

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042219\
 Data File : VD061933.D
 Acq On : 22 Apr 2019 12:16
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 9:22:49 AM

Quant Time: Apr 22 23:36:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	704161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1074572	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	840201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	422208	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	294112	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
35) Dibromofluoromethane	6.93	113	422876	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.41	98	989587	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
62) 4-Bromofluorobenzene	13.56	95	398698	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	333421	48.513	ug/l	98
3) Chloromethane	1.75	50	255332	46.616	ug/l	95
4) Vinyl Chloride	1.85	62	252457	46.442	ug/l	95
5) Bromomethane	2.15	94	58145	47.620	ug/l	97
6) Chloroethane	2.27	64	93628	50.488	ug/l	98
7) Trichlorofluoromethane	2.53	101	381760	43.302	ug/l	95
8) Diethyl Ether	2.87	74	91450	39.580	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.15	101	337333	42.912	ug/l	97
10) Methyl Iodide	3.31	142	494758	40.167	ug/l	96
11) Tert butyl alcohol	4.06	59	81034	232.838	ug/l	96
12) 1,1-Dichloroethene	3.13	96	280055	42.376	ug/l	99
13) Acrolein	3.04	56	66715	198.014	ug/l	98
14) Allyl chloride	3.62	41	388476	43.126	ug/l	96
15) Acrylonitrile	4.20	53	225533	206.420	ug/l	89
16) Acetone	3.22	43	369934	254.336	ug/l	97
17) Carbon Disulfide	3.39	76	864013	40.463	ug/l	100
18) Methyl Acetate	3.64	43	115668	39.676	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	587024	47.597	ug/l	98
20) Methylene Chloride	3.82	84	323559	44.223	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	329665	45.390	ug/l	99
22) Diisopropyl ether	5.12	45	970159	50.384	ug/l	94
23) Vinyl Acetate	5.06	43	2598743	252.469	ug/l	100
24) 1,1-Dichloroethane	4.99	63	576351	49.368	ug/l	100
25) 2-Butanone	6.07	43	410841	248.105	ug/l	99
26) 2,2-Dichloropropane	6.03	77	512965	50.834	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	375865	47.739	ug/l	99
28) Bromochloromethane	6.45	49	209551	47.255	ug/l	98
29) Tetrahydrofuran	6.46	42	201172	249.401	ug/l	99
30) Chloroform	6.67	83	655956	50.375	ug/l	100
31) Cyclohexane	6.96	56	417064	46.666	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	598772	51.873	ug/l	100
36) 1,1-Dichloropropene	7.16	75	461340	52.538	ug/l	100
37) Ethyl Acetate	6.18	43	191639	50.992	ug/l	99
38) Carbon Tetrachloride	7.12	117	594706m	53.636	ug/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	494630	54.245	ug/l	96
40) Benzene	7.46	78	1120820	53.167	ug/l	99
41) Methacrylonitrile	6.45	41	233703	52.612	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	392900	53.514	ug/l	99
43) Isopropyl Acetate	9.24	43	281926	53.308	ug/l #	97
44) Trichloroethene	8.54	130	417266	51.416	ug/l	98
45) 1,2-Dichloropropane	8.95	63	278317	50.685	ug/l	99
46) Dibromomethane	9.07	93	211078	53.947	ug/l	96
47) Bromodichloromethane	9.38	83	499625	55.351	ug/l	99
48) Methyl methacrylate	9.12	41	169897	54.651	ug/l	96
49) 1,4-Dioxane	9.08	88	36994	1088.732	ug/l	92
51) 4-Methyl-2-Pentanone	10.31	43	850311	262.911	ug/l	99
52) Toluene	10.51	92	714351	52.878	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	426084	52.386	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	505795	52.977	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	236138	51.874	ug/l	99
56) Ethyl methacrylate	11.04	69	267371	53.515	ug/l	98
57) 1,3-Dichloropropane	11.42	76	386722	56.508	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	578463	243.419	ug/l	97
59) 2-Hexanone	11.54	43	641599	267.096	ug/l	99
60) Dibromochloromethane	11.69	129	409998	55.044	ug/l	100
61) 1,2-Dibromoethane	11.81	107	292237	52.209	ug/l	99
64) Tetrachloroethene	11.27	164	307747	48.840	ug/l	99
65) Chlorobenzene	12.40	112	852896	54.507	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	343792	52.429	ug/l	95
67) Ethyl Benzene	12.53	91	1257878	50.198	ug/l	99
68) m/p-Xylenes	12.68	106	1021081	108.480	ug/l	94
69) o-Xylene	13.05	106	469111	53.024	ug/l	99
70) Styrene	13.08	104	827472	54.351	ug/l	97
71) Bromoform	13.24	173	226323	58.147	ug/l	97
73) Isopropylbenzene	13.41	105	1337004	48.828	ug/l	99
74) N-amyl acetate	13.27	43	349007	47.400	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	259076	47.867	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	284801	51.364	ug/l	99
77) Bromobenzene	13.67	156	368777	47.412	ug/l	86
78) n-propylbenzene	13.78	91	1570299	49.637	ug/l	99
79) 2-Chlorotoluene	13.85	91	916743	49.606	ug/l	96
80) 1,3,5-Trimethylbenzene	13.94	105	1137048	52.335	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	86688	48.353	ug/l	91
82) 4-Chlorotoluene	13.95	91	1051625	49.715	ug/l	88
83) tert-Butylbenzene	14.19	119	1324654	51.926	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1143791	52.373	ug/l	100
85) sec-Butylbenzene	14.37	105	1270943	48.193	ug/l	100
86) p-Isopropyltoluene	14.50	119	1236773	50.123	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	675645	49.758	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	675280	50.309	ug/l	99
89) n-Butylbenzene	14.80	91	1107873	50.723	ug/l	98
90) Hexachloroethane	15.01	117	350743	52.152	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	548851	48.255	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.39	75	36599	48.550	ug/l	92

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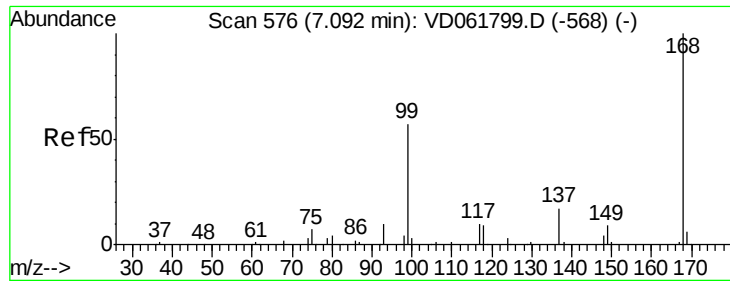
Manual Integrations
APPROVED

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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	302920	48.490	ug/l	97
94) Hexachlorobutadiene	16.04	225	238411	52.662	ug/l	98
95) Naphthalene	16.13	128	499214	52.137	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	163664	45.973	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. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 704161

Ion Ratio Lower Upper

168 100

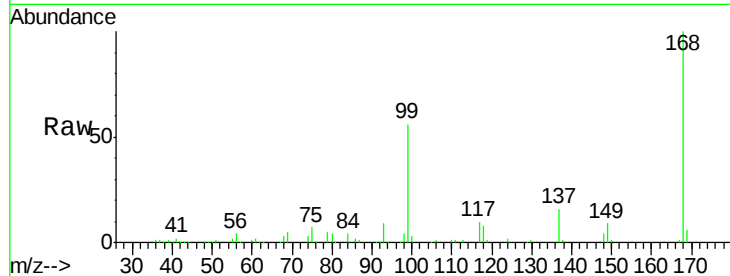
99 55.8 46.5 69.7

Manual Integrations

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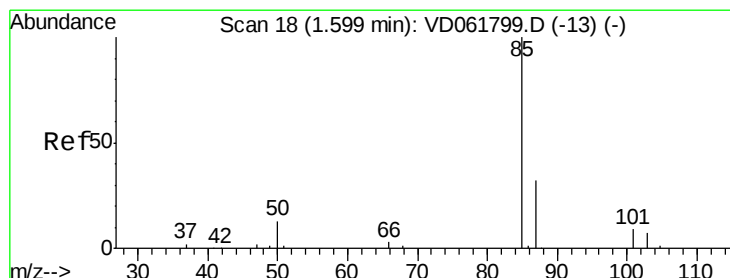
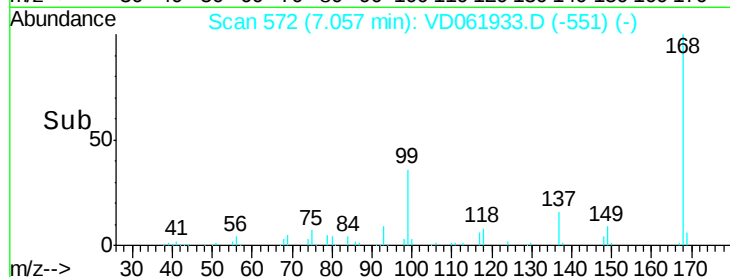
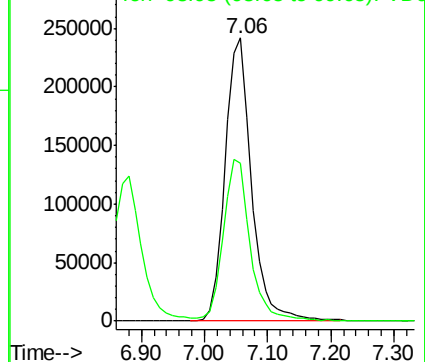
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 48.513 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061933.D

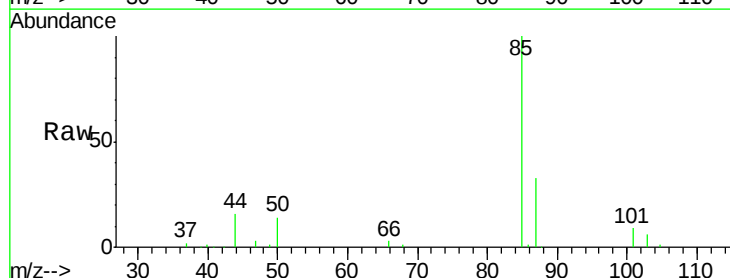
Acq: 22 Apr 2019 12:16

Tgt Ion: 85 Resp: 333421

Ion Ratio Lower Upper

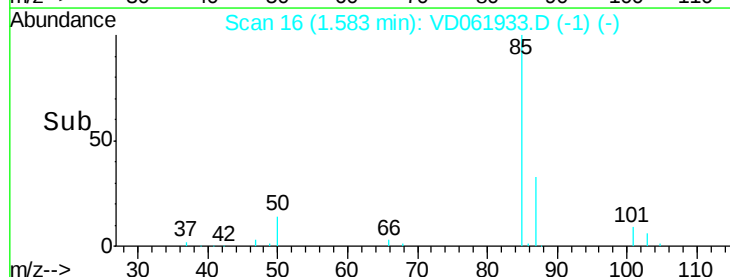
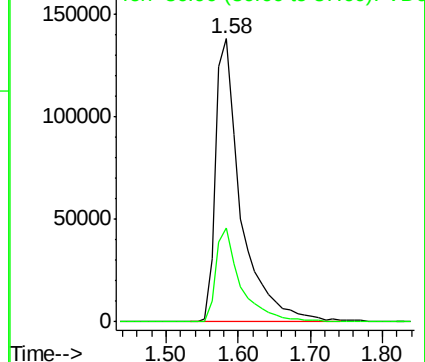
85 100

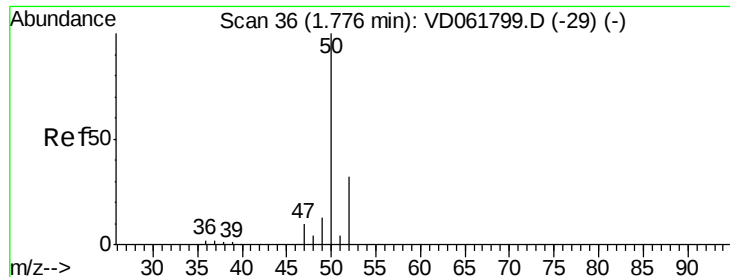
87 33.3 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.616 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 255332

Ion Ratio Lower Upper

50 100

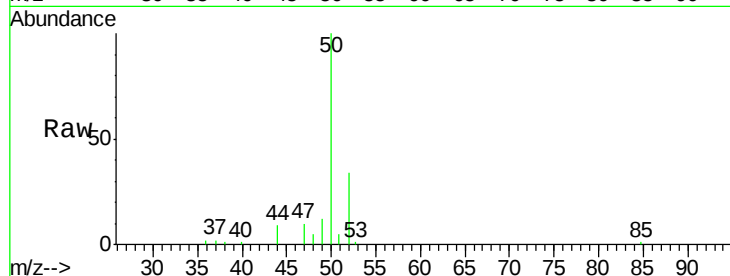
52 34.3 25.2 37.8

Manual Integrations

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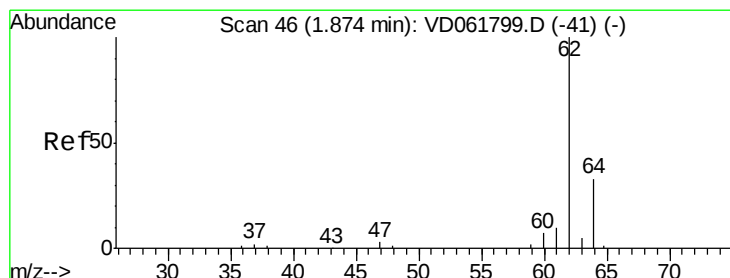
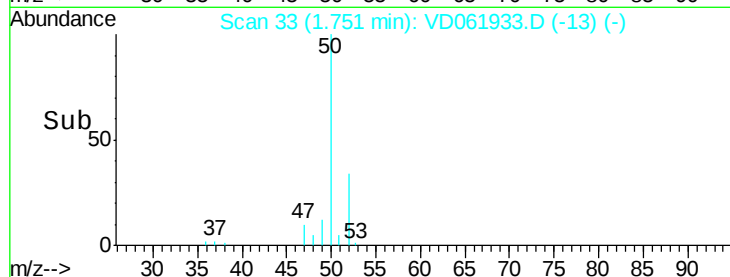
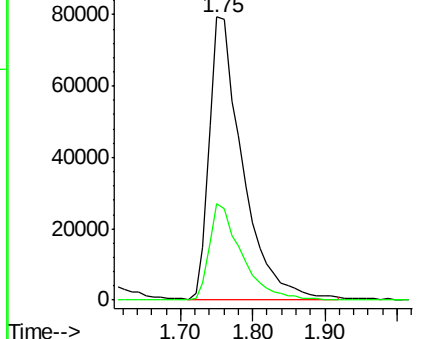
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.442 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061933.D

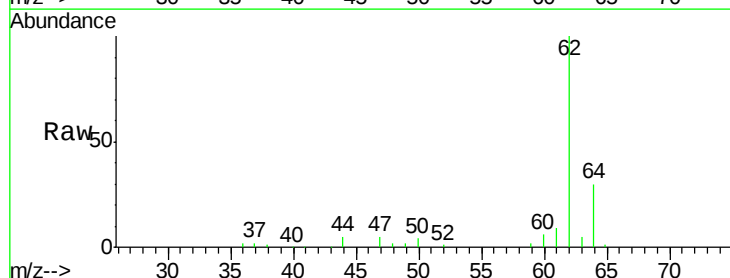
Acq: 22 Apr 2019 12:16

Tgt Ion: 62 Resp: 252457

Ion Ratio Lower Upper

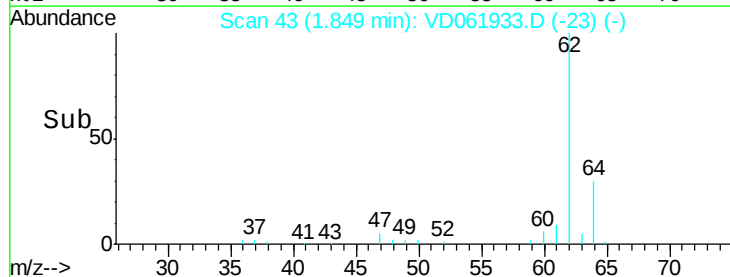
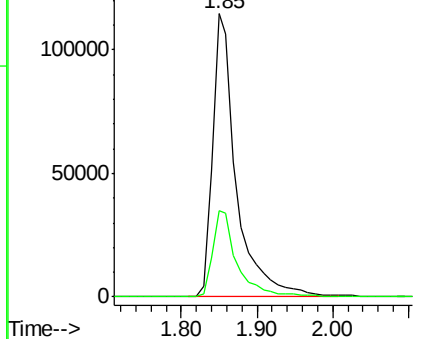
62 100

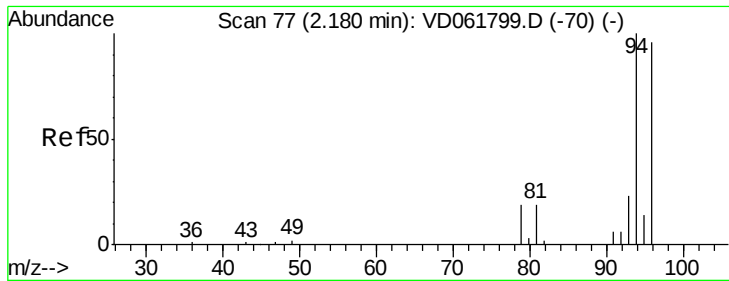
64 30.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 47.620 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

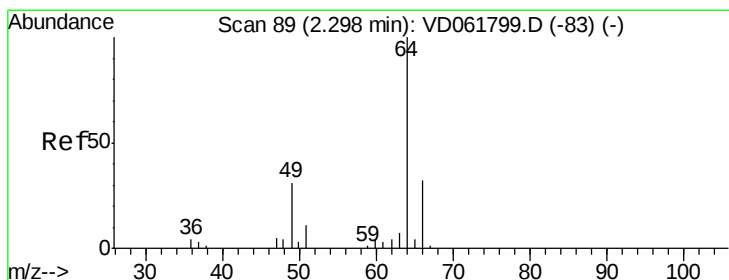
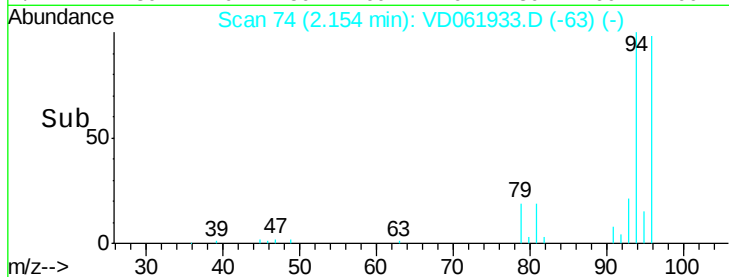
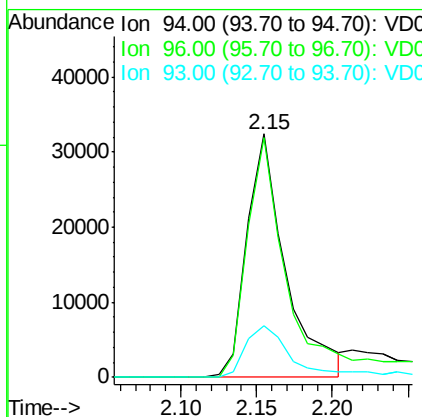
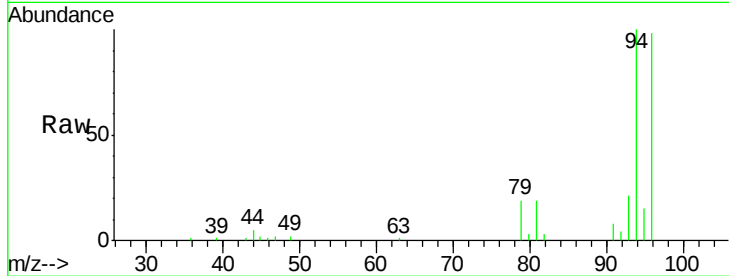
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	58145
Ion	Ratio	Lower	Upper
94	100		
96	98.3	76.6	115.0
93	21.0	18.5	27.7

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#6

Chloroethane

Concen: 50.488 ug/l

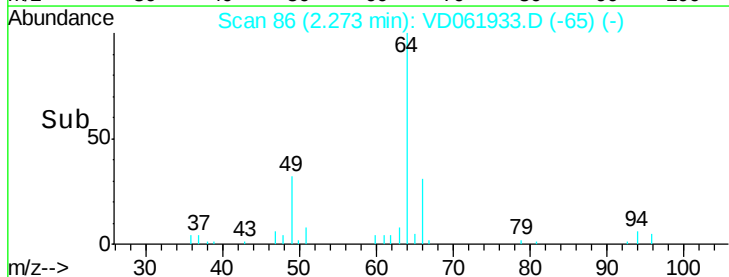
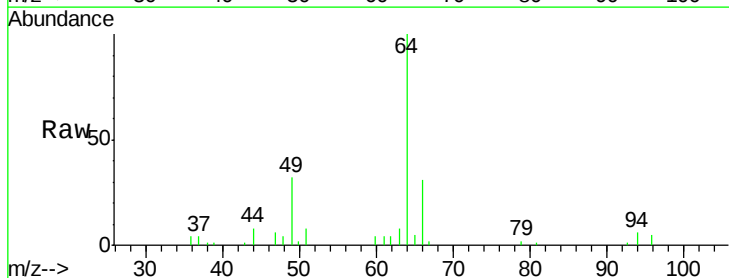
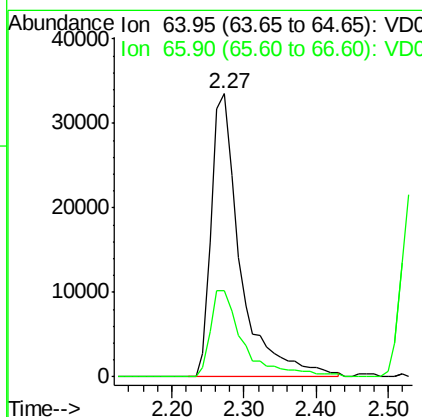
RT: 2.27 min Scan# 86

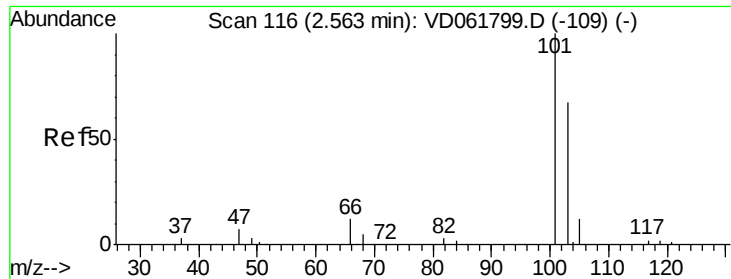
Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Tgt Ion:	64	Resp:	93628
Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.6	38.4





#7

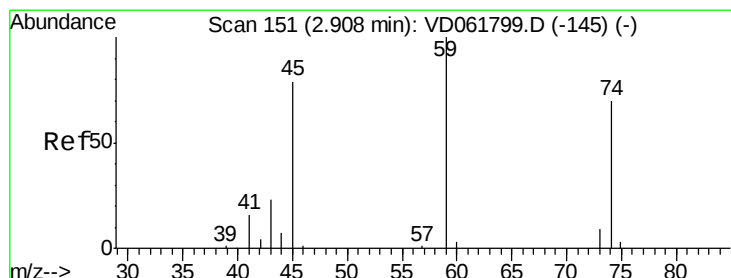
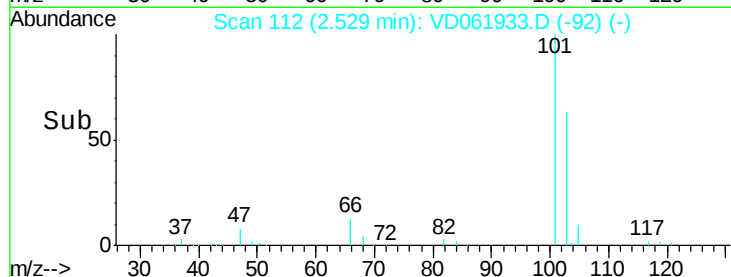
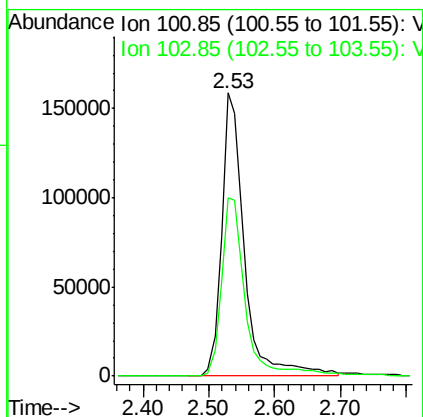
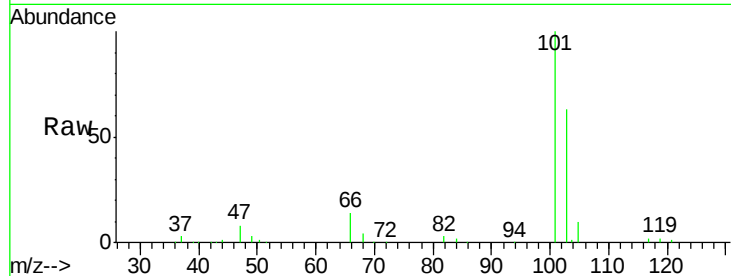
Trichlorofluoromethane
Concen: 43.302 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 381760
Ion Ratio Lower Upper
101 100
103 63.0 53.6 80.4

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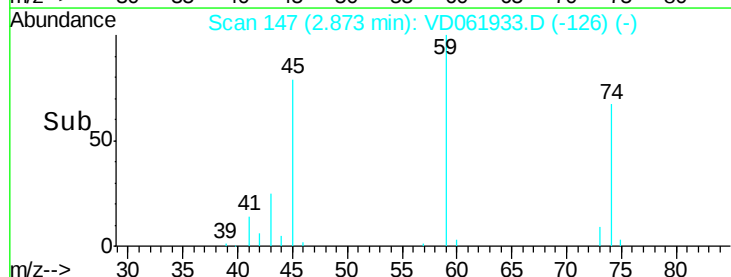
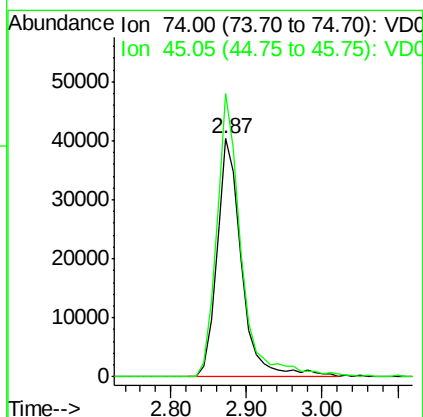
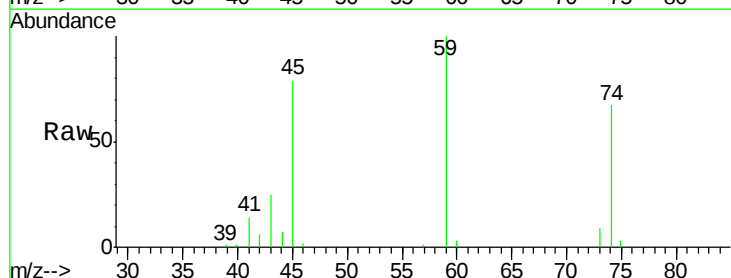
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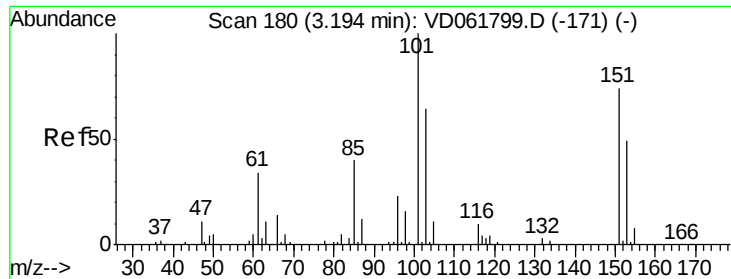


#8

Diethyl Ether
Concen: 39.580 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion: 74 Resp: 91450
Ion Ratio Lower Upper
74 100
45 118.8 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.912 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

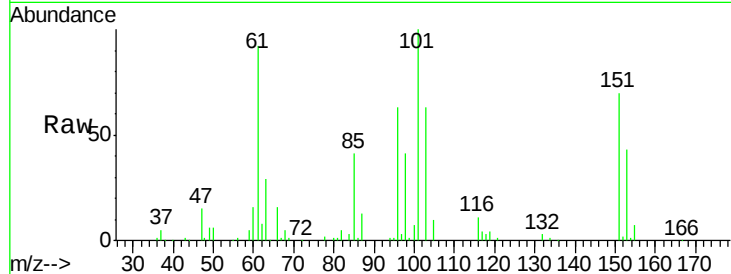
ClientSampleId :

VSTDCCC050

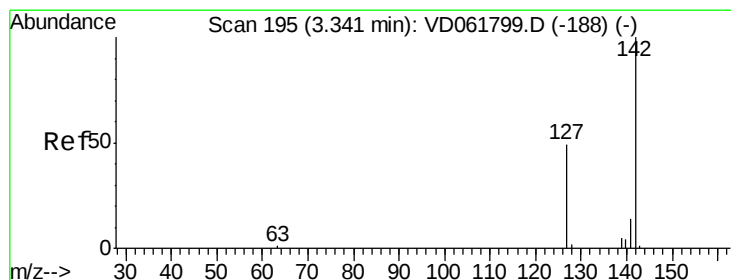
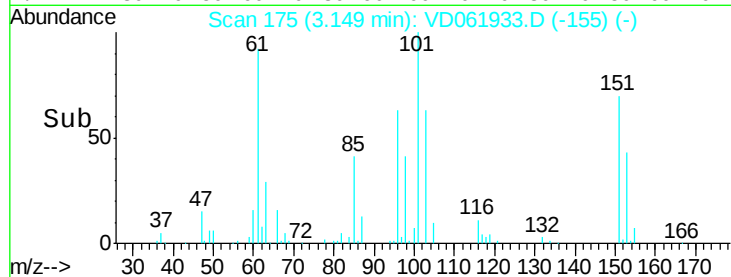
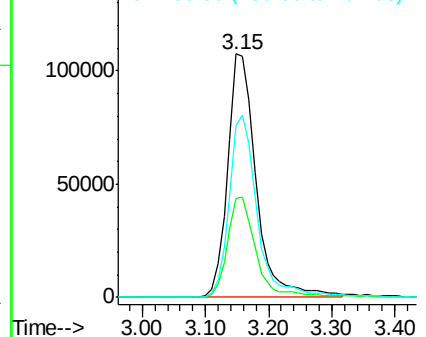
Tot Ion:	101	Resp:	337333
Ion Ratio	Lower	Upper	
101	100		
85	40.7	32.4	48.6
151	70.4	59.4	89.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 40.167 ug/l

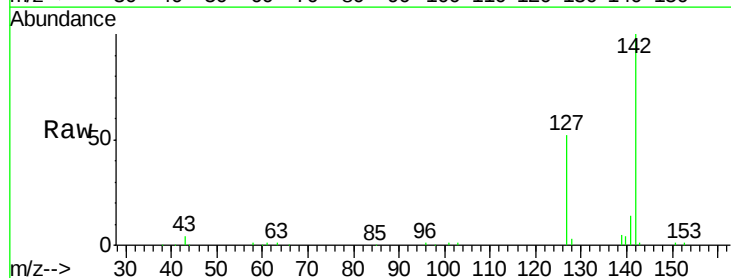
RT: 3.31 min Scan# 191

Delta R.T. -0.00 min

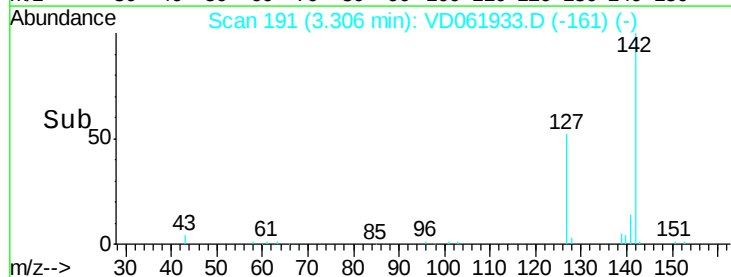
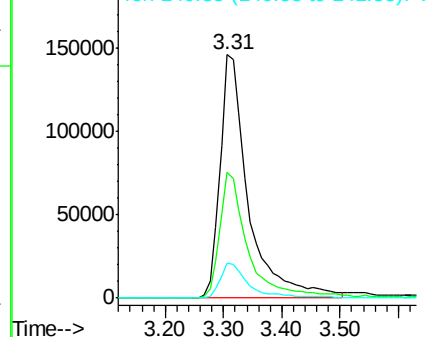
Lab File: VD061933.D

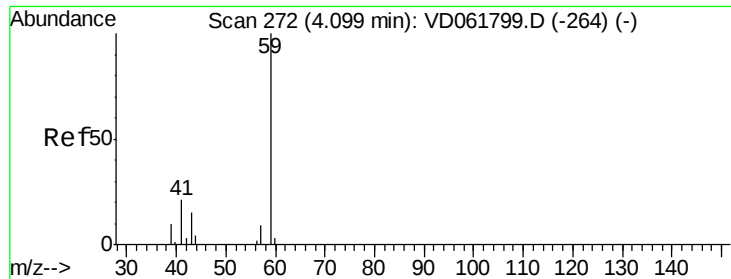
Acq: 22 Apr 2019 12:16

Tgt Ion:	142	Resp:	494758
Ion Ratio	Lower	Upper	
142	100		
127	51.9	38.8	58.2
141	14.3	11.4	17.0



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





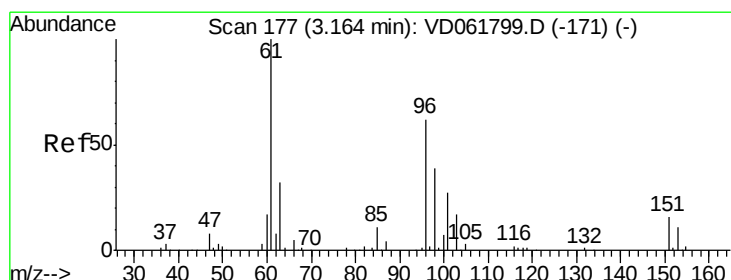
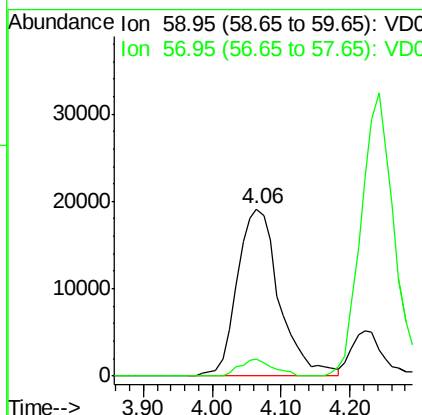
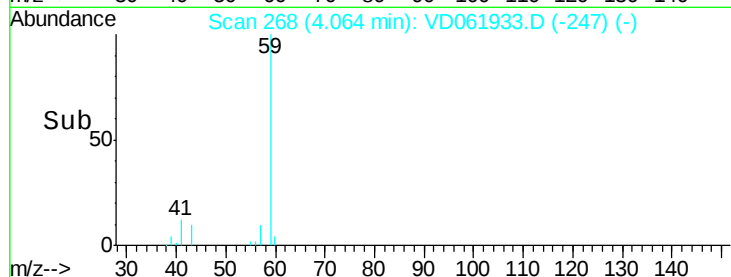
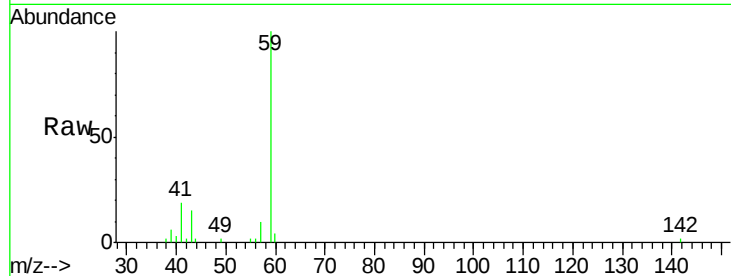
#11
Tert butyl alcohol
Concen: 232.838 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 81034
Ion Ratio Lower Upper
59 100
57 10.1 6.9 10.3

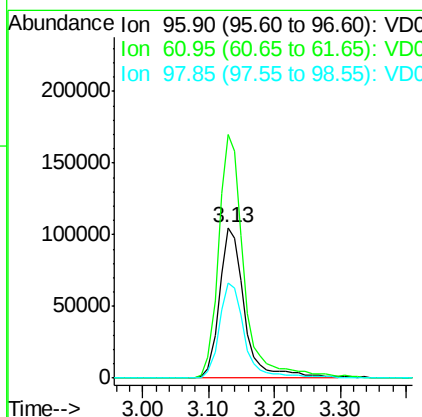
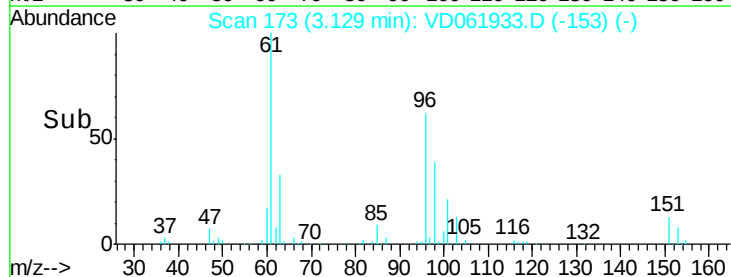
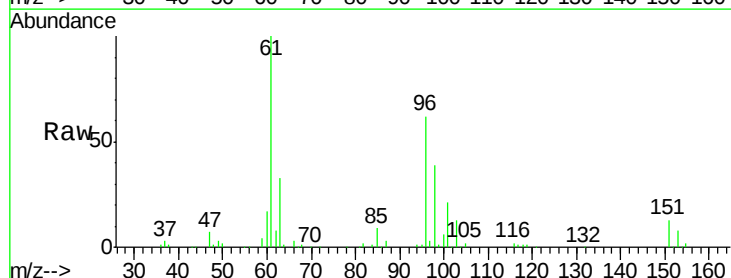
Manual Integrations
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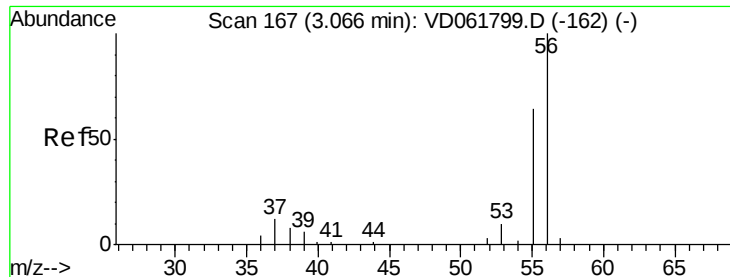
MMDadoda
4/23/2019 9:22:49 AM



#12
1,1-Dichloroethene
Concen: 42.376 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion: 96 Resp: 280055
Ion Ratio Lower Upper
96 100
61 161.9 129.8 194.8
98 62.9 51.2 76.8





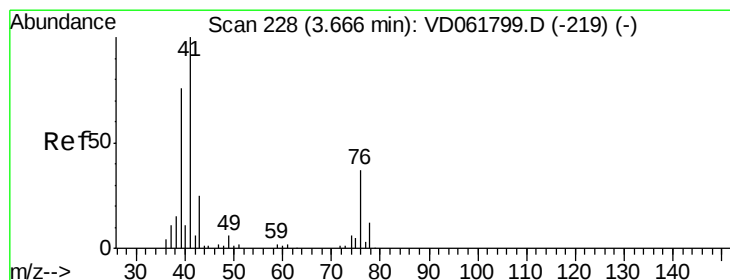
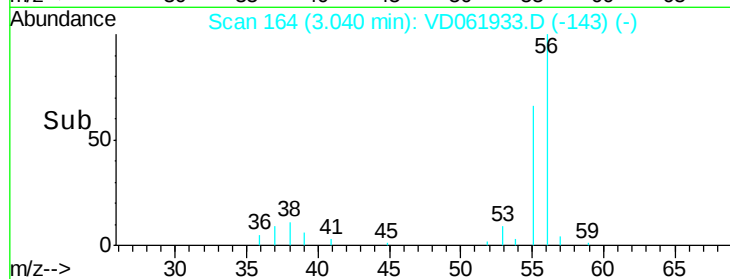
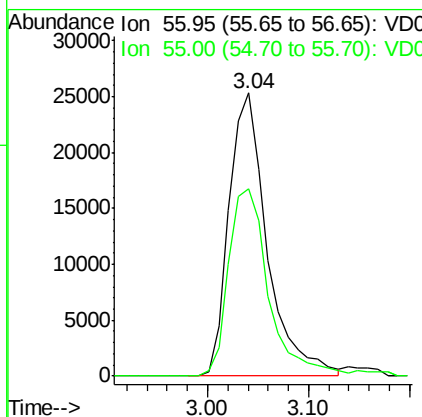
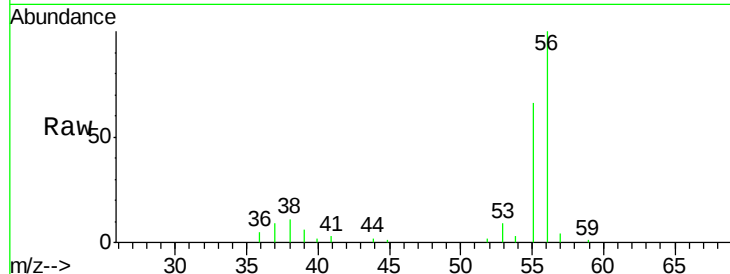
#13
Acrolein
Concen: 198.014 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
66715	100	66.2		51.4	77.2

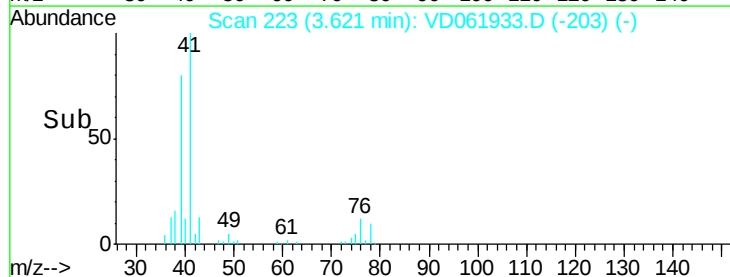
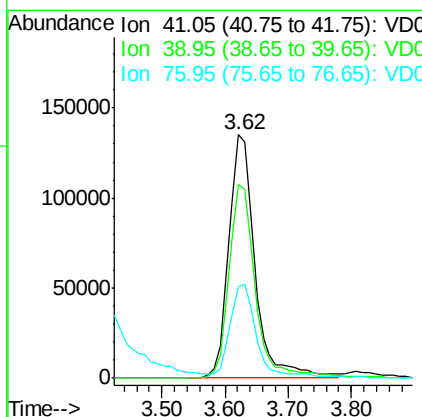
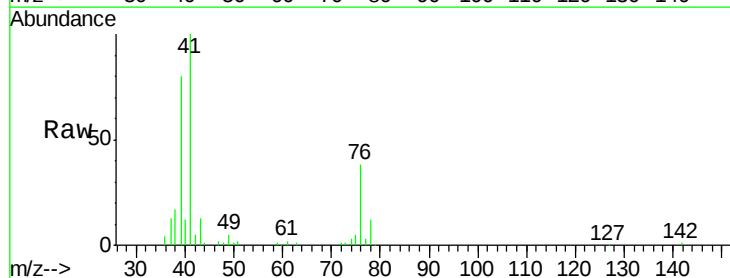
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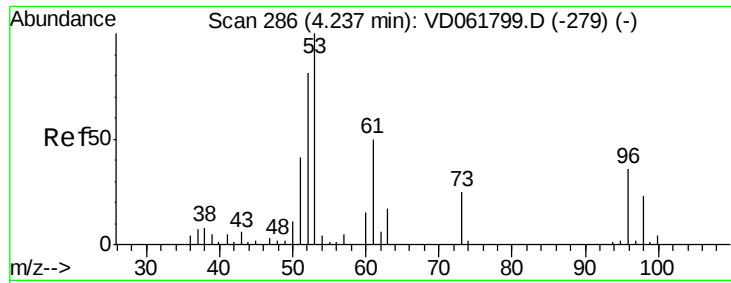
MMDadoda
4/23/2019 9:22:49 AM



#14
Allyl chloride
Concen: 43.126 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion	41	39	76	Ratio	Lower	Upper
388476	100	79.7	37.8		60.5	90.7
					31.8	47.8





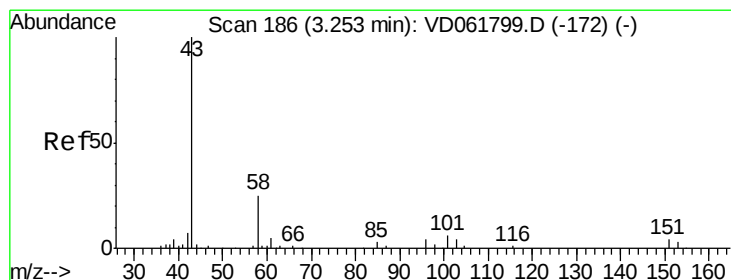
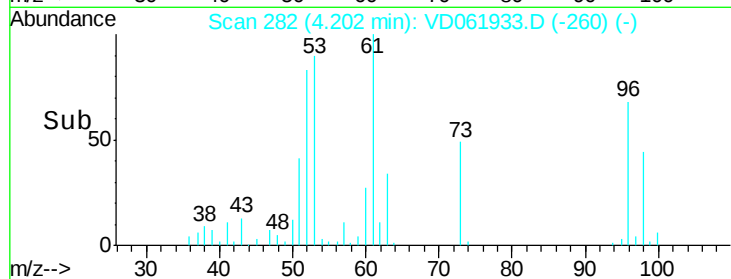
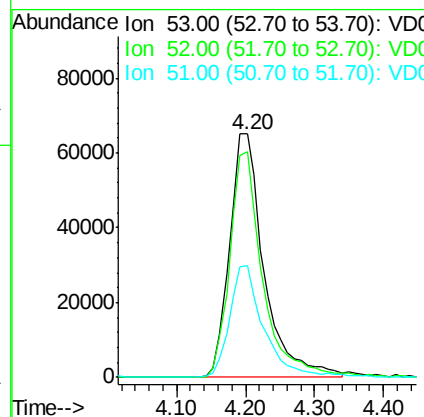
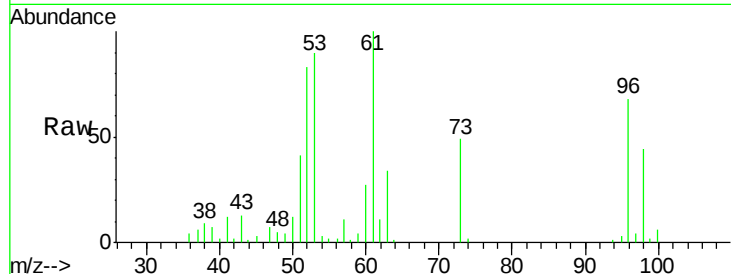
#15
 Acrylonitrile
 Concen: 206.420 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.02 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	92.5	65.0	97.4
51	45.8	32.6	48.8

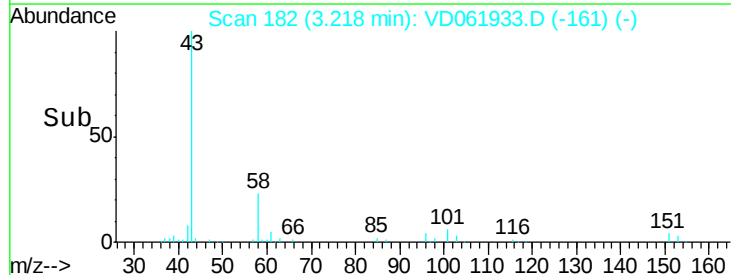
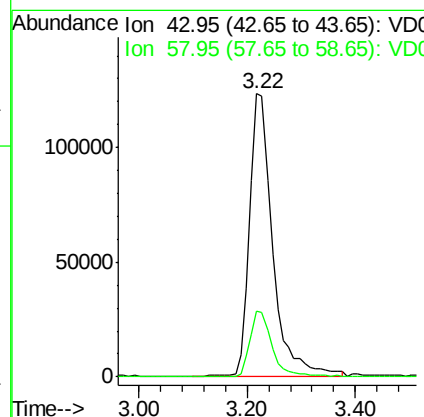
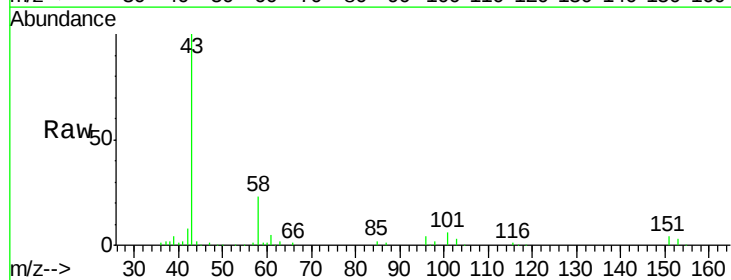
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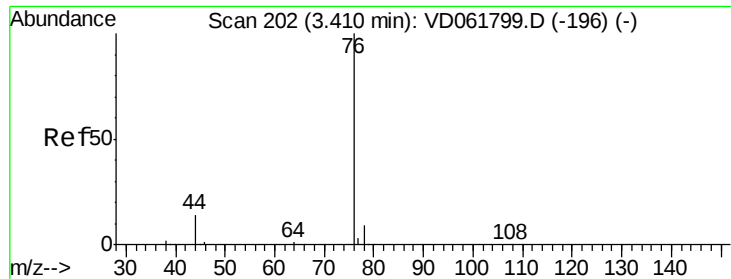
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#16
 Acetone
 Concen: 254.336 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	23.3	19.9	29.9





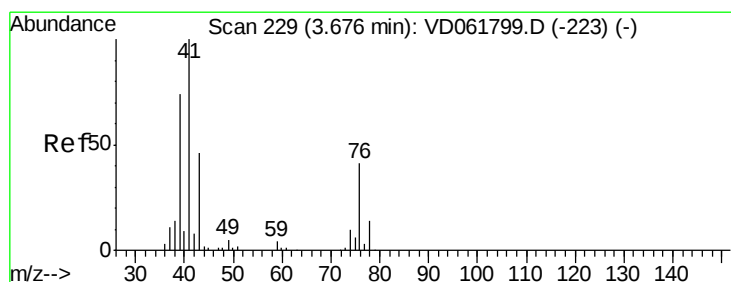
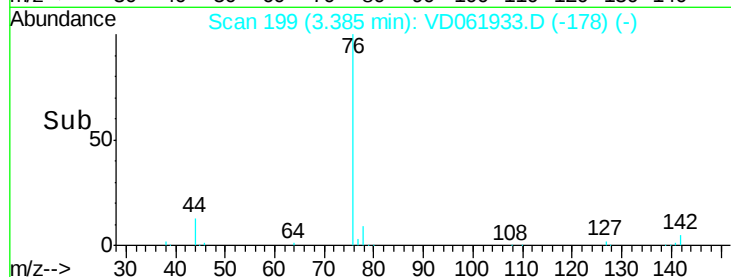
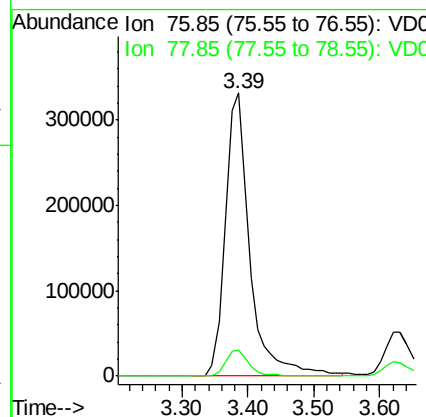
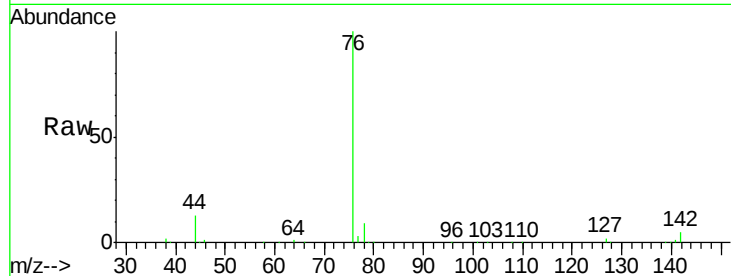
#17
Carbon Disulfide
Concen: 40.463 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

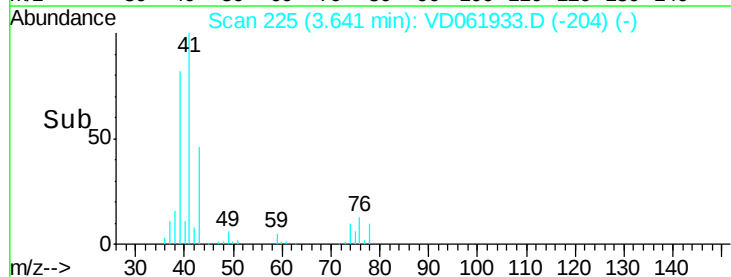
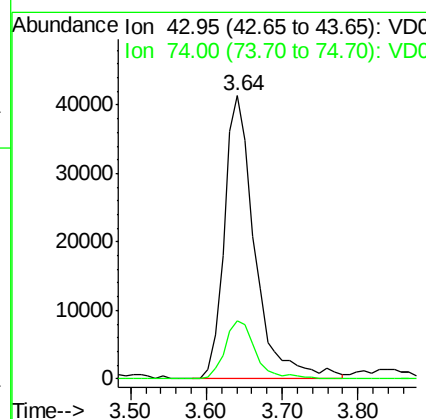
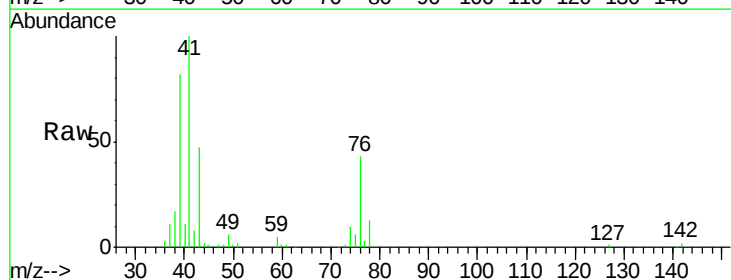
Manual Integrations
APPROVED

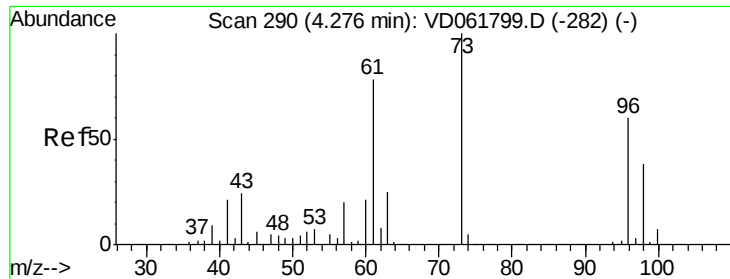
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#18
Methyl Acetate
Concen: 39.676 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	18.0	27.0





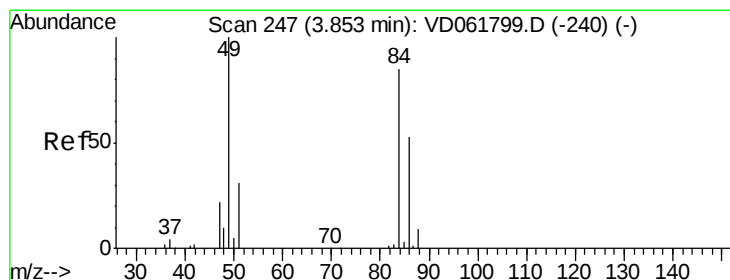
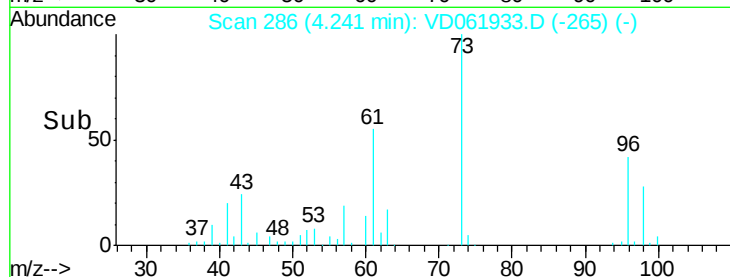
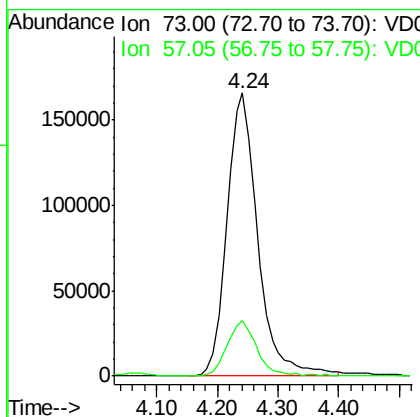
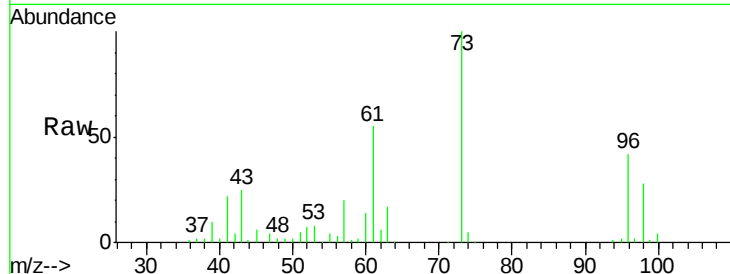
#19
Methvl tert-butvl Ether
Concen: 47.597 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 587024
Ion Ratio Lower Upper
73 100
57 19.5 16.3 24.5

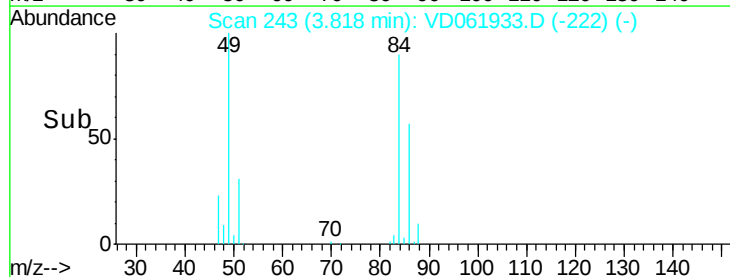
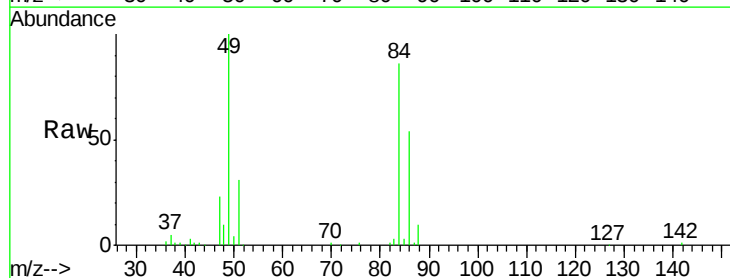
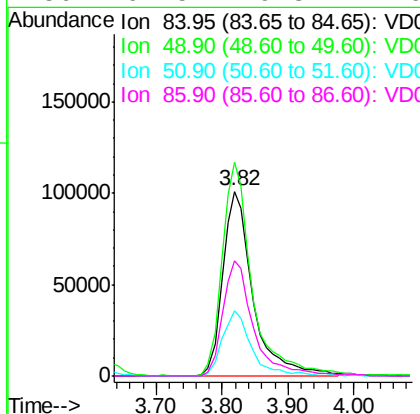
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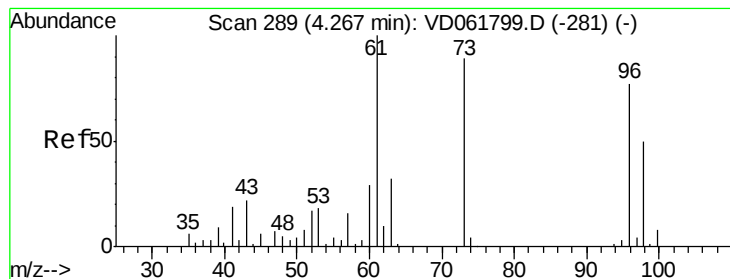
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#20
Methylene Chloride
Concen: 44.223 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion: 84 Resp: 323559
Ion Ratio Lower Upper
84 100
49 115.8 94.0 141.0
51 35.5 29.0 43.4
86 62.5 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 45.390 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

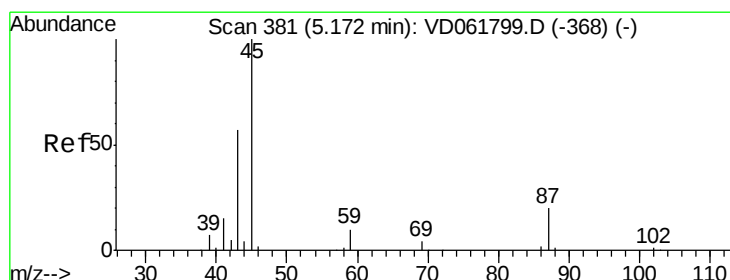
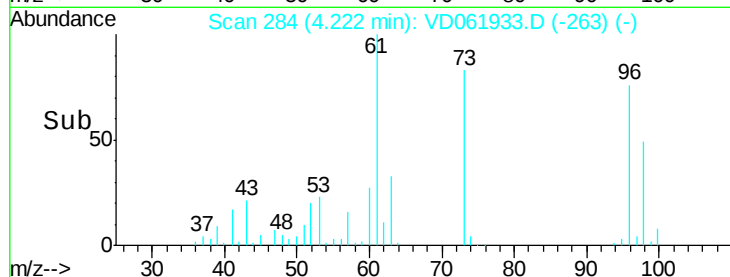
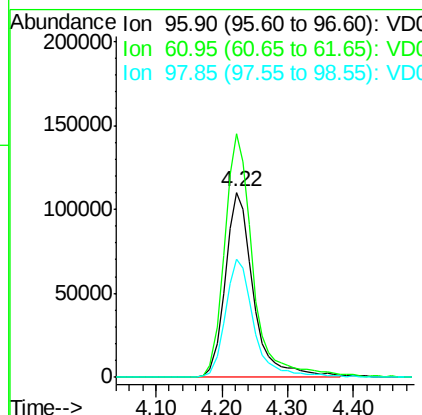
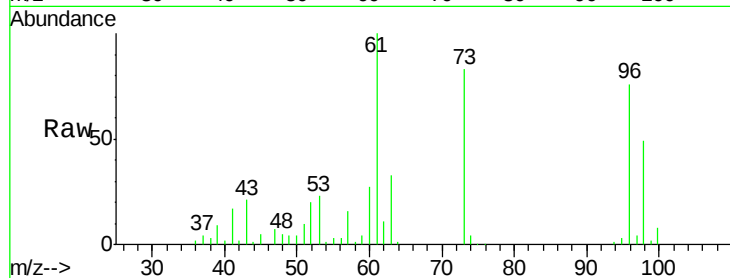
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	329665
Ion	Ratio	Lower	Upper
96	100		
61	131.8	104.4	156.6
98	64.3	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.384 ug/l

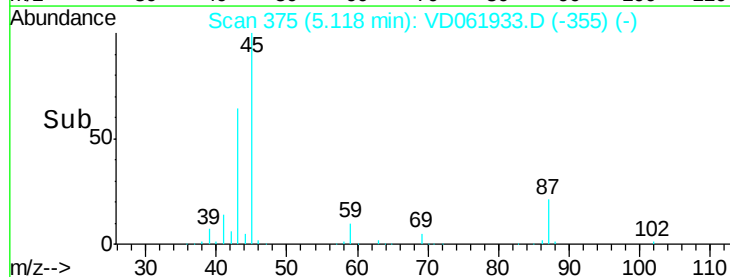
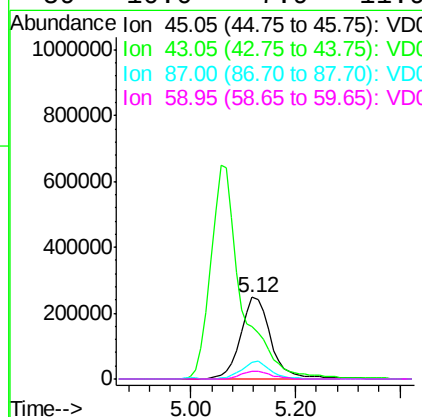
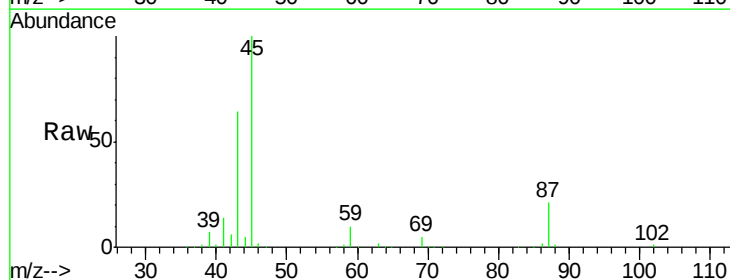
RT: 5.12 min Scan# 375

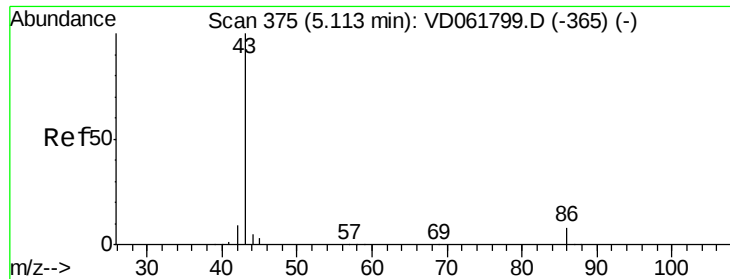
Delta R.T. -0.00 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Tgt Ion:	45	Resp:	970159
Ion	Ratio	Lower	Upper
45	100		
43	64.0	46.2	69.2
87	20.7	15.9	23.9
59	10.0	7.9	11.9





#23

Vinyl Acetate

Concen: 252.469 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2598743

Ion Ratio Lower Upper

43 100

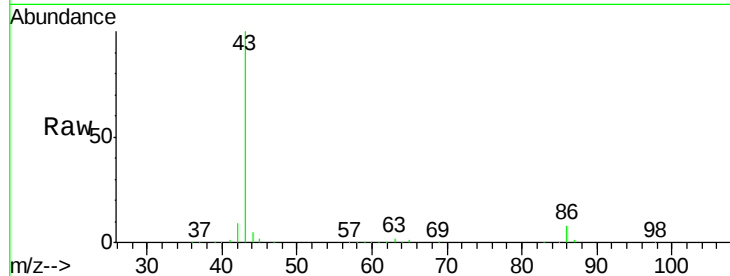
86 7.8 6.4 9.6

Manual Integrations

APPROVED

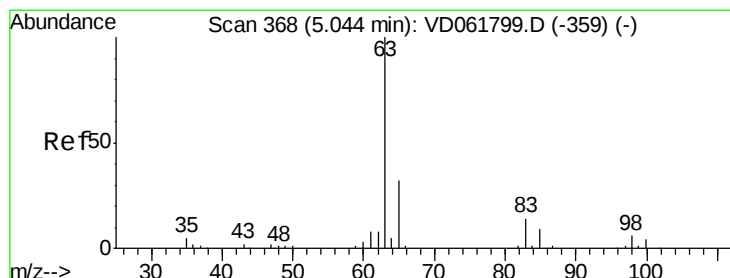
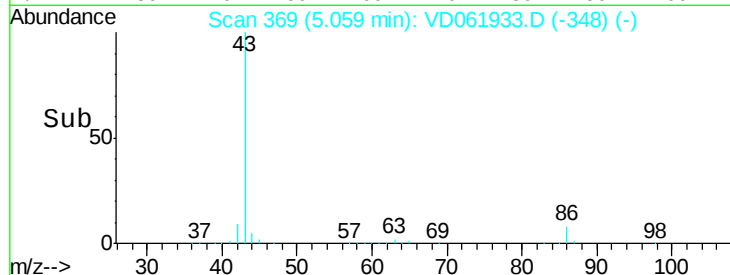
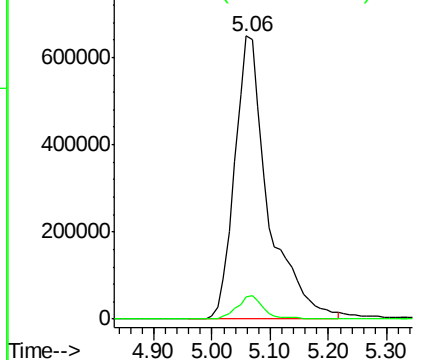
MMDadoda

4/23/2019 9:22:49 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.368 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

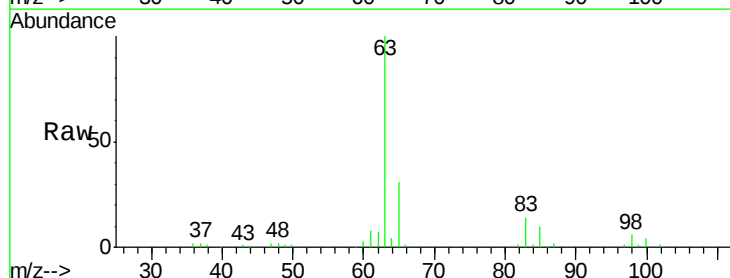
Tgt Ion: 63 Resp: 576351

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.4

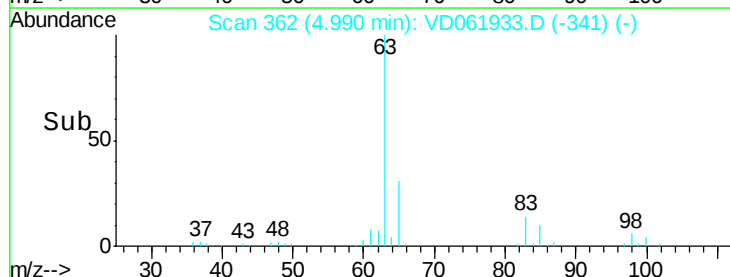
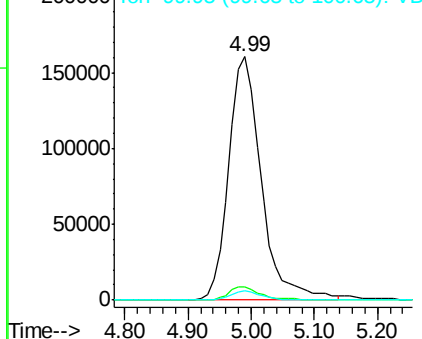
100 3.7 1.8 5.5

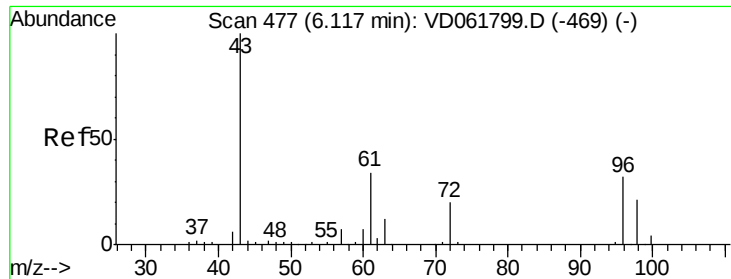


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 248.105 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 410841

Ion Ratio Lower Upper

43 100

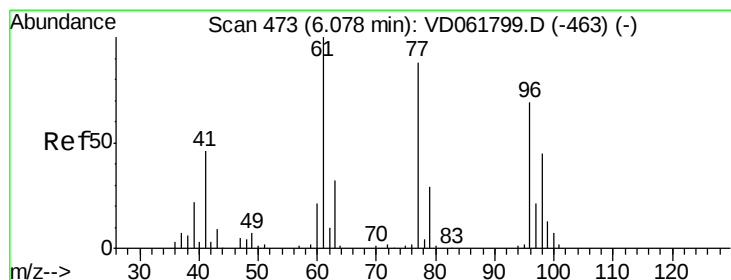
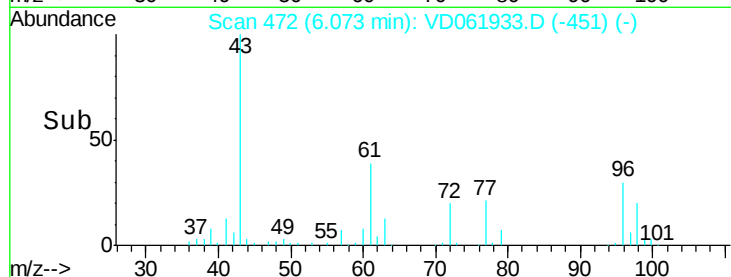
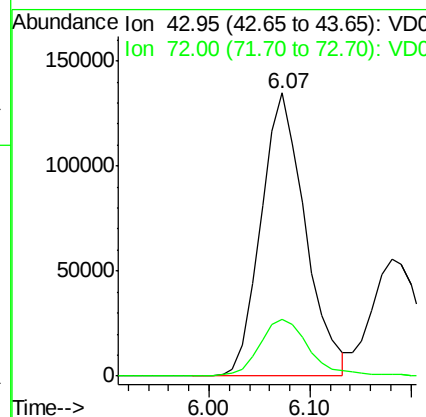
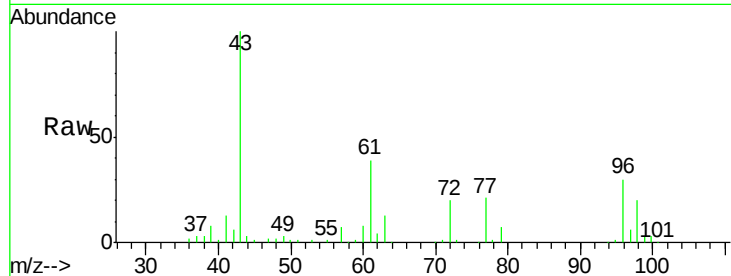
72 20.1 16.2 24.4

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#26

2,2-Dichloropropane

Concen: 50.834 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.02 min

Lab File: VD061933.D

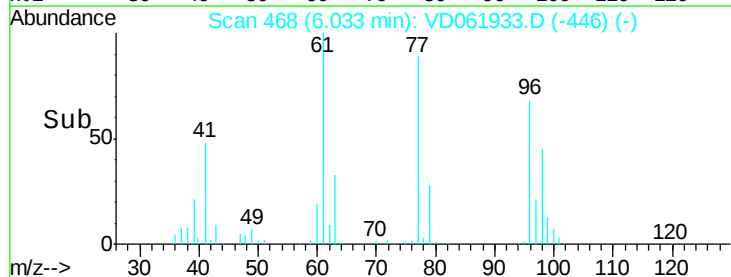
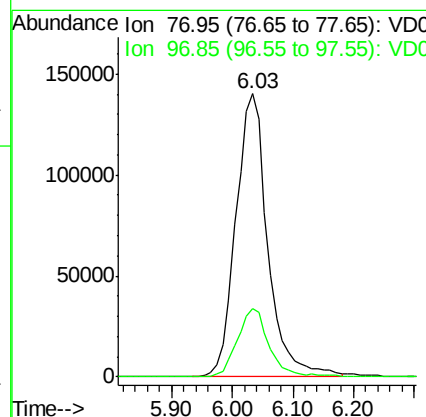
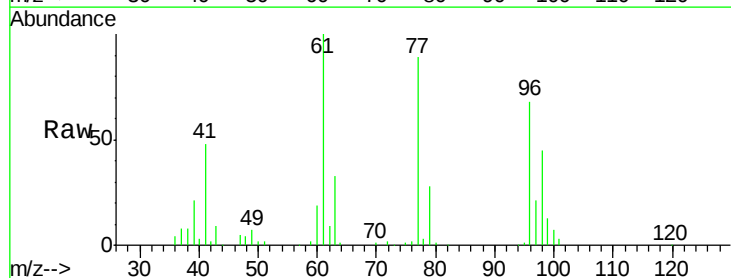
Acq: 22 Apr 2019 12:16

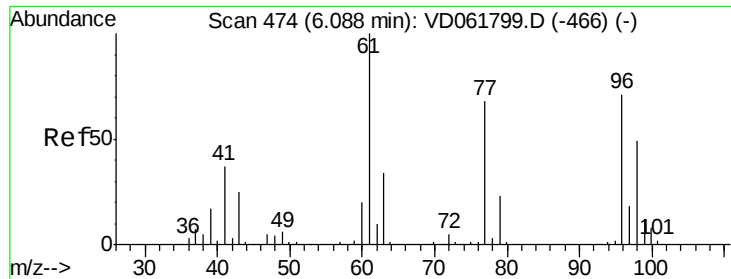
Tgt Ion: 77 Resp: 512965

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.9





#27

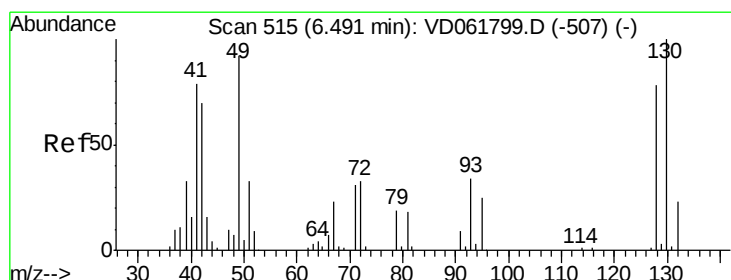
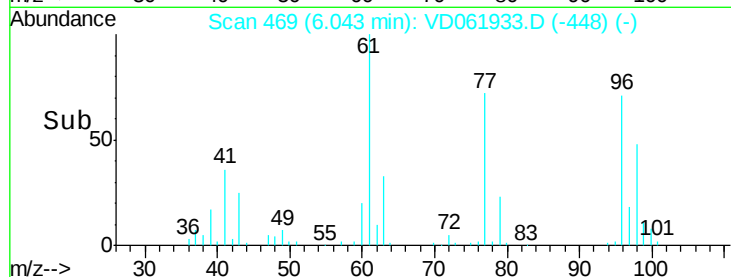
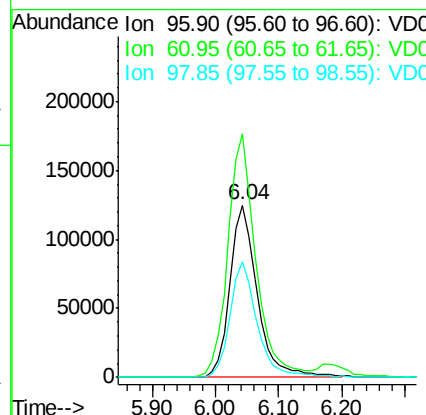
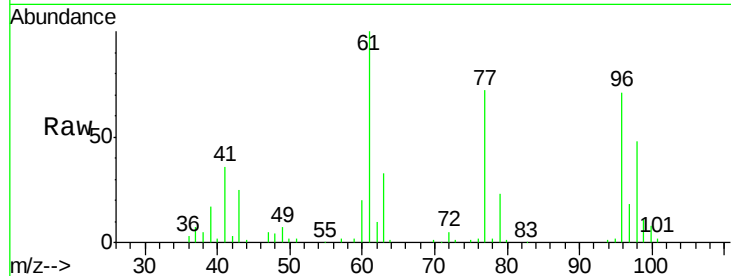
cis-1,2-Dichloroethene
Concen: 47.739 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	375865		
61	141.3	0.0	279.8	
98	67.2	0.0	136.0	

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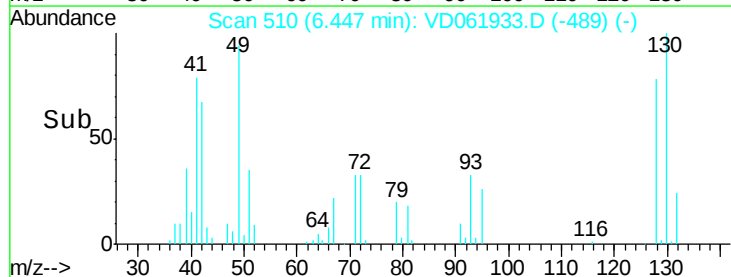
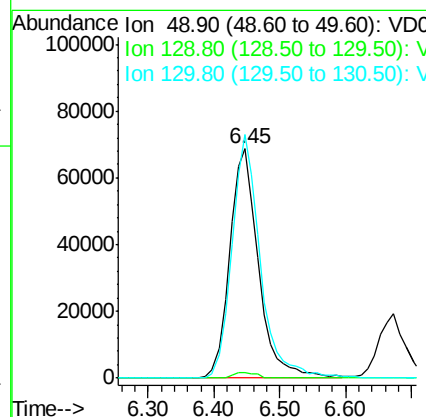
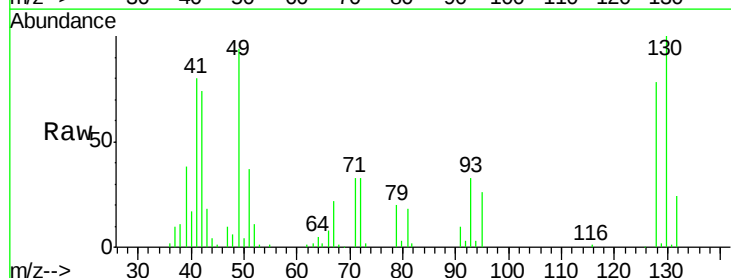
MMDadoda
4/23/2019 9:22:49 AM

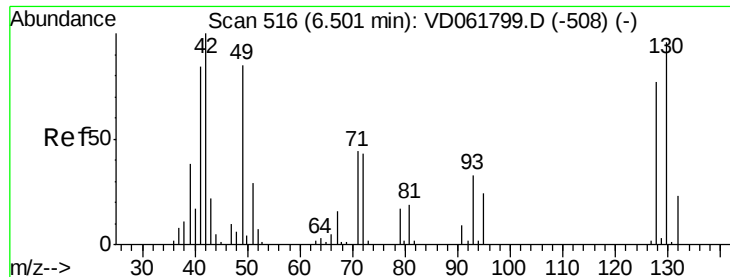


#28

Bromochloromethane
Concen: 47.255 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	209551		
129	2.5	0.0	6.6	
130	106.3	86.7	130.1	





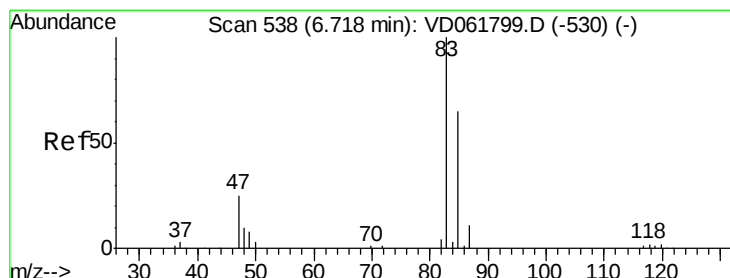
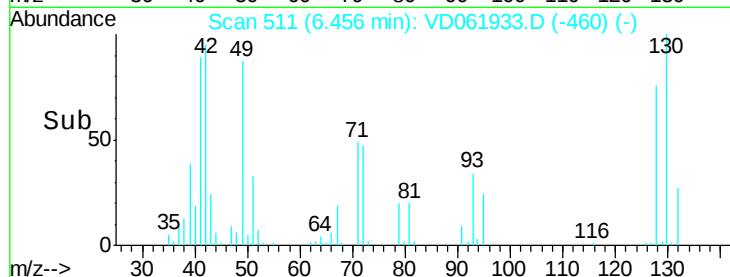
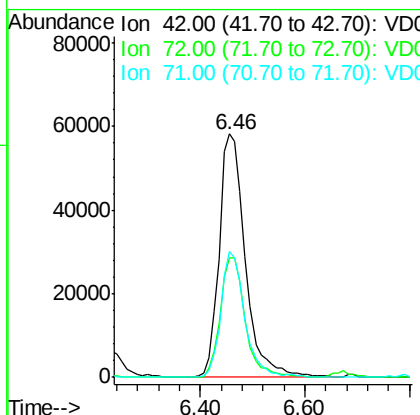
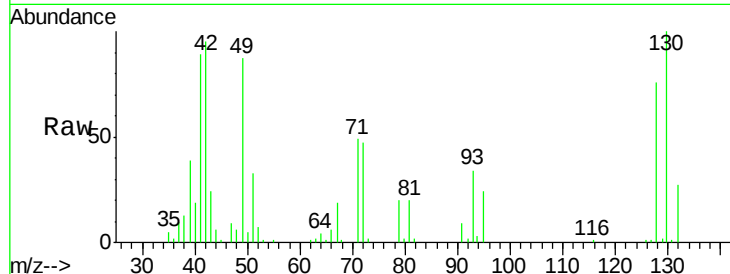
#29
Tetrahydrofuran
Concen: 249.401 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	47.2	36.7	55.1

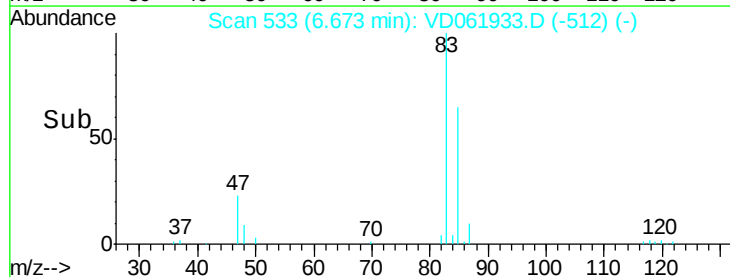
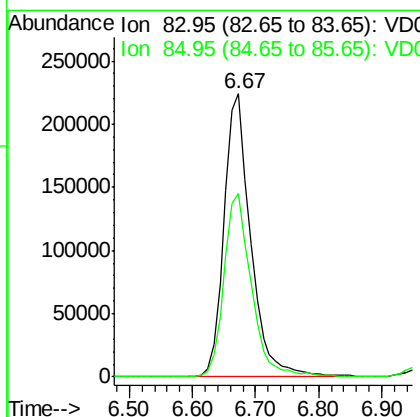
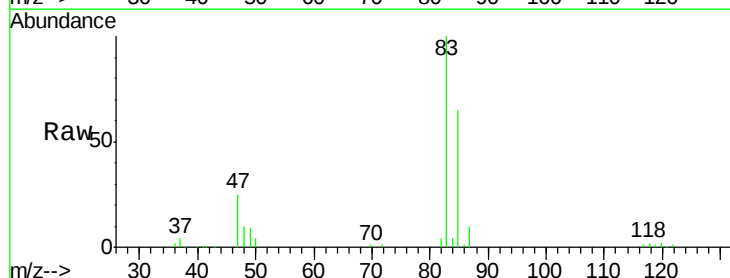
Manual Integrations
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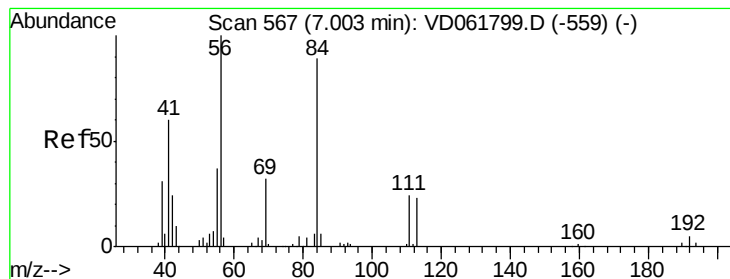
MMDadoda
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#30
Chloroform
Concen: 50.375 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5





#31

Cvclohexane

Concen: 46.666 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

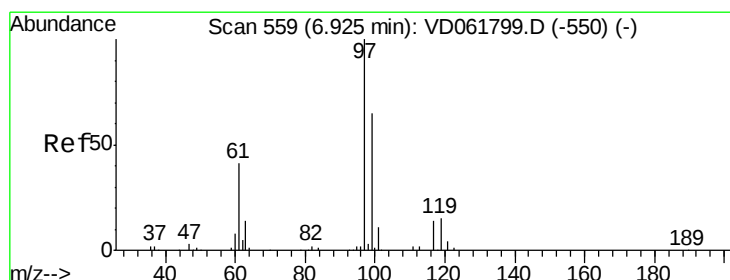
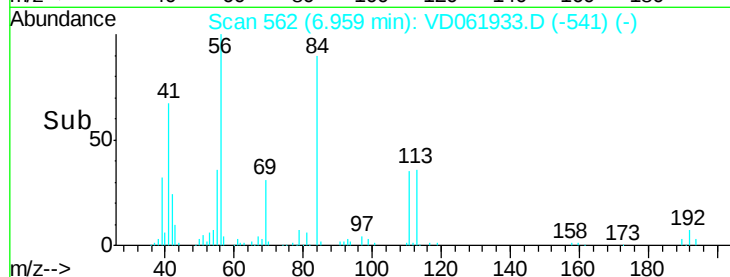
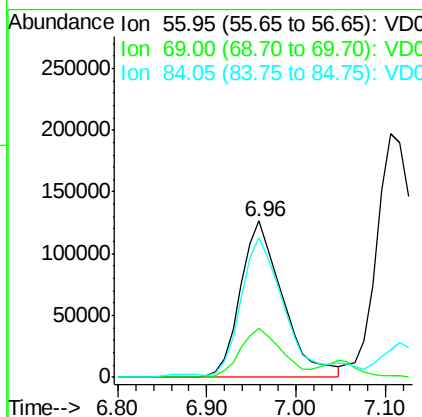
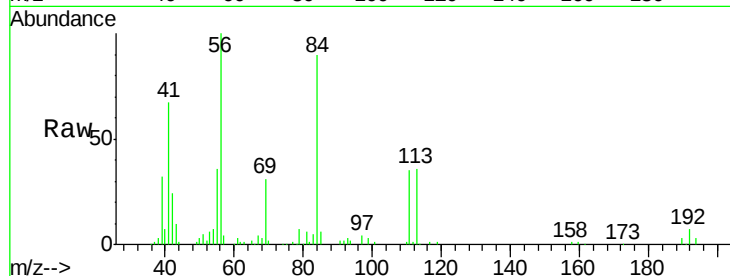
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	417064
Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.8	38.6
84	90.1	72.2	108.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 51.873 ug/l

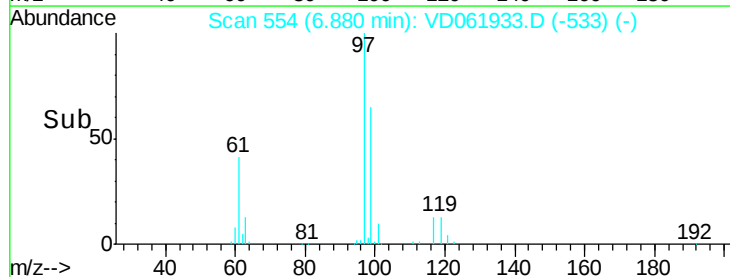
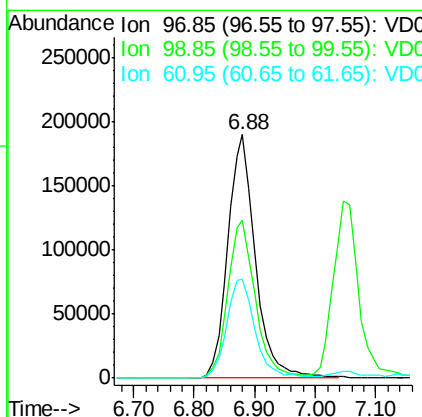
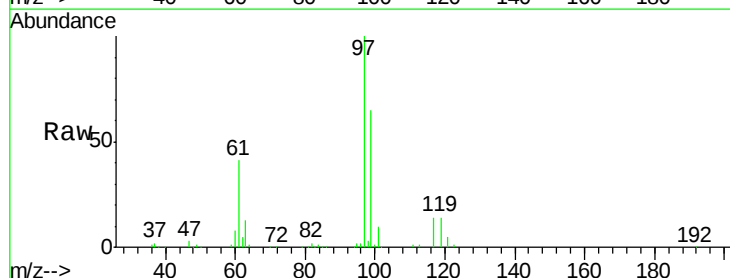
RT: 6.88 min Scan# 554

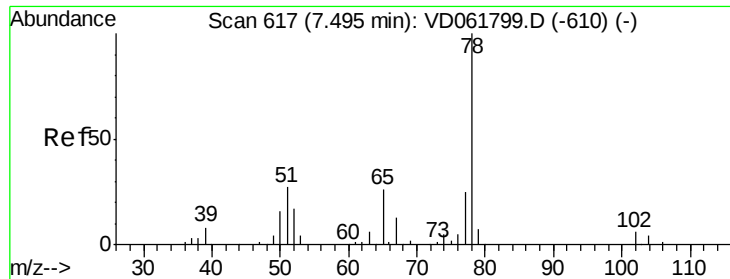
Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Tgt Ion:	97	Resp:	598772
Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.2	78.2
61	40.5	32.4	48.6





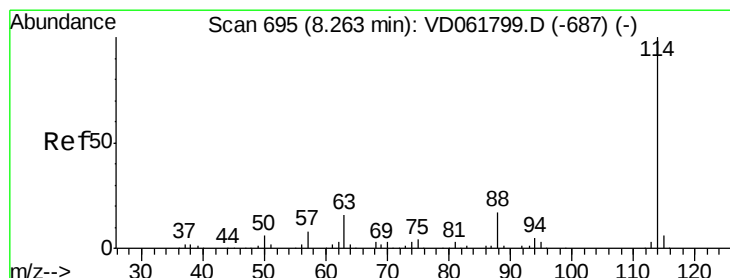
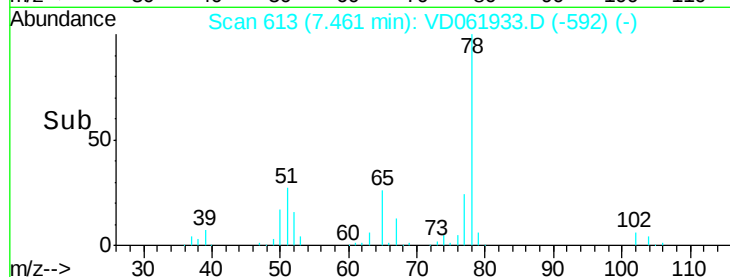
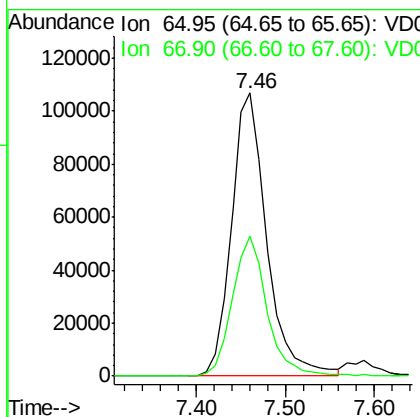
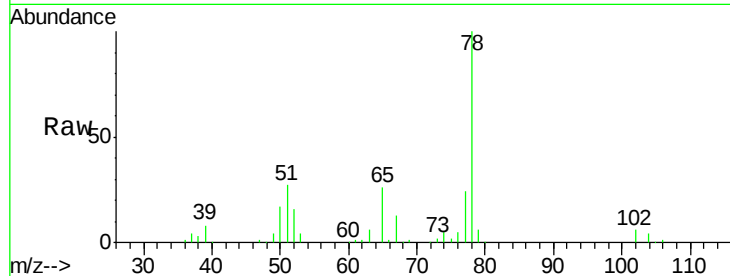
#33
 1,2-Dichloroethane-d4
 Concen: 51.873 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 294112
 Ion Ratio Lower Upper
 65 100
 67 49.5 0.0 98.0

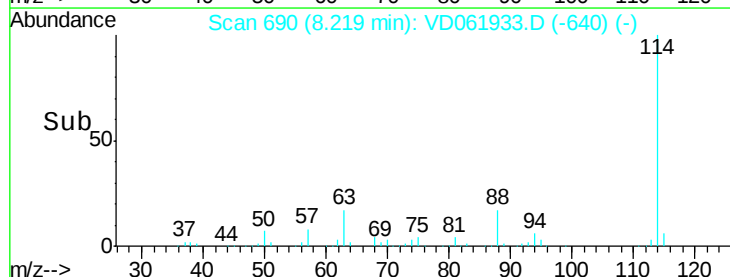
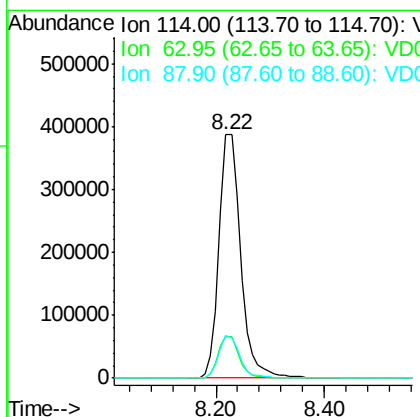
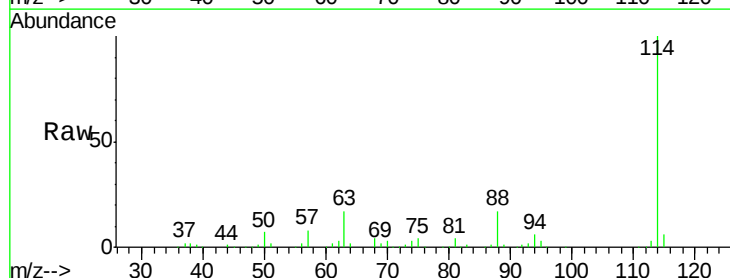
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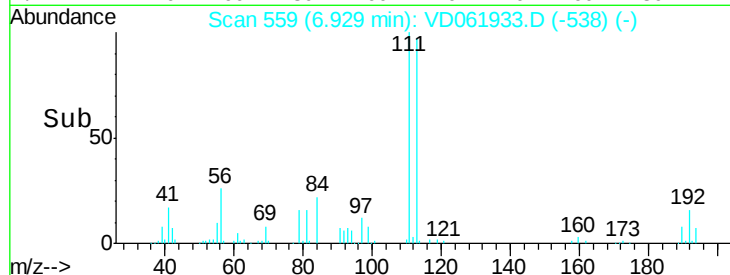
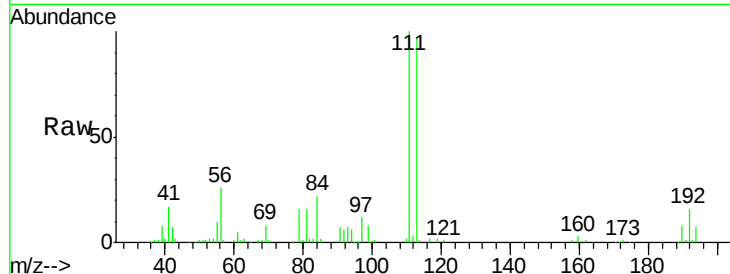
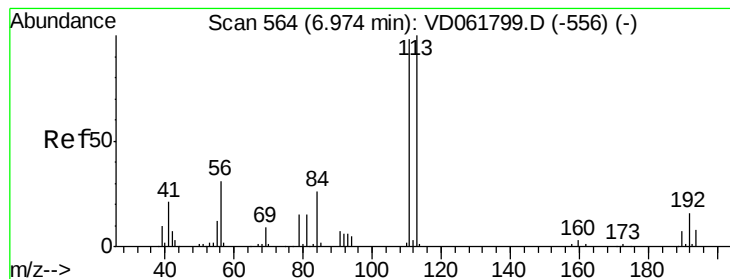
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Tgt Ion: 114 Resp: 1074572
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 32.4
 88 17.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Tot Ion:	113	Resp:	422876
Ion Ratio	Lower	Upper	
113	100		
111	103.5	78.5	117.7
192	16.3	13.0	19.4

Instrument :

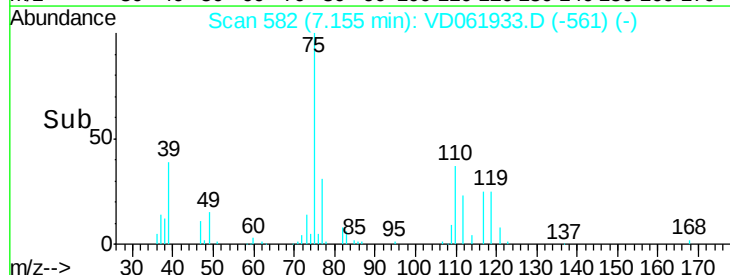
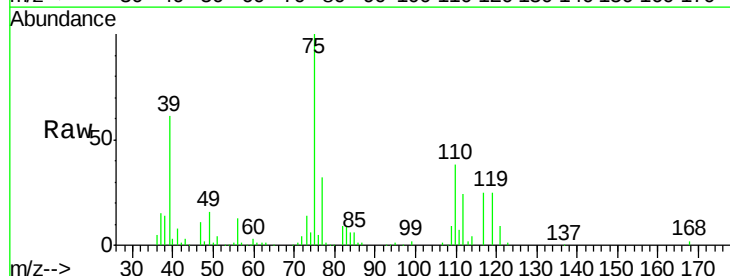
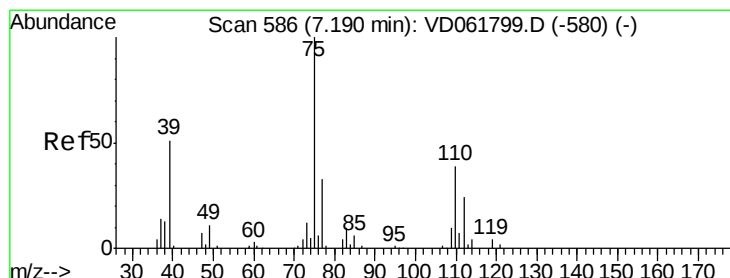
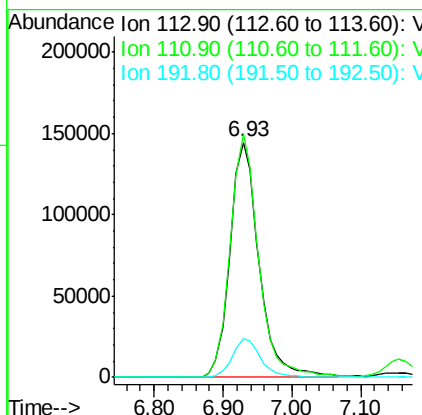
MSVOA_D

ClientSampleId :

VSTDCCC050

Manual Integrations
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4/23/2019 9:22:49 AM



#36

1,1-Dichloropropene

Concen: 52.538 ug/l

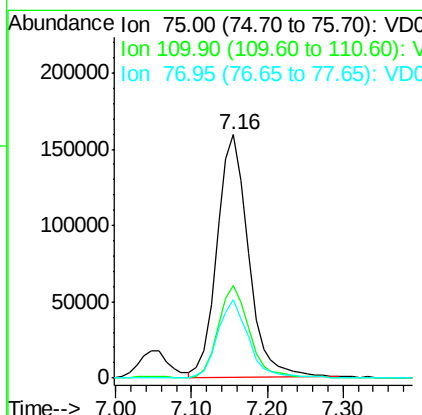
RT: 7.16 min Scan# 582

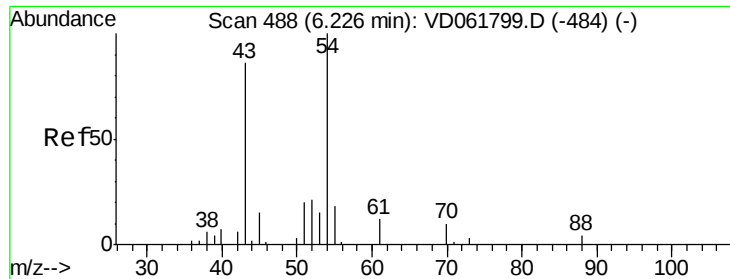
Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Tgt Ion:	75	Resp:	461340
Ion Ratio	Lower	Upper	
75	100		
110	38.2	19.1	57.1
77	32.2	25.6	38.4





#37

Ethyl Acetate

Concen: 50.992 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

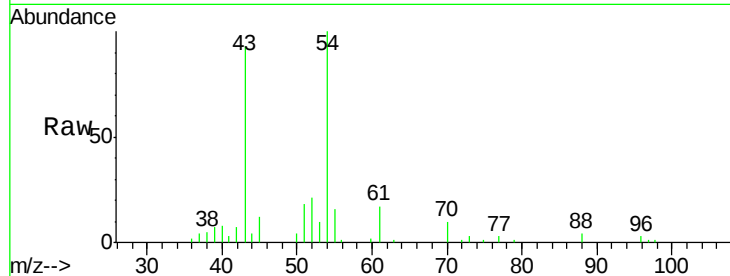
ClientSampleId :

VSTDCCC050

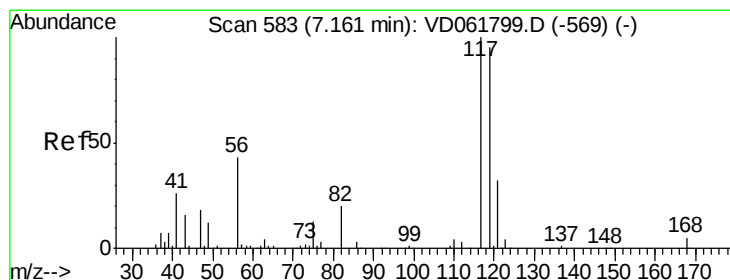
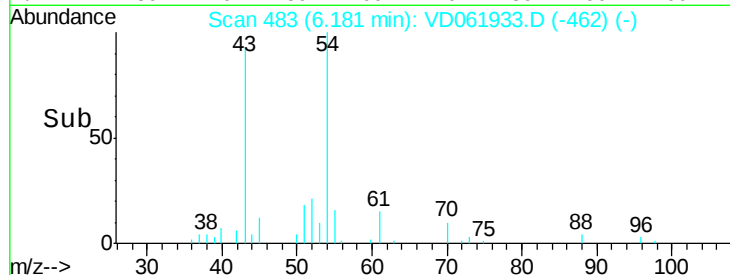
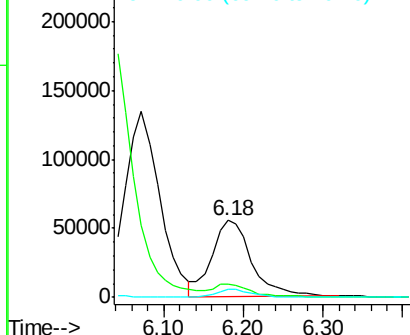
Tot Ion:	43	Resp:	191639
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.7	22.1
70	10.3	7.8	11.6

Manual Integrations
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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 53.636 ug/l m

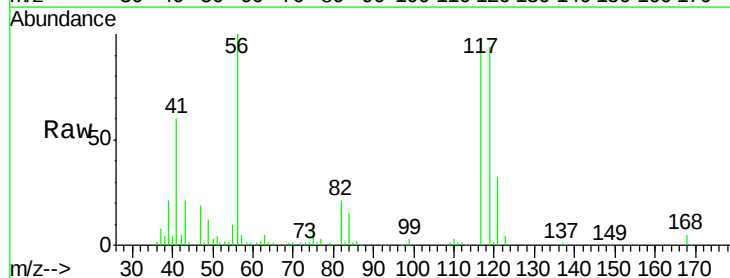
RT: 7.12 min Scan# 578

Delta R.T. 0.01 min

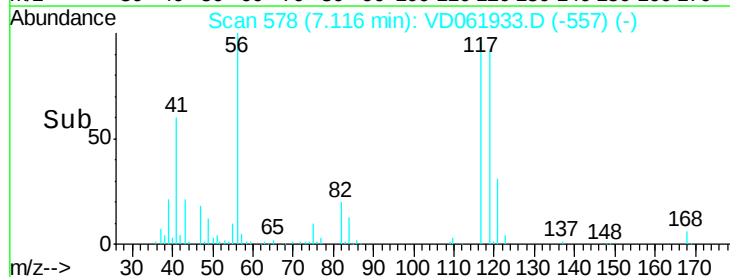
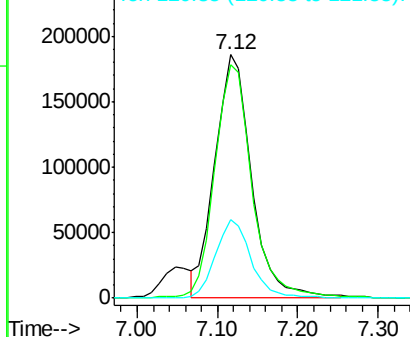
Lab File: VD061933.D

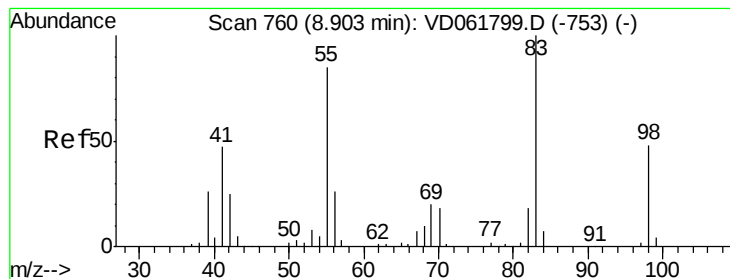
Acq: 22 Apr 2019 12:16

Tgt Ion:	117	Resp:	594706
Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.8	113.8
121	32.2	25.9	38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 54.245 ug/l

RT: 8.87 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 494630

Ion Ratio Lower Upper

83 100

55 87.8 68.2 102.4

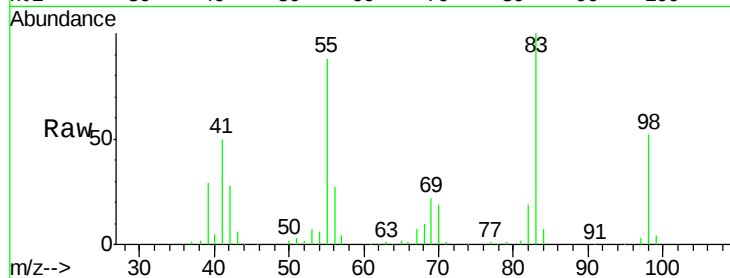
98 51.9 38.2 57.4

Manual Integrations

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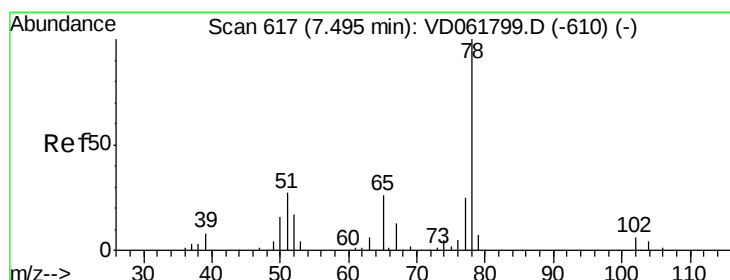
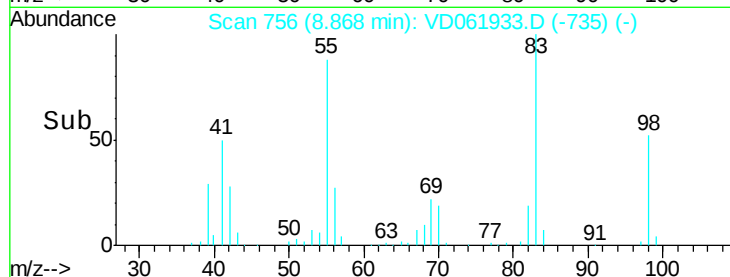
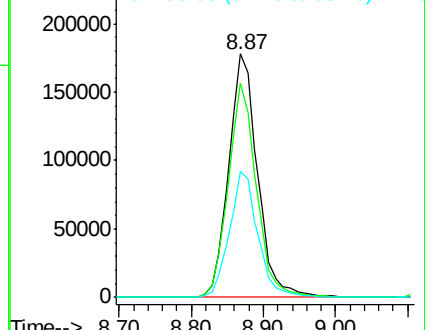
4/23/2019 9:22:49 AM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 53.167 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061933.D

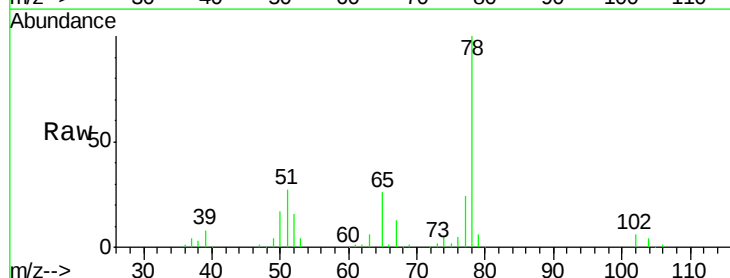
Acq: 22 Apr 2019 12:16

Tgt Ion: 78 Resp: 1120820

Ion Ratio Lower Upper

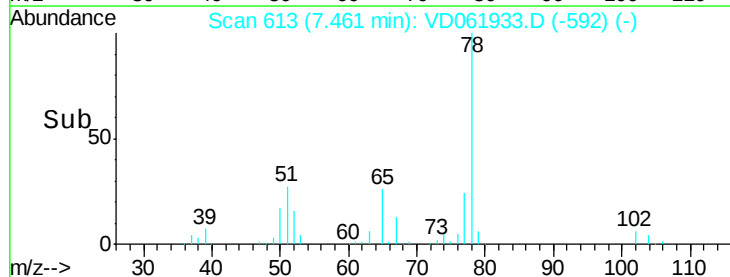
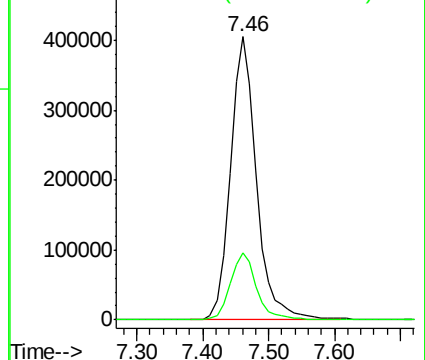
78 100

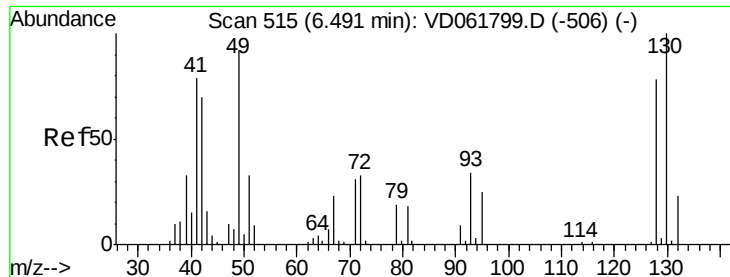
77 23.9 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





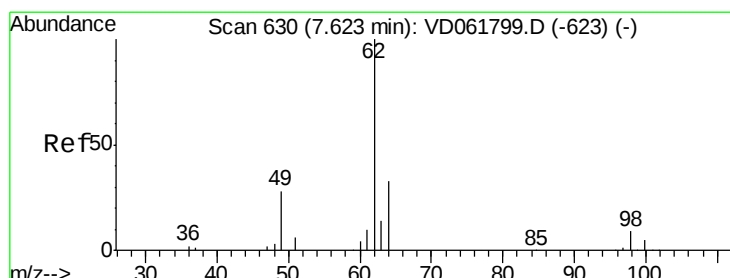
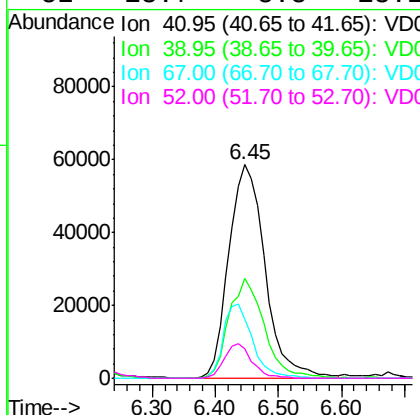
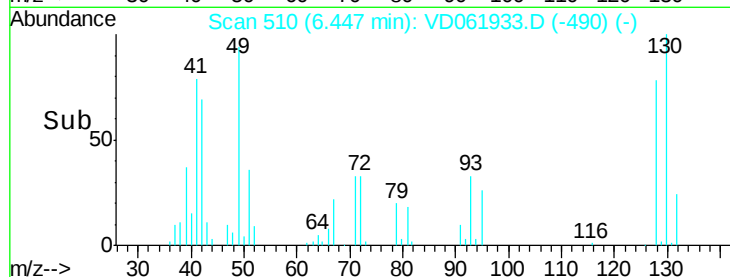
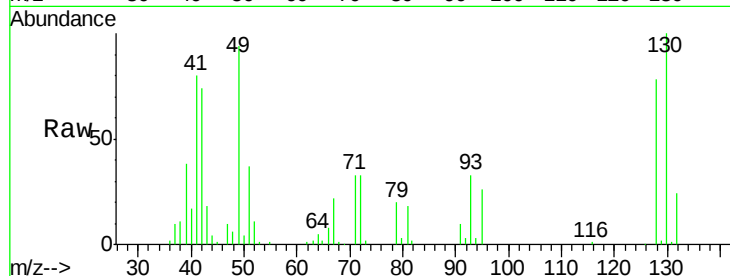
#41
Methacrylonitrile
Concen: 52.612 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.7	34.1	51.1
67	27.8	23.8	35.6
52	13.7	8.8	13.2#

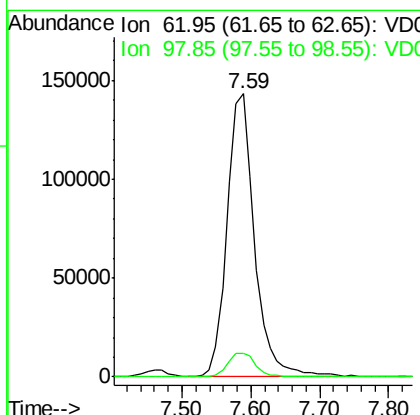
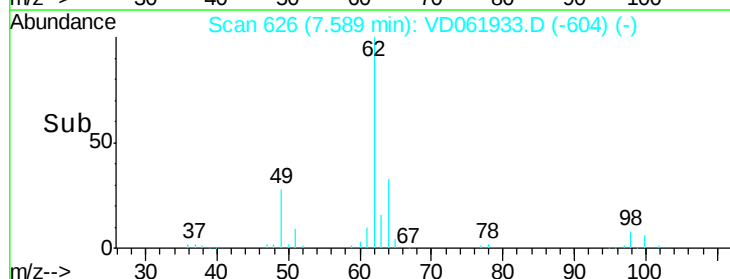
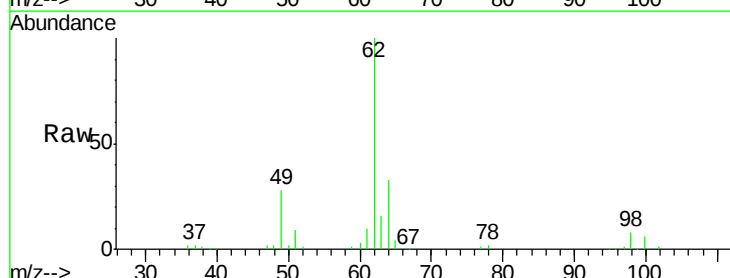
Manual Integrations
APPROVED

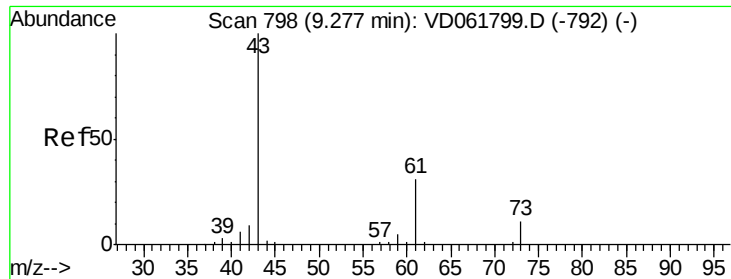
MMDadoda
4/23/2019 9:22:49 AM



#42
1,2-Dichloroethane
Concen: 53.514 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.02 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.8





#43

Isopropyl Acetate

Concen: 53.308 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

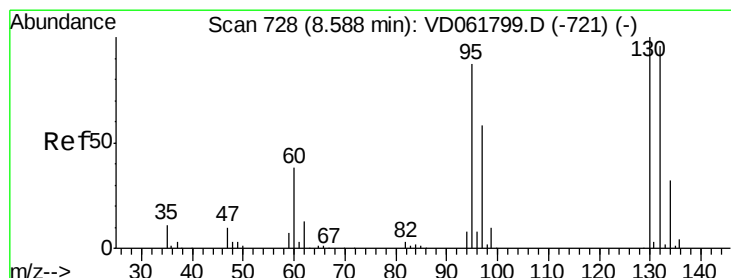
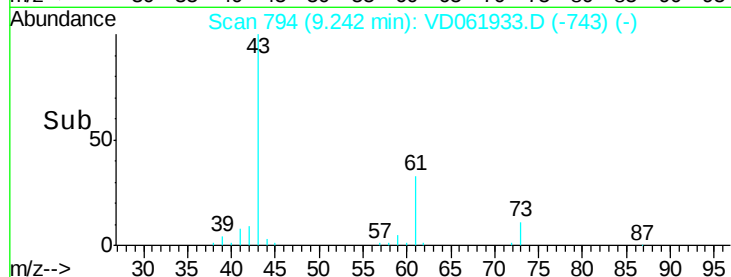
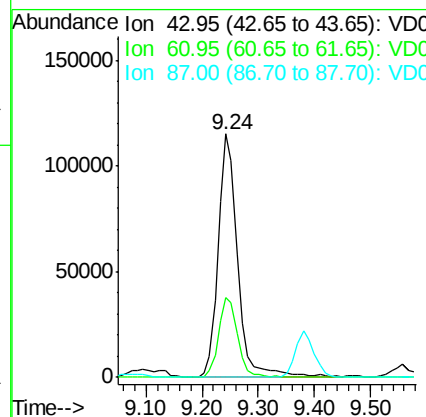
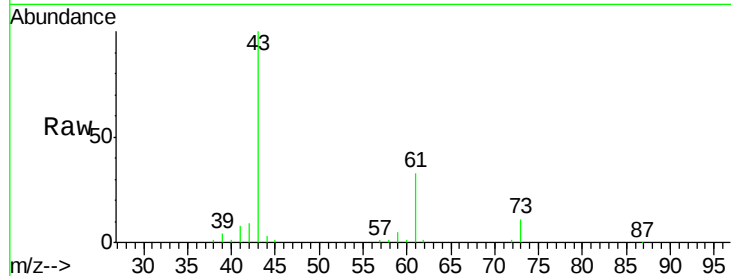
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	281926
Ion	Ratio	Lower	Upper
43	100		
61	32.9	25.1	37.7
87	0.4	0.0	0.0

Manual Integrations
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MMDadoda
4/23/2019 9:22:49 AM



#44

Trichloroethene

Concen: 51.416 ug/l

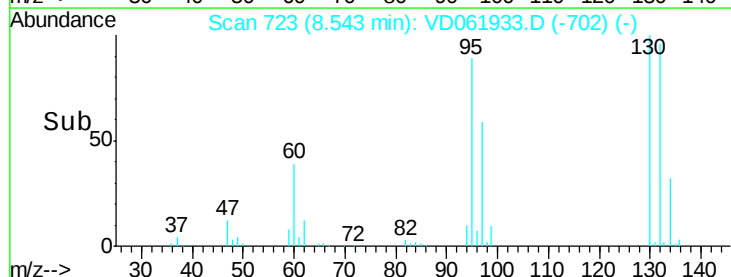
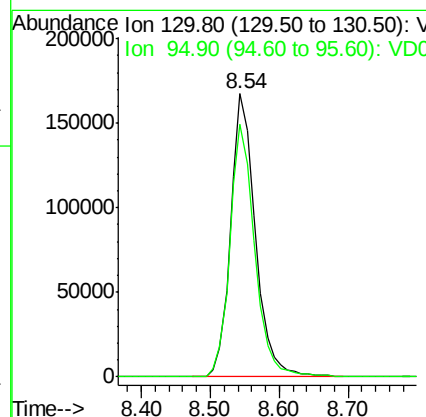
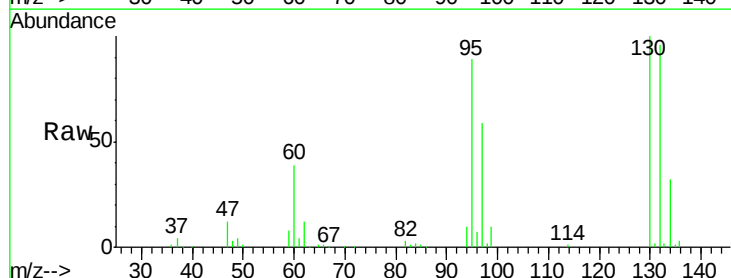
RT: 8.54 min Scan# 723

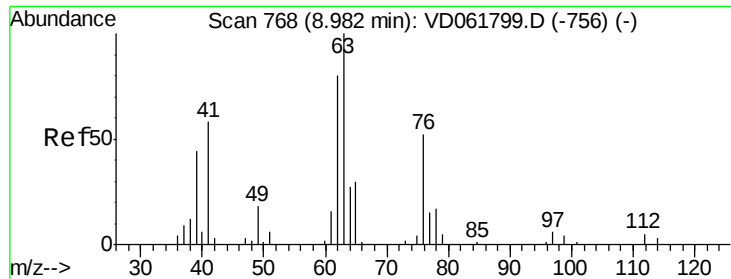
Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Tgt Ion:	130	Resp:	417266
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	174.0





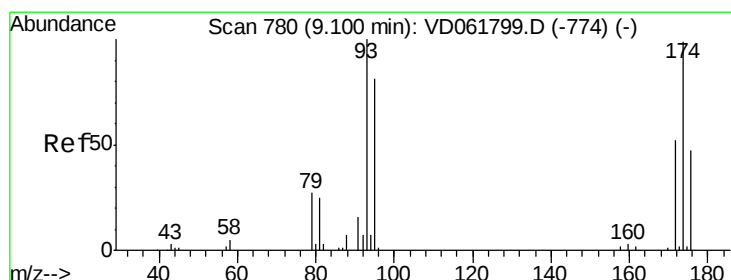
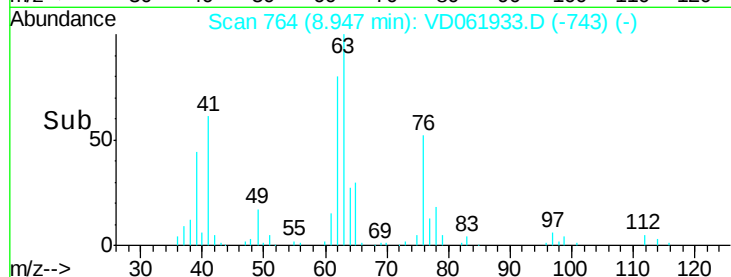
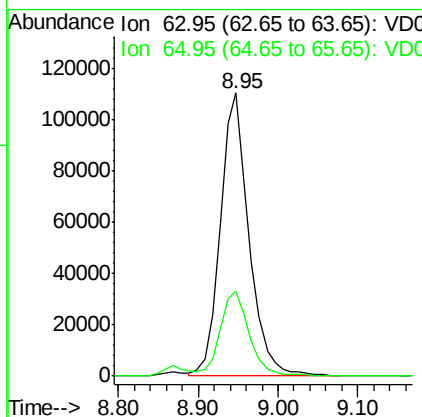
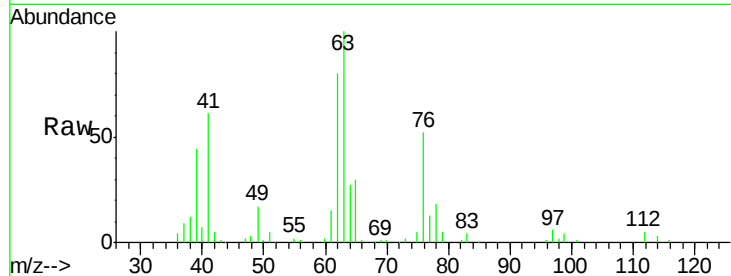
#45
 1,2-Dichloropropane
 Concen: 50.685 ug/l
 RT: 8.95 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 278317
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.8 35.6

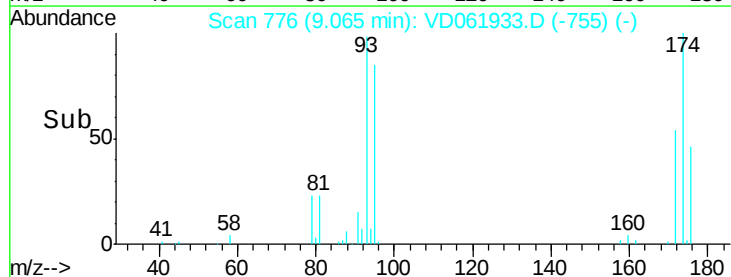
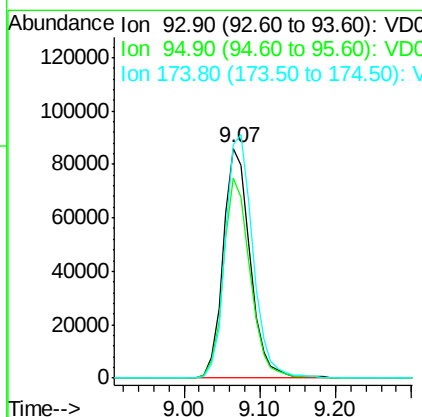
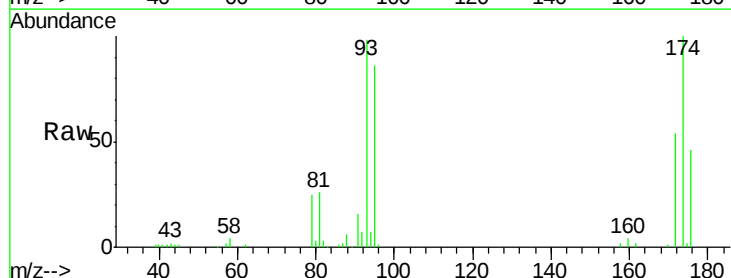
Manual Integrations
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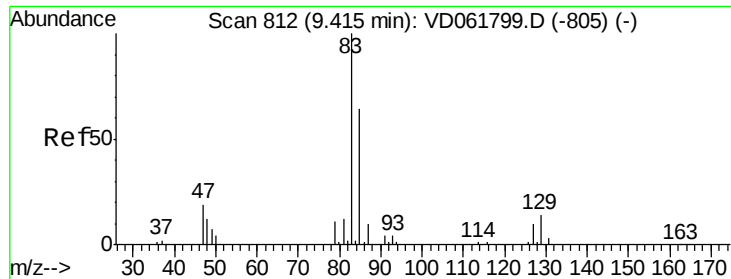
MMDadoda
 4/23/2019 9:22:49 AM



#46
 Dibromomethane
 Concen: 53.947 ug/l
 RT: 9.07 min Scan# 776
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Tgt Ion: 93 Resp: 211078
 Ion Ratio Lower Upper
 93 100
 95 87.0 64.8 97.2
 174 101.6 79.3 118.9





#47

Bromodichloromethane

Concen: 55.351 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

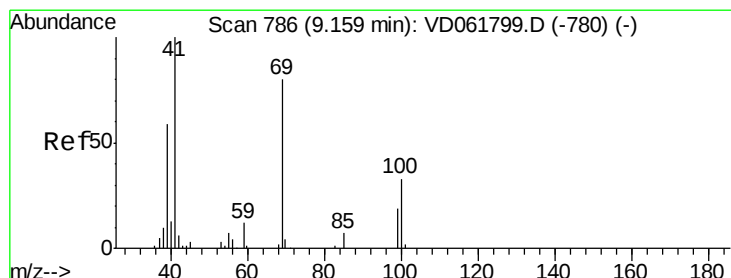
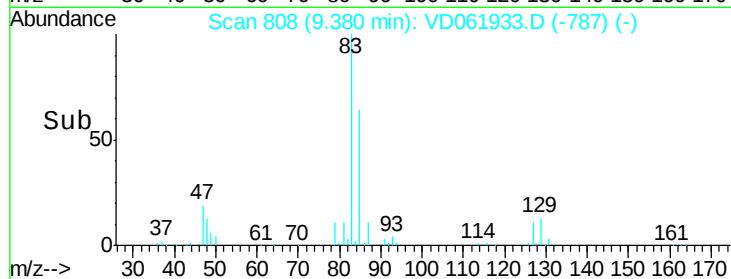
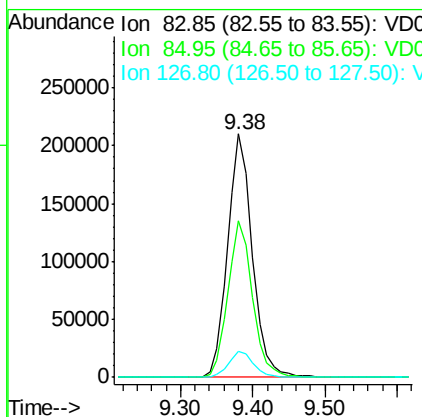
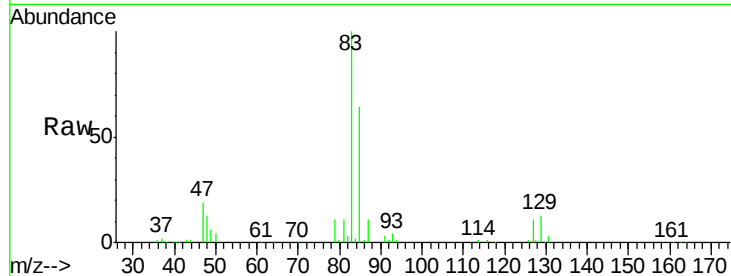
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	499625
Ion Ratio	Lower	Upper	
83	100		
85	64.4	50.9	76.3
127	10.6	8.1	12.1

Manual Integrations
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MMDadoda
4/23/2019 9:22:49 AM



#48

Methyl methacrylate

Concen: 54.651 ug/l

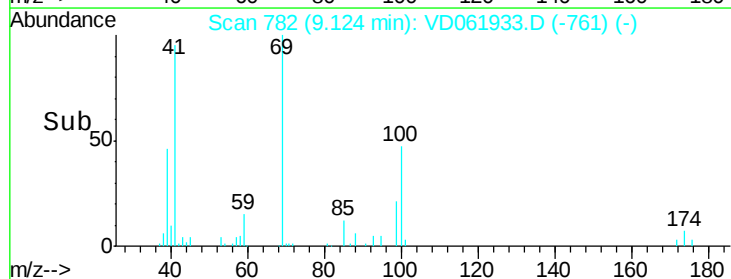
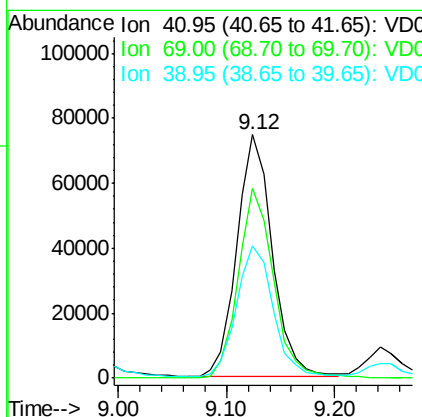
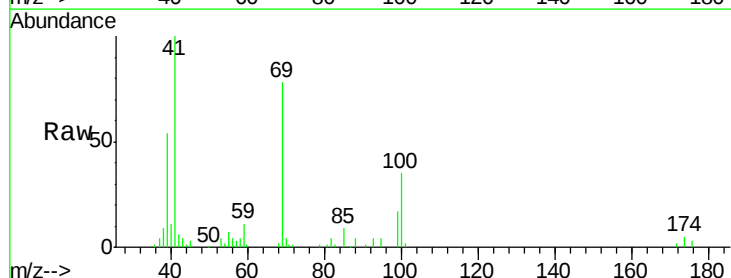
RT: 9.12 min Scan# 782

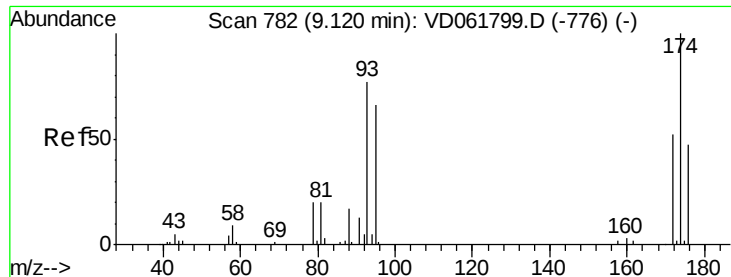
Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Tgt Ion:	41	Resp:	169897
Ion Ratio	Lower	Upper	
41	100		
69	77.8	64.2	96.2
39	54.3	46.8	70.2





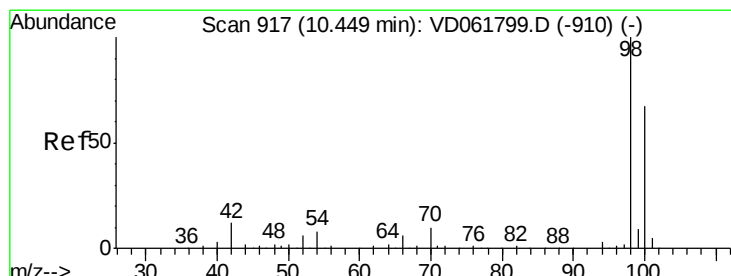
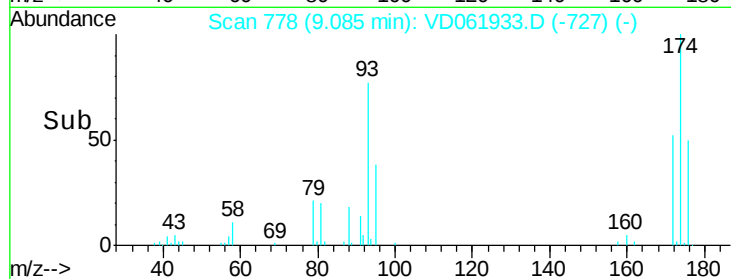
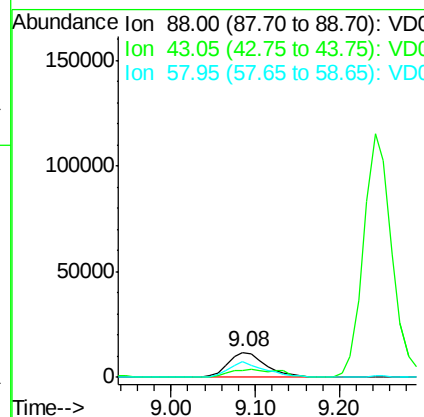
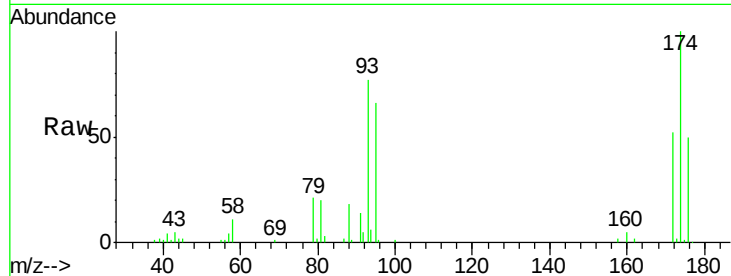
#49
1,4-Dioxane
Concen: 1088.732 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	36994		
43	26.2		23.4	35.0
58	61.7		44.0	66.0

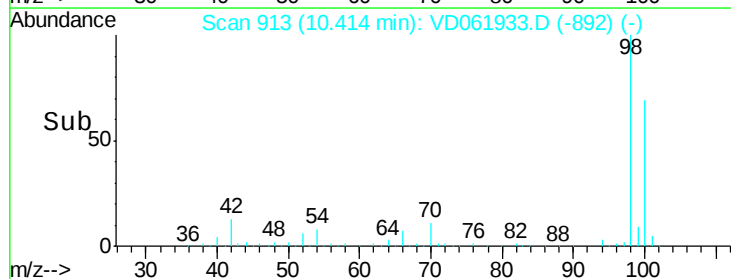
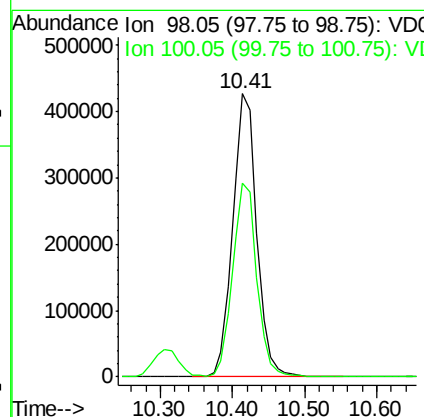
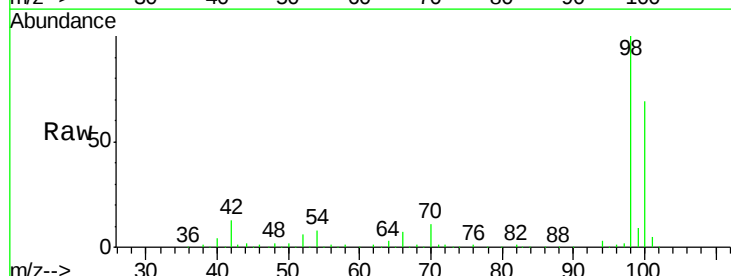
Manual Integrations
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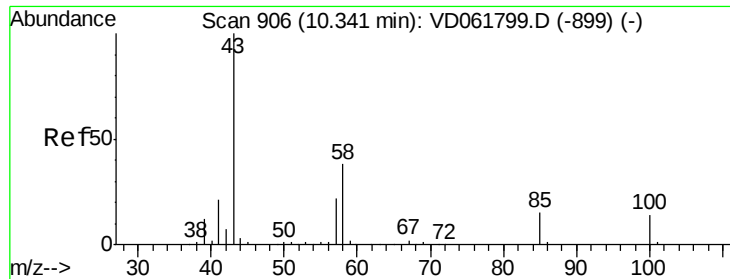
MMDadoda
4/23/2019 9:22:49 AM



#50
Toluene-d8
Concen: 1088.732 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	989587		
100	68.7		53.8	80.8





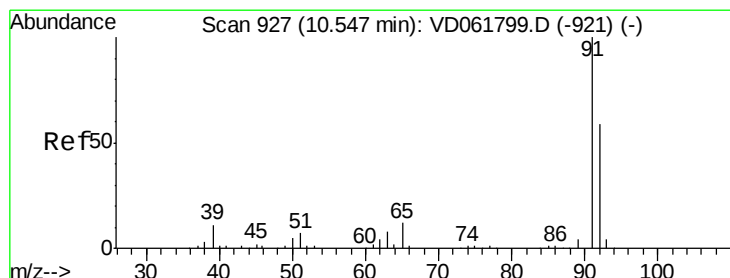
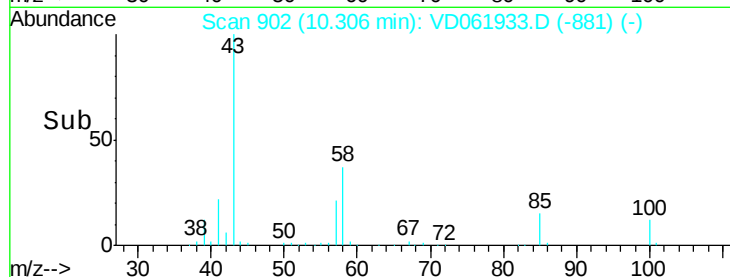
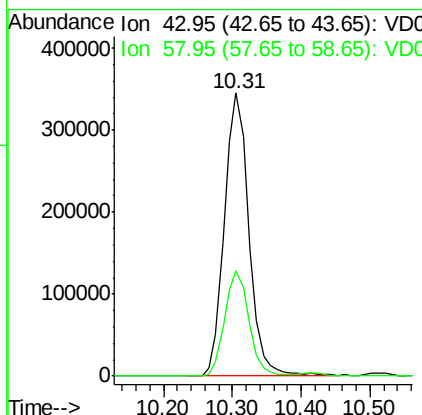
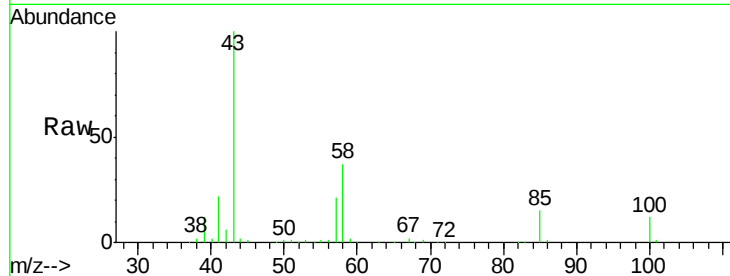
#51
4-Methyl-2-Pentanone
Concen: 262.911 ug/l
RT: 10.31 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.4	45.6

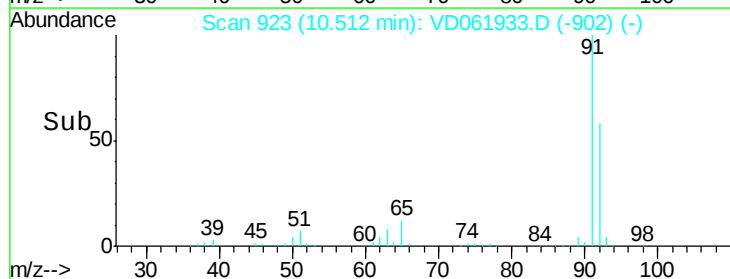
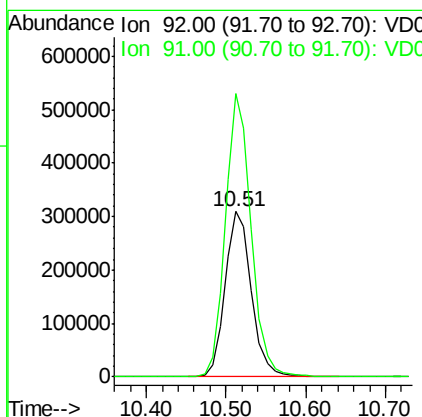
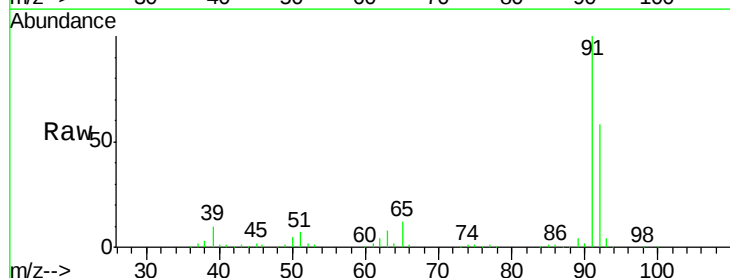
Manual Integrations
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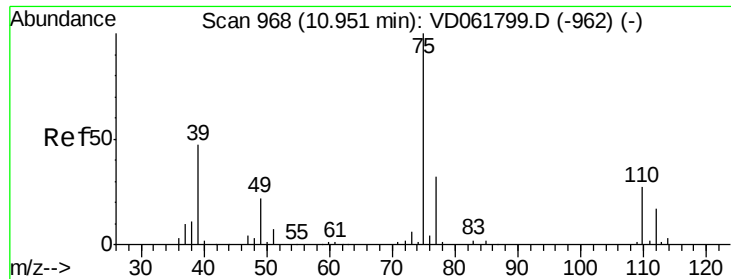
MMDadoda
4/23/2019 9:22:49 AM



#52
Toluene
Concen: 52.878 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.6	204.8





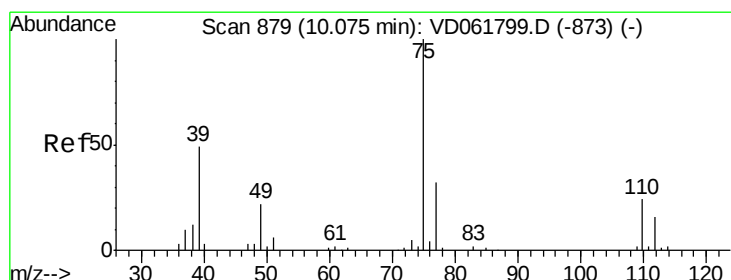
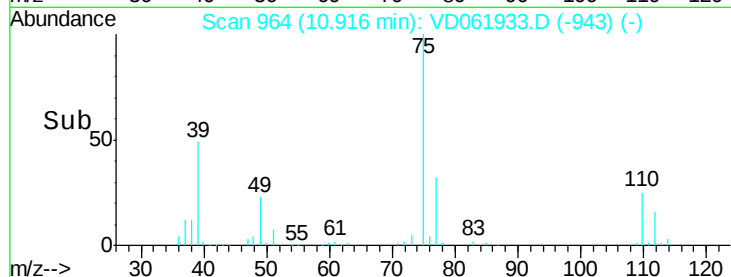
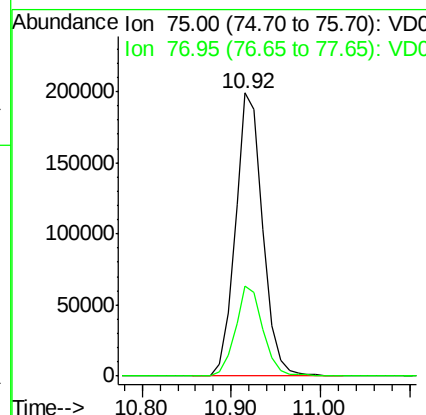
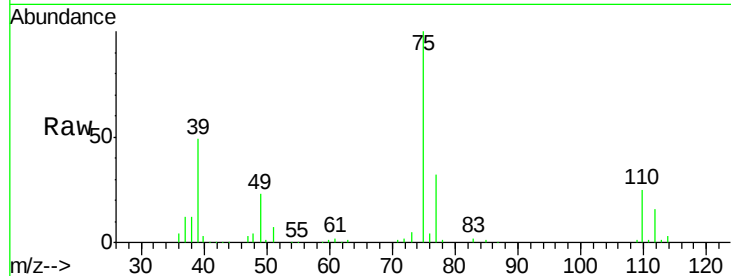
#53
 t-1,3-Dichloropropene
 Concen: 52.386 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 426084
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8

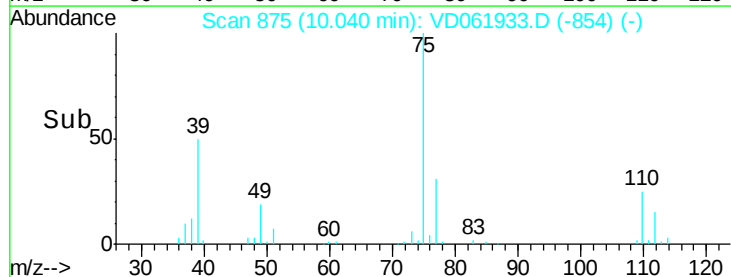
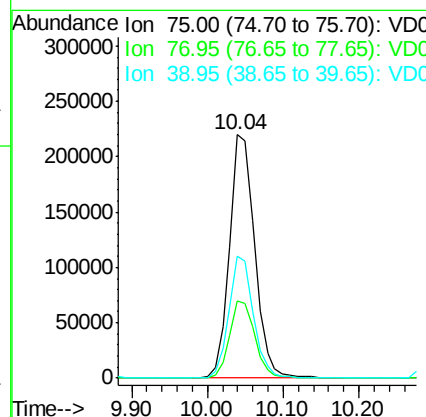
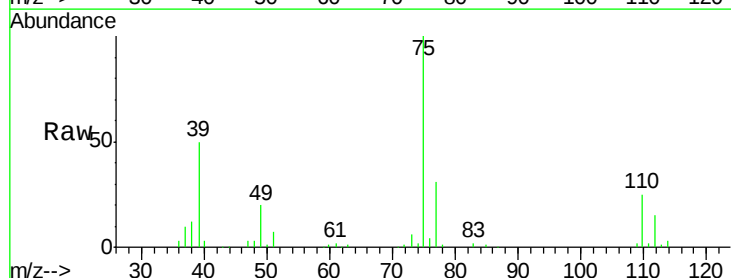
Manual Integrations
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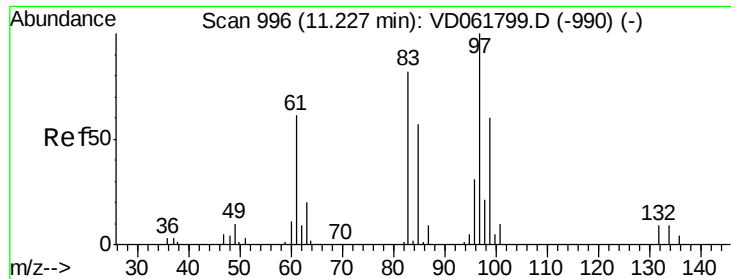
MMDadoda
 4/23/2019 9:22:49 AM



#54
 cis-1,3-Dichloropropene
 Concen: 52.977 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Tgt Ion: 75 Resp: 505795
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3
 39 49.9 39.4 59.2





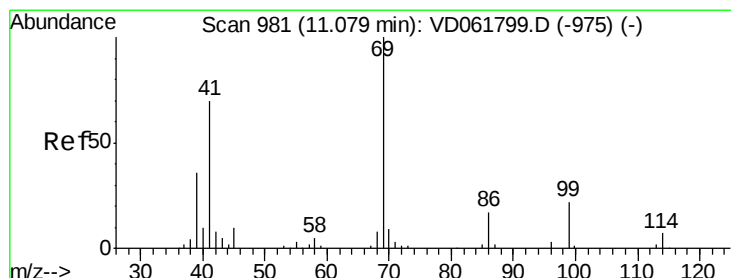
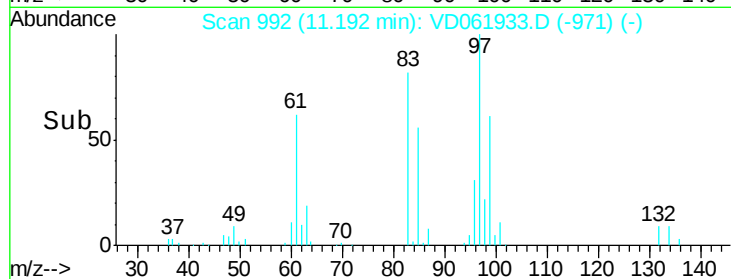
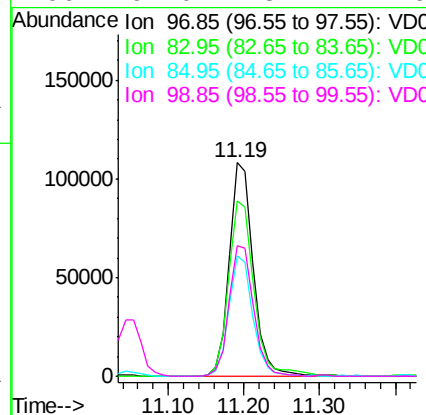
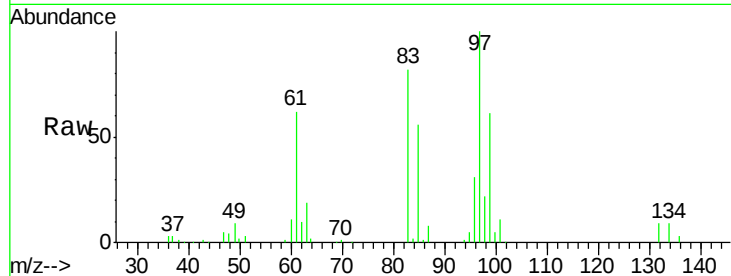
#55
 1,1,2-Trichloroethane
 Concen: 51.874 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	236138
Ion	Ratio	Lower	Upper
97	100		
83	81.8	65.7	98.5
85	56.5	45.6	68.4
99	61.0	48.4	72.6

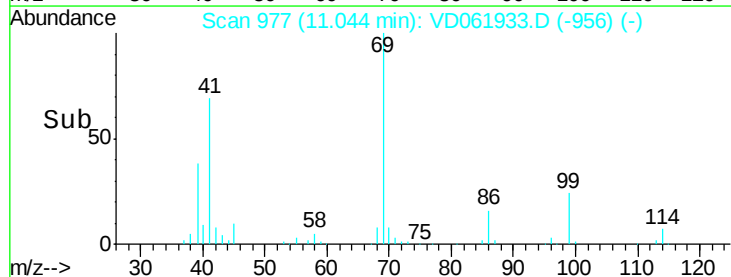
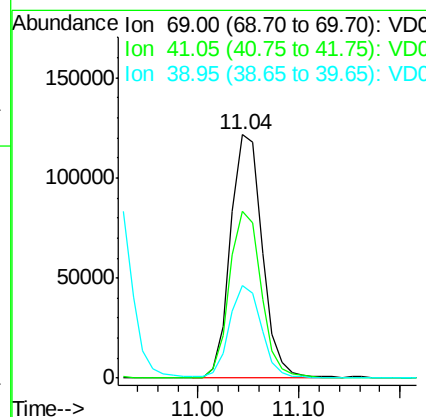
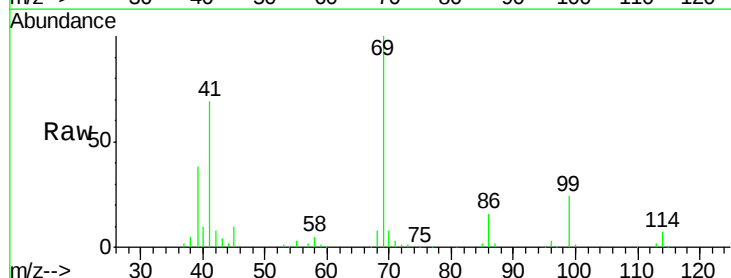
Manual Integrations
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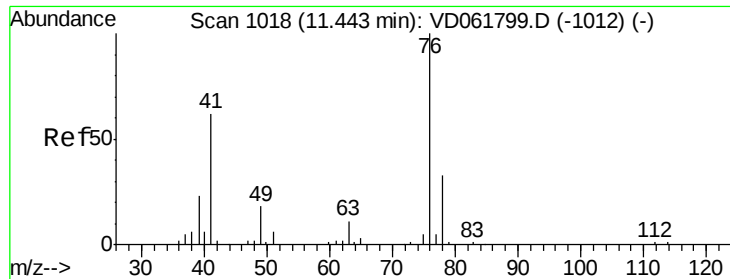
MMDadoda
 4/23/2019 9:22:49 AM



#56
 Ethyl methacrylate
 Concen: 53.515 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Tgt Ion:	69	Resp:	267371
Ion	Ratio	Lower	Upper
69	100		
41	68.6	56.3	84.5
39	38.2	29.4	44.2





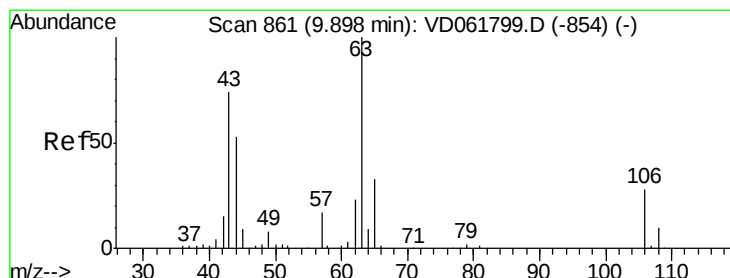
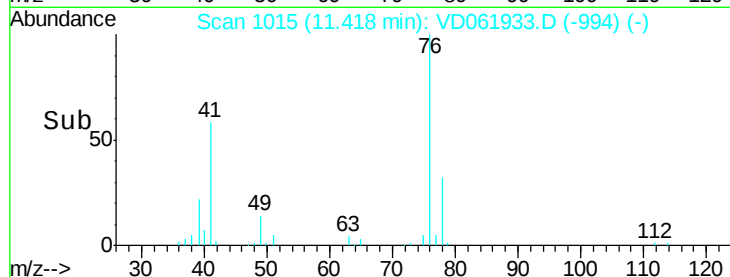
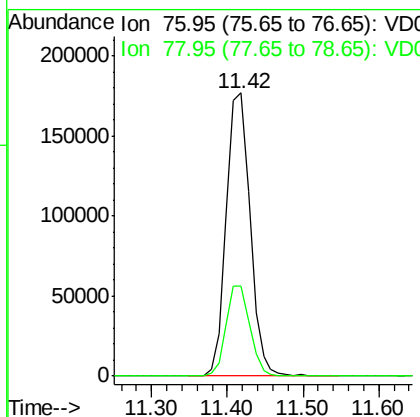
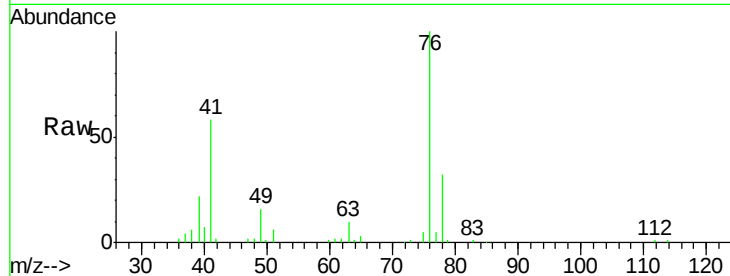
#57
 1,3-Dichloropropane
 Concen: 56.508 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 386722
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2

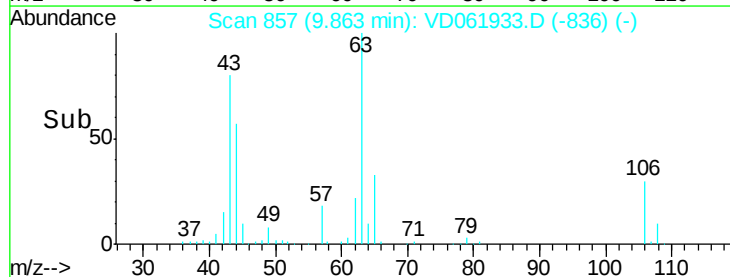
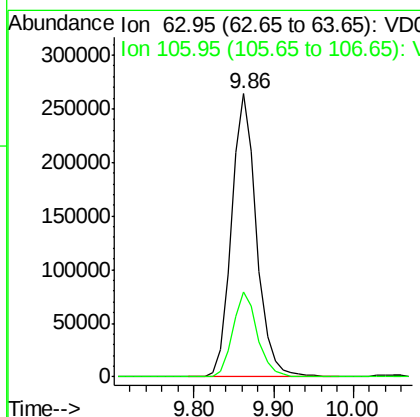
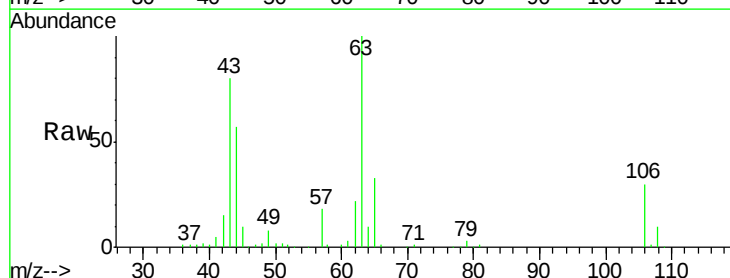
Manual Integrations
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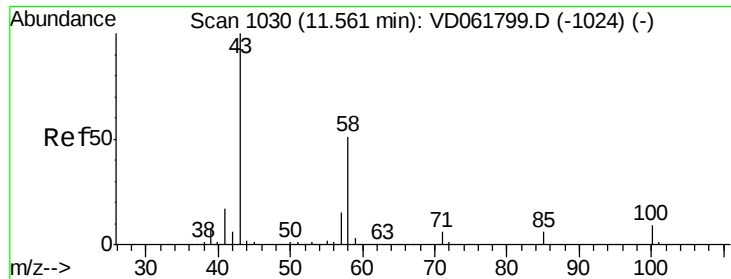
MMDadoda
 4/23/2019 9:22:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.419 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Tgt Ion: 63 Resp: 578463
 Ion Ratio Lower Upper
 63 100
 106 29.9 22.6 34.0





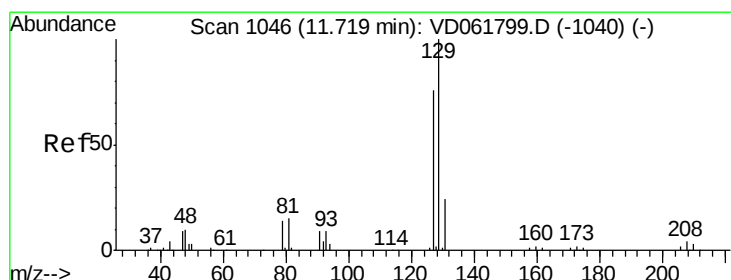
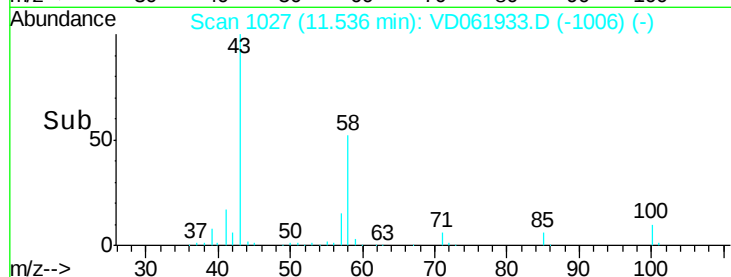
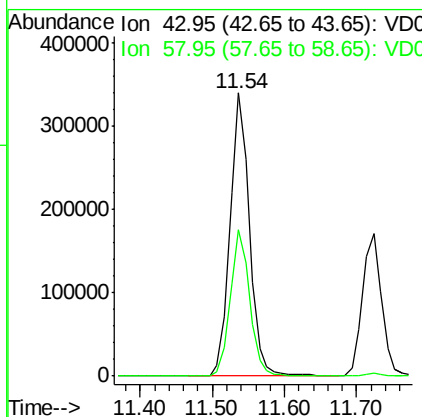
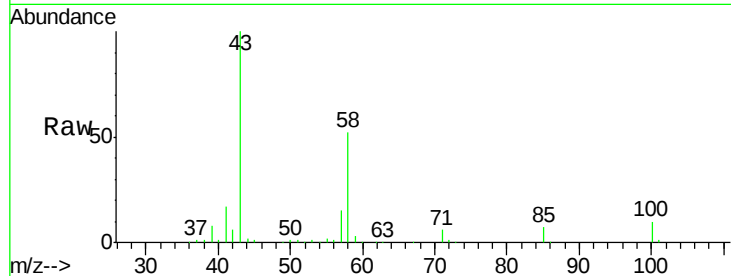
#59
2-Hexanone
Concen: 267.096 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 641599
Ion Ratio Lower Upper
43 100
58 51.7 25.4 76.4

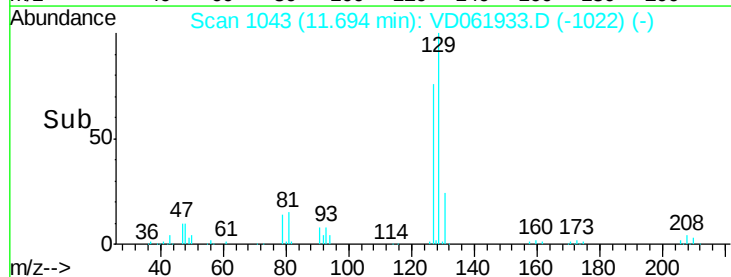
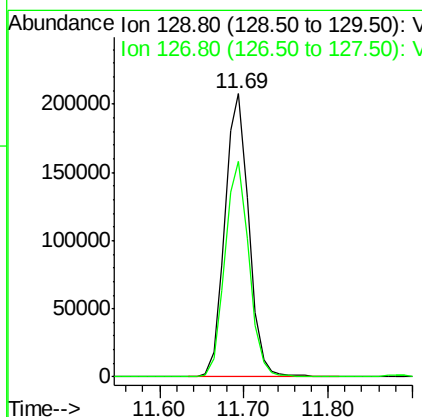
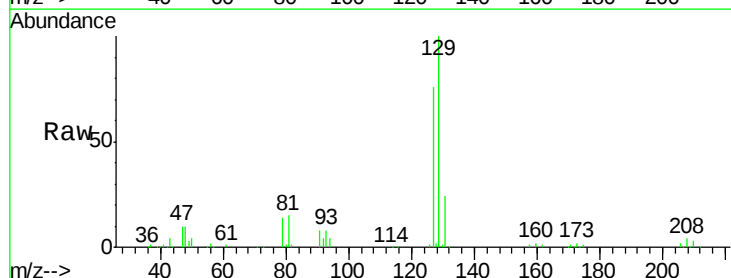
Manual Integrations
APPROVED

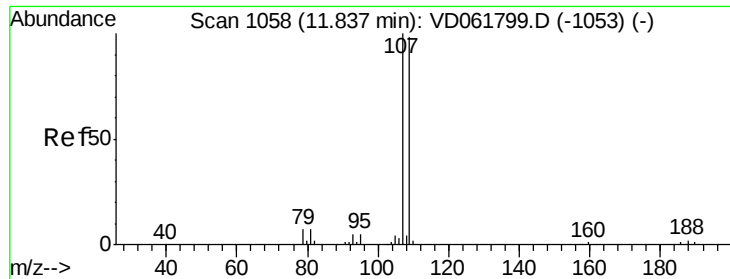
MMDadoda
4/23/2019 9:22:49 AM



#60
Dibromochloromethane
Concen: 55.044 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion: 129 Resp: 409998
Ion Ratio Lower Upper
129 100
127 76.0 38.0 113.9





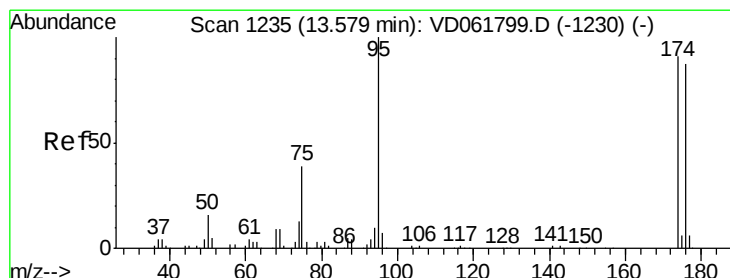
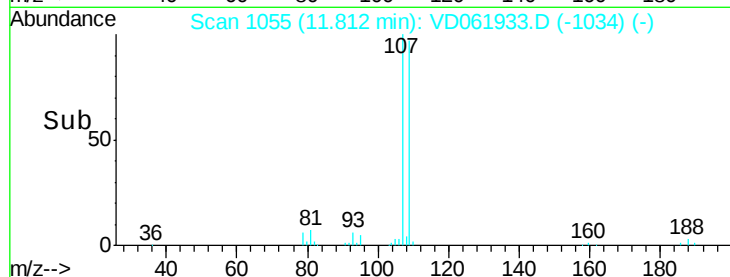
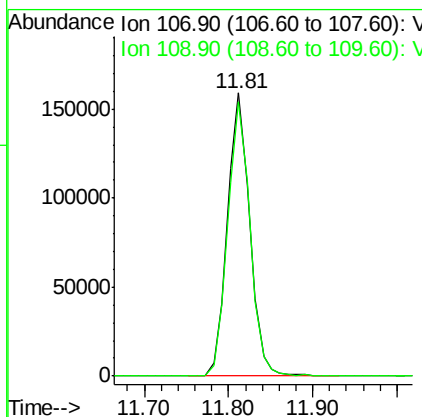
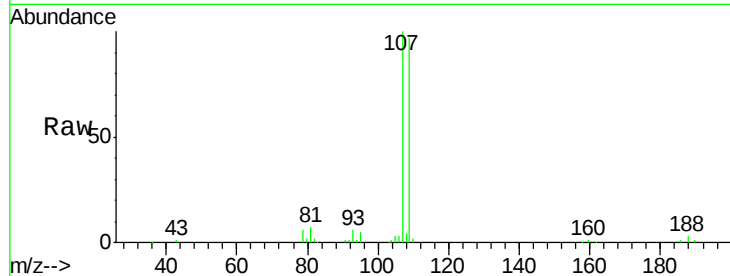
#61
 1,2-Dibromoethane
 Concen: 52.209 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.1	78.3	117.5

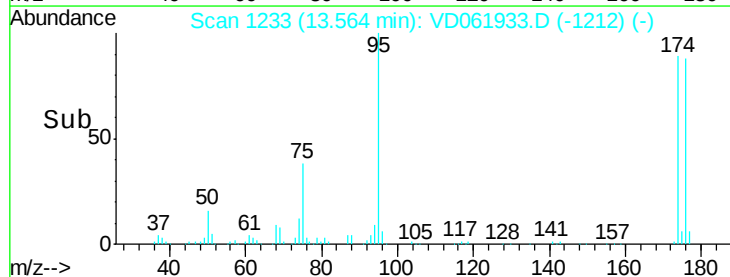
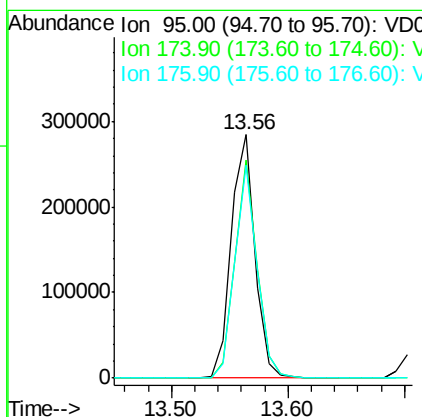
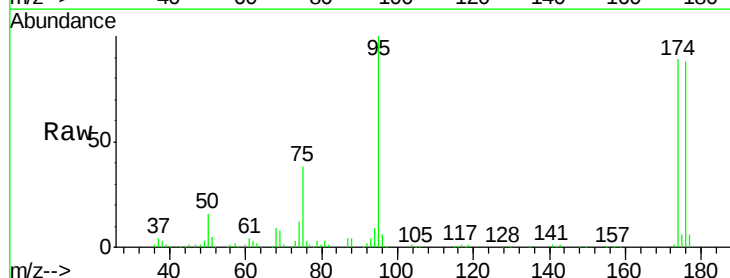
Manual Integrations
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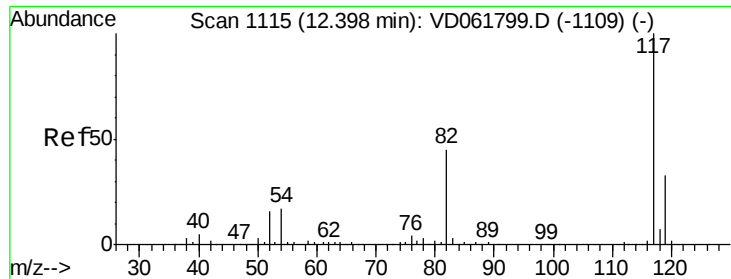
MMDadoda
 4/23/2019 9:22:49 AM



#62
 4-Bromofluorobenzene
 Concen: 52.209 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	181.8
176	87.5	0.0	174.4





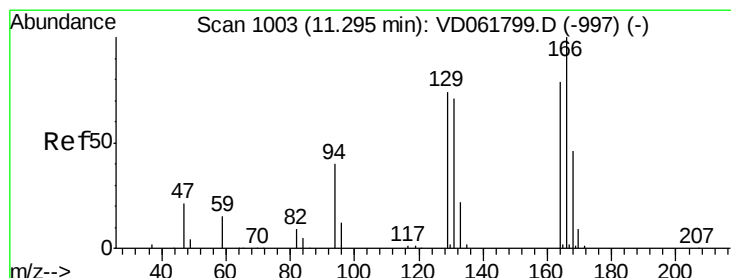
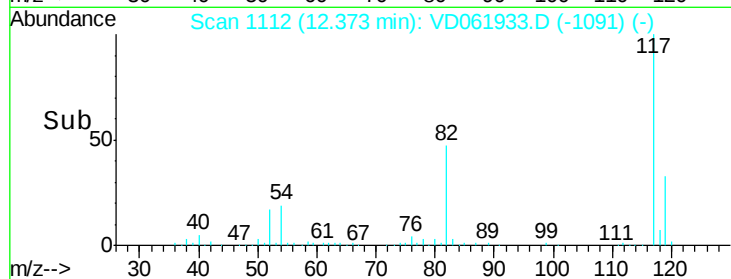
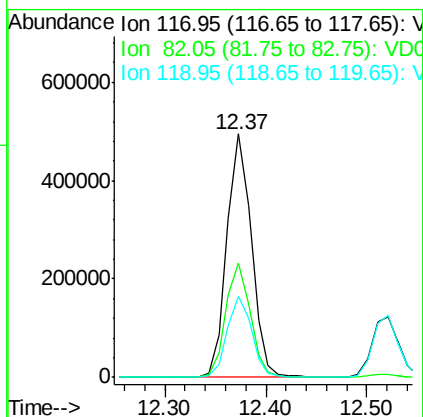
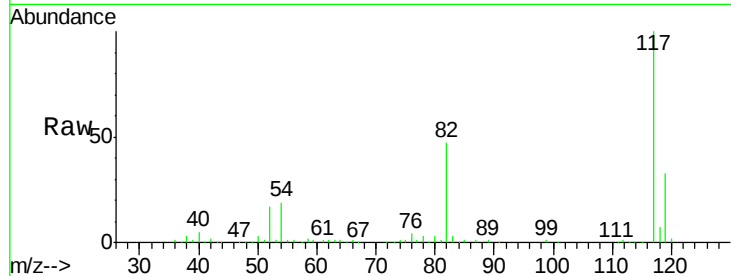
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.1	36.2	54.2
119	33.5	26.2	39.4

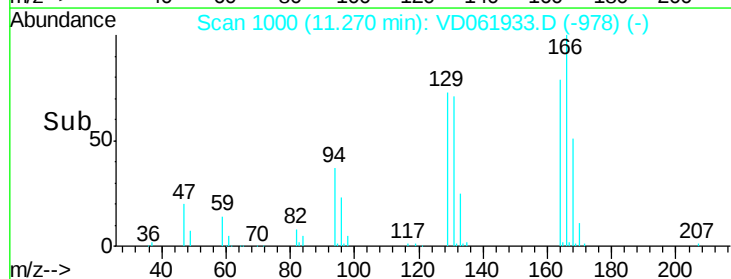
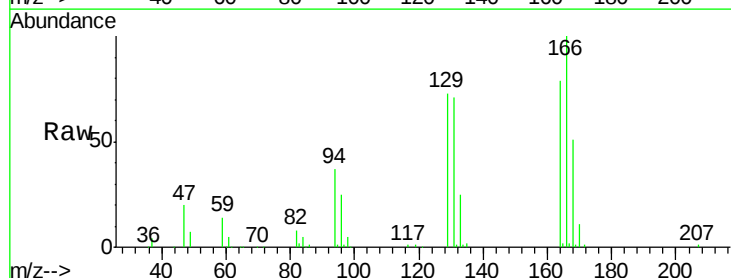
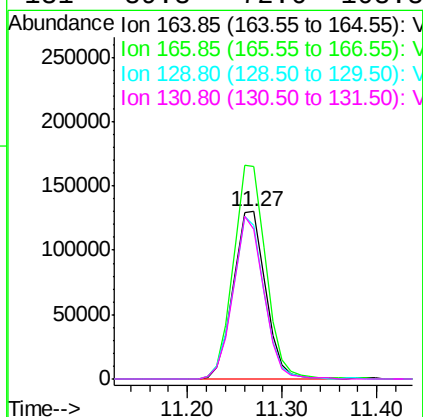
Manual Integrations
APPROVED

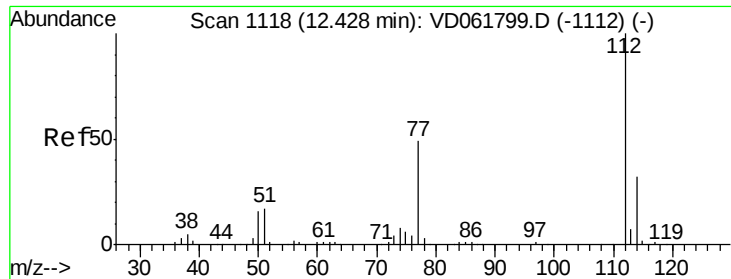
MMDadoda
4/23/2019 9:22:49 AM



#64
Tetrachloroethene
Concen: 48.840 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.5	152.3
129	91.9	74.6	112.0
131	89.3	72.6	108.8





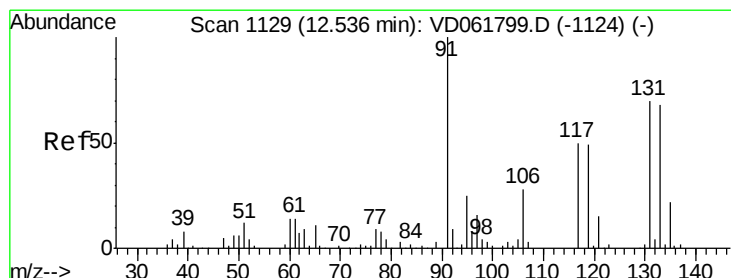
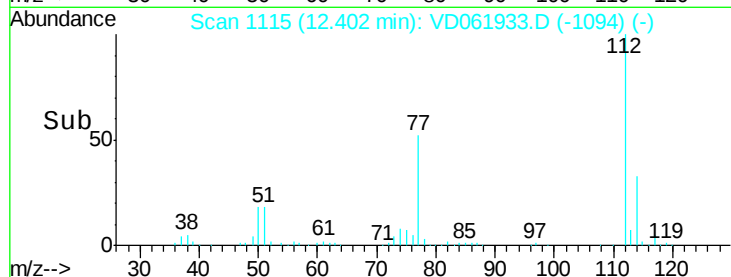
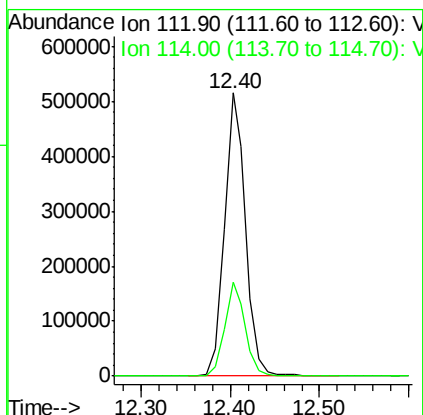
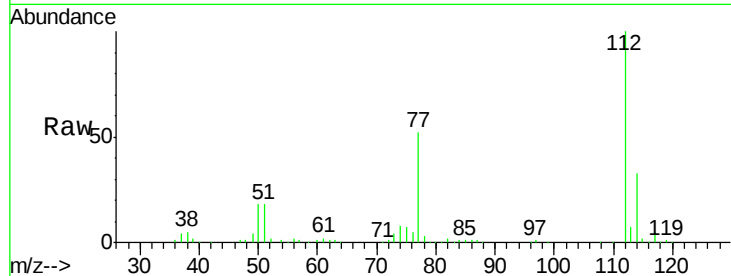
#65
Chlorobenzene
Concen: 54.507 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 852896
Ion Ratio Lower Upper
112 100
114 33.2 25.8 38.8

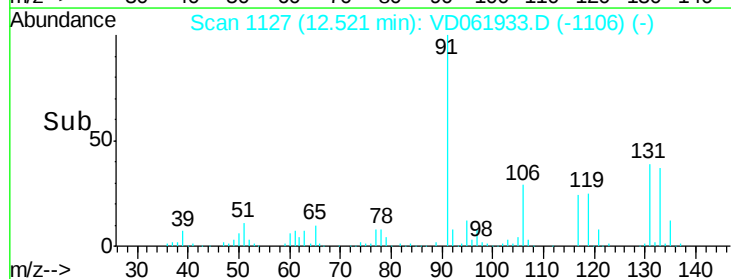
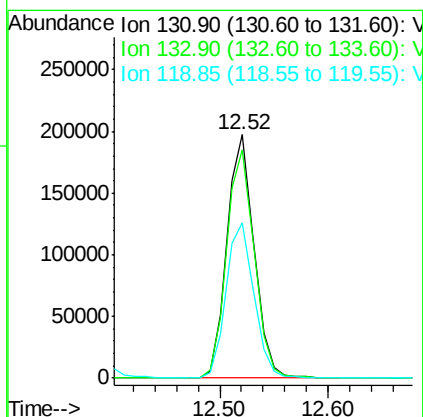
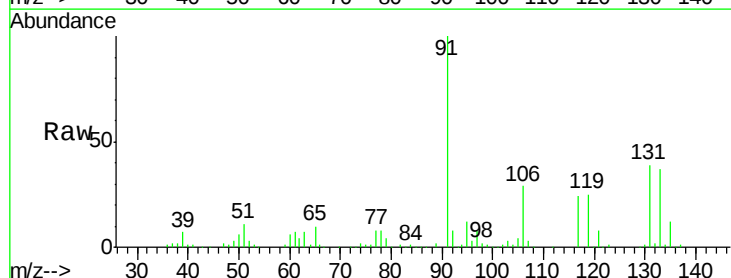
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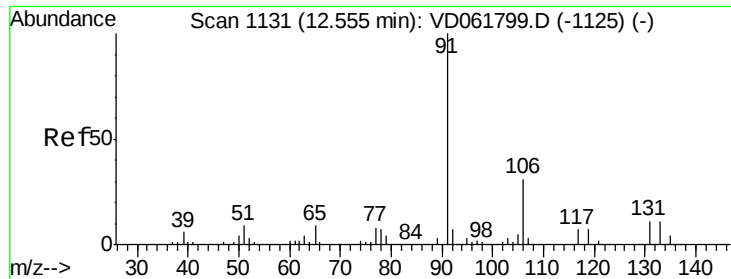
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.429 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion:131 Resp: 343792
Ion Ratio Lower Upper
131 100
133 93.7 48.6 145.8
119 64.0 34.7 104.1





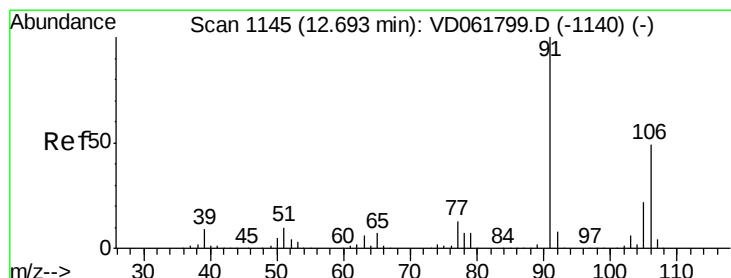
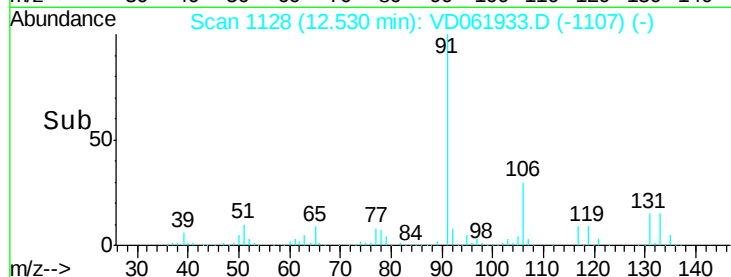
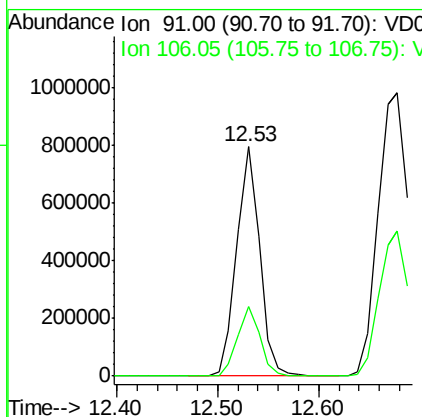
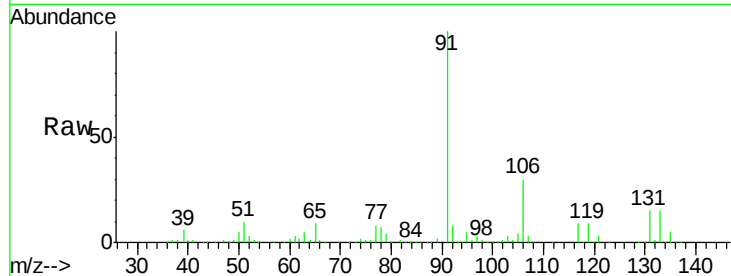
#67
Ethyl Benzene
Concen: 50.198 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 1257878
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1

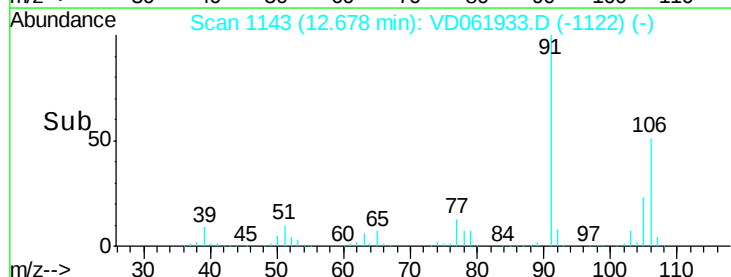
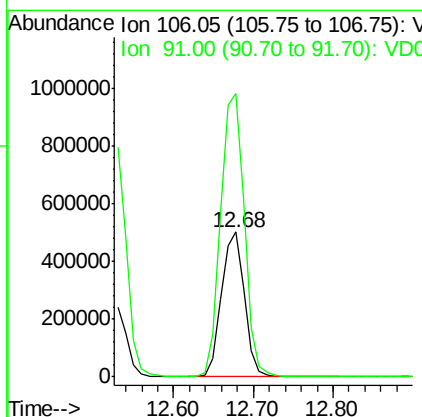
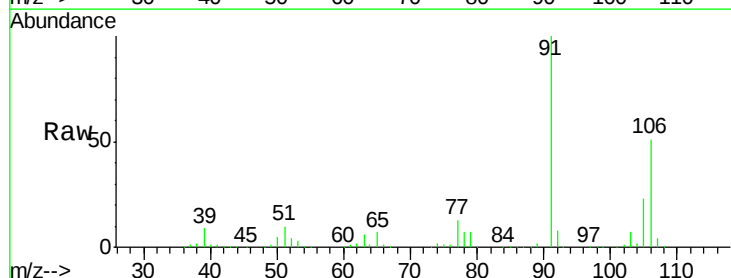
Manual Integrations
APPROVED

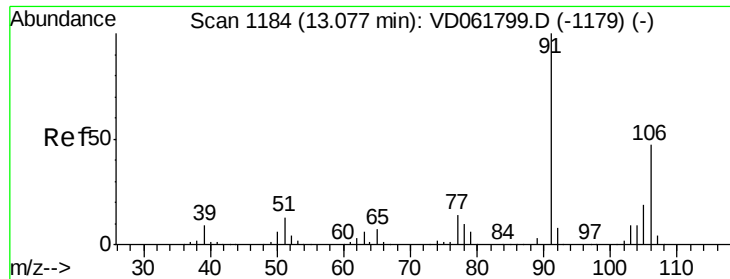
MMDadoda
4/23/2019 9:22:49 AM



#68
m/p-Xylenes
Concen: 108.480 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion: 106 Resp: 1021081
Ion Ratio Lower Upper
106 100
91 195.8 164.0 246.0





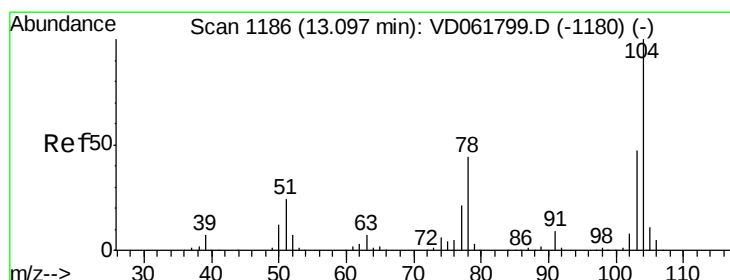
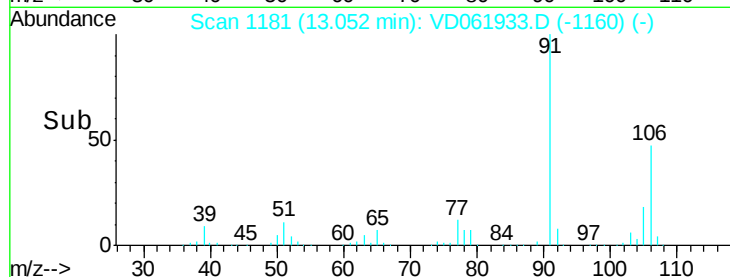
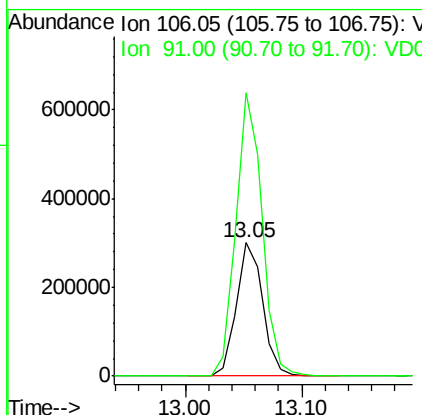
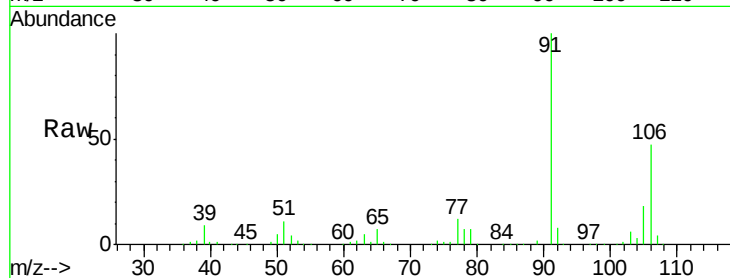
#69
o-Xylene
Concen: 53.024 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 469111
Ion Ratio Lower Upper
106 100
91 212.0 106.7 319.9

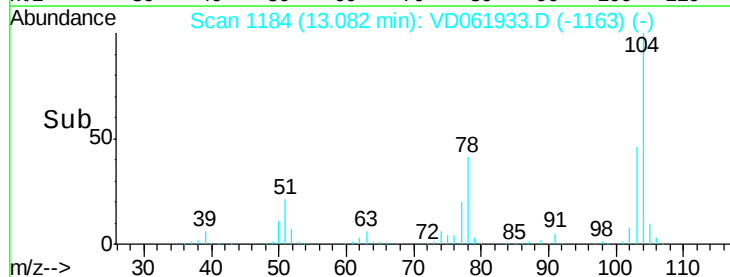
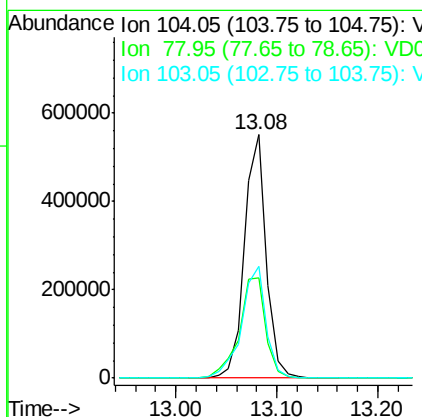
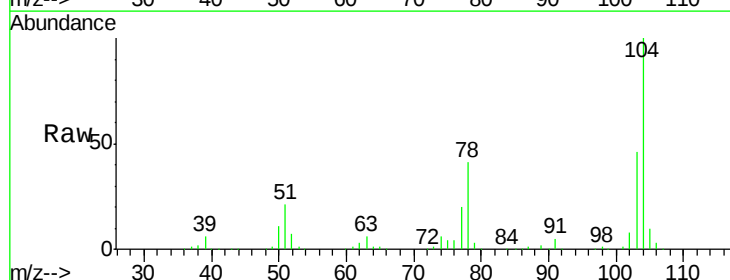
Manual Integrations
APPROVED

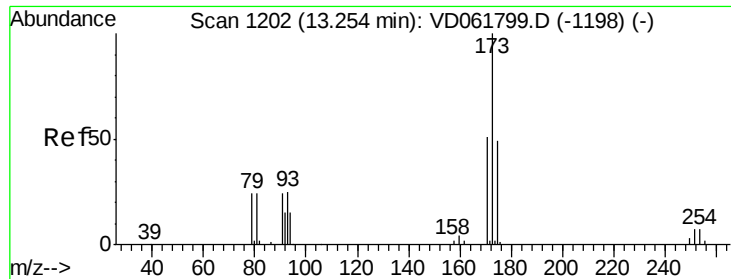
MMDadoda
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#70
Styrene
Concen: 54.351 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion:104 Resp: 827472
Ion Ratio Lower Upper
104 100
78 41.0 35.4 53.2
103 45.7 37.5 56.3





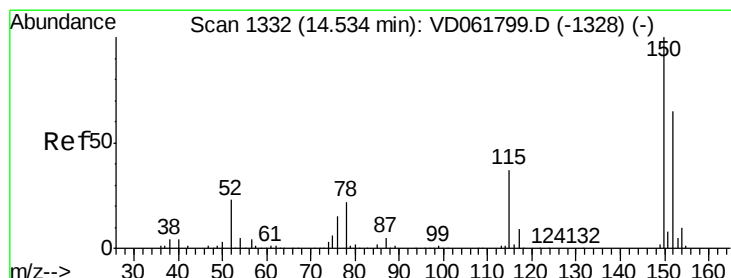
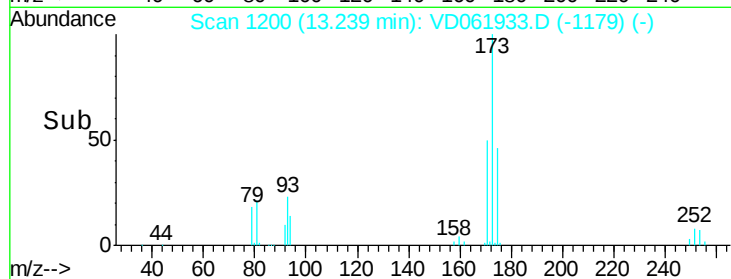
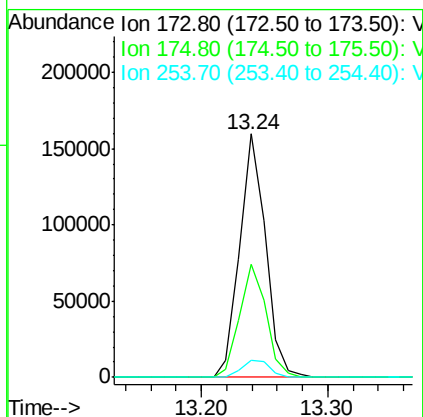
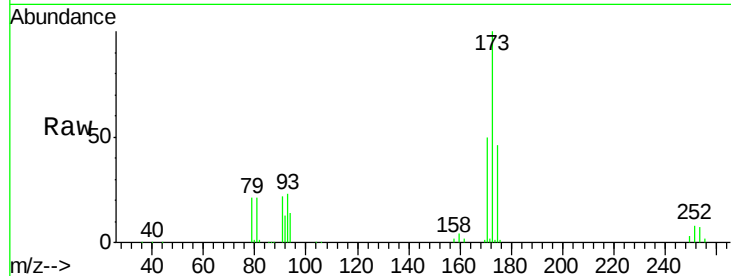
#71
Bromoform
Concen: 58.147 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	24.4	73.4
254	6.9	5.4	8.2

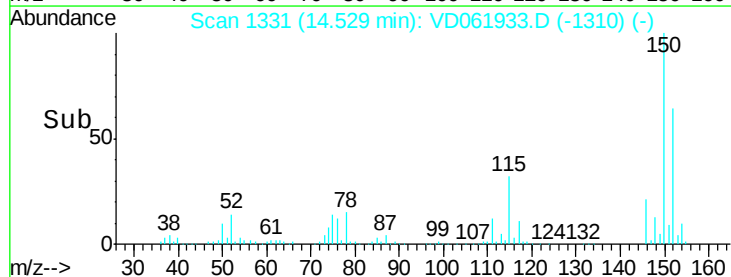
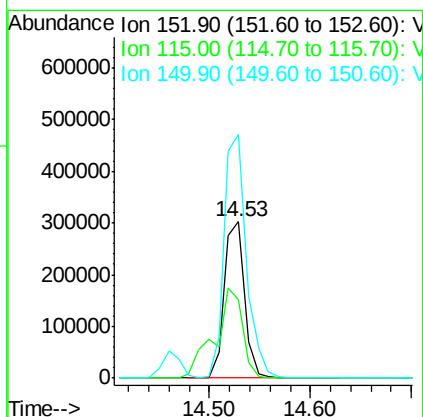
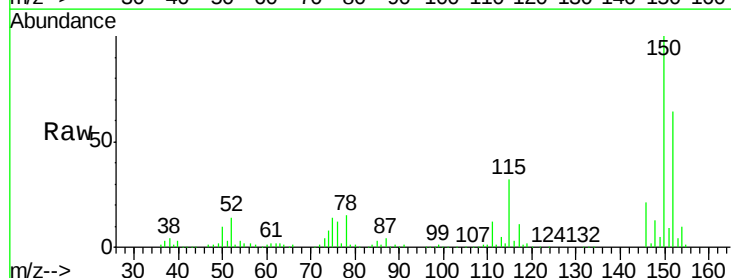
Manual Integrations
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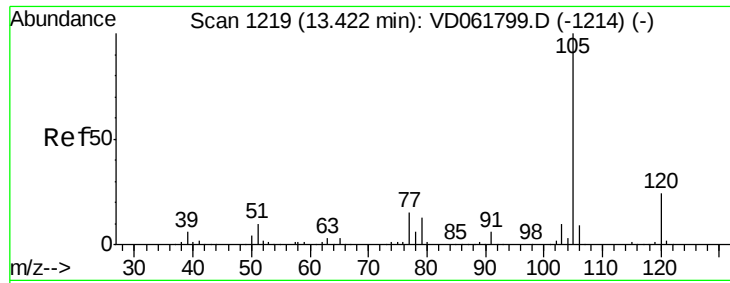
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.4	30.9	92.7
150	156.1	0.0	314.8





#73

Isopropylbenzene

Concen: 48.828 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1337004

Ion Ratio Lower Upper

105 100

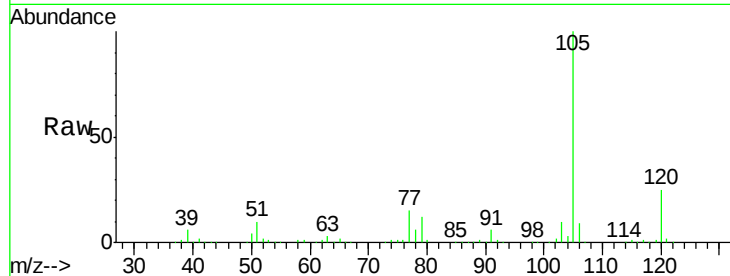
120 24.8 12.0 36.1

Manual Integrations

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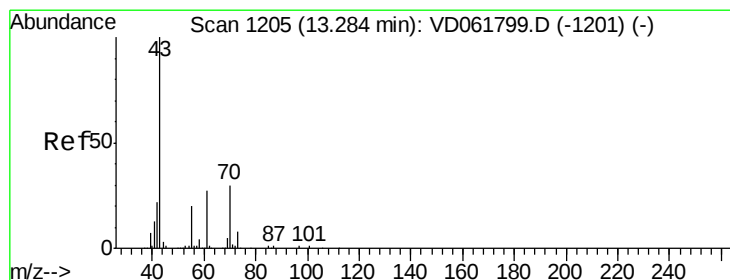
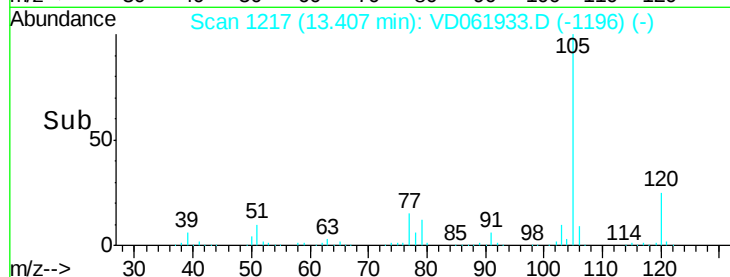
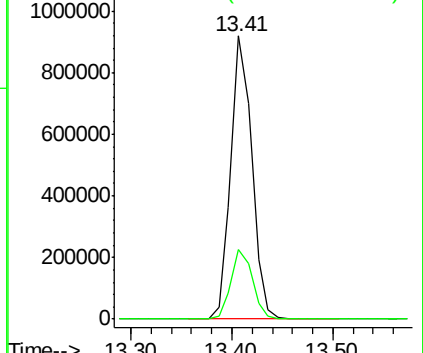
MMDadoda

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.400 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Tgt Ion: 43 Resp: 349007

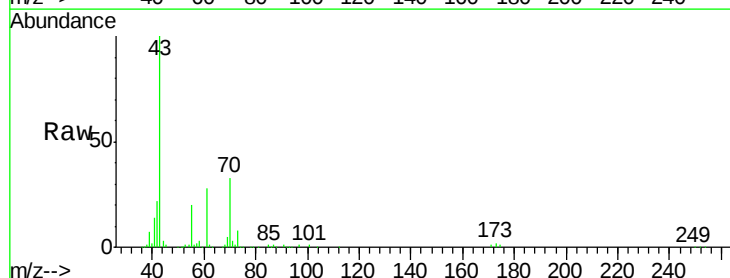
Ion Ratio Lower Upper

43 100

70 32.6 24.2 36.4

55 19.7 16.0 24.0

61 27.6 21.6 32.4

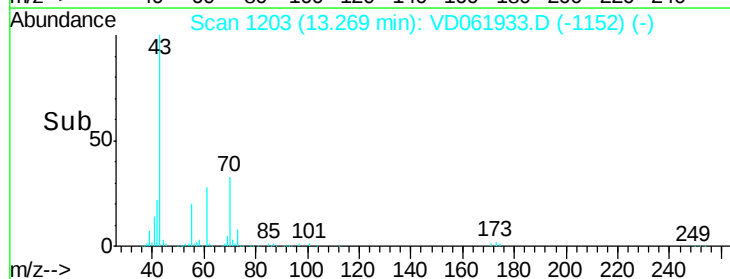
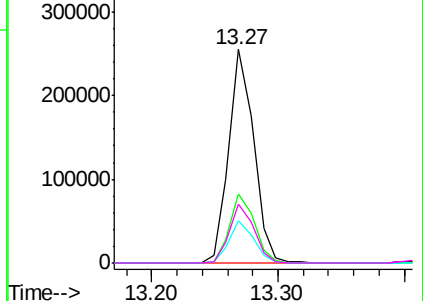


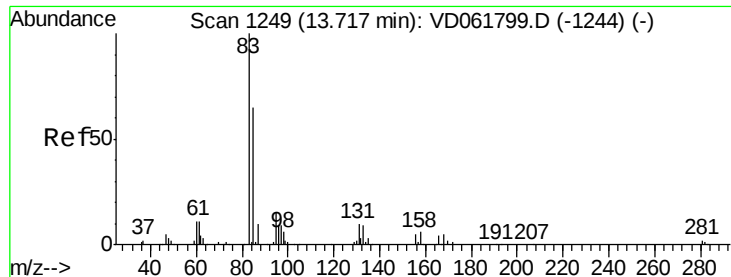
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 47.867 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

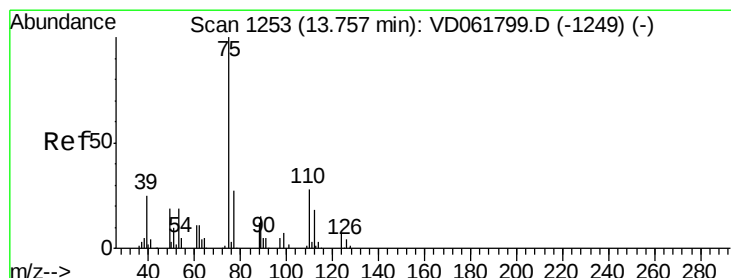
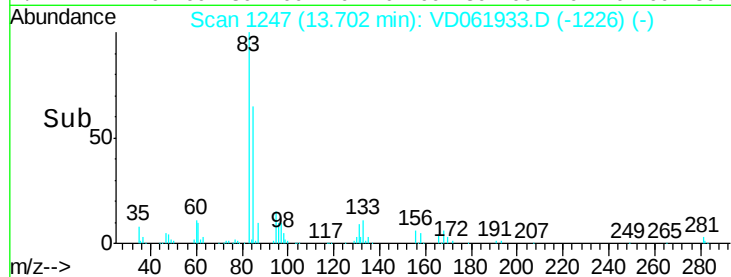
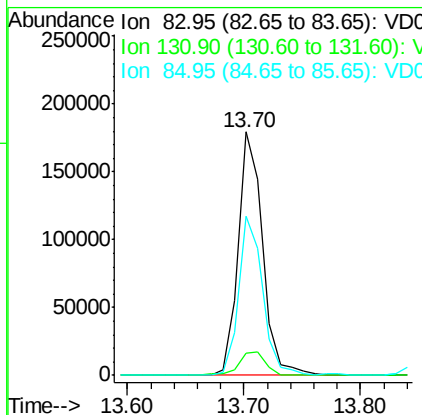
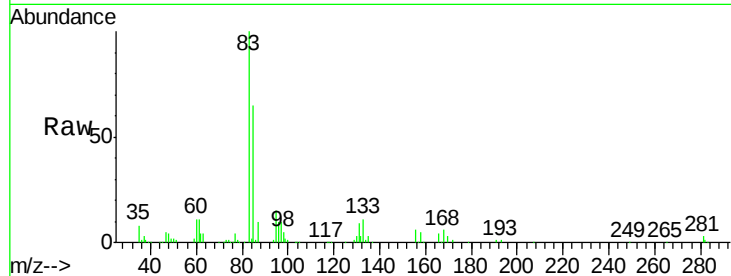
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	259076
Ion Ratio		Lower	Upper
83	100		
131	9.3	5.0	14.9
85	65.2	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.364 ug/l

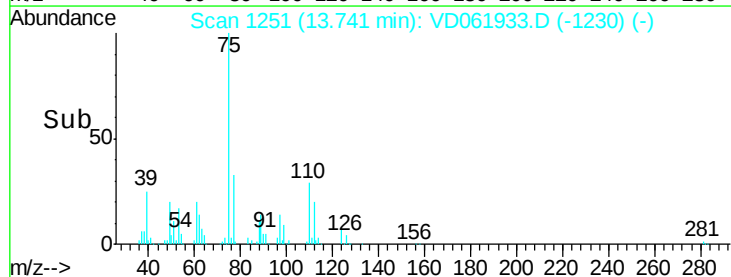
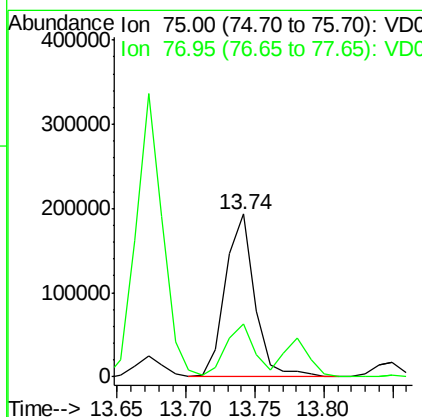
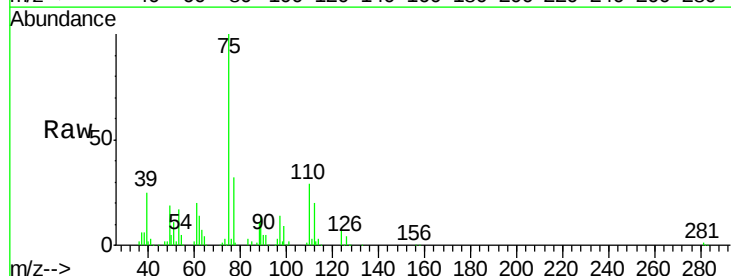
RT: 13.74 min Scan# 1251

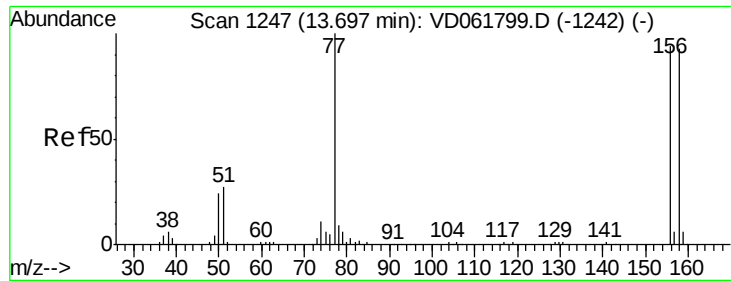
Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Tgt Ion:	75	Resp:	284801
Ion Ratio		Lower	Upper
75	100		
77	32.3	16.4	49.4





#77

Bromobenzene

Concen: 47.412 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

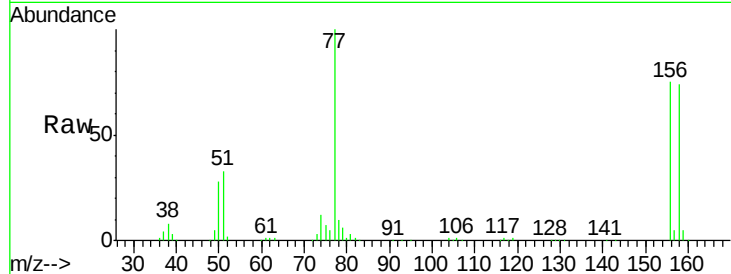
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	133.7	53.1	159.4	
158	98.8	49.4	148.0	

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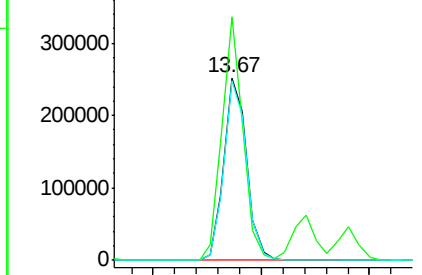
MMDadoda
4/23/2019 9:22:49 AM



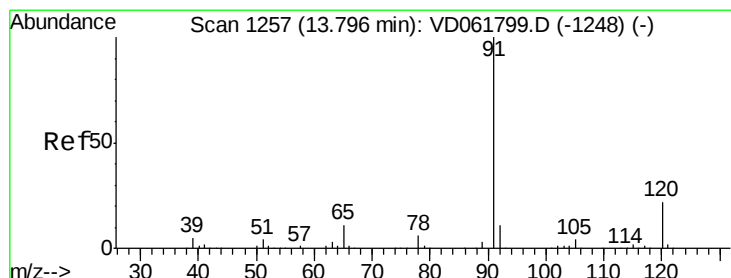
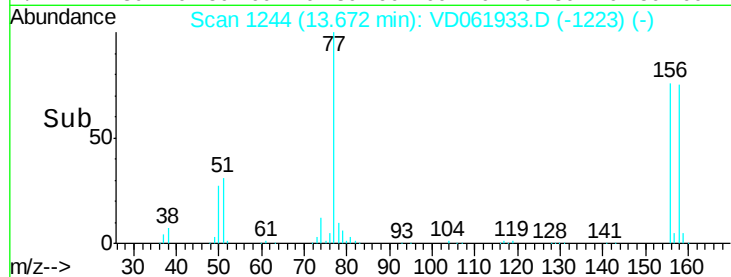
Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



Time-->



#78

n-propylbenzene

Concen: 49.637 ug/l

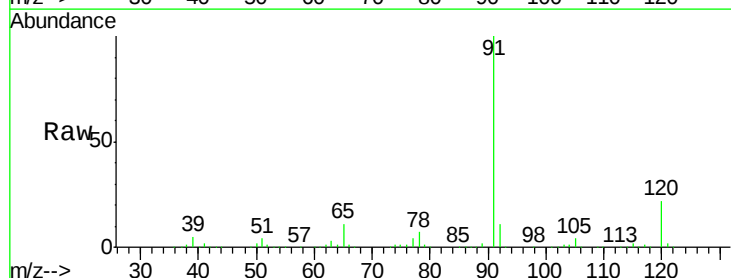
RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061933.D

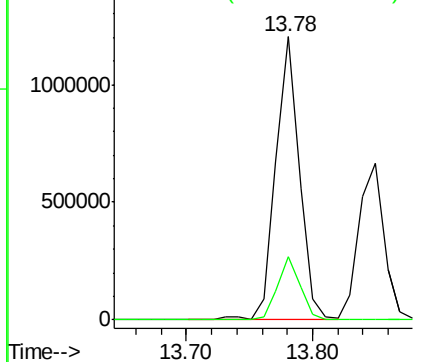
Acq: 22 Apr 2019 12:16

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.4	11.1	33.1	

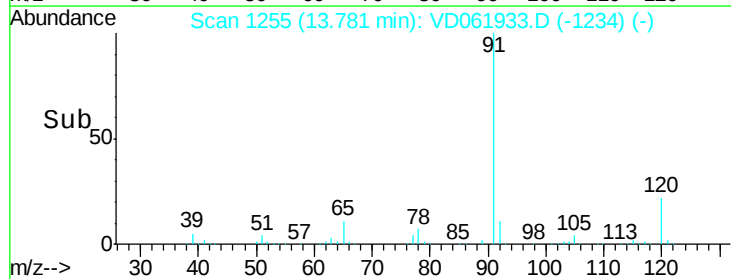


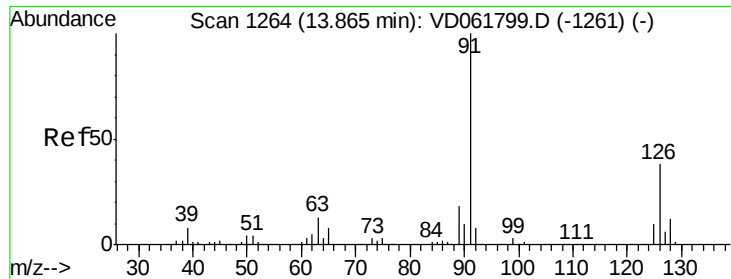
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V



Time-->





#79

2-Chlorotoluene

Concen: 49.606 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 916743

Ion Ratio Lower Upper

91 100

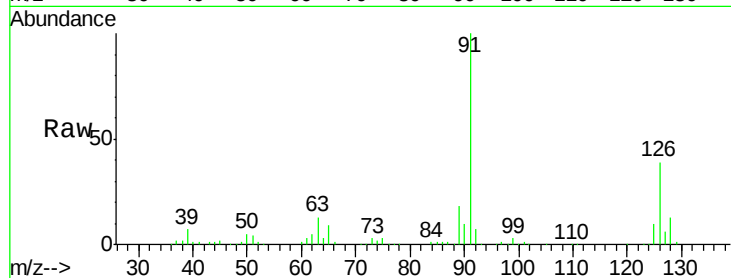
126 39.4 18.6 55.8

Manual Integrations

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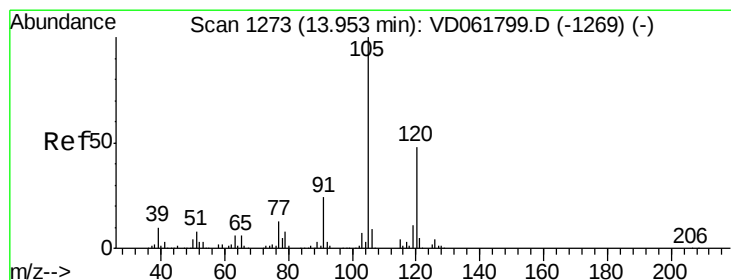
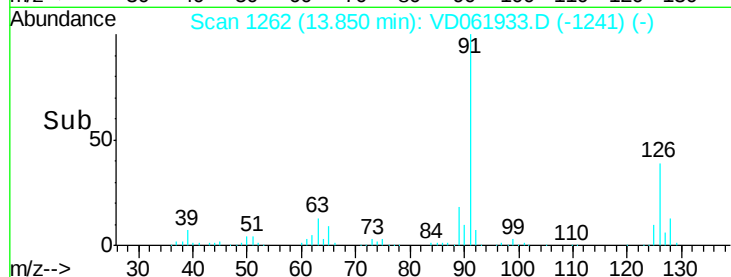
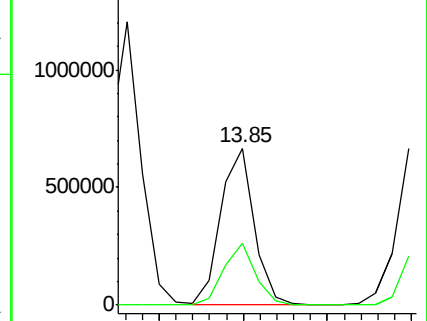
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD061799.D (-1261) (-)

Ion 125.95 (125.65 to 126.65): VD061799.D (-1261) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.335 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD061933.D

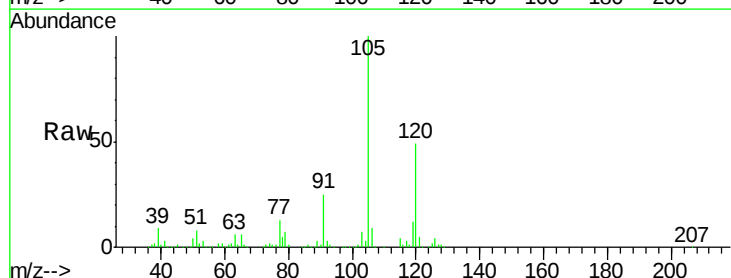
Acq: 22 Apr 2019 12:16

Tgt Ion: 105 Resp: 1137048

Ion Ratio Lower Upper

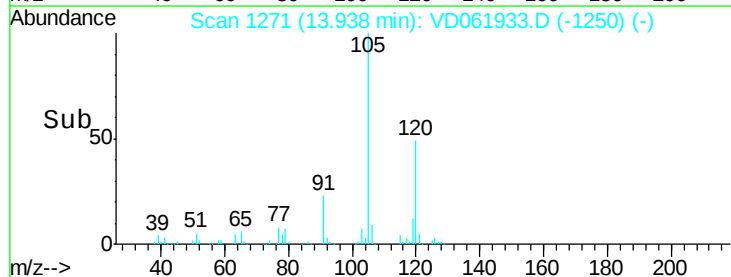
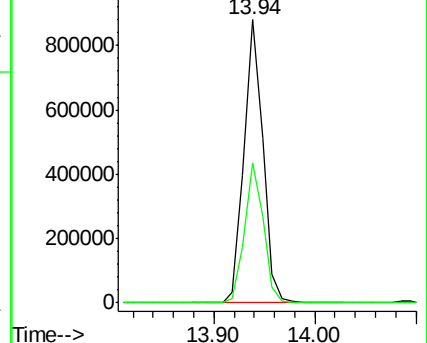
105 100

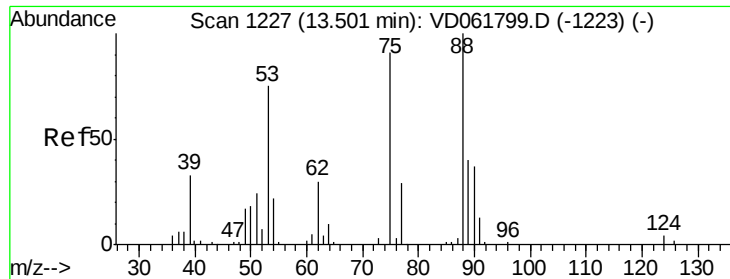
120 49.5 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061799.D (-1269) (-)

Ion 120.05 (119.75 to 120.75): VD061799.D (-1269) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.353 ug/l

RT: 13.48 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Instrument :

MSVOA_D

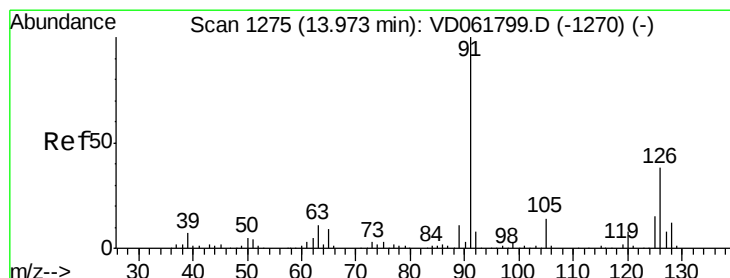
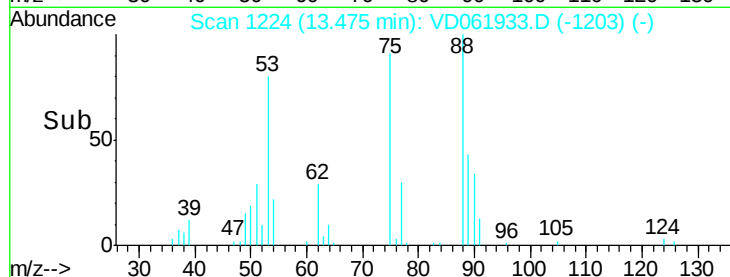
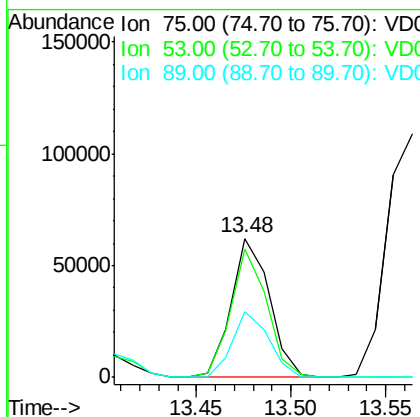
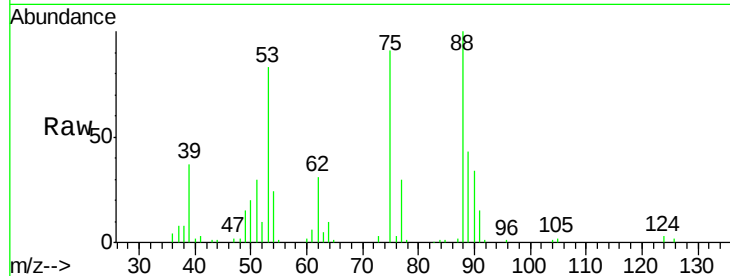
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	86688
Ion Ratio	Lower	Upper	
75	100		
53	92.0	65.8	98.8
89	47.5	35.0	52.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.715 ug/l

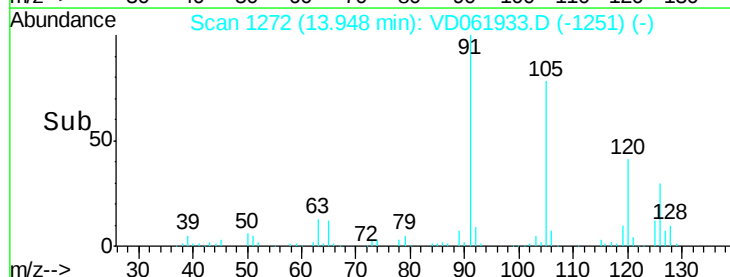
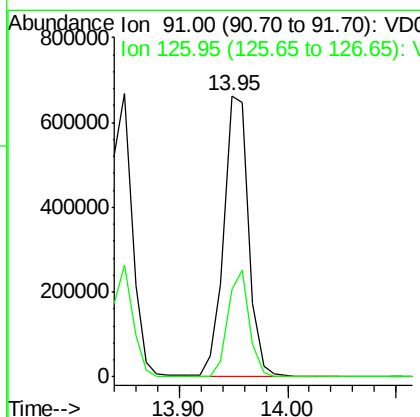
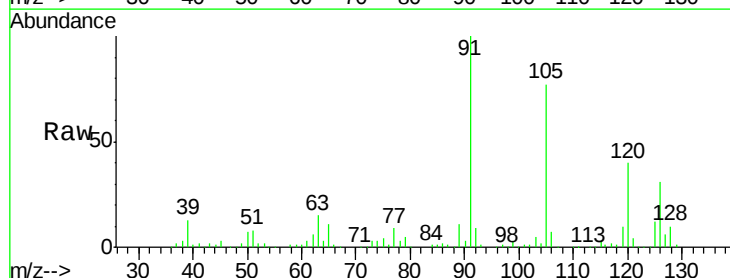
RT: 13.95 min Scan# 1272

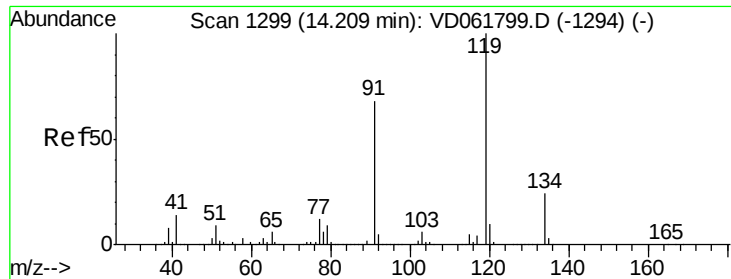
Delta R.T. 0.01 min

Lab File: VD061933.D

Acq: 22 Apr 2019 12:16

Tgt Ion:	91	Resp:	1051625
Ion Ratio	Lower	Upper	
91	100		
126	31.1	19.1	57.5





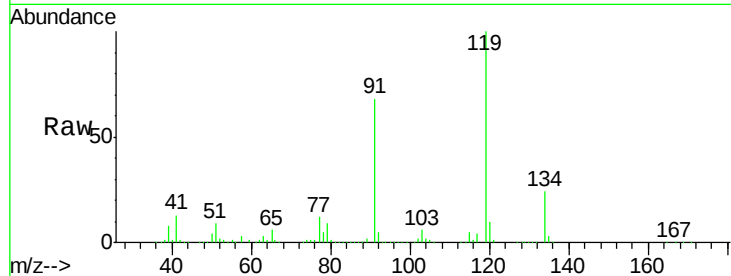
#83
tert-Butylbenzene
Concen: 51.926 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

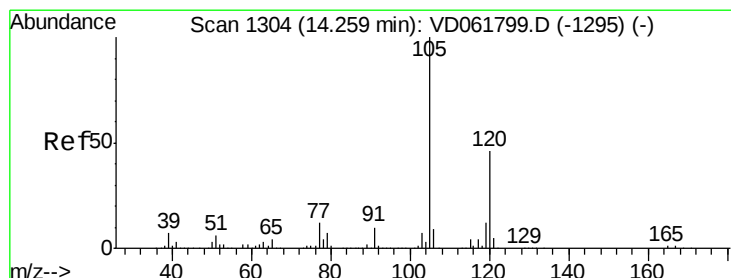
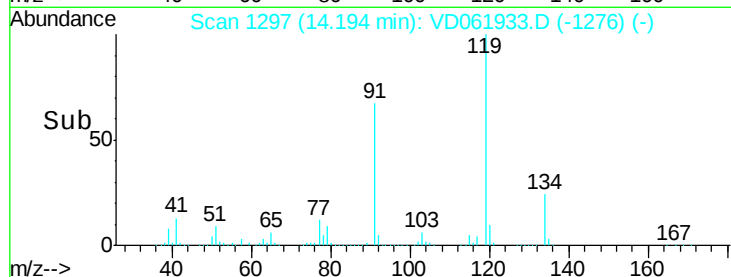
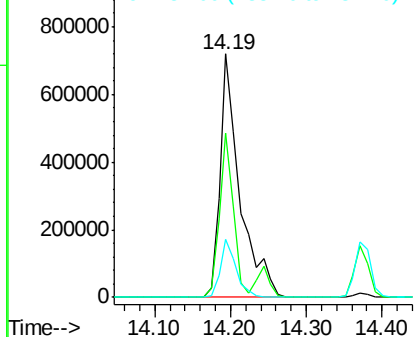
Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.2	102.6
134	23.9	12.0	36.0

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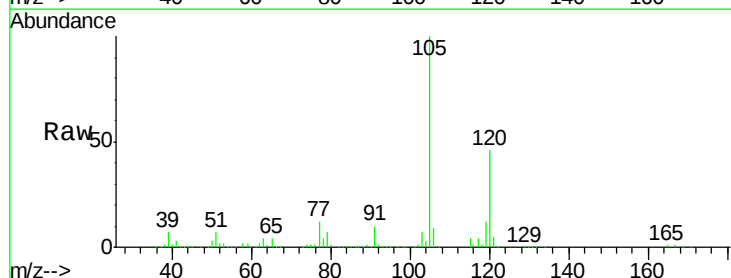


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

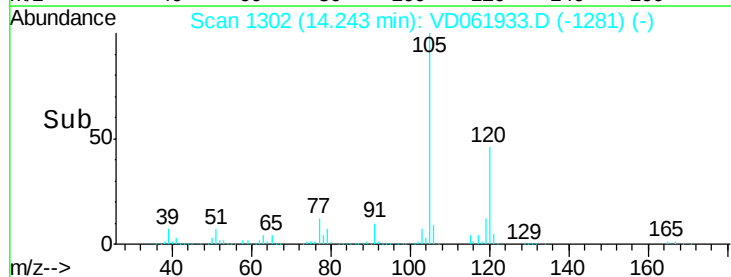
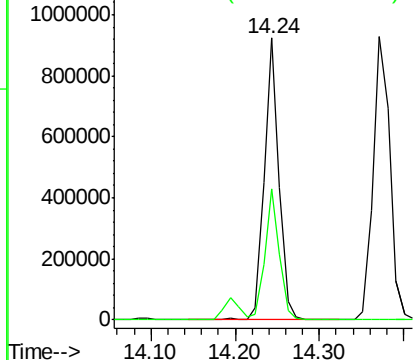


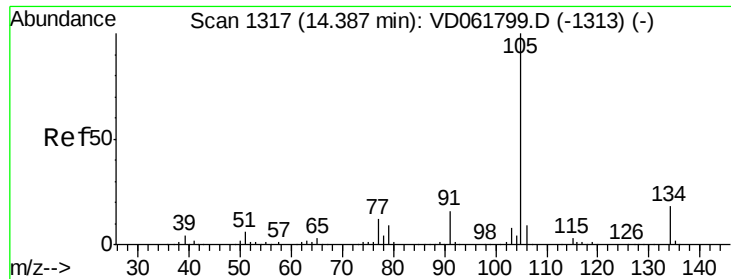
#84
1,2,4-Trimethylbenzene
Concen: 52.373 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.2



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





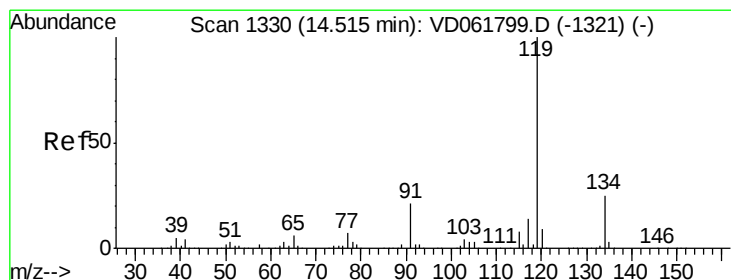
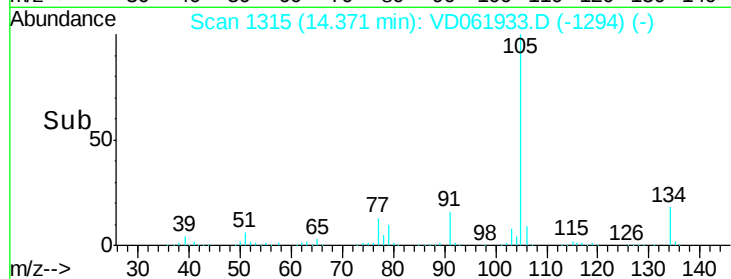
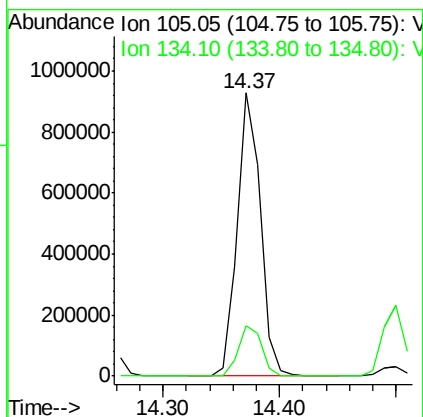
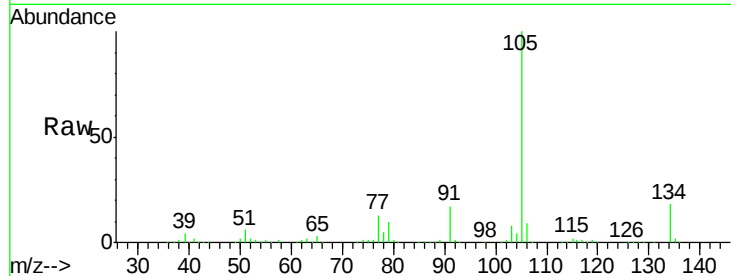
#85
 sec-Butylbenzene
 Concen: 48.193 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 1270943
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.9 26.7

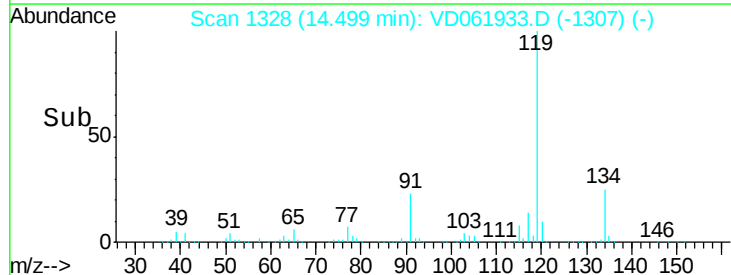
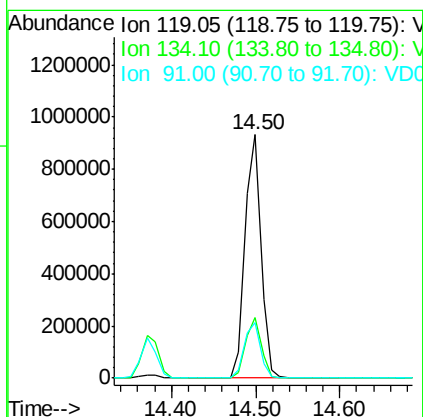
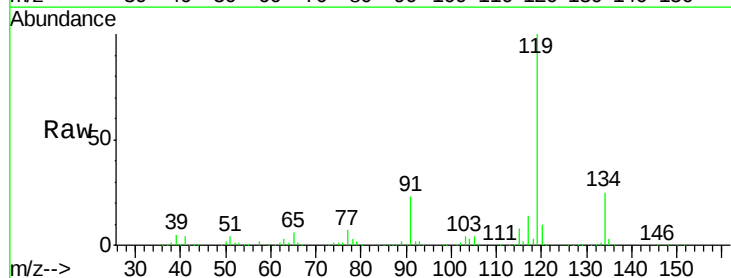
Manual Integrations
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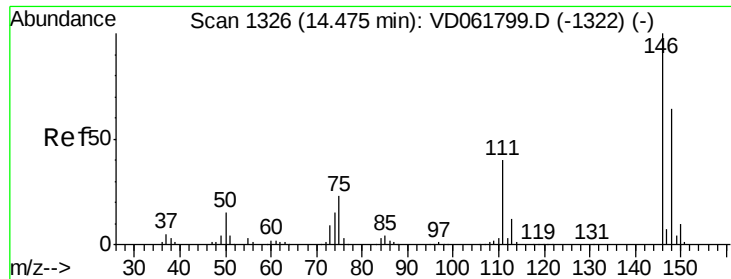
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 4/23/2019 9:22:49 AM



#86
 p-Isopropyltoluene
 Concen: 50.123 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Tgt Ion:119 Resp: 1236773
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.8 38.3
 91 22.9 10.7 32.1





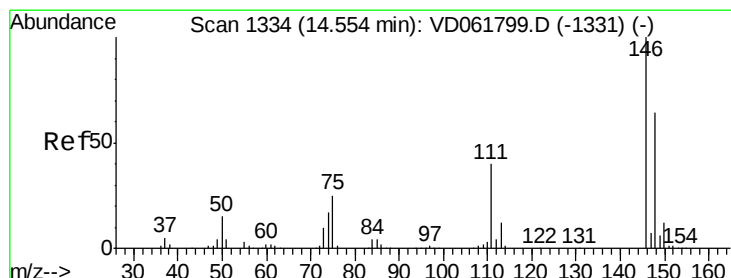
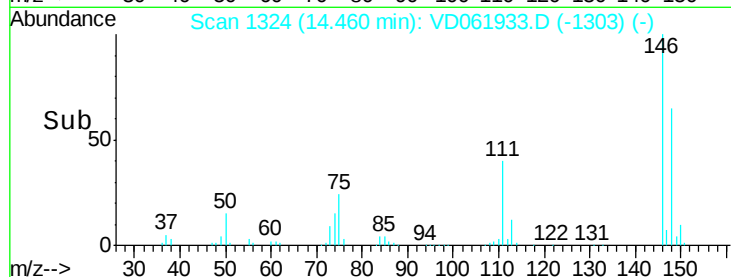
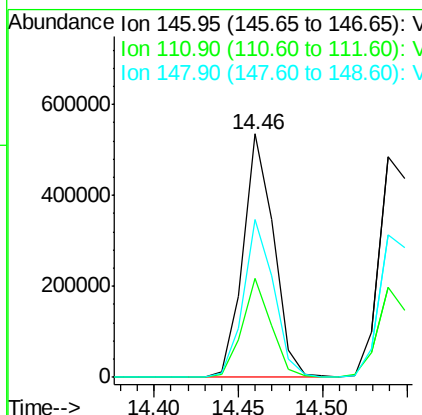
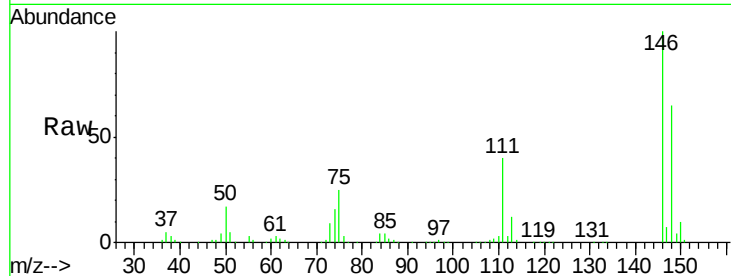
#87
 1,3-Dichlorobenzene
 Concen: 49.758 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	64.8	31.8	95.4

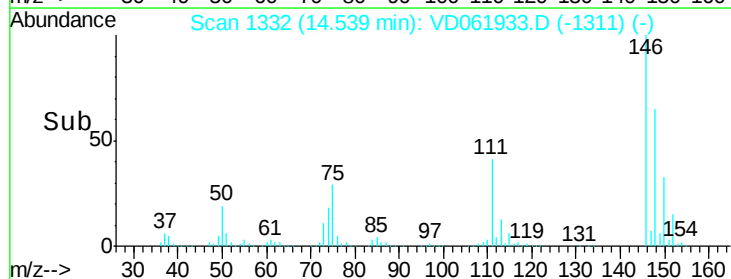
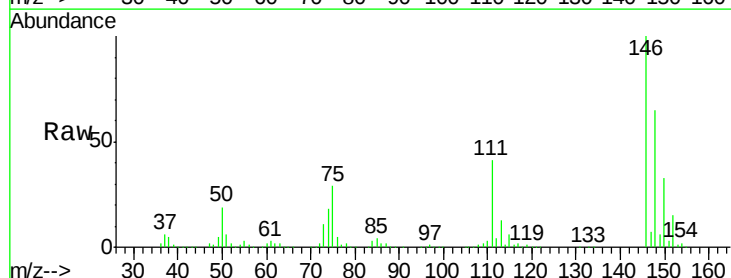
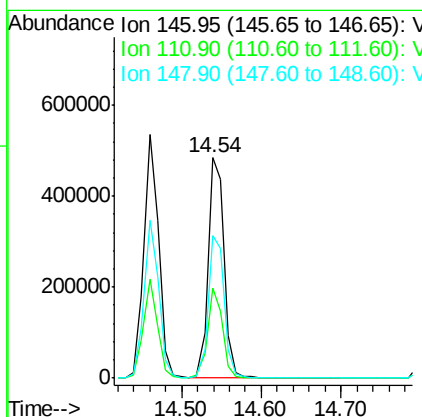
Manual Integrations
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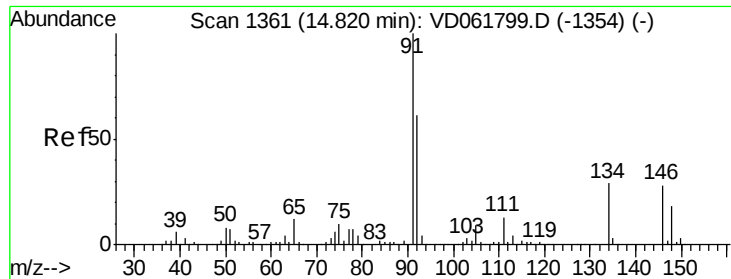
MMDadoda
 4/23/2019 9:22:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.309 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.2	60.5
148	64.6	32.0	96.2





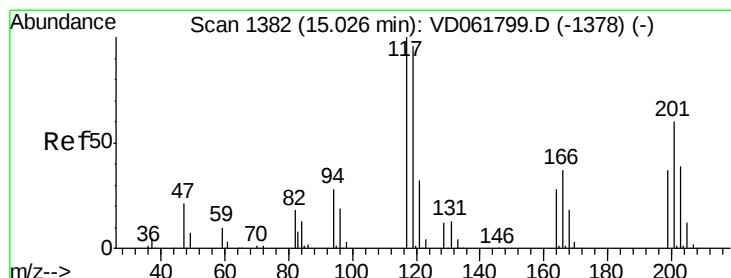
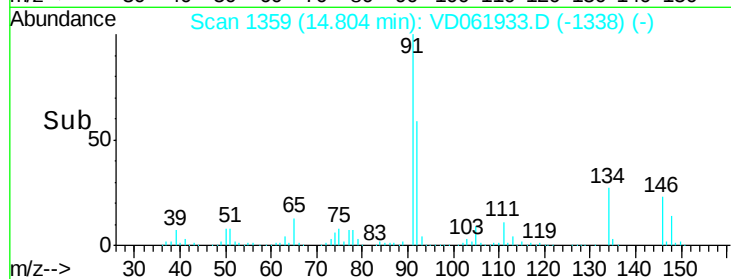
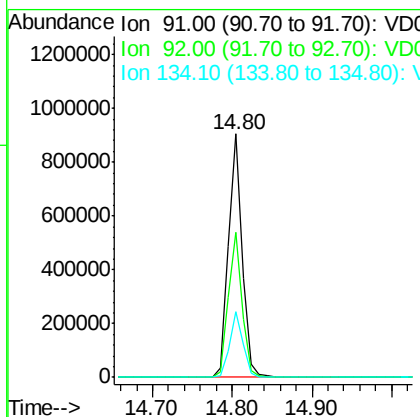
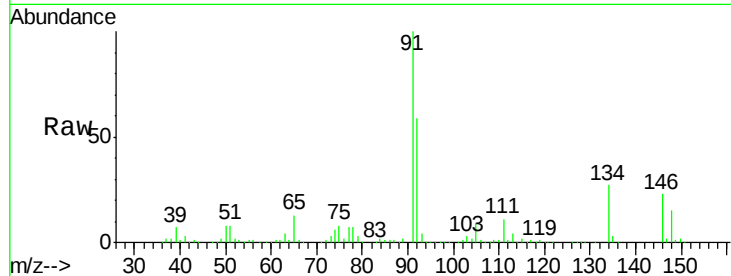
#89
n-Butylbenzene
Concen: 50.723 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1107873
Ion Ratio Lower Upper
91 100
92 59.4 30.3 91.0
134 26.8 14.5 43.6

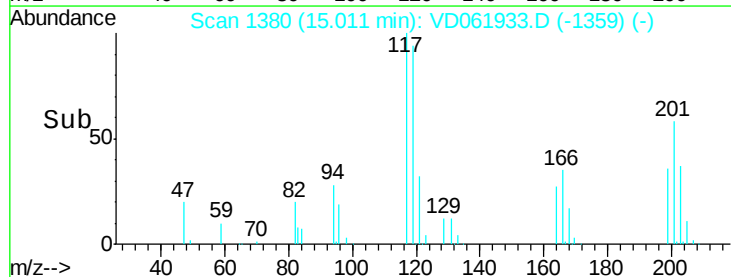
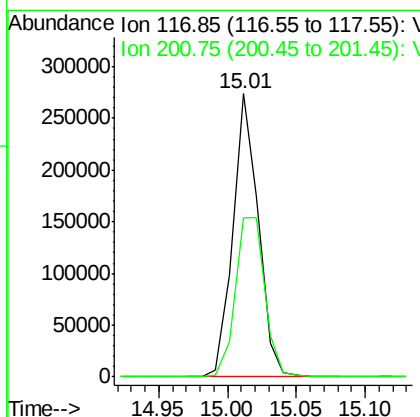
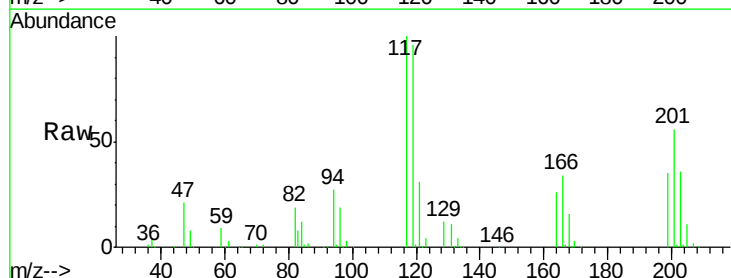
Manual Integrations
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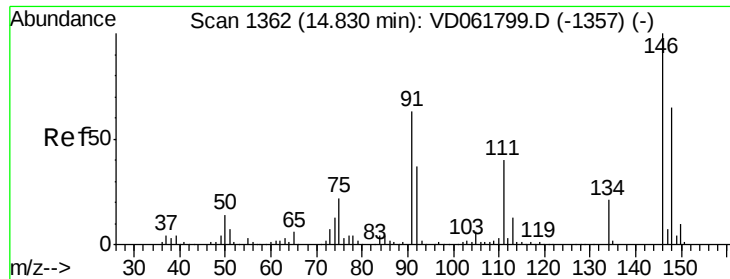
MMDadoda
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#90
Hexachloroethane
Concen: 52.152 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion: 117 Resp: 350743
Ion Ratio Lower Upper
117 100
201 56.2 30.2 90.6





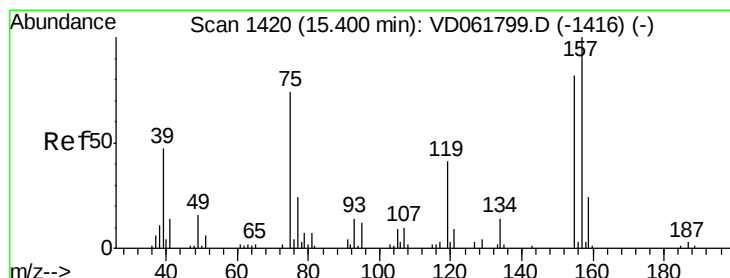
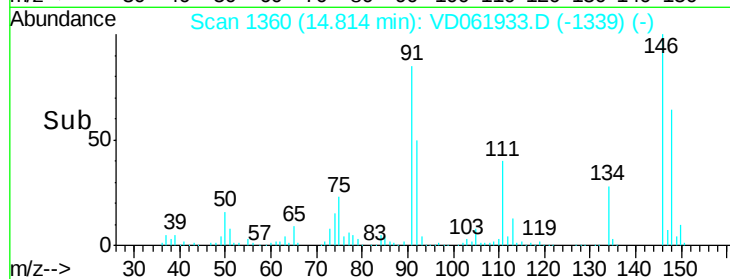
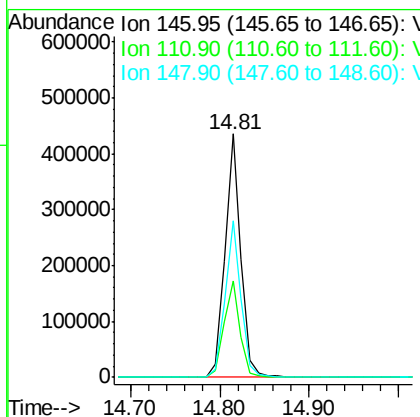
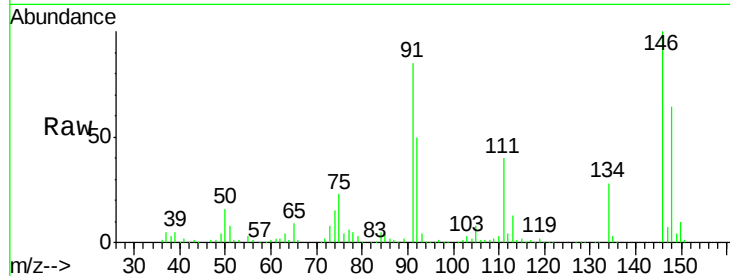
#91
 1,2-Dichlorobenzene
 Concen: 48.255 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	64.4	32.3	96.8

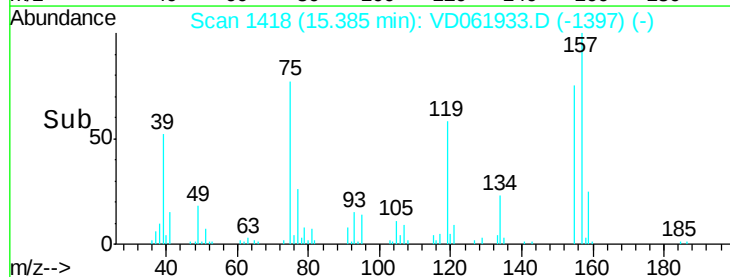
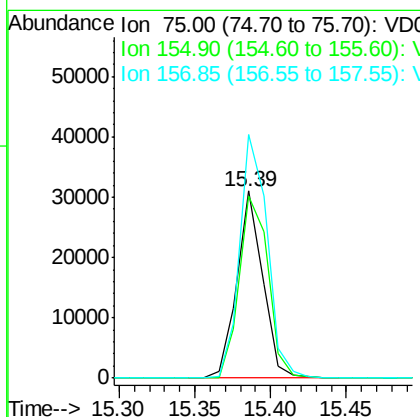
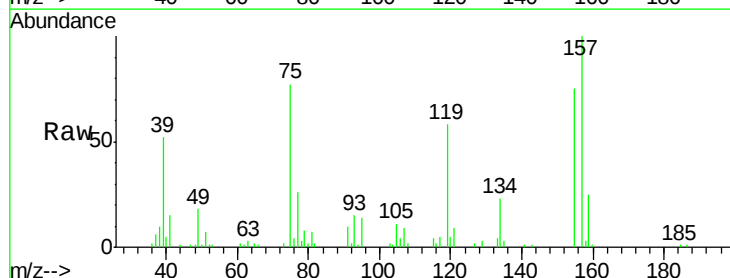
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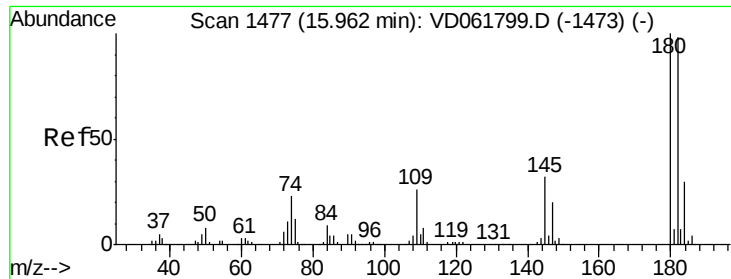
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.550 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	55.3	165.8
157	130.3	67.8	203.2





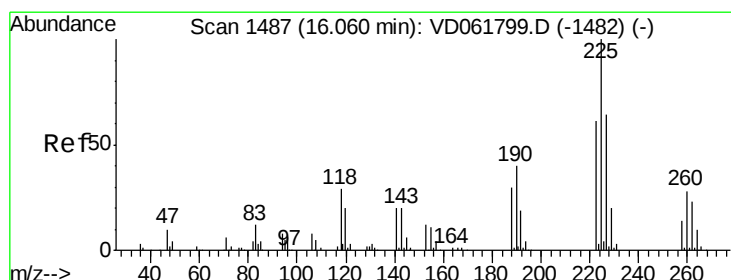
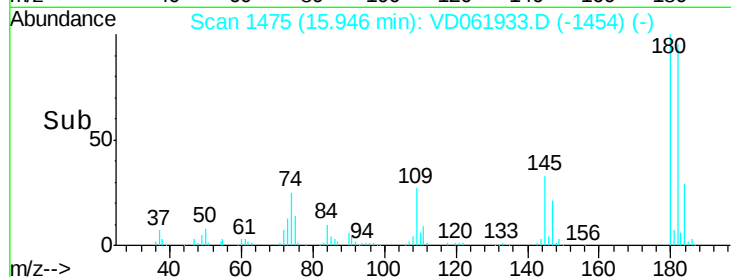
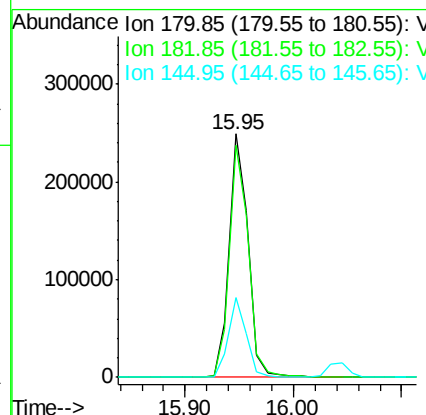
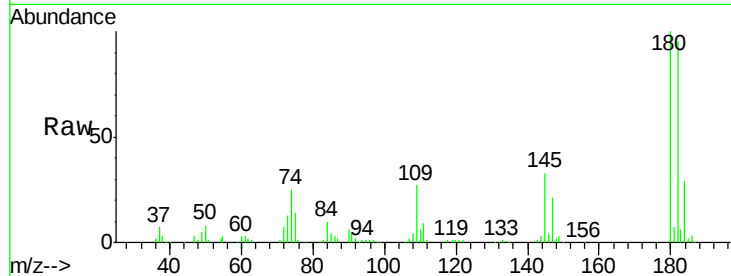
#93
 1,2,4-Trichlorobenzene
 Concen: 48.490 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	49.3	147.8	
145	32.8	16.2	48.6	

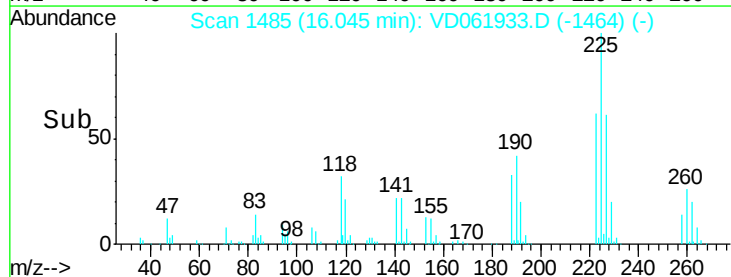
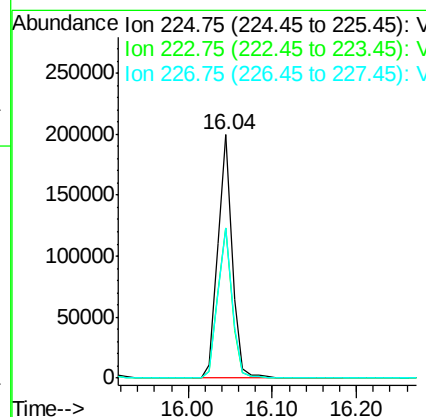
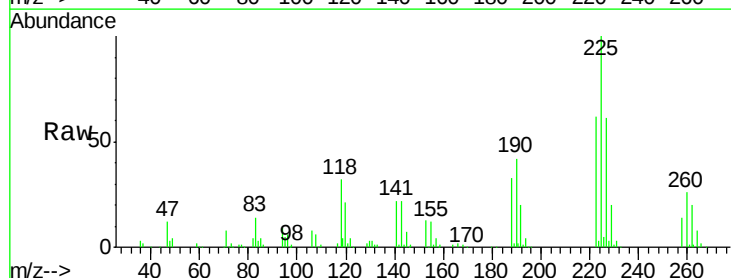
Manual Integrations
 APPROVED

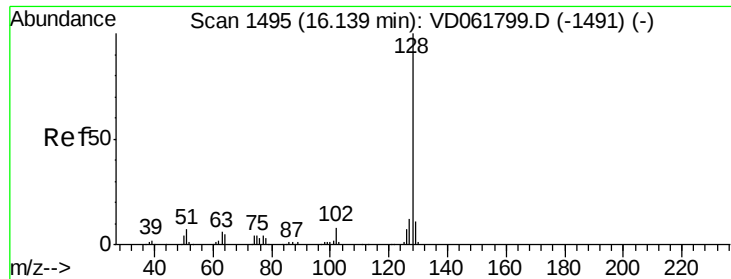
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 4/23/2019 9:22:49 AM



#94
 Hexachlorobutadiene
 Concen: 52.662 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061933.D
 Acq: 22 Apr 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	30.6	92.0	
227	61.4	32.0	96.2	





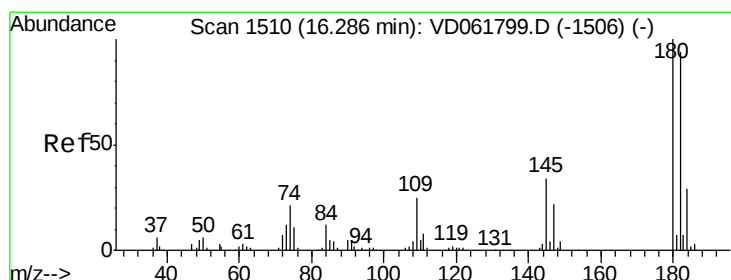
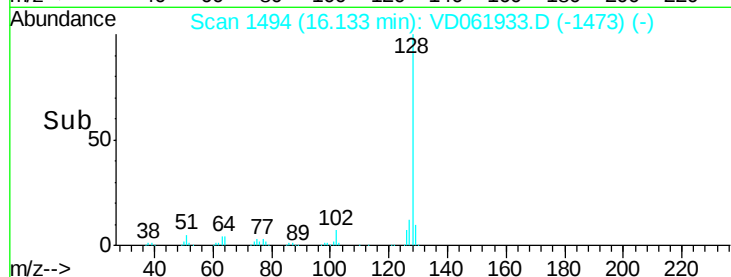
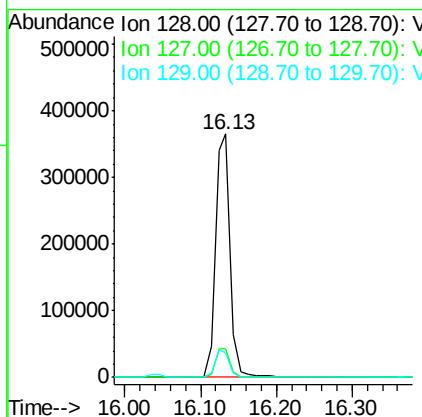
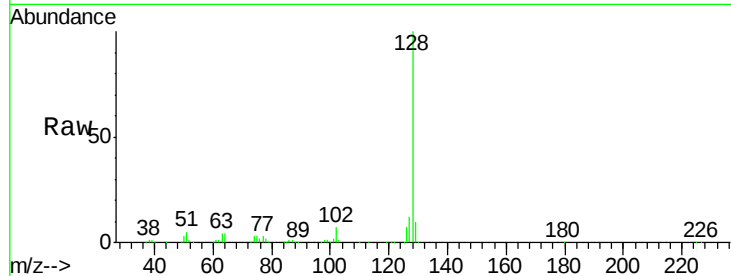
#95
Naphthalene
Concen: 52.137 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	128	Resp:	499214
Ion Ratio	Lower	Upper	
128	100		
127	11.8	9.8	14.8
129	10.1	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 45.973 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.02 min
Lab File: VD061933.D
Acq: 22 Apr 2019 12:16

Tgt Ion:	180	Resp:	163664
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.0	141.0
145	28.1	17.0	51.0

