1172.733 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.01 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

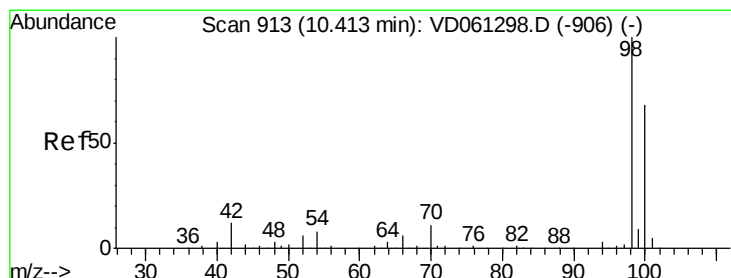
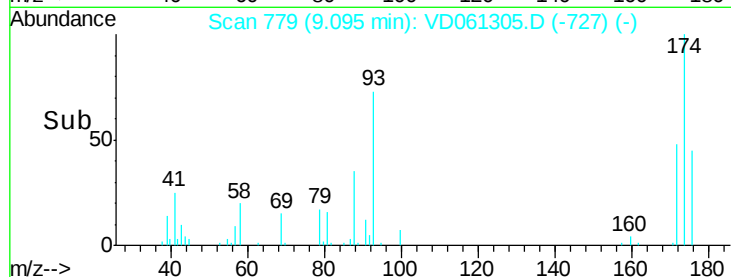
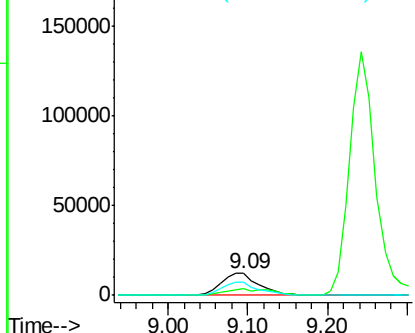
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	20.7	31.1#
58	58.0	44.9	67.3

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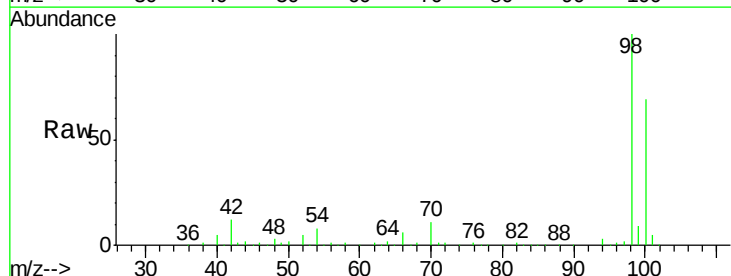


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

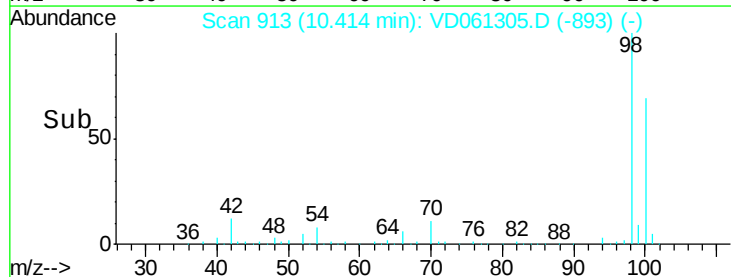
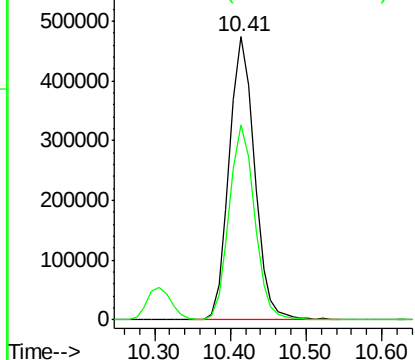


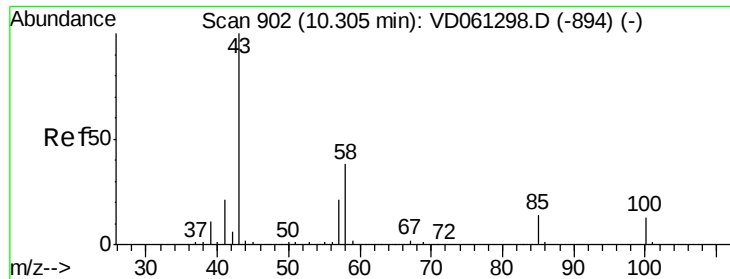
#50
Toluene-d8
Concen: 1172.733 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.1	55.4	83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 269.928 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion: 43 Resp: 941115

Ion Ratio Lower Upper

43 100

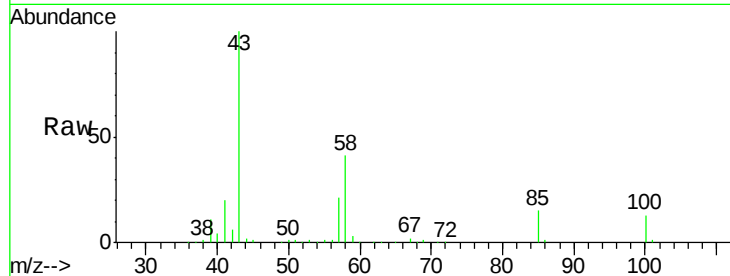
58 40.5 30.6 45.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

400000

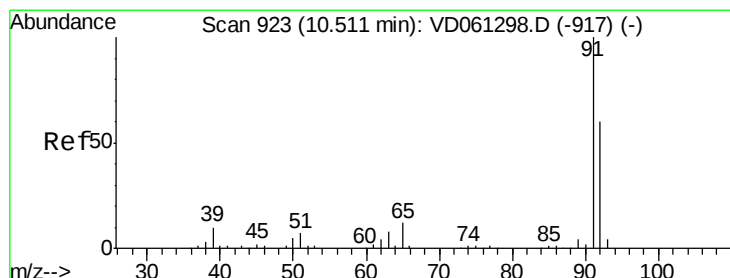
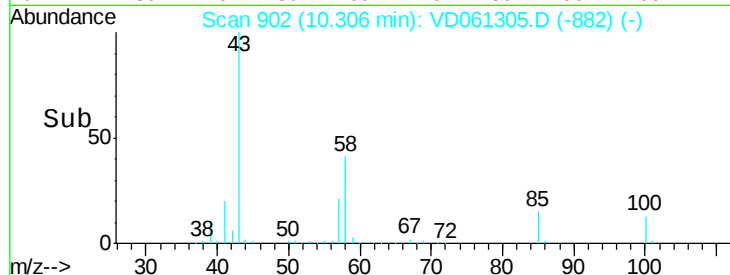
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 46.524 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.00 min

Lab File: VD061305.D

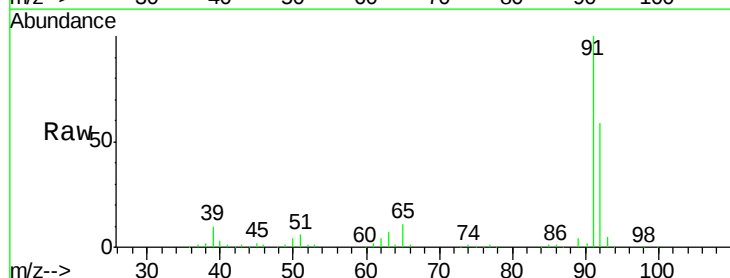
Acq: 25 Mar 2019 16:43

Tgt Ion: 92 Resp: 687544

Ion Ratio Lower Upper

92 100

91 168.8 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

500000

400000

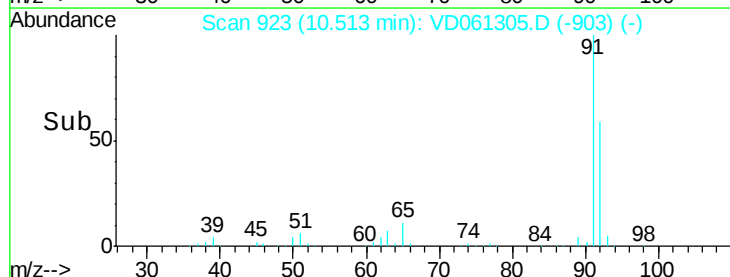
300000

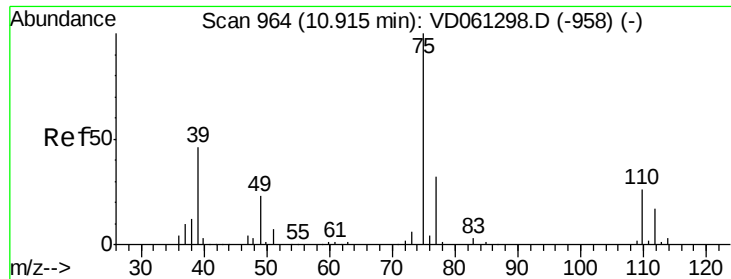
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.580 ug/l

RT: 10.92 min Scan# 964

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tot Ion: 75 Resp: 445957

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

Instrument :

MSVOA_D

ClientSampleId :

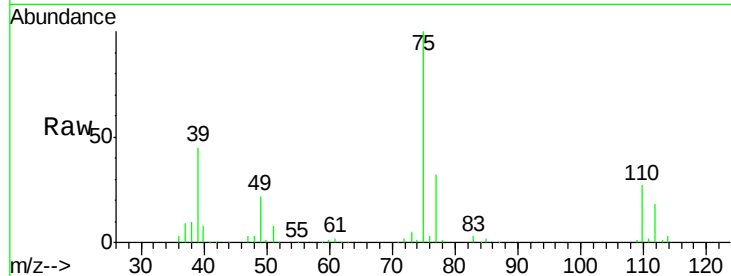
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.92

200000

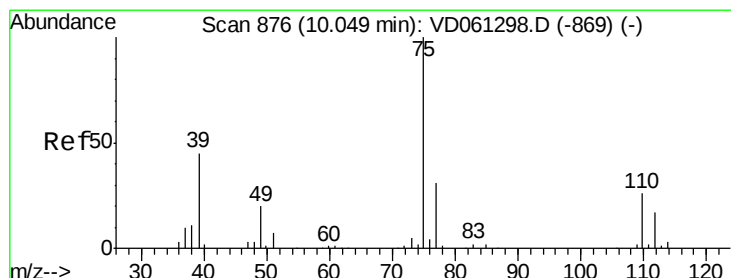
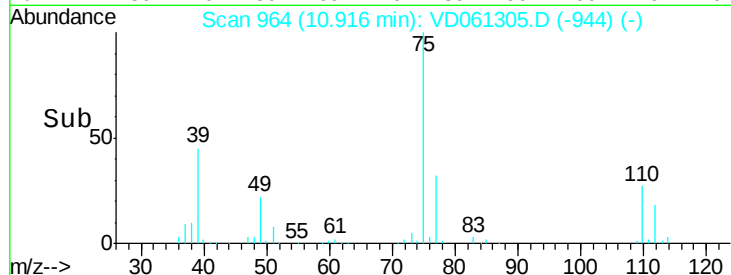
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.229 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.01 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

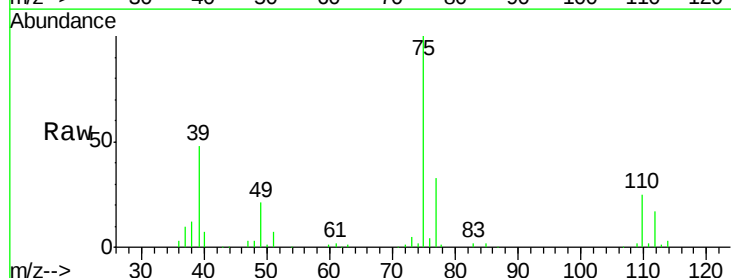
Tgt Ion: 75 Resp: 500336

Ion Ratio Lower Upper

75 100

77 32.7 24.9 37.3

39 47.7 36.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.04

250000

200000

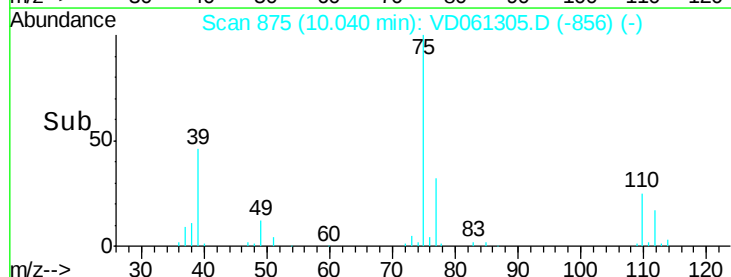
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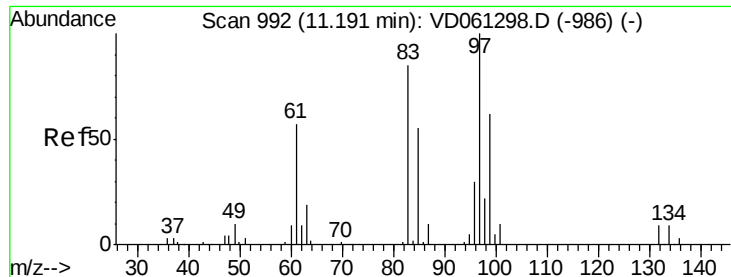
100000

50000

0

Time-->





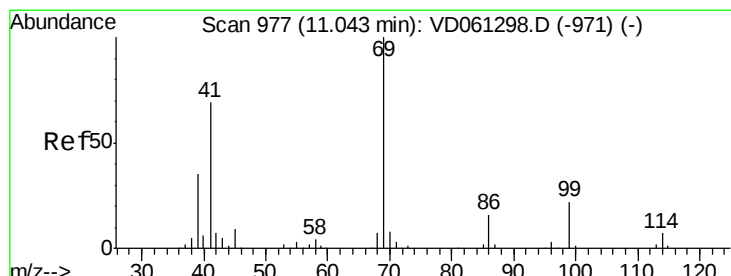
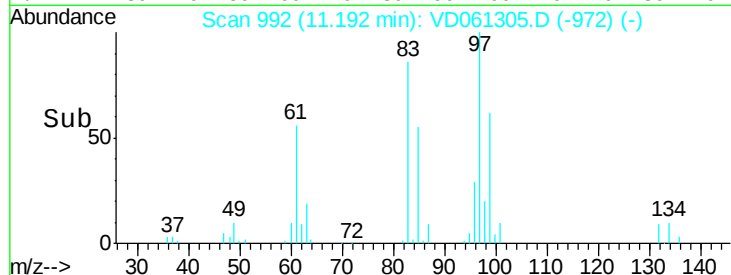
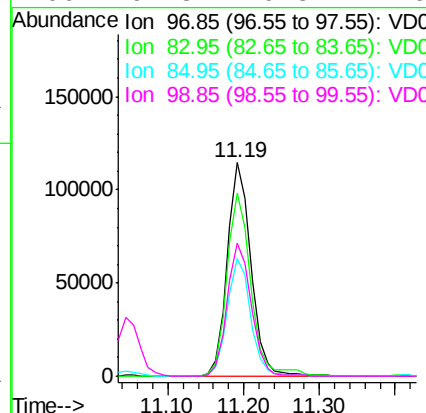
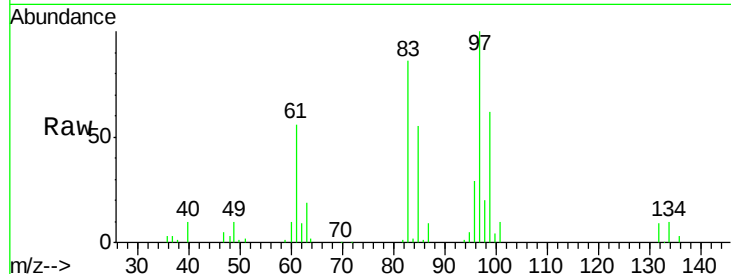
#55
 1,1,2-Trichloroethane
 Concen: 50.815 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB441-190319-(23-25)MS

Tot Ion	97	Resp	249315
Ion	Ratio	Lower	Upper
97	100		
83	85.6	67.7	101.5
85	55.3	43.8	65.8
99	62.3	49.8	74.6

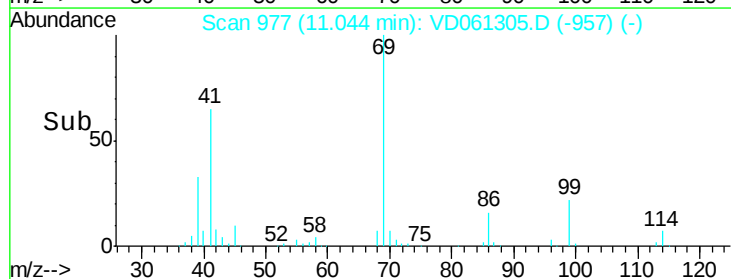
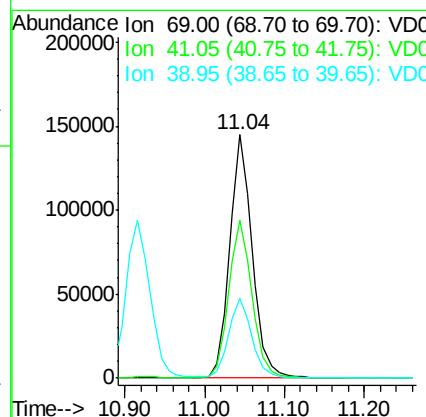
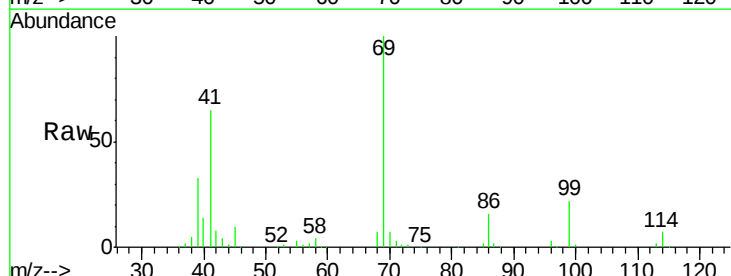
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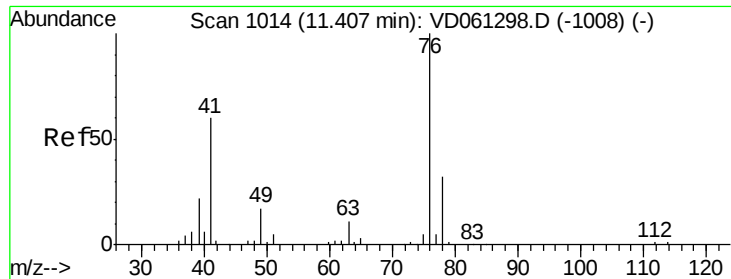
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#56
 Ethyl methacrylate
 Concen: 55.113 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Tgt Ion	69	Resp	288543
Ion	Ratio	Lower	Upper
69	100		
41	64.7	54.9	82.3
39	32.9	28.5	42.7





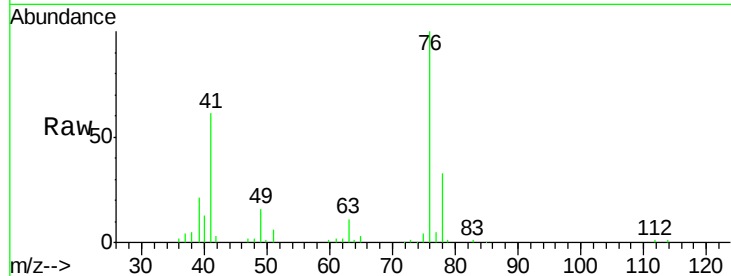
#57
 1,3-Dichloropropane
 Concen: 52.431 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB441-190319-(23-25)MS

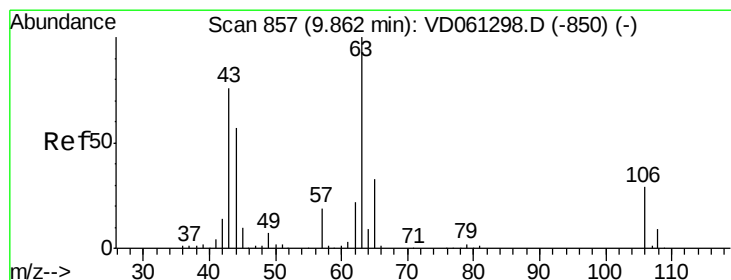
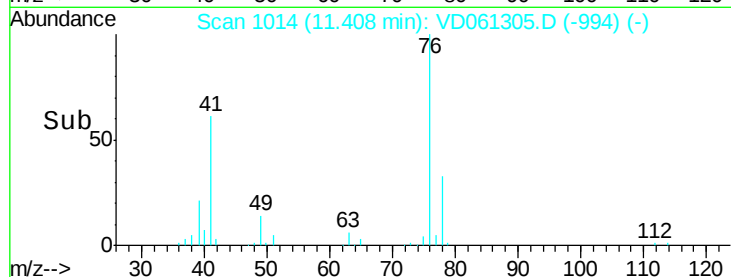
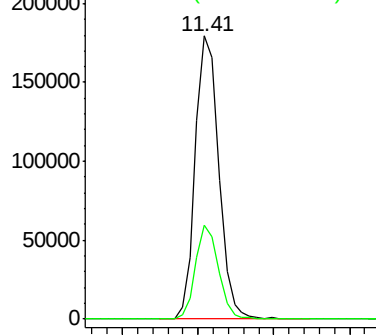
Tot Ion: 76 Resp: 388510
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.7 38.5

Manual Integrations
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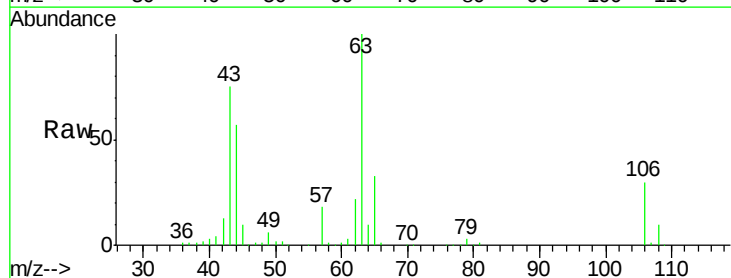


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

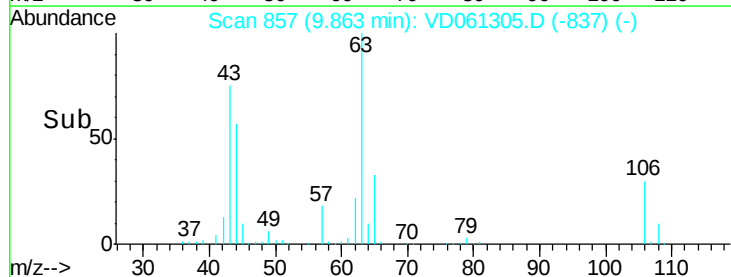
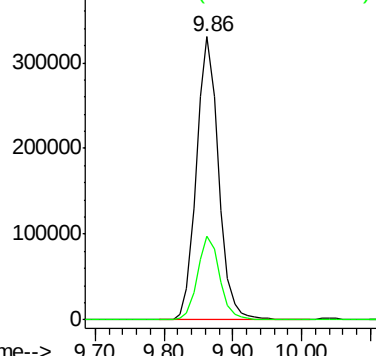


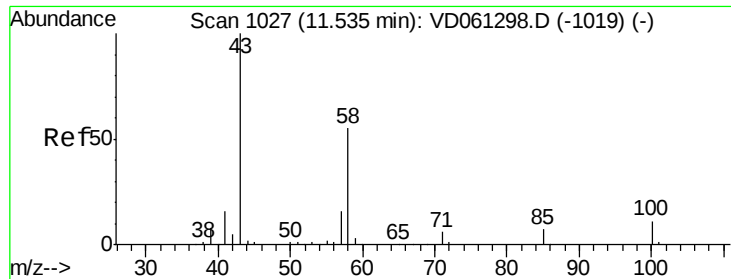
#58
 2-Chloroethyl Vinyl ether
 Concen: 270.344 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Tgt Ion: 63 Resp: 736339
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.4 35.0



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V





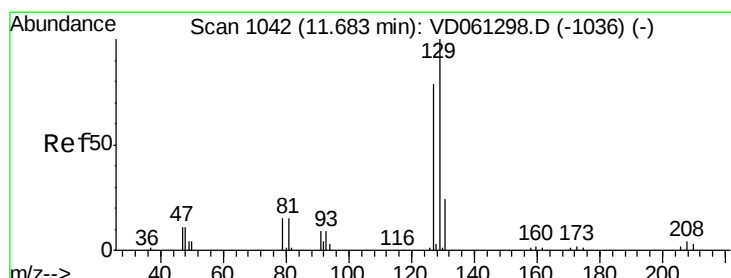
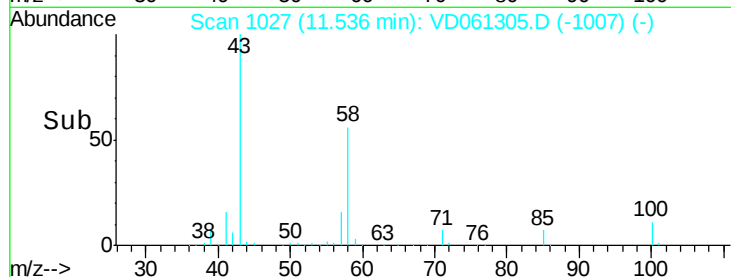
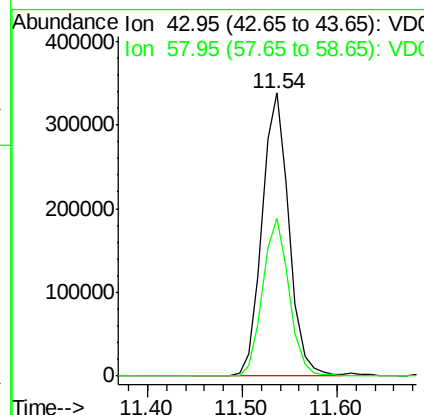
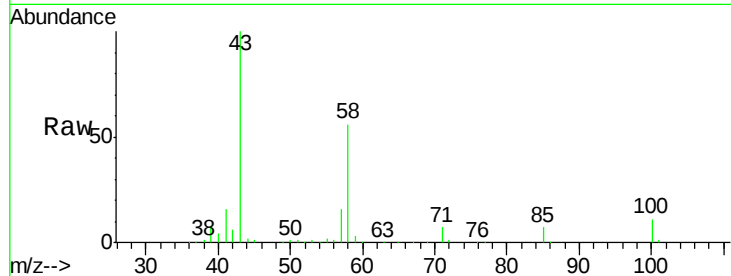
#59
2-Hexanone
Concen: 264.873 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion: 43 Resp: 670722
Ion Ratio Lower Upper
43 100
58 55.7 27.4 82.0

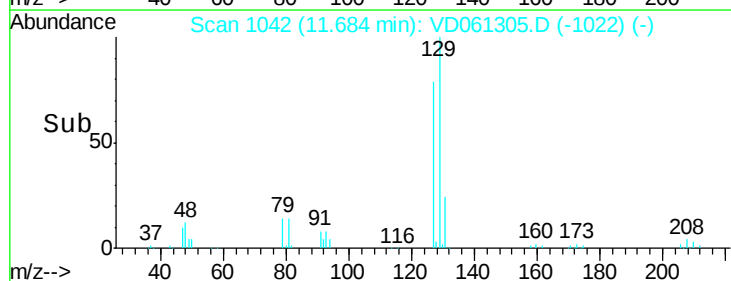
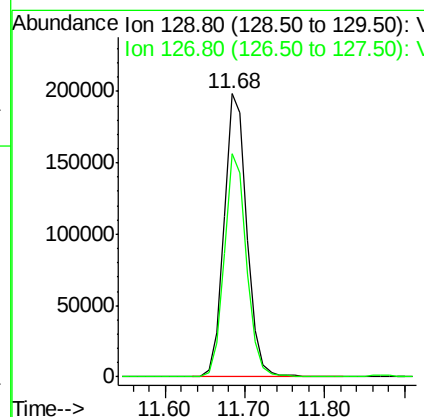
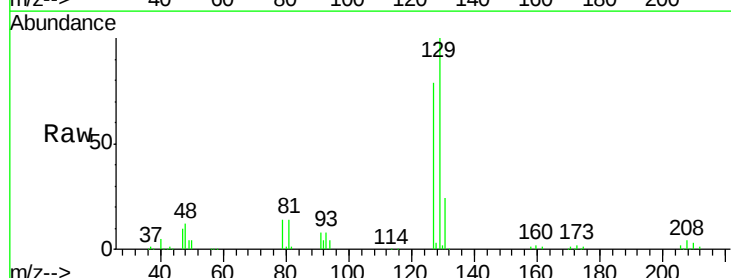
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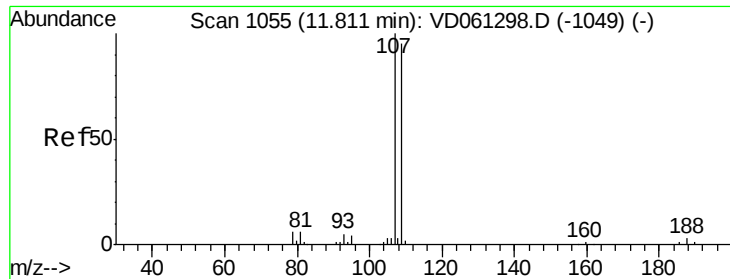
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#60
Dibromochloromethane
Concen: 52.234 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion: 129 Resp: 401397
Ion Ratio Lower Upper
129 100
127 78.8 39.6 119.0





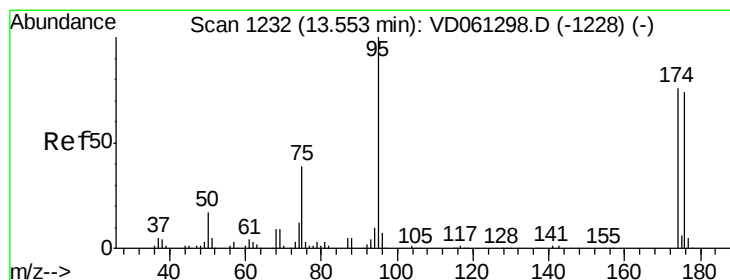
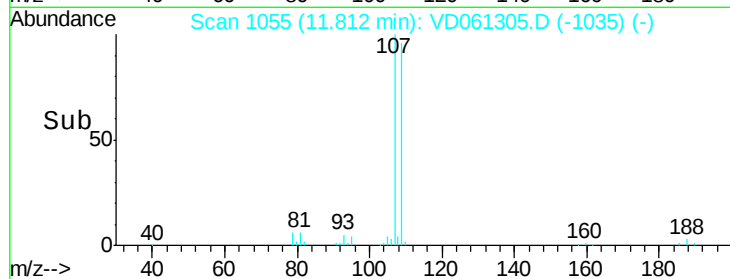
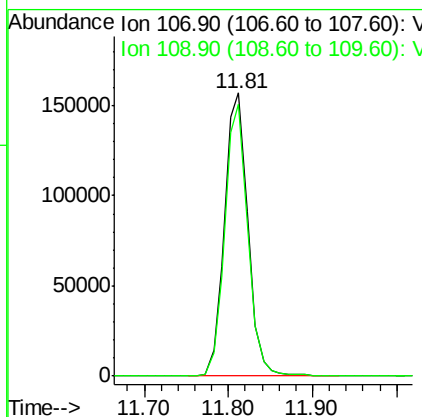
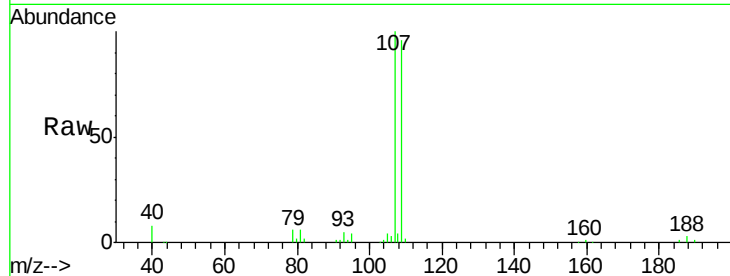
#61
 1,2-Dibromoethane
 Concen: 52.577 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB441-190319-(23-25)MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	76.1	114.1

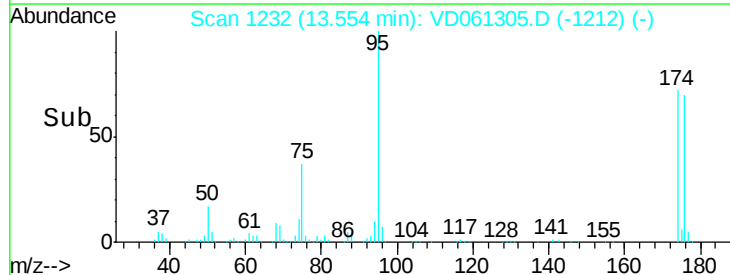
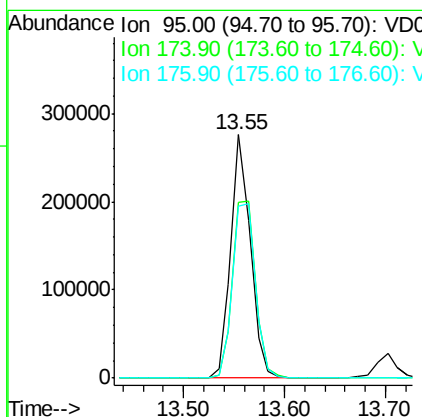
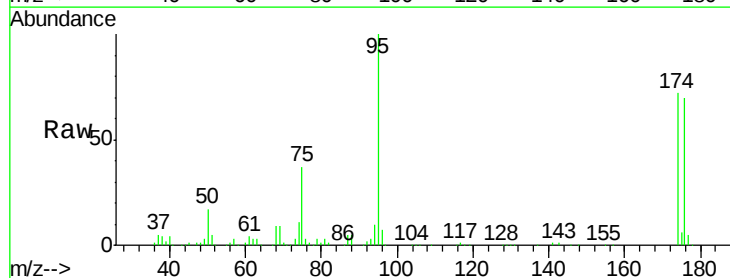
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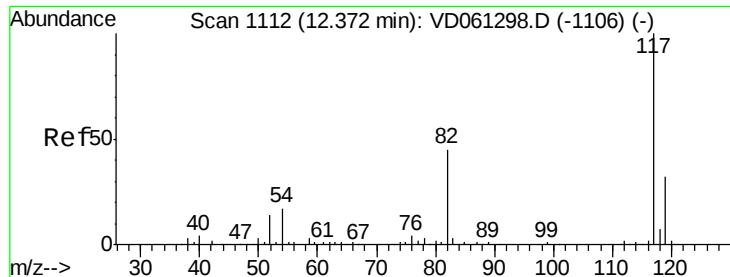
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#62
 4-Bromofluorobenzene
 Concen: 52.577 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	151.8
176	70.4	0.0	148.0





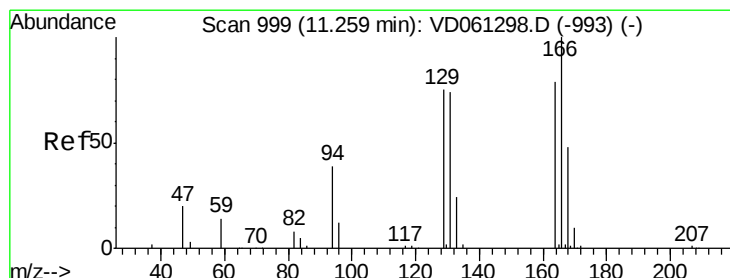
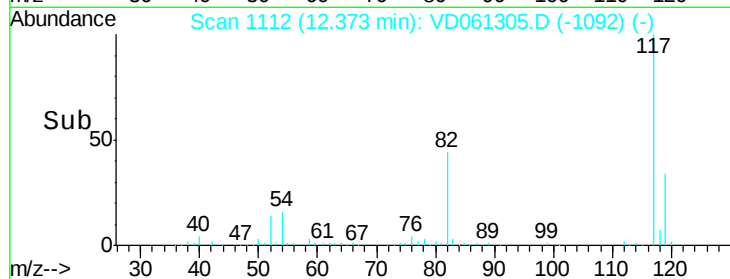
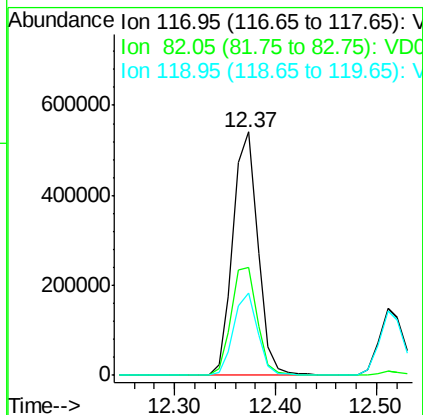
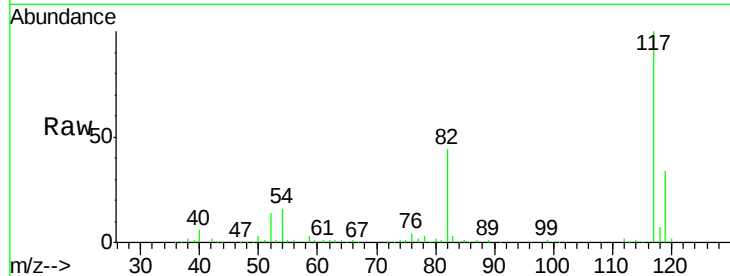
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	44.3	35.7	53.5
119	33.8	25.9	38.9

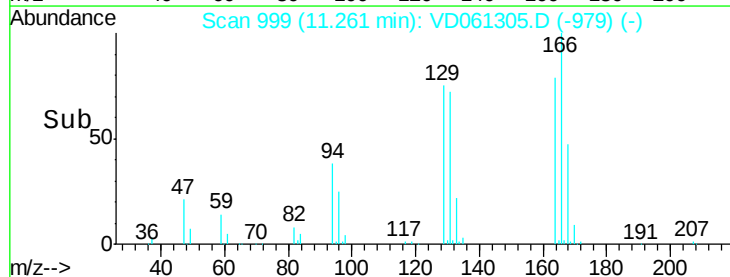
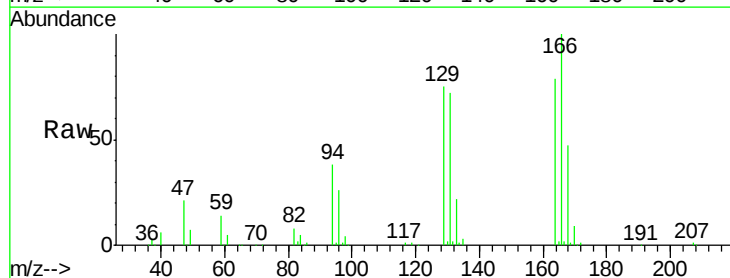
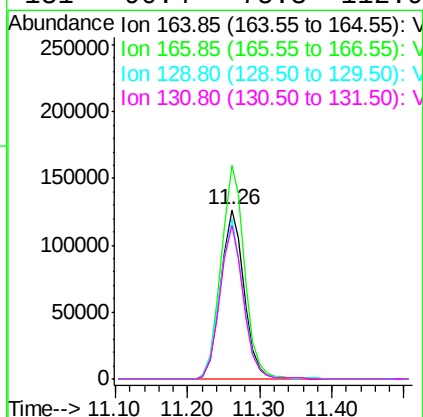
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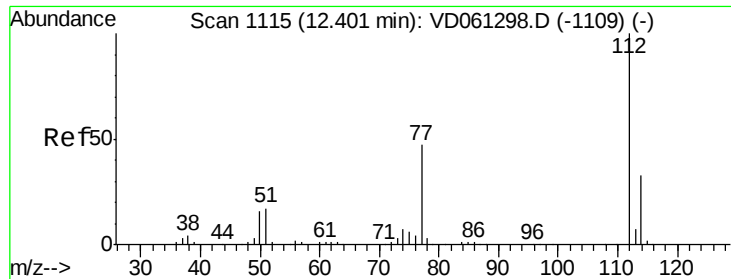
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#64
Tetrachloroethene
Concen: 44.315 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	101.6	152.4
129	94.8	75.9	113.9
131	90.4	75.3	112.9





#65

Chlorobenzene

Concen: 50.957 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion:112 Resp: 874465

Ion Ratio Lower Upper

112 100

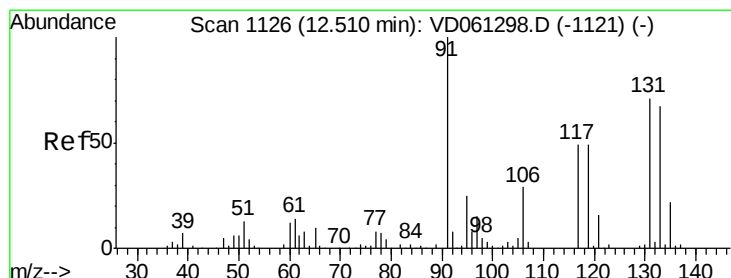
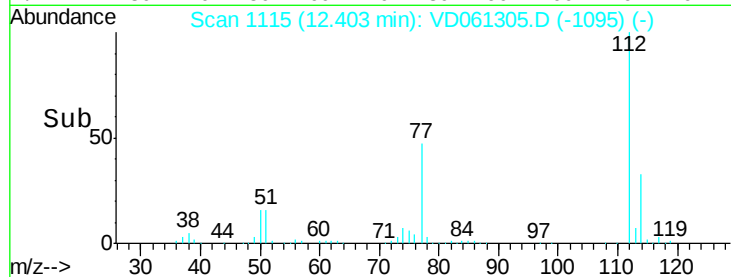
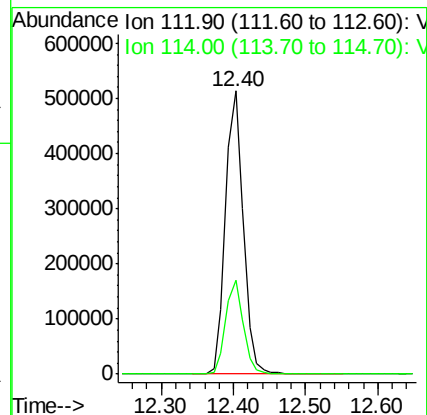
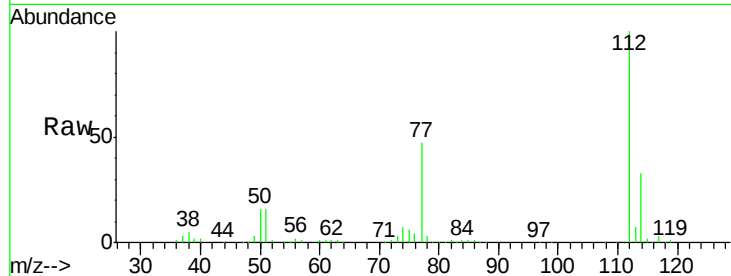
114 33.1 26.5 39.7

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#66

1,1,1,2-Tetrachloroethane

Concen: 54.063 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

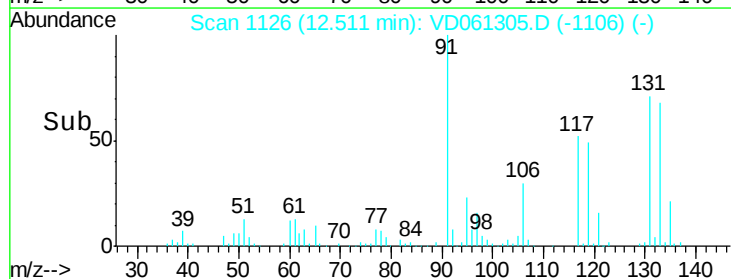
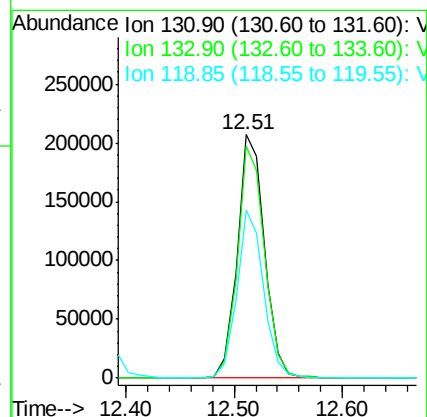
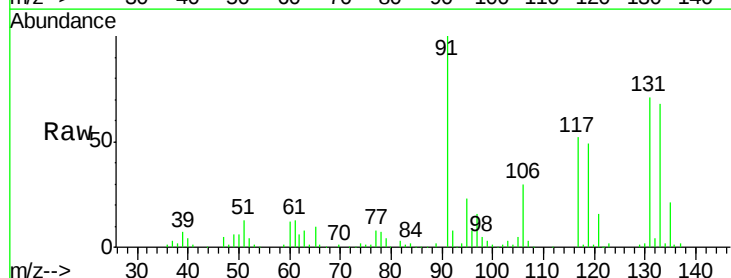
Tgt Ion:131 Resp: 359696

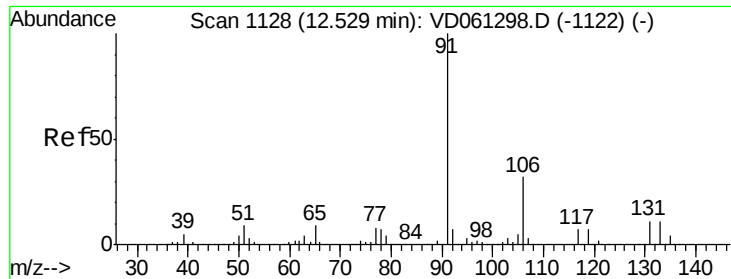
Ion Ratio Lower Upper

131 100

133 95.5 47.0 141.2

119 69.2 34.8 104.5





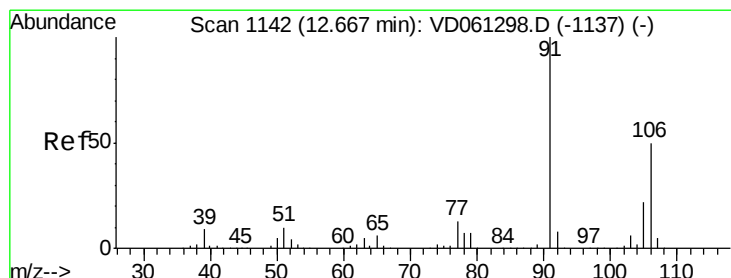
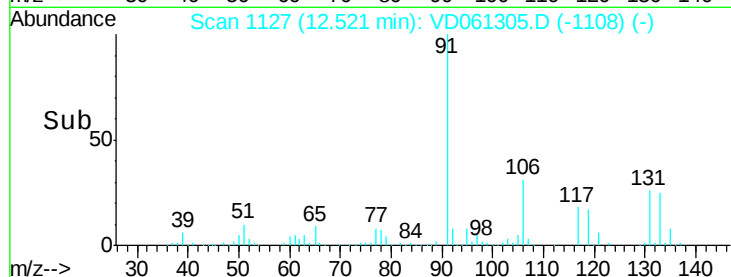
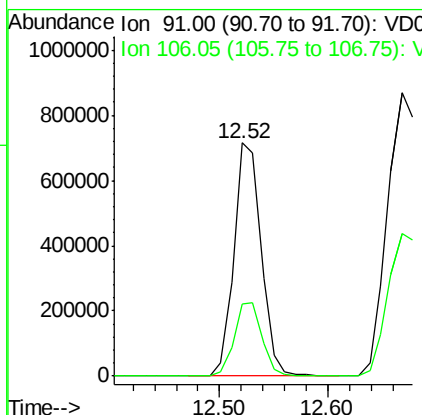
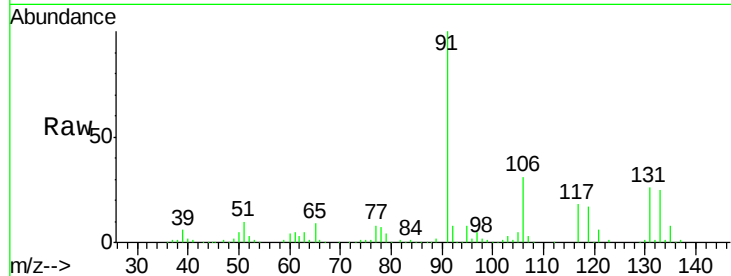
#67
Ethyl Benzene
Concen: 47.774 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion: 91 Resp: 1254678
Ion Ratio Lower Upper
91 100
106 30.8 25.8 38.8

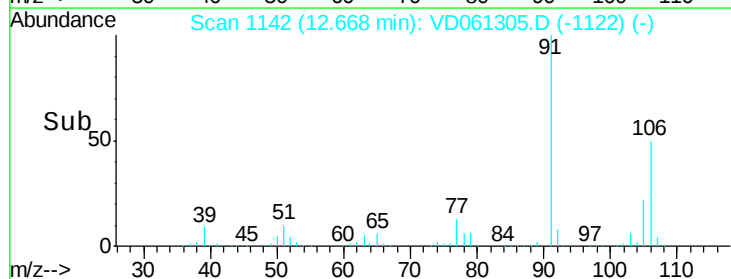
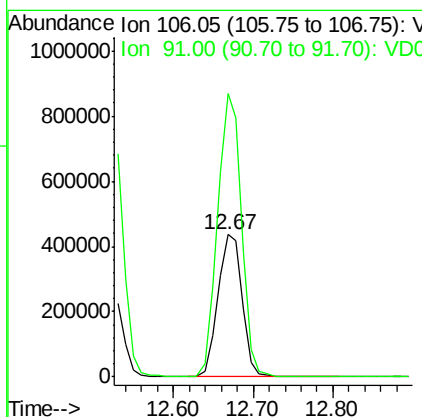
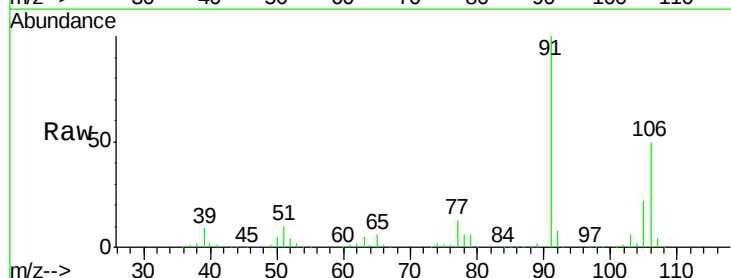
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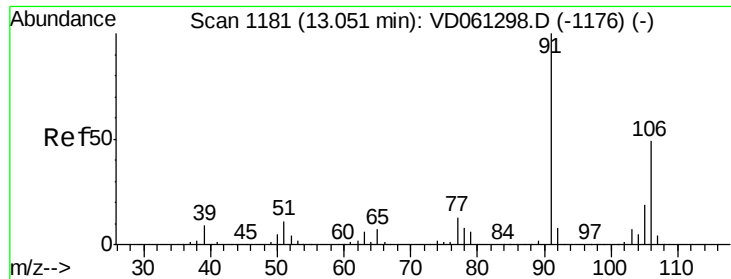
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#68
m/p-Xylenes
Concen: 91.392 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion: 106 Resp: 936928
Ion Ratio Lower Upper
106 100
91 198.7 159.2 238.8





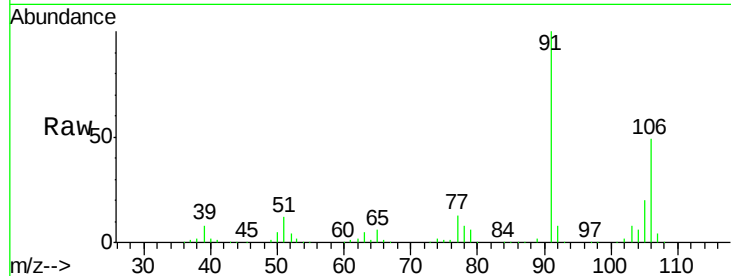
#69
o-Xylene
Concen: 51.234 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

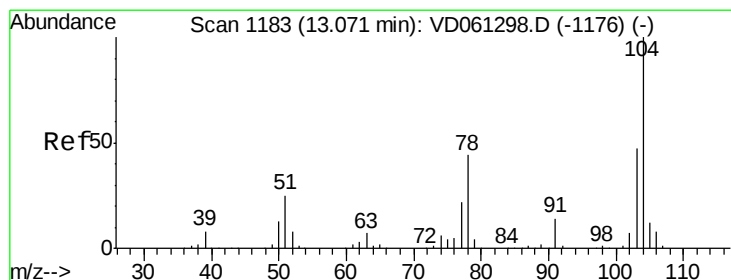
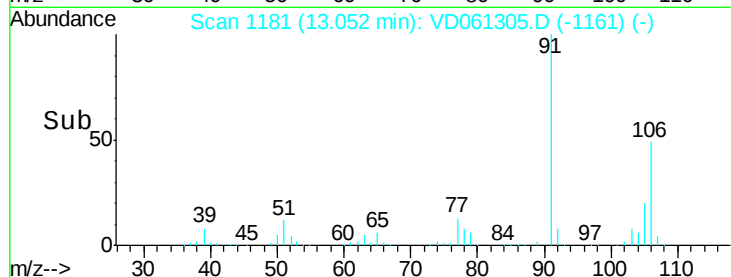
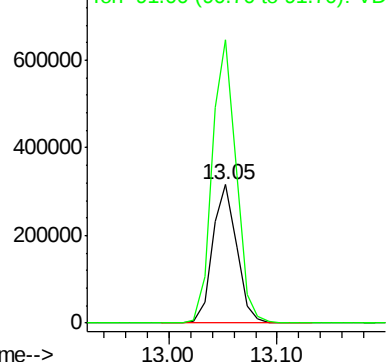
Tot Ion:106 Resp: 487135
Ion Ratio Lower Upper
106 100
91 204.8 102.5 307.5

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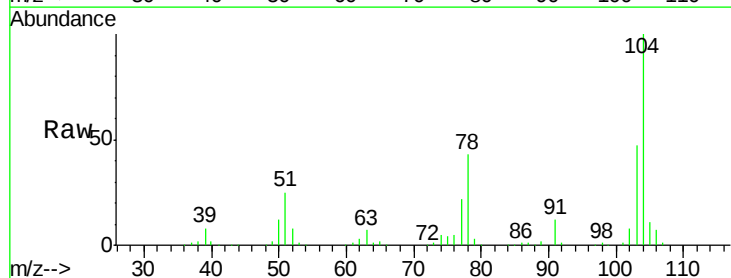


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

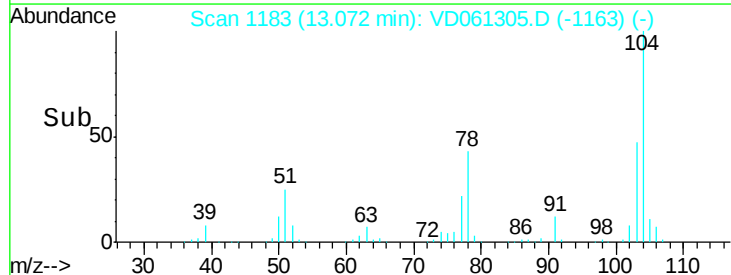
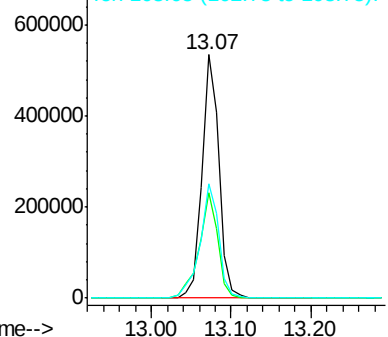


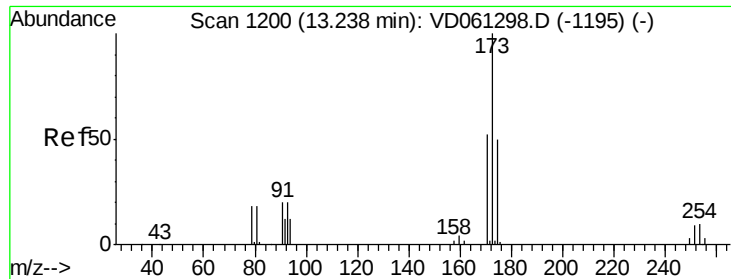
#70
Styrene
Concen: 49.935 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion:104 Resp: 805779
Ion Ratio Lower Upper
104 100
78 43.1 35.1 52.7
103 47.0 37.5 56.3



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





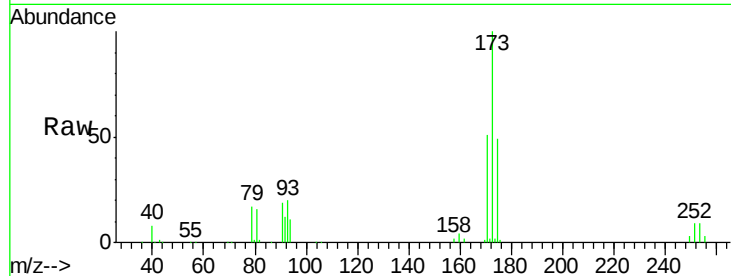
#71
Bromoform
Concen: 50.857 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

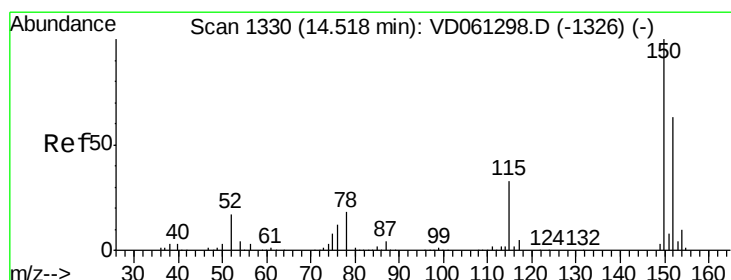
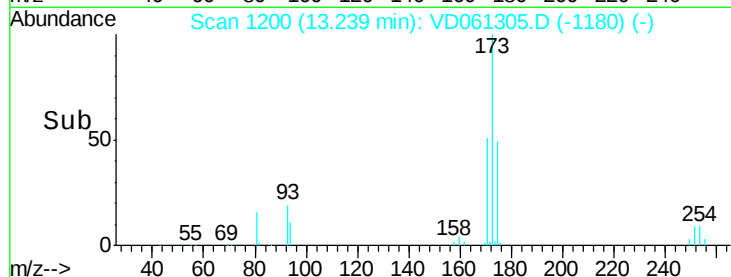
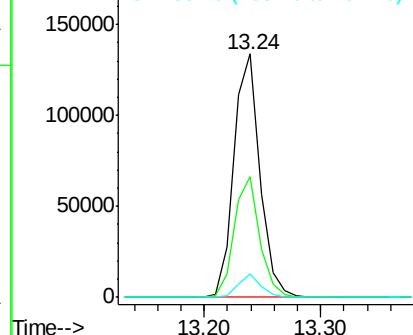
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.9	74.7
254	9.4	7.8	11.6

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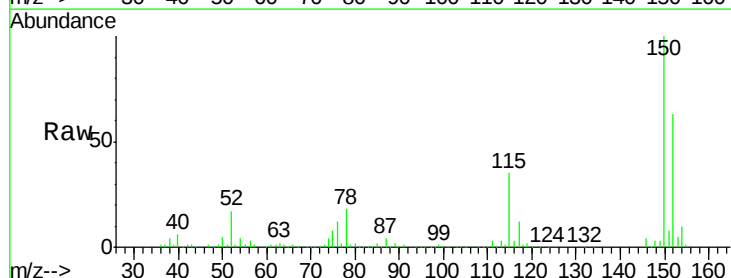


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

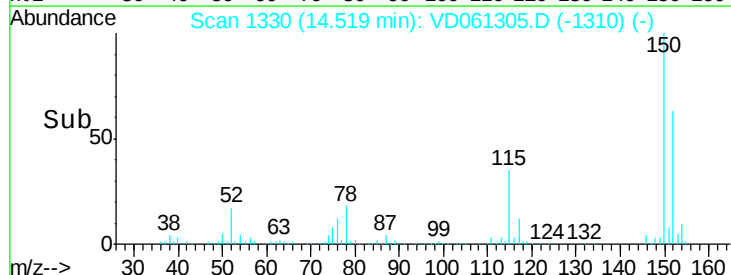
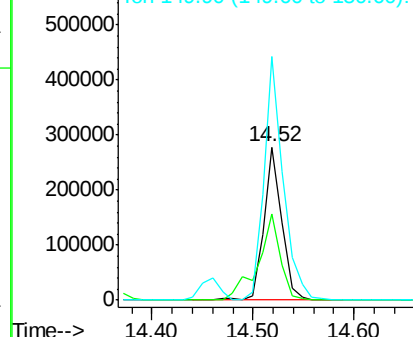


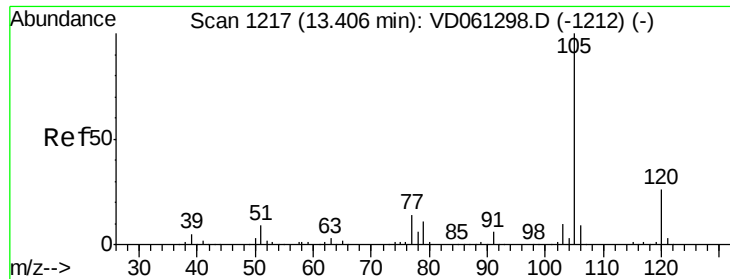
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	29.2	87.6
150	159.2	0.0	319.6



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: 52.304 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion: 105 Resp: 1170296

Ion Ratio Lower Upper

105 100

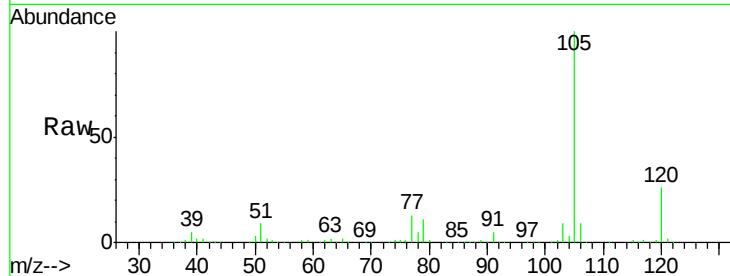
120 25.7 13.1 39.1

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

13.41

800000

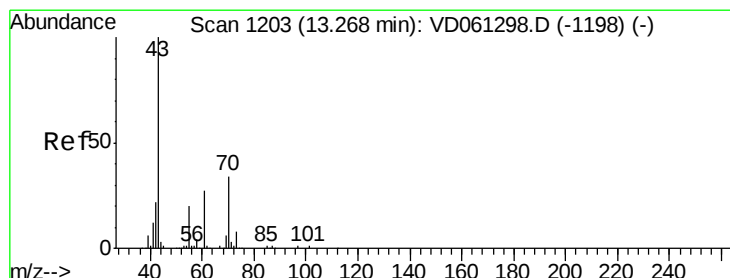
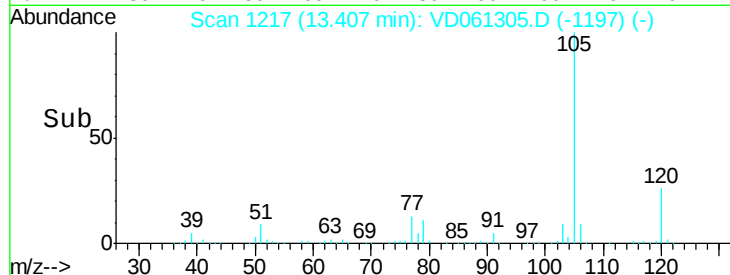
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 60.041 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion: 43 Resp: 351471

Ion Ratio Lower Upper

43 100

70 33.6 27.5 41.3

55 19.5 15.7 23.5

61 28.3 21.8 32.6

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

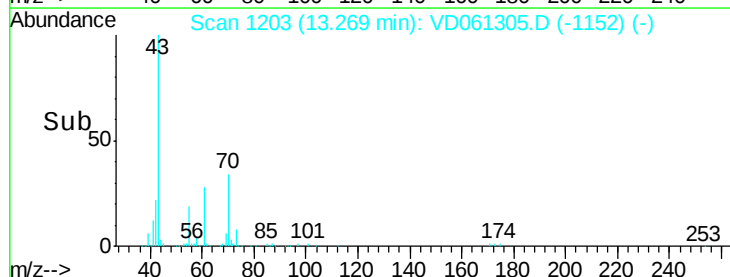
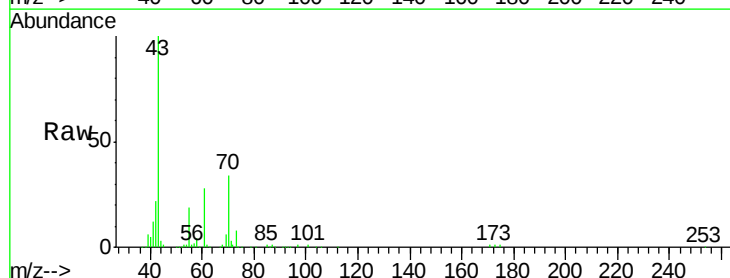
300000

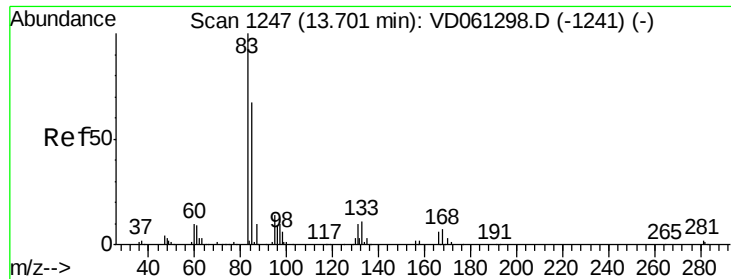
200000

100000

0

Time--> 13.10 13.20 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: 63.694 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

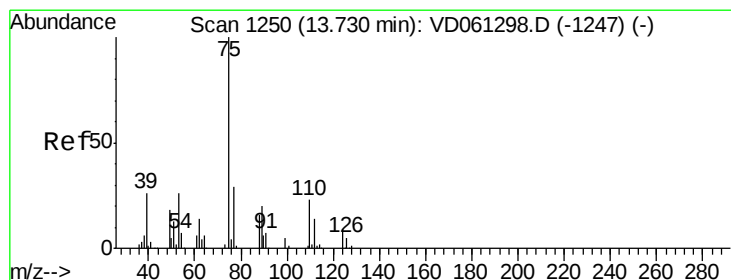
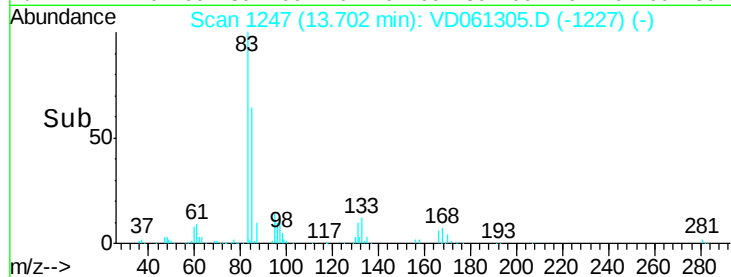
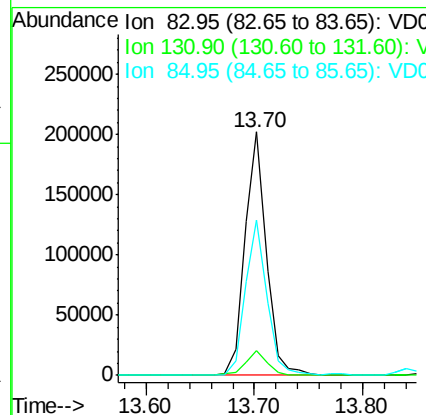
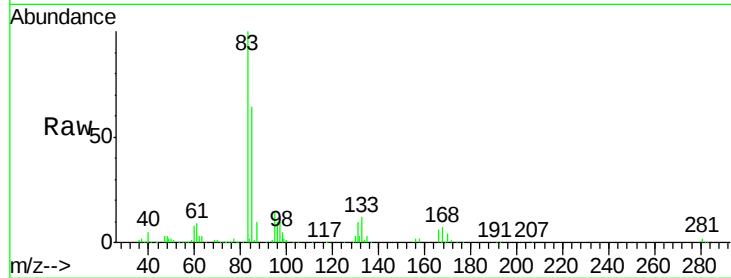
ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion	83	Resp	276366
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	63.7	33.4	100.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 62.575 ug/l

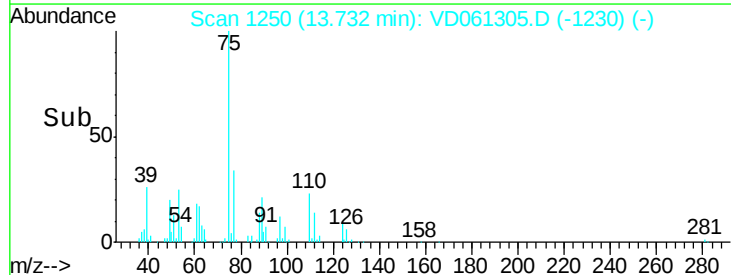
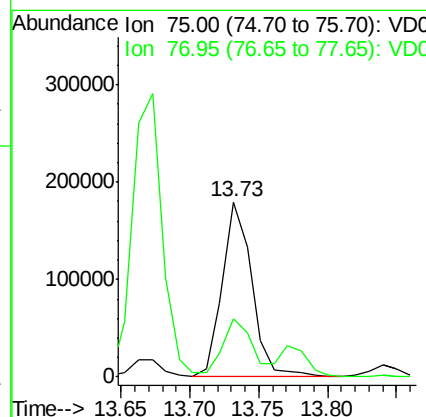
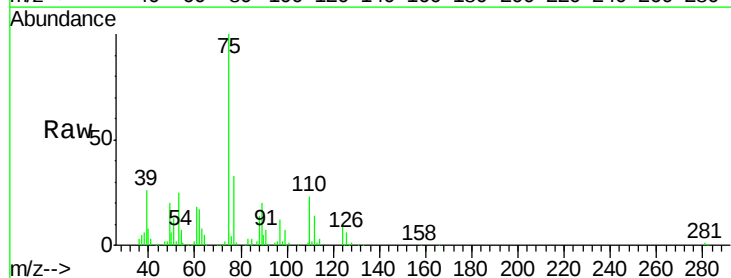
RT: 13.73 min Scan# 1250

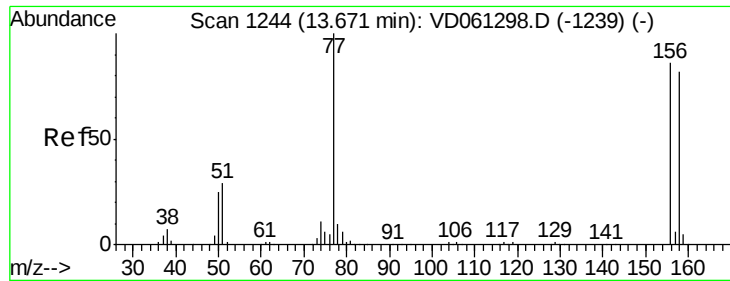
Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion	75	Resp	267703
Ion Ratio	100	Lower	Upper
75	100		
77	33.2	15.8	47.4





#77

Bromobenzene

Concen: 55.350 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

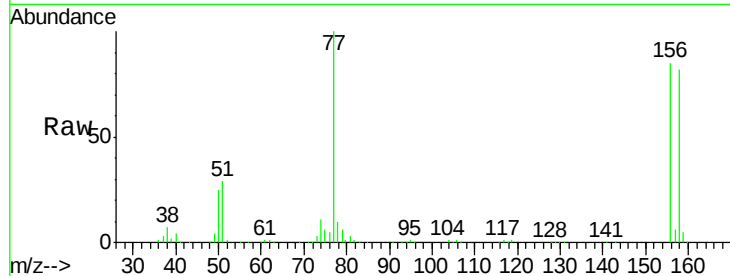
ClientSampleId :

WP022SB441-190319-(23-25)MS

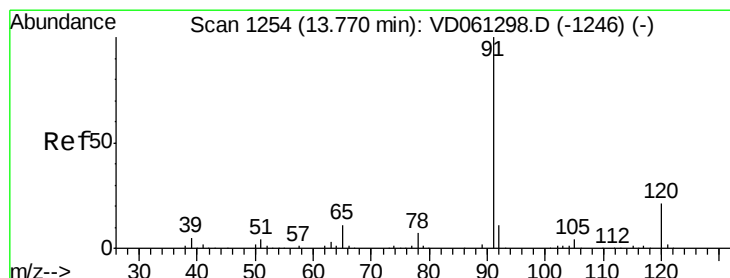
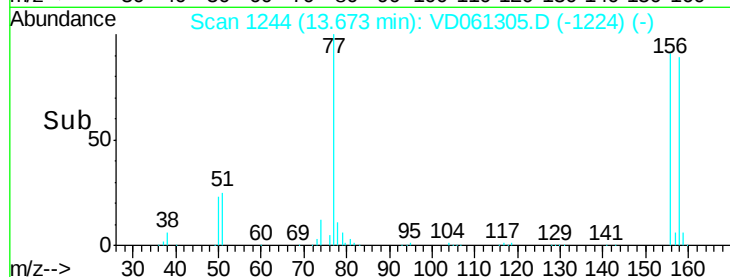
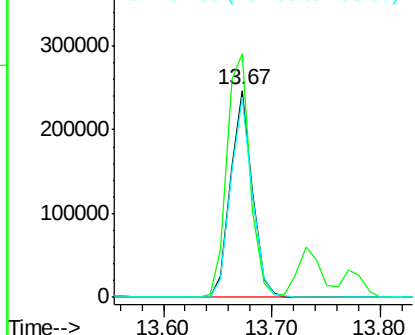
Tot Ion:	156	Resp:	345936
Ion Ratio	Lower	Upper	
156	100		
77	117.9	58.4	175.1
158	97.0	48.1	144.3

Manual Integrations
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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: 49.919 ug/l

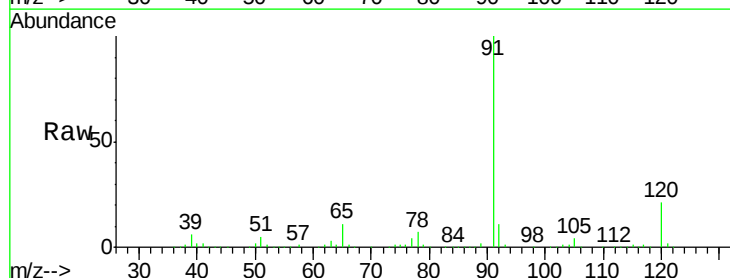
RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

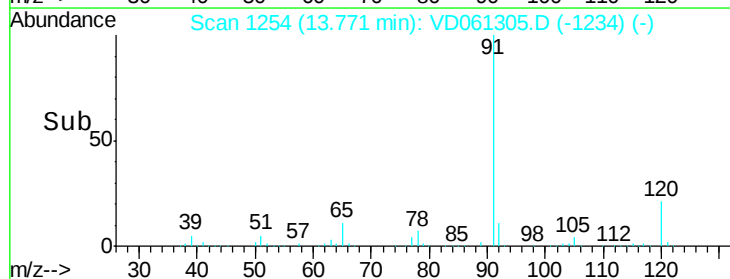
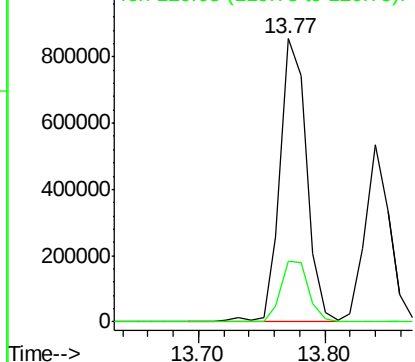
Lab File: VD061305.D

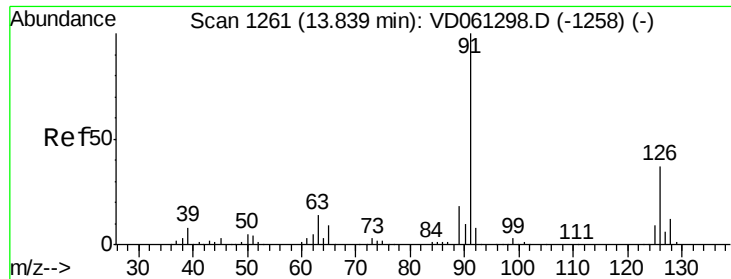
Acq: 25 Mar 2019 16:43

Tgt Ion:	91	Resp:	1260119
Ion Ratio	Lower	Upper	
91	100		
120	21.2	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.467 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion: 91 Resp: 712361

Ion Ratio Lower Upper

91 100

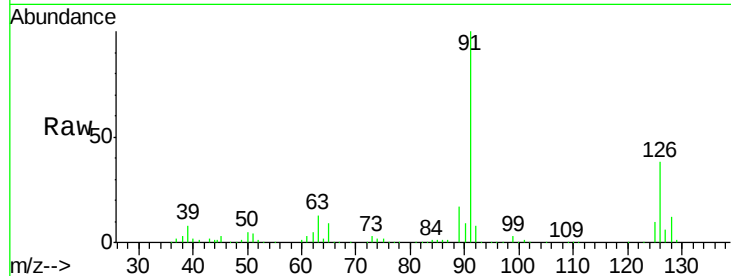
126 37.9 18.4 55.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061298.D (-1258) (-)

1000000

800000

600000

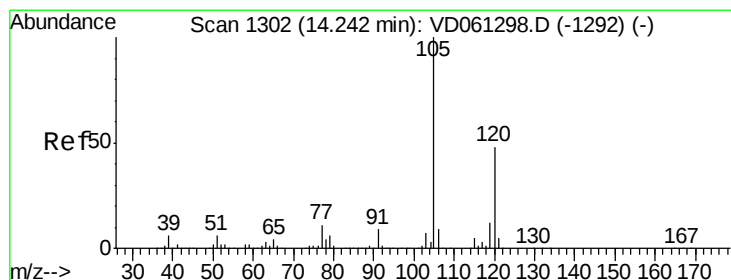
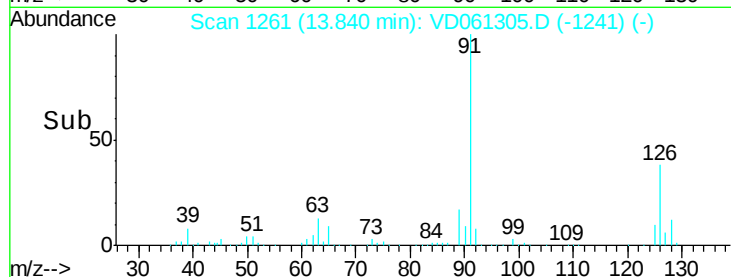
400000

200000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.498 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VD061305.D

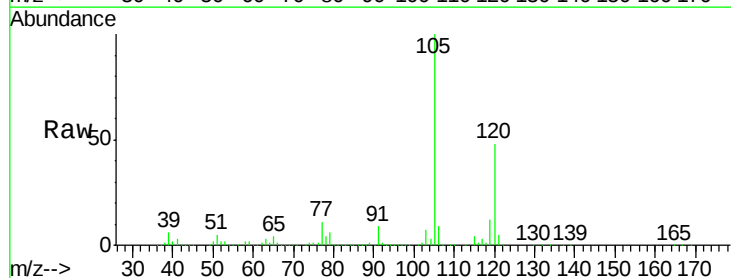
Acq: 25 Mar 2019 16:43

Tgt Ion:105 Resp: 891343

Ion Ratio Lower Upper

105 100

120 47.7 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061298.D (-1292) (-)

600000

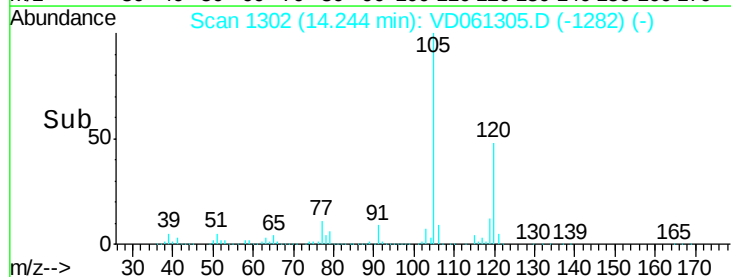
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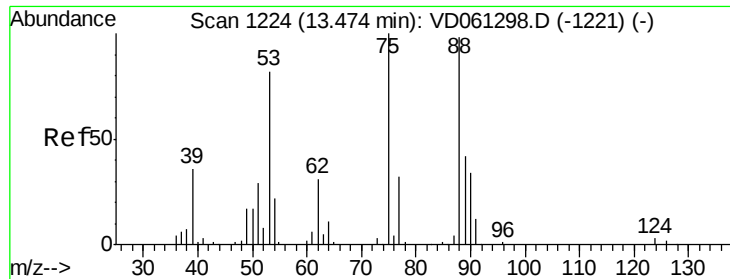
200000

0

14.10 14.20 14.30

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 59.330 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Instrument :

MSVOA_D

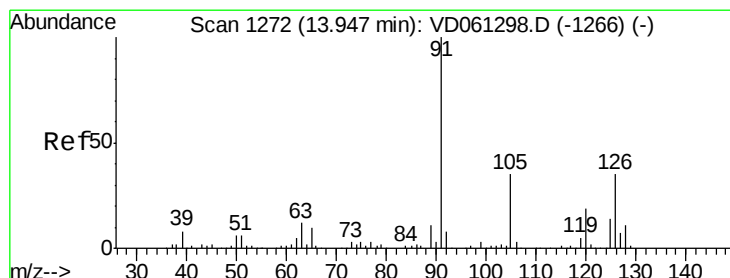
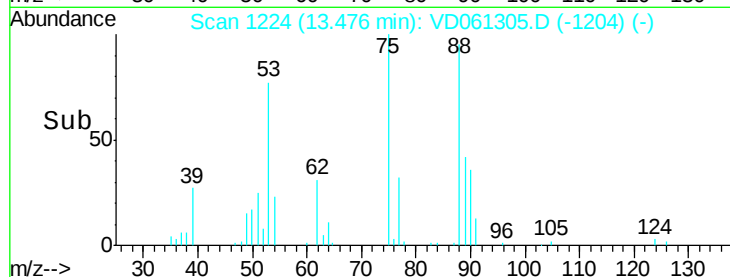
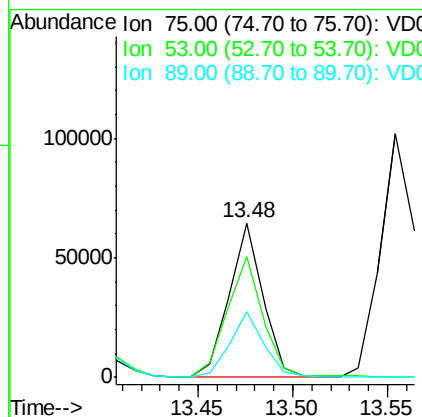
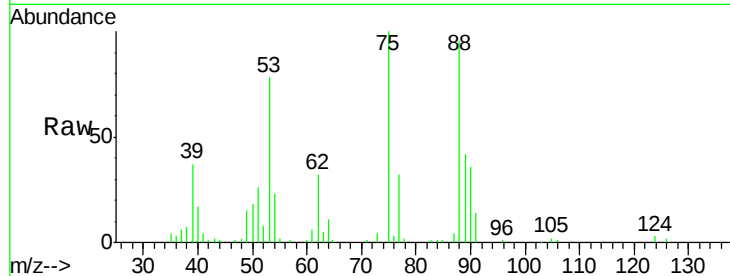
ClientSampleId :

WP022SB441-190319-(23-25)MS

Tot Ion:	75	Resp:	80103
Ion Ratio	Lower	Upper	
75	100		
53	78.4	65.3	97.9
89	42.4	33.8	50.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.787 ug/l

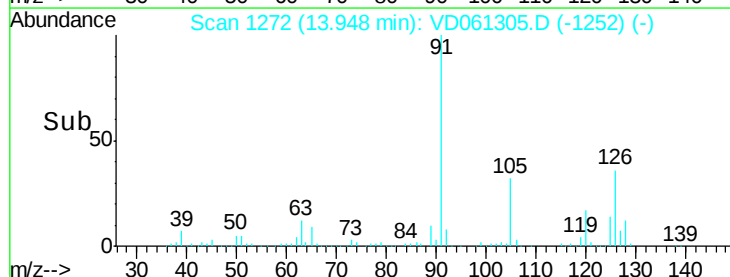
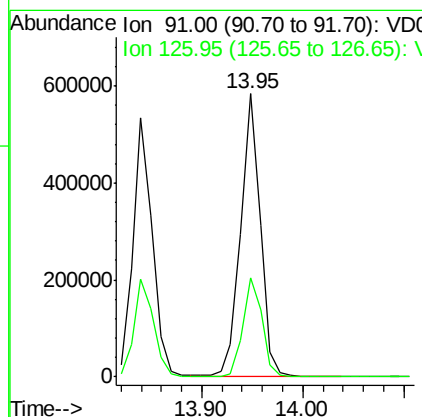
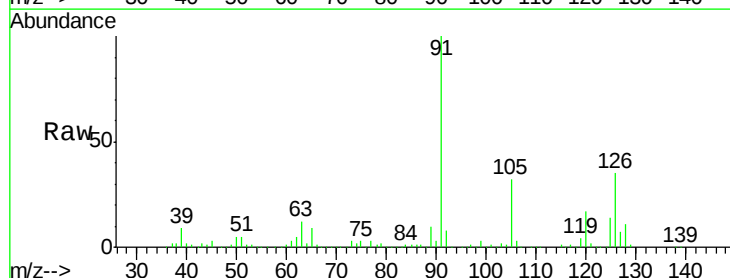
RT: 13.95 min Scan# 1272

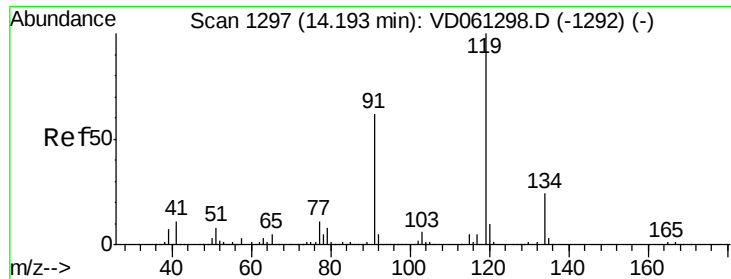
Delta R.T. 0.00 min

Lab File: VD061305.D

Acq: 25 Mar 2019 16:43

Tgt Ion:	91	Resp:	783913
Ion Ratio	Lower	Upper	
91	100		
126	35.2	17.7	53.1





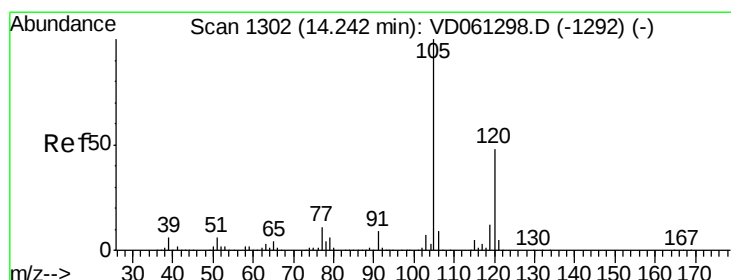
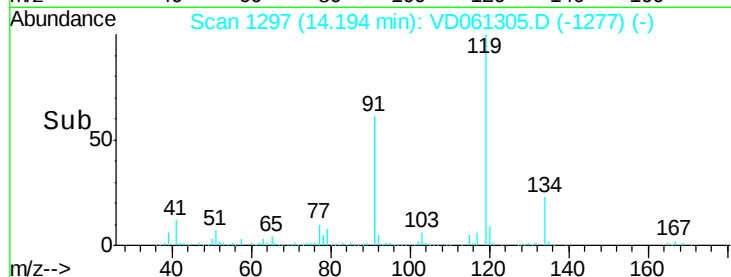
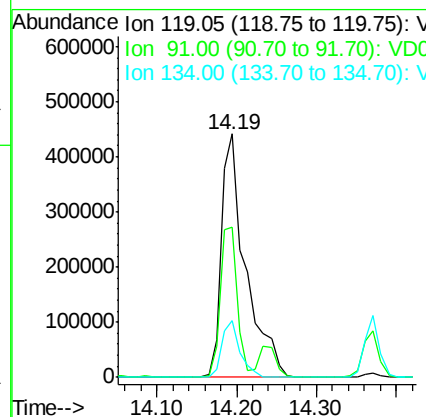
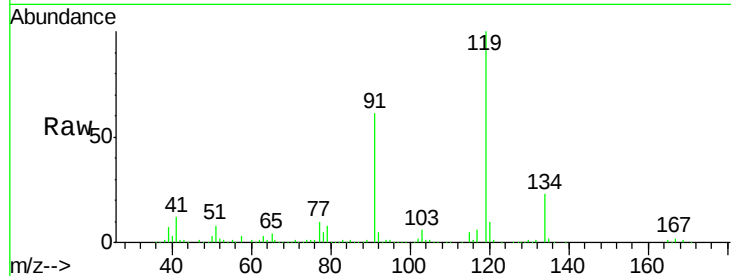
#83
tert-Butylbenzene
Concen: 46.705 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	941272		
91	61.5		31.1	93.5
134	23.3		11.9	35.7

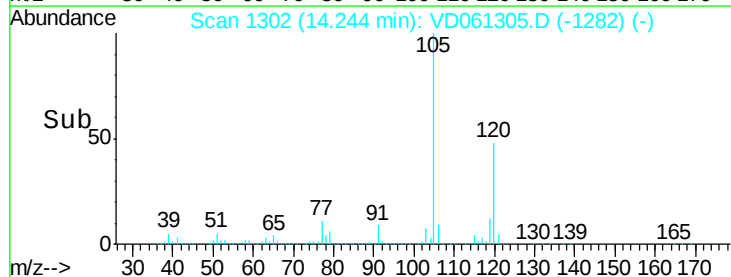
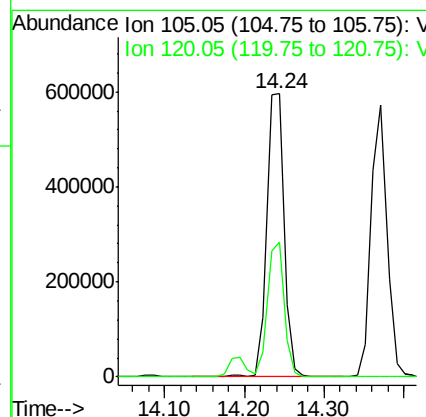
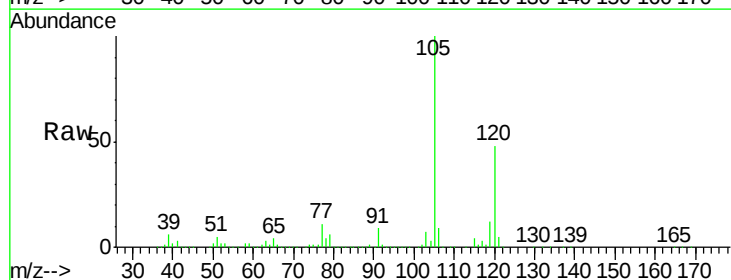
Manual Integrations
APPROVED

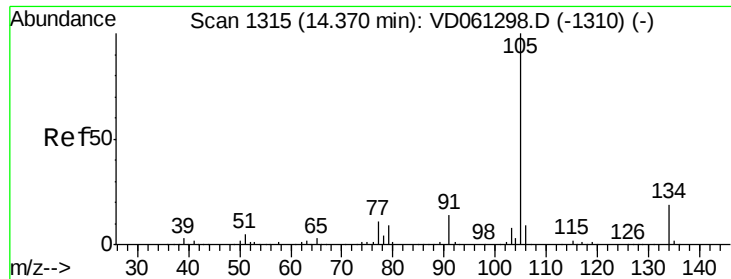
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.498 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	891343		
120	47.7		23.8	71.4





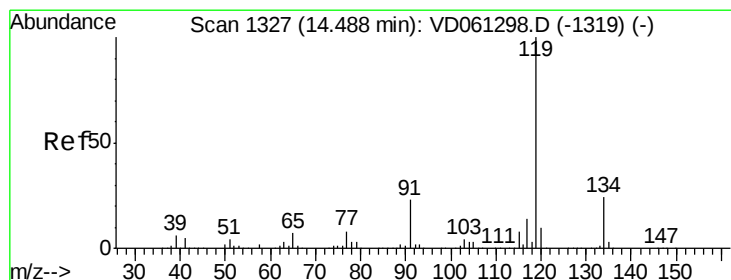
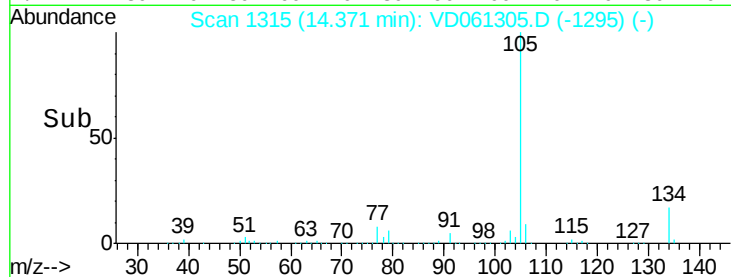
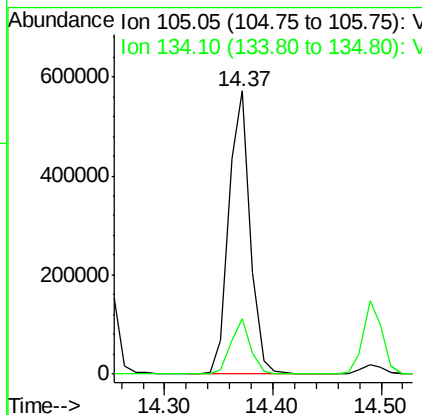
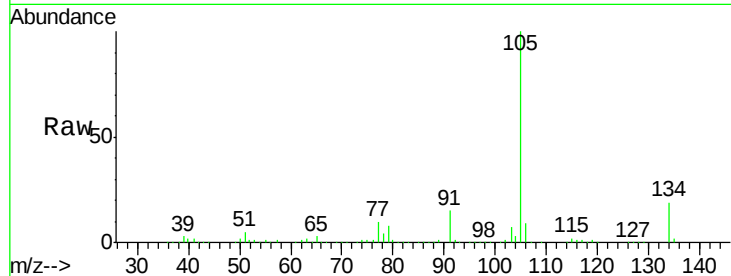
#85
 sec-Butylbenzene
 Concen: 34.668 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB441-190319-(23-25)MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	778104		
134	19.5	9.5	28.5	

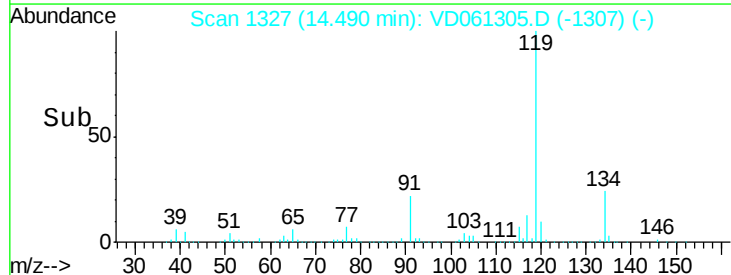
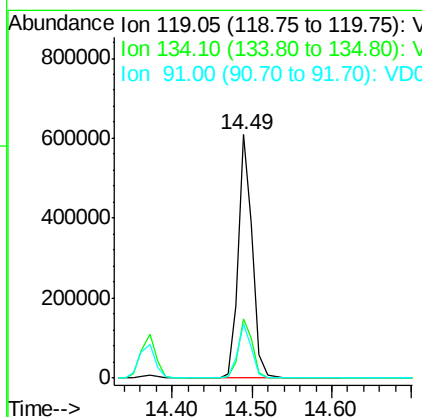
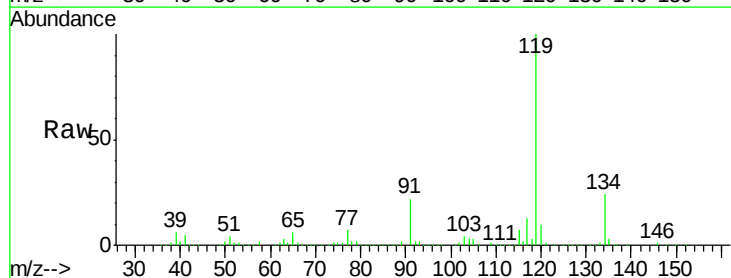
Manual Integrations
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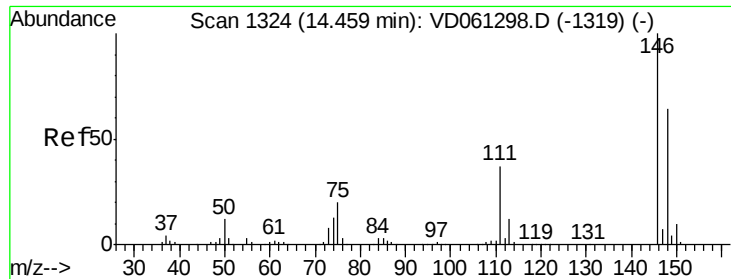
MMDadoda
 3/26/2019 12:28:43 PM



#86
 p-Isopropyltoluene
 Concen: 37.393 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	748763		
134	24.5	12.1	36.3	
91	22.2	11.4	34.2	





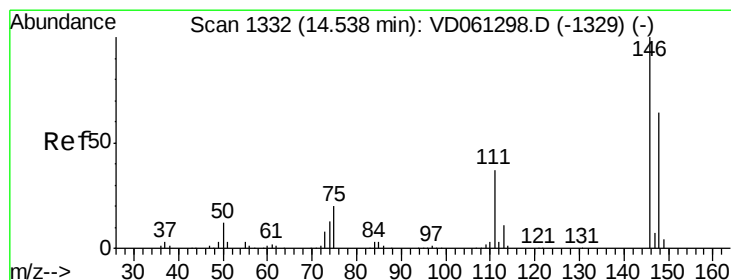
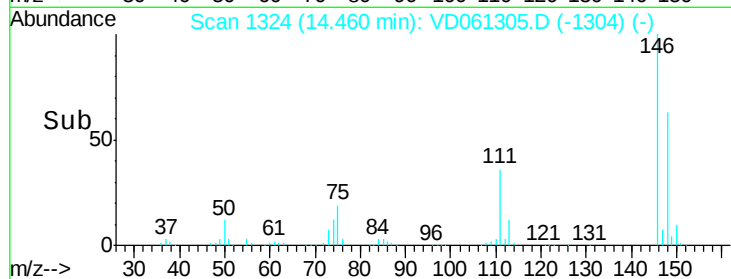
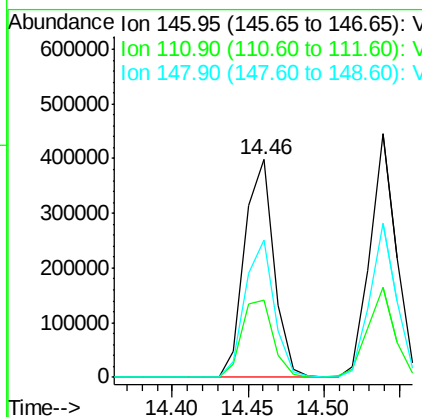
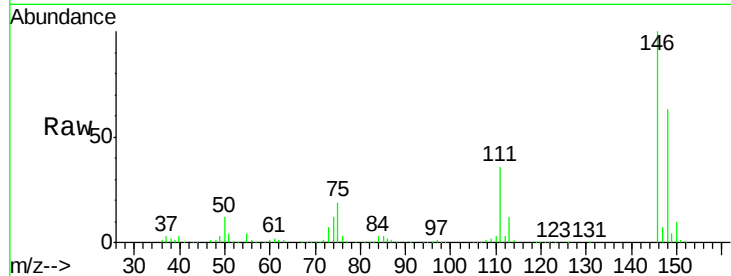
#87
 1,3-Dichlorobenzene
 Concen: 48.808 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB441-190319-(23-25)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.4	55.0
148	63.0	32.0	96.2

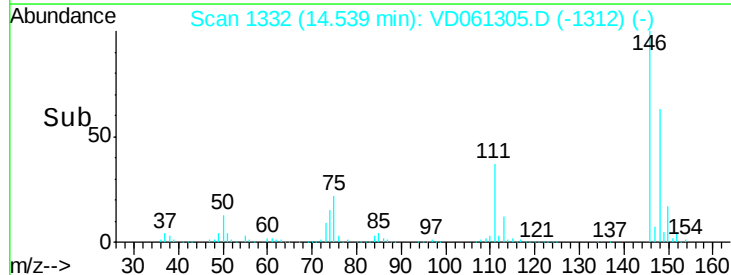
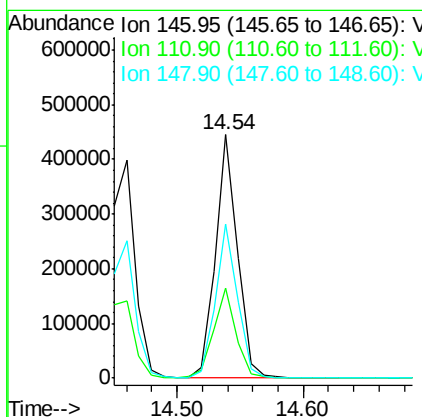
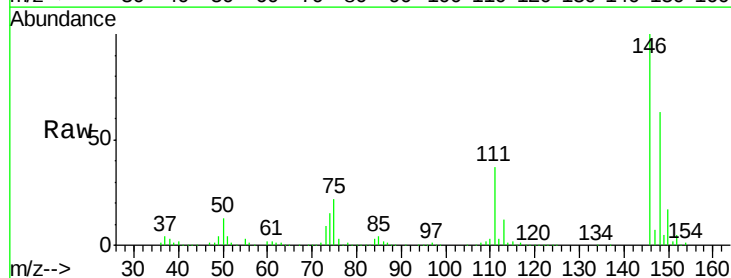
Manual Integrations
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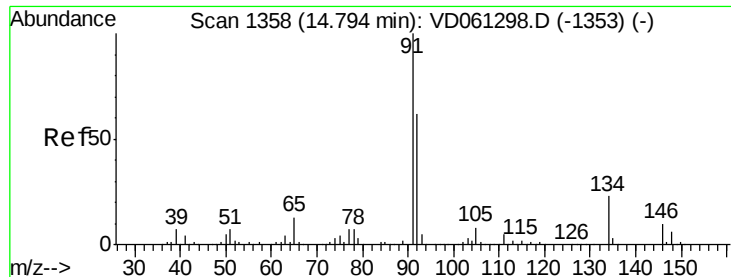
MMDadoda
 3/26/2019 12:28:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.364 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.6
148	63.4	31.9	95.5





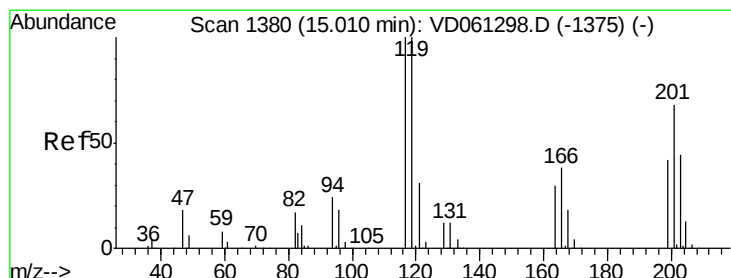
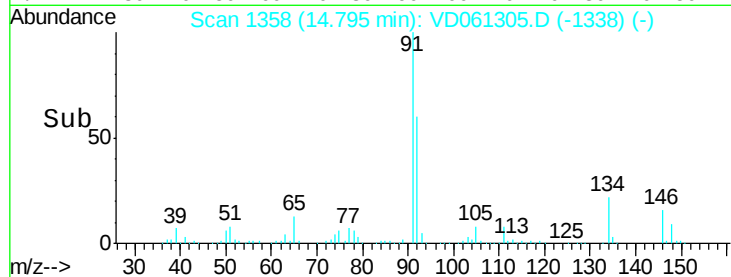
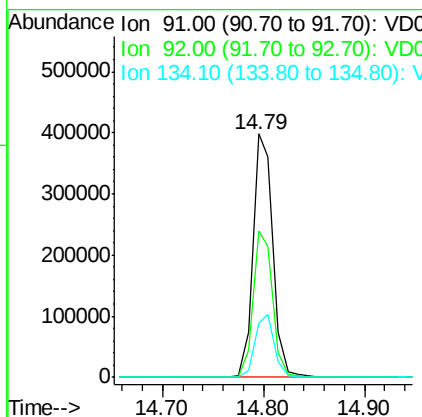
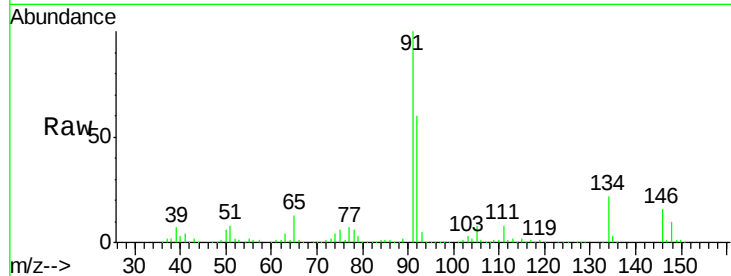
#89
n-Butylbenzene
Concen: 30.765 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.2	30.9	92.7
134	22.4	11.7	35.0

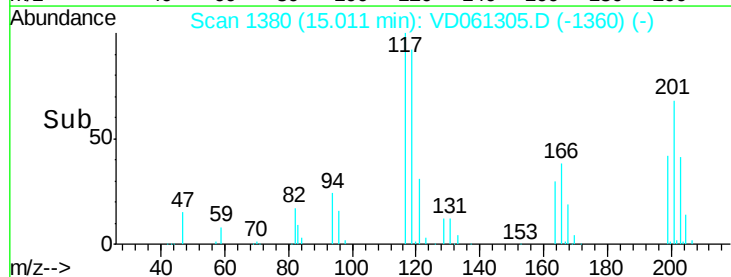
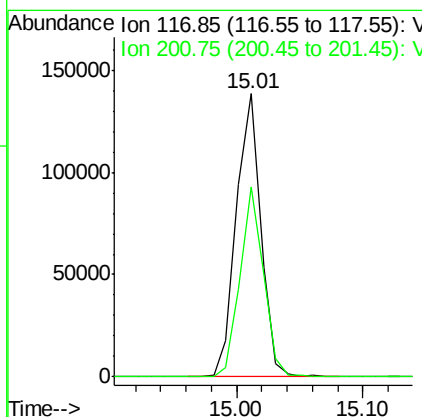
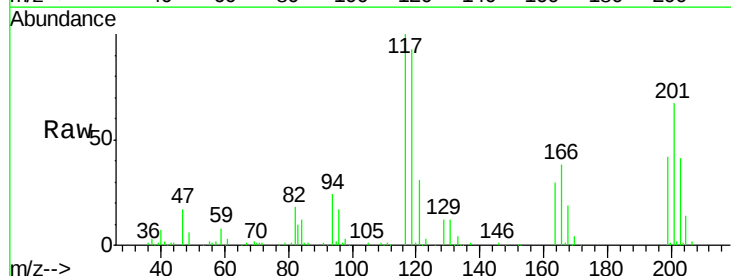
Manual Integrations
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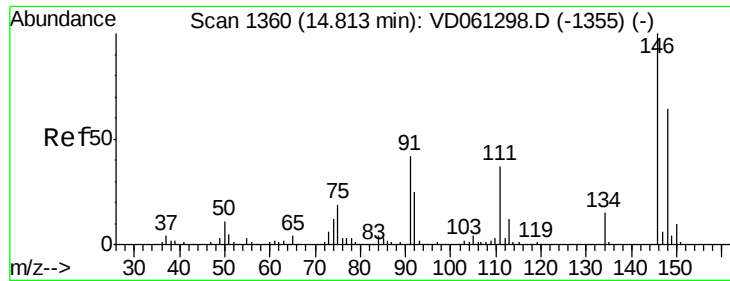
MMDadoda
3/26/2019 12:28:43 PM



#90
Hexachloroethane
Concen: 34.515 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.3	34.0	101.8





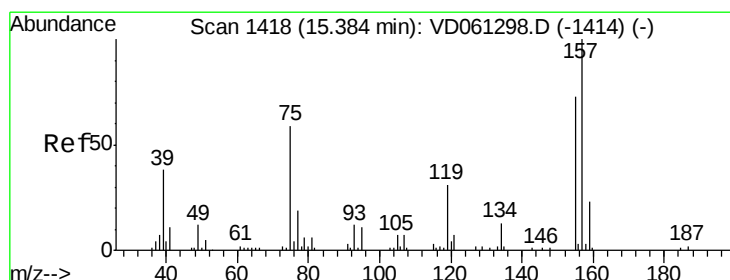
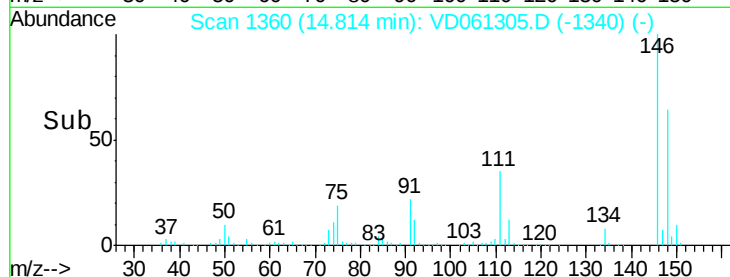
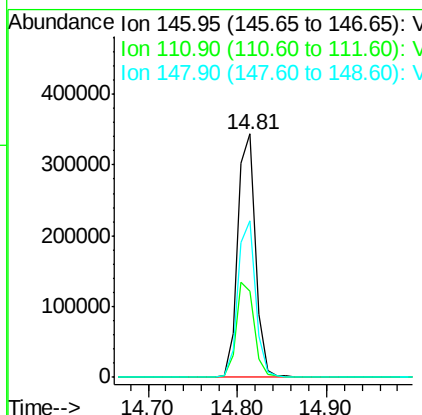
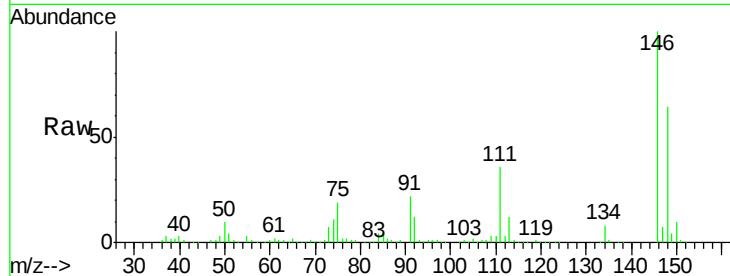
#91
 1,2-Dichlorobenzene
 Concen: 54.927 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB441-190319-(23-25)MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	485534		
111	35.6	18.3	54.8	
148	64.3	31.9	95.7	

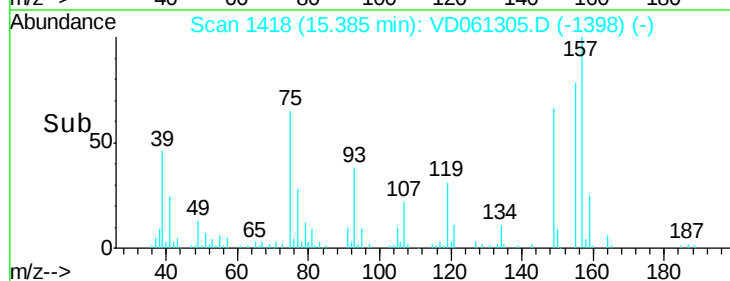
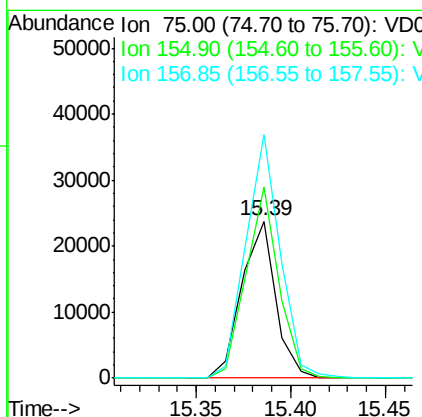
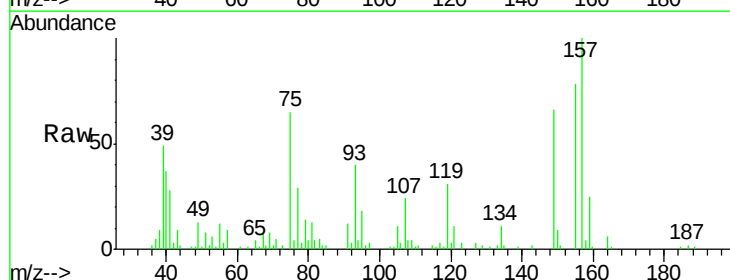
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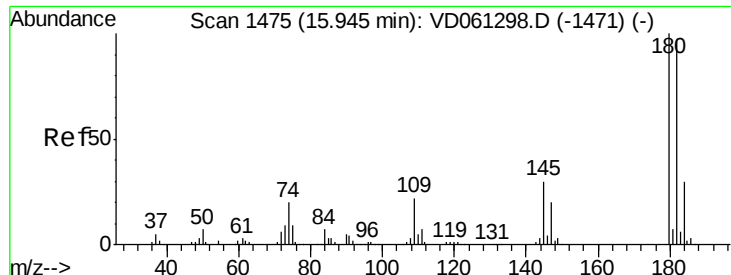
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.212 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29393		
155	121.2	61.9	185.7	
157	154.9	84.4	253.2	





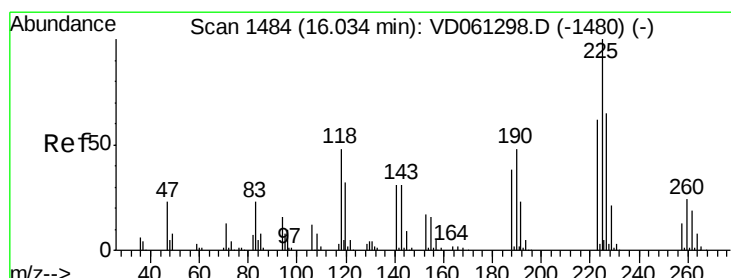
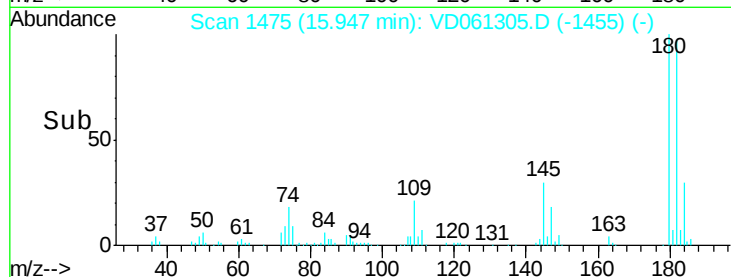
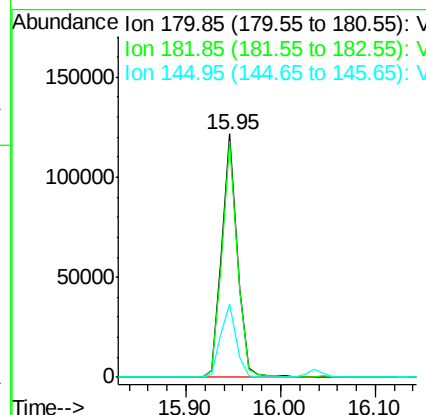
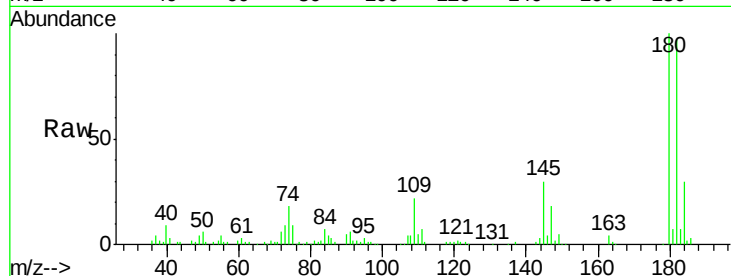
#93
 1,2,4-Trichlorobenzene
 Concen: 34.132 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Instrument :
 MSVOA_D
 ClientSampleId :
 WP022SB441-190319-(23-25)MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	139344		
182	96.7	48.3	144.9	
145	30.3	14.8	44.4	

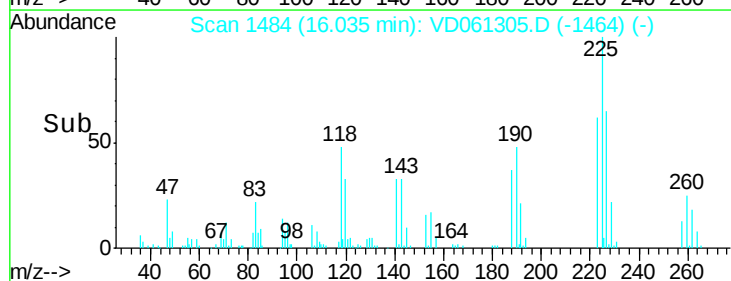
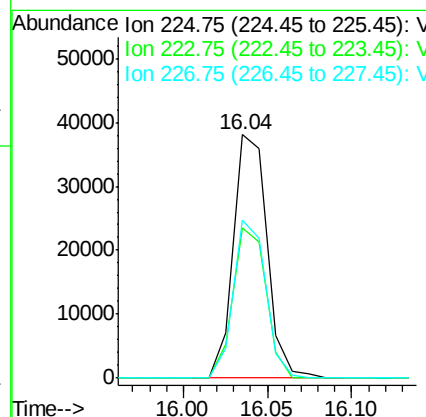
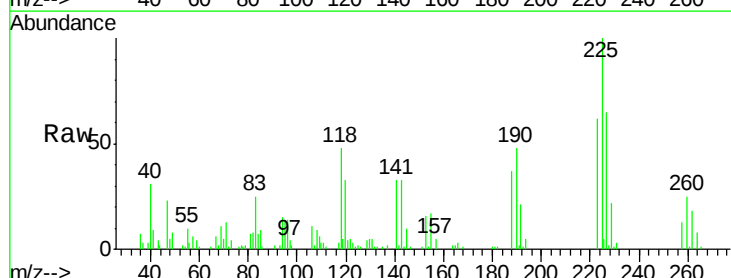
Manual Integrations
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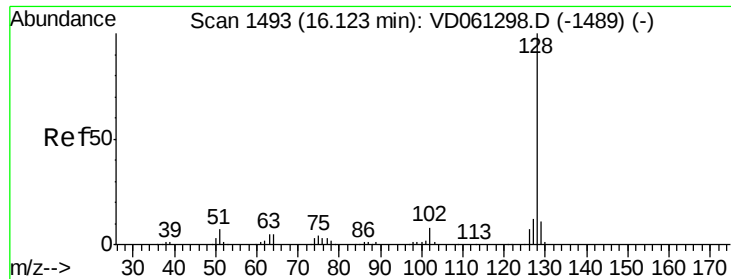
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#94
 Hexachlorobutadiene
 Concen: 16.041 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061305.D
 Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52767		
223	61.7	30.9	92.8	
227	64.8	32.6	97.7	





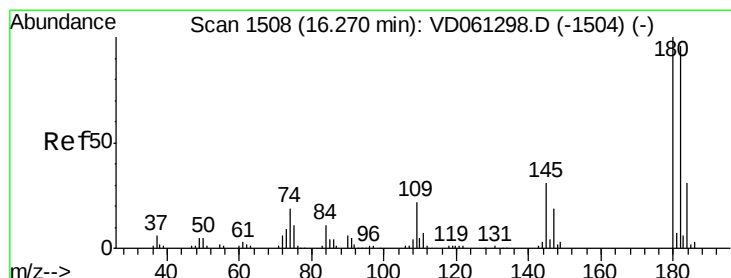
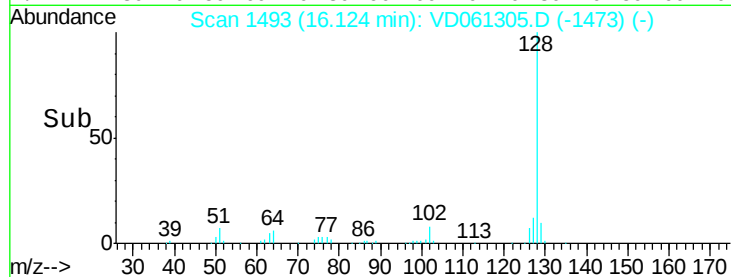
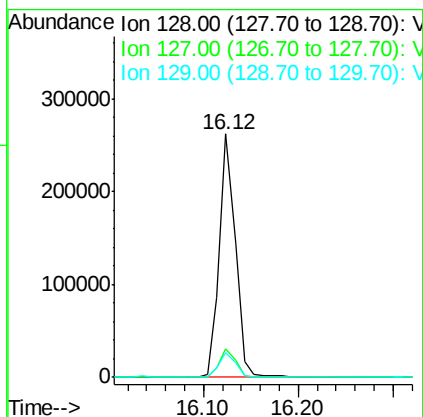
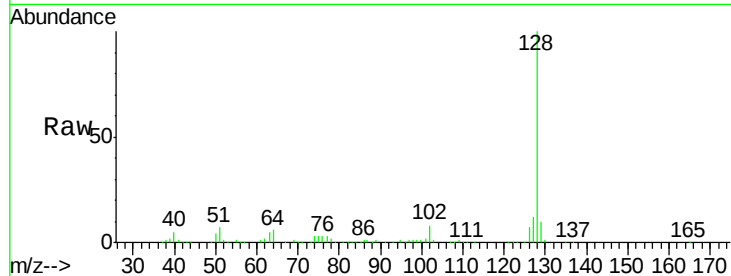
#95
Naphthalene
Concen: 51.924 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :
WP022SB441-190319-(23-25)MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	309303		
127	12.0		9.8	14.6
129	10.4		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 32.904 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061305.D
Acq: 25 Mar 2019 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	62740		
182	91.4		48.0	144.2
145	29.9		15.4	46.4

