

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032619\
 Data File : VD061345.D
 Acq On : 26 Mar 2019 20:22
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 12:02:29 PM

Quant Time: Mar 27 09:28:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	727498	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	1206364	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1076747	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	382934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	320973	51.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.28%	
35) Dibromofluoromethane	6.91	113	491546	53.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.40	98	1169486	52.25	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.50%	
62) 4-Bromofluorobenzene	13.55	95	455740	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	397814	53.484	ug/l	95
3) Chloromethane	1.76	50	294315	50.724	ug/l	98
4) Vinyl Chloride	1.85	62	285526	52.629	ug/l	98
5) Bromomethane	2.16	94	68609	62.307	ug/l	98
6) Chloroethane	2.27	64	94834m	55.564	ug/l	
7) Trichlorofluoromethane	2.53	101	438441	54.673	ug/l	99
8) Diethyl Ether	2.87	74	150808	63.247	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	446956	54.758	ug/l	97
10) Methyl Iodide	3.31	142	749614	65.736	ug/l	98
11) Tert butyl alcohol	4.05	59	104362	312.345	ug/l	96
12) 1,1-Dichloroethene	3.13	96	394505	56.170	ug/l	95
13) Acrolein	3.04	56	77928	213.076	ug/l	89
14) Allyl chloride	3.62	41	581644	58.378	ug/l	98
15) Acrylonitrile	4.19	53	365279	310.862	ug/l	97
16) Acetone	3.21	43	399988	266.421	ug/l	97
17) Carbon Disulfide	3.38	76	1265504	54.253	ug/l	99
18) Methyl Acetate	3.64	43	172536	60.799	ug/l	95
19) Methyl tert-butyl Ether	4.23	73	735845	59.491	ug/l	99
20) Methylene Chloride	3.81	84	439250	51.549	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	448517	57.083	ug/l	95
22) Diisopropyl ether	5.11	45	1243157	59.230	ug/l	98
23) Vinyl Acetate	5.04	43	3307578	295.059	ug/l	99
24) 1,1-Dichloroethane	4.97	63	703682	57.533	ug/l	99
25) 2-Butanone	6.06	43	539128	310.467	ug/l	96
26) 2,2-Dichloropropane	6.02	77	560346	53.954	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	507594	60.031	ug/l	98
28) Bromochloromethane	6.42	49	288642	56.382	ug/l	99
29) Tetrahydrofuran	6.44	42	269927	312.290	ug/l	99
30) Chloroform	6.65	83	766335	58.797	ug/l	100
31) Cyclohexane	6.94	56	556014	56.009	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	615336	53.306	ug/l	97
36) 1,1-Dichloropropene	7.13	75	512969	51.973	ug/l	98
37) Ethyl Acetate	6.17	43	259476m	62.941	ug/l	
38) Carbon Tetrachloride	7.10	117	583682m	51.742	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	618591	60.515	ug/l	97
40) Benzene	7.45	78	1489828	60.778	ug/l	99
41) Methacrylonitrile	6.42	41	297858	62.176	ug/l #	89
42) 1,2-Dichloroethane	7.56	62	447214	58.539	ug/l	100
43) Isopropyl Acetate	9.23	43	362989	61.066	ug/l	99
44) Trichloroethene	8.53	130	499394	56.332	ug/l	98
45) 1,2-Dichloropropane	8.92	63	351475	58.095	ug/l	99
46) Dibromomethane	9.05	93	249255	60.105	ug/l	93
47) Bromodichloromethane	9.36	83	555302	57.130	ug/l	99
48) Methyl methacrylate	9.11	41	187815	59.199	ug/l	98
49) 1,4-Dioxane	9.06	88	44104	1266.991	ug/l #	94
51) 4-Methyl-2-Pentanone	10.29	43	1105932	312.539	ug/l	97
52) Toluene	10.50	92	877412	58.499	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	535233	63.362	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	602005	58.362	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	273394	54.904	ug/l	98
56) Ethyl methacrylate	11.03	69	341401	64.251	ug/l	98
57) 1,3-Dichloropropane	11.39	76	418364	55.631	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	670122	242.417	ug/l	99
59) 2-Hexanone	11.52	43	766628	298.298	ug/l	98
60) Dibromochloromethane	11.67	129	459336	58.896	ug/l	99
61) 1,2-Dibromoethane	11.79	107	356080	61.202	ug/l	100
64) Tetrachloroethene	11.25	164	409328	55.185	ug/l	97
65) Chlorobenzene	12.39	112	1071184	54.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	423700	55.103	ug/l	98
67) Ethyl Benzene	12.52	91	1584050	52.189	ug/l	99
68) m/p-Xylenes	12.66	106	1261217	106.450	ug/l	96
69) o-Xylene	13.04	106	523954	47.682	ug/l	99
70) Styrene	13.07	104	932454	50.001	ug/l	97
71) Bromoform	13.22	173	266346	56.605	ug/l	98
73) Isopropylbenzene	13.39	105	1570895	63.070	ug/l	97
74) N-amyl acetate	13.25	43	458687	70.390	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	322658	66.803	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	346516	72.763	ug/l	97
77) Bromobenzene	13.66	156	433622	62.327	ug/l	94
78) n-propylbenzene	13.77	91	1893791	67.394	ug/l	95
79) 2-Chlorotoluene	13.83	91	1033927	63.195	ug/l	95
80) 1,3,5-Trimethylbenzene	14.23	105	1186978	60.410	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	108661	72.300	ug/l	99
82) 4-Chlorotoluene	13.94	91	1065338	59.562	ug/l	93
83) tert-Butylbenzene	14.18	119	1430530	63.765	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	1186978	60.410	ug/l	99
85) sec-Butylbenzene	14.36	105	1651335	66.095	ug/l	97
86) p-Isopropyltoluene	14.48	119	1181510	53.006	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	789055	63.985	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	713311	59.713	ug/l	97
89) n-Butylbenzene	14.79	91	1254067	63.370	ug/l	97
90) Hexachloroethane	15.00	117	390657	65.368	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	660871	67.162	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	42752	70.835	ug/l	71

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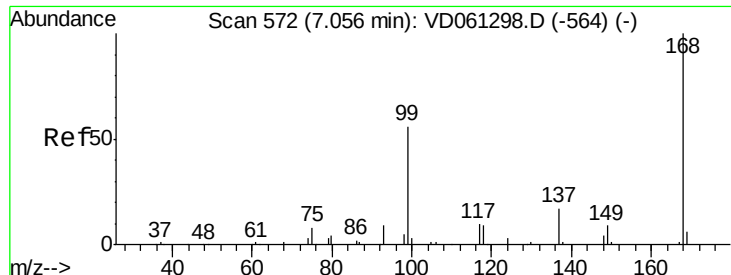
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	332121	73.082	ug/l	98
94) Hexachlorobutadiene	16.03	225	252519	68.961	ug/l	98
95) Naphthalene	16.12	128	531189	80.108	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	158719	74.778	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 727498

Ion Ratio Lower Upper

168 100

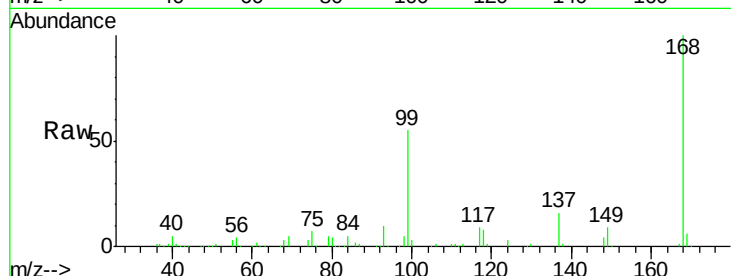
99 55.0 45.8 68.8

Manual Integrations

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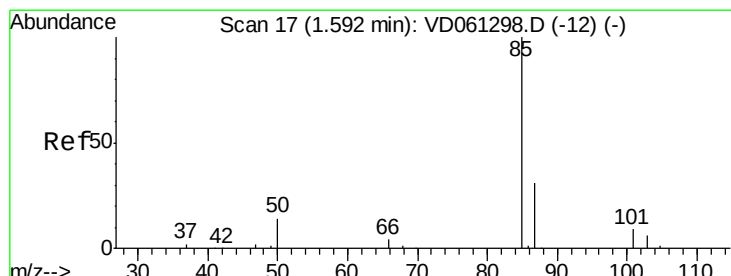
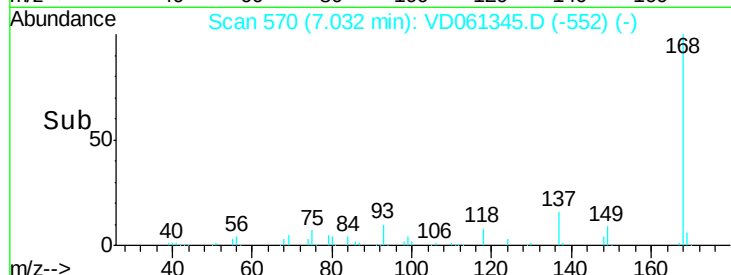
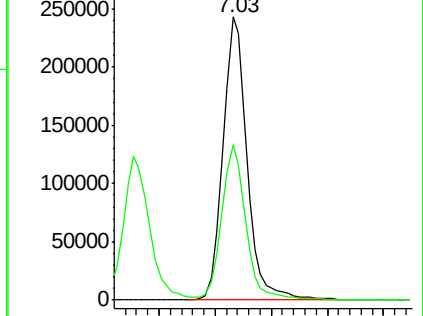
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 53.484 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.00 min

Lab File: VD061345.D

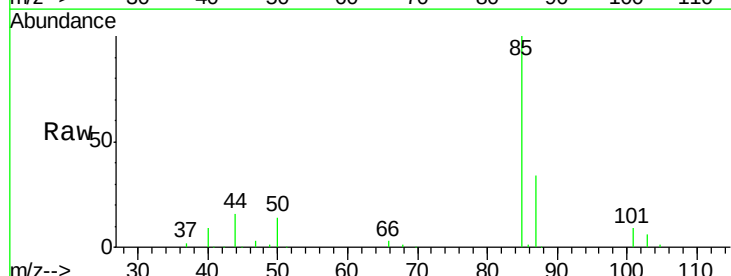
Acq: 26 Mar 2019 20:22

Tgt Ion: 85 Resp: 397814

Ion Ratio Lower Upper

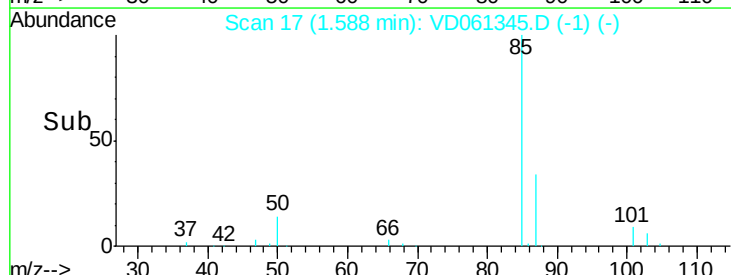
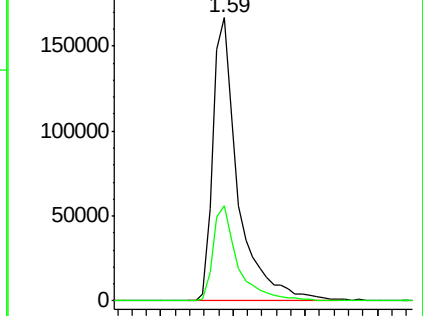
85 100

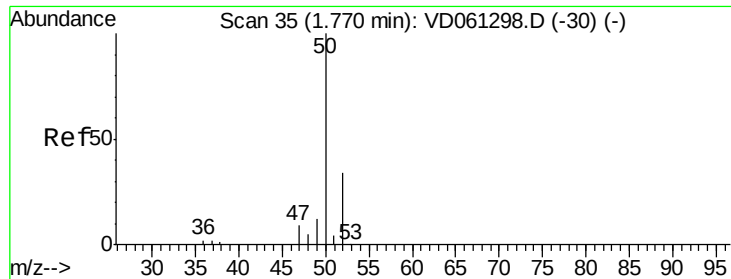
87 33.6 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.724 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 294315

Ion Ratio Lower Upper

50 100

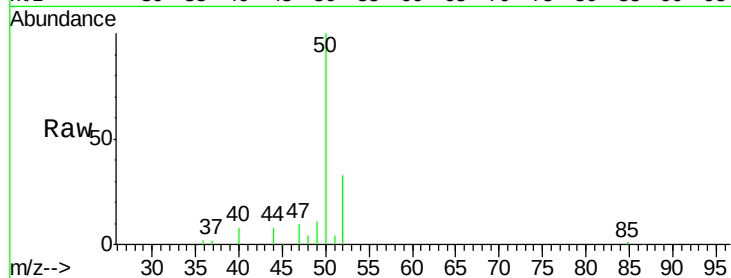
52 32.5 27.1 40.7

Manual Integrations

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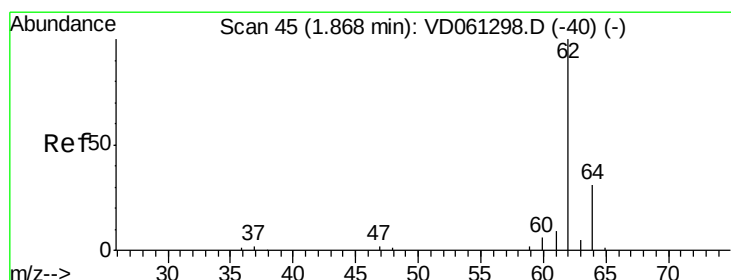
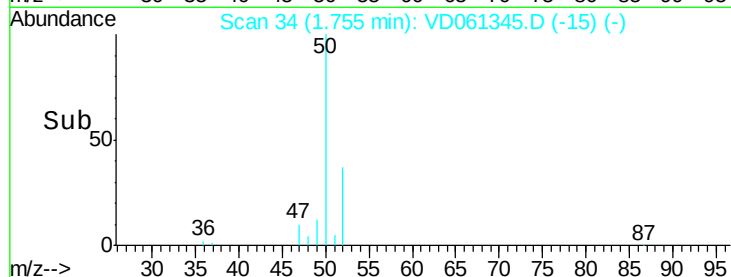
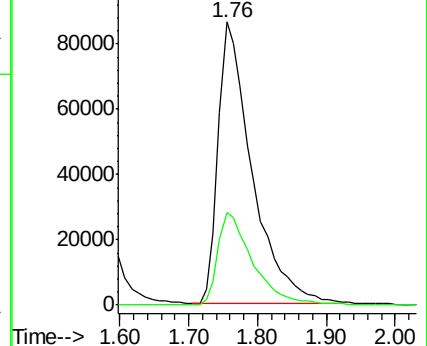
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 52.629 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061345.D

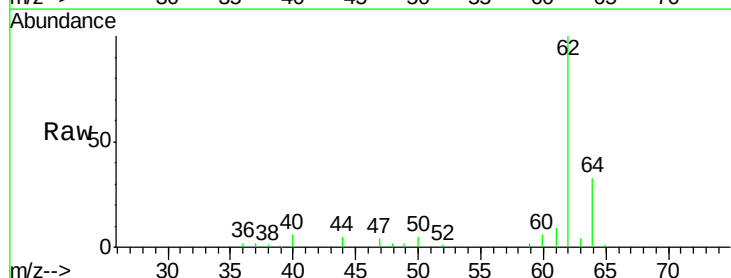
Acq: 26 Mar 2019 20:22

Tgt Ion: 62 Resp: 285526

Ion Ratio Lower Upper

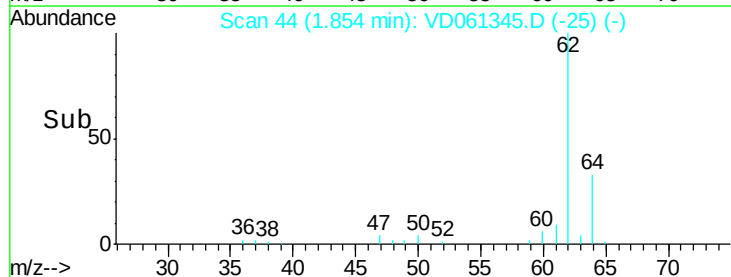
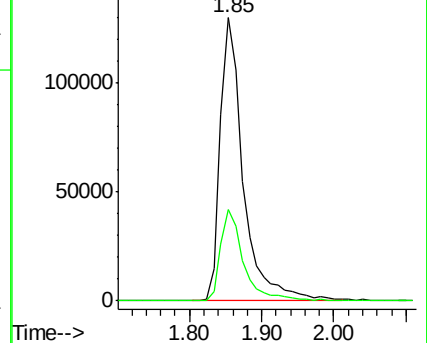
62 100

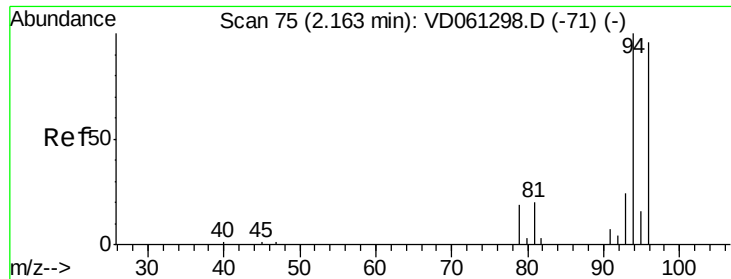
64 32.5 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 62.307 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.00 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

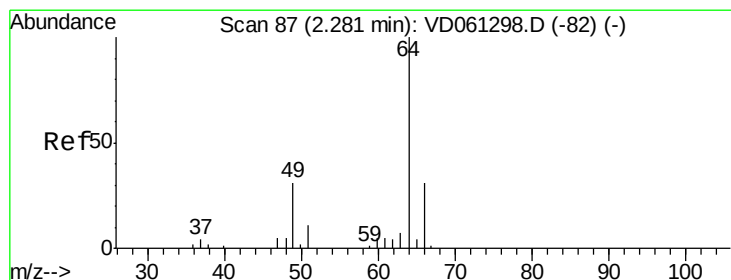
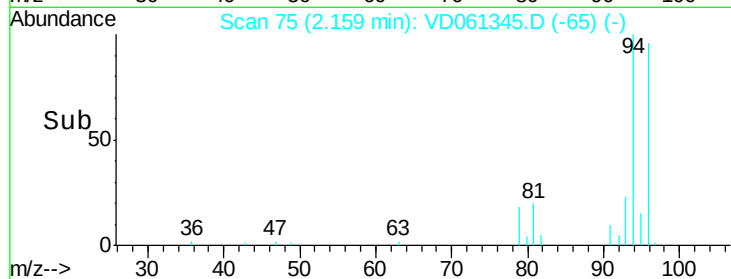
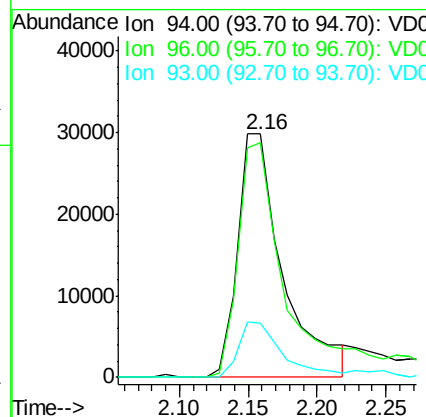
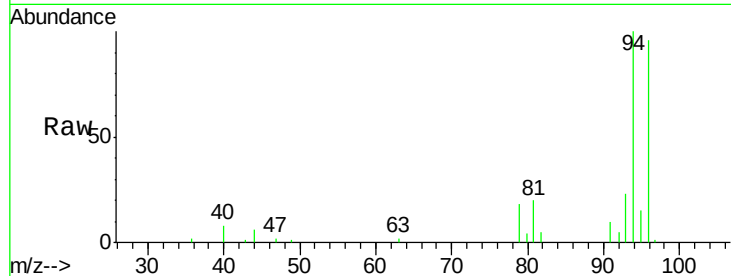
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	68609
Ion	Ratio	Lower	Upper
94	100		
96	97.8	76.9	115.3
93	22.5	18.8	28.2

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#6

Chloroethane

Concen: 55.564 ug/l m

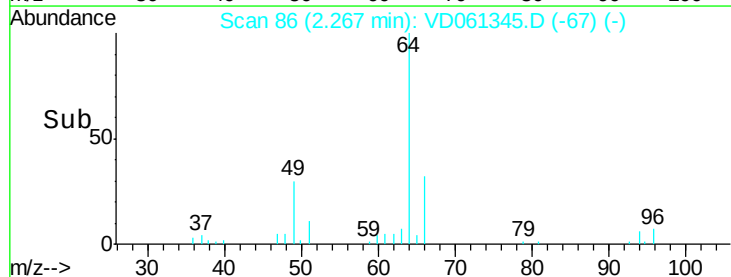
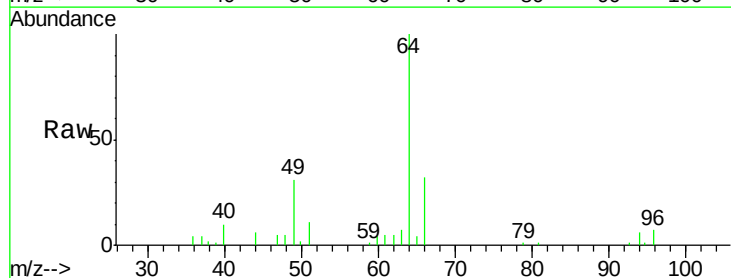
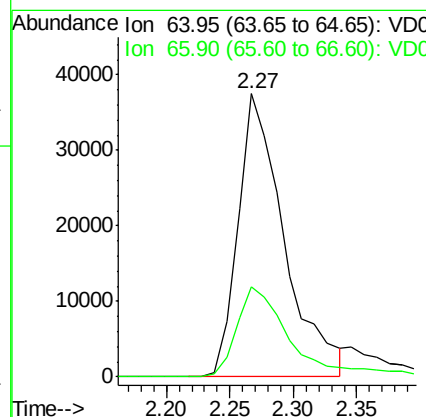
RT: 2.27 min Scan# 86

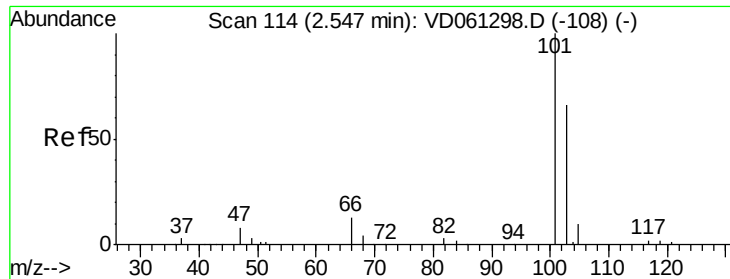
Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Tgt Ion:	64	Resp:	94834
Ion	Ratio	Lower	Upper
64	100		
66	32.0	24.6	36.8





#7

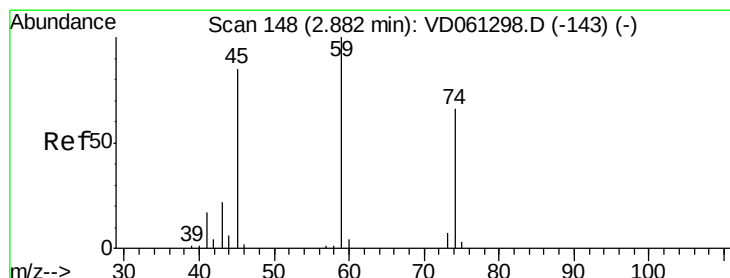
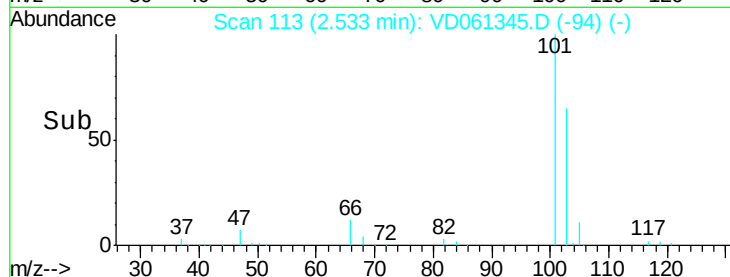
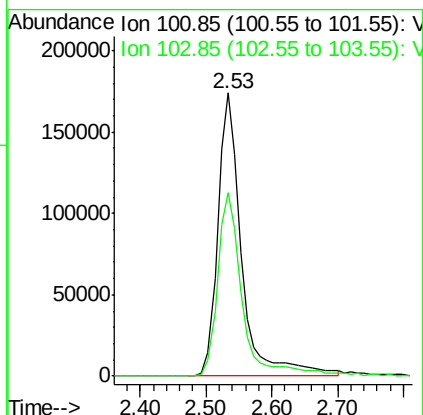
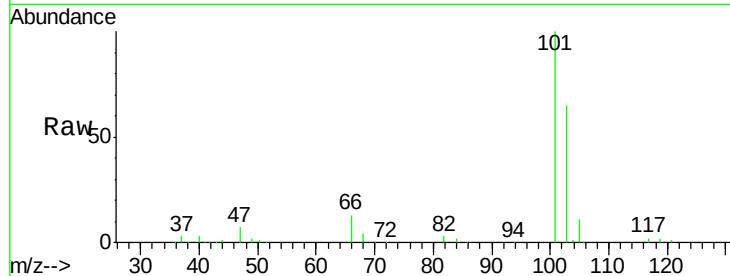
Trichlorofluoromethane
Concen: 54.673 ug/l
RT: 2.53 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

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Tot Ion: 101 Resp: 438441
Ion Ratio Lower Upper
101 100
103 65.1 52.6 79.0

Manual Integrations
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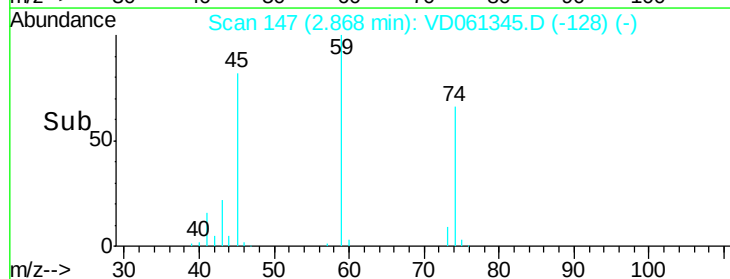
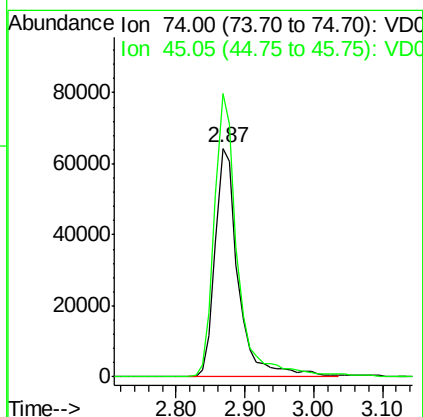
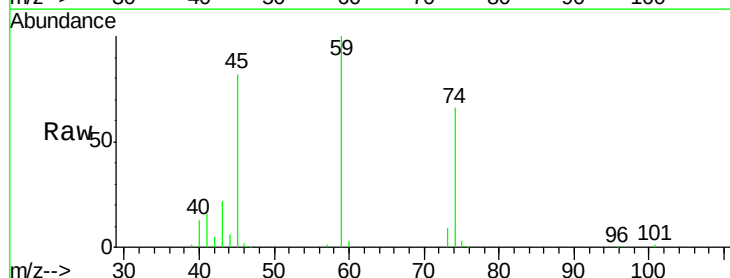
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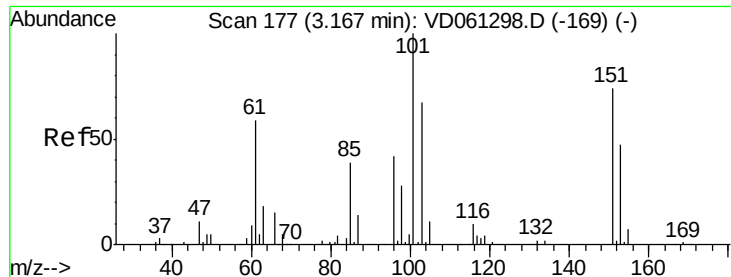


#8

Diethyl Ether
Concen: 63.247 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion: 74 Resp: 150808
Ion Ratio Lower Upper
74 100
45 123.9 64.3 192.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.758 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

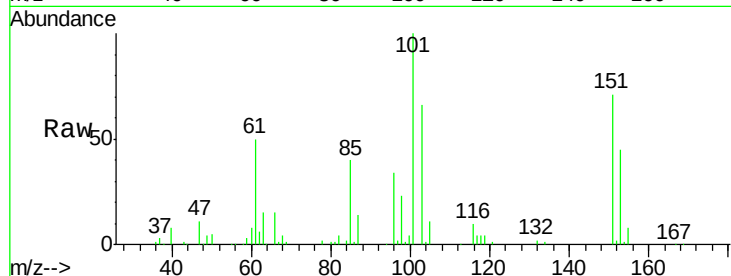
ClientSampleId :

VSTDCCC050EC

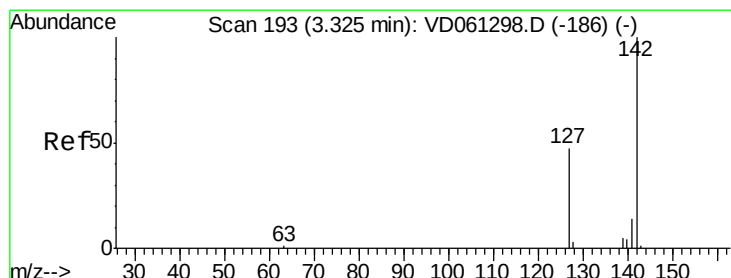
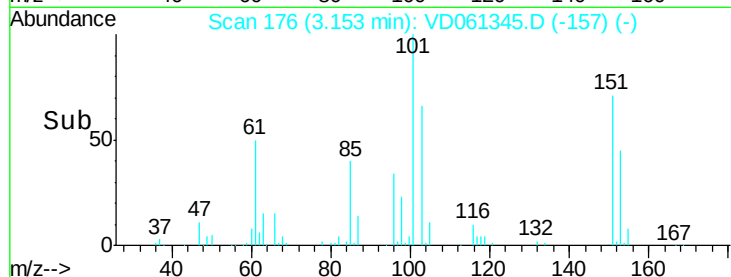
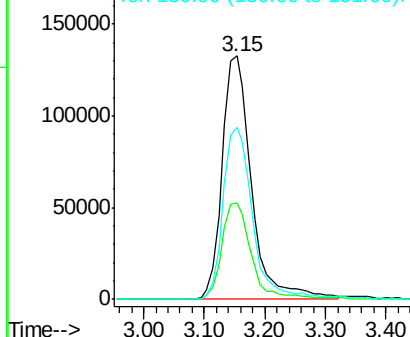
Tot Ion:	101	Resp:	446956
Ion Ratio	Lower	Upper	
101	100		
85	39.8	31.6	47.4
151	70.7	59.3	88.9

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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: 65.736 ug/l

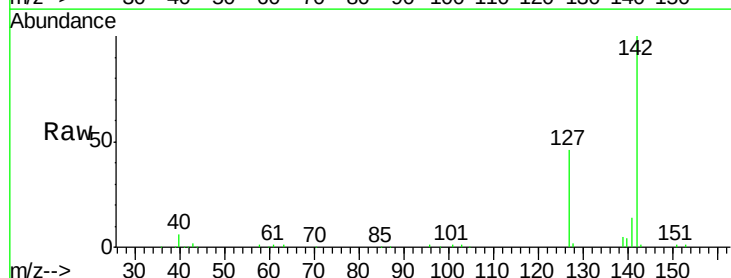
RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

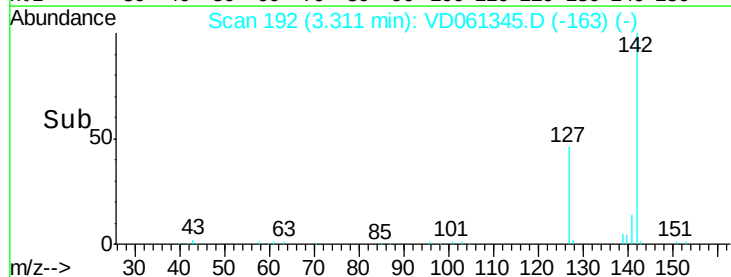
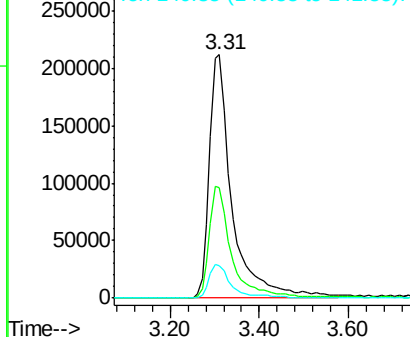
Lab File: VD061345.D

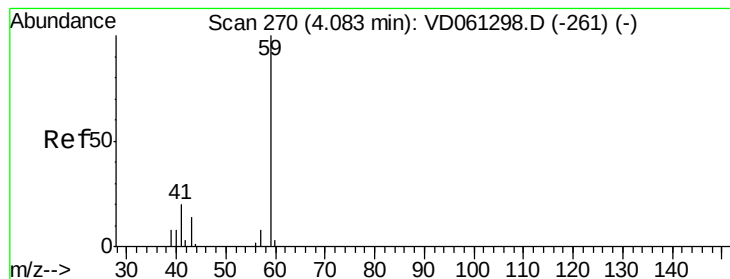
Acq: 26 Mar 2019 20:22

Tgt Ion:	142	Resp:	749614
Ion Ratio	Lower	Upper	
142	100		
127	45.5	37.8	56.6
141	13.6	11.6	17.4



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

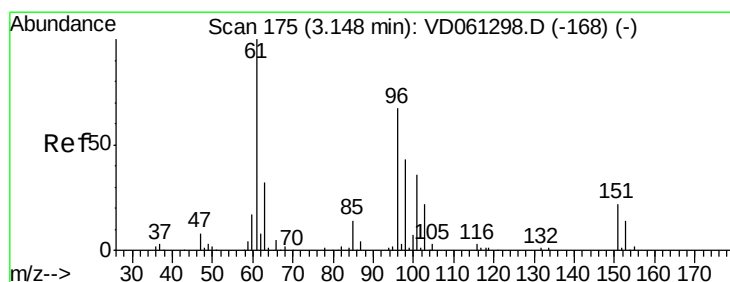
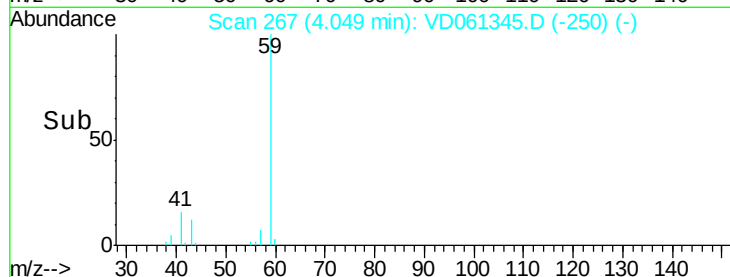
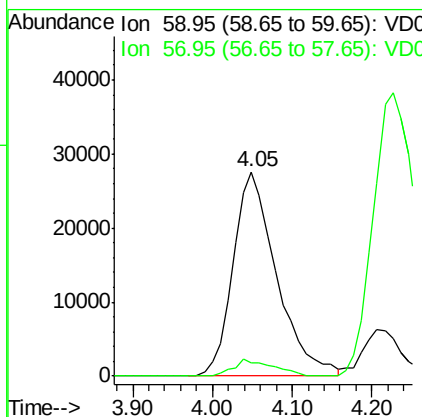
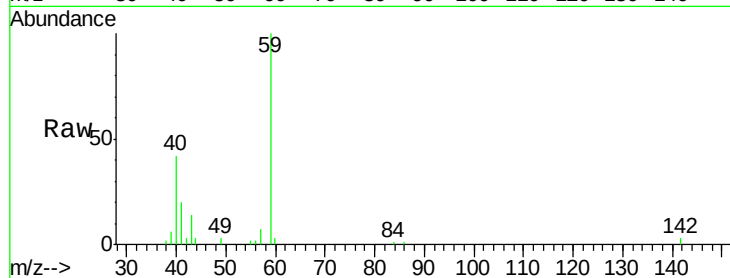
Tert butyl alcohol
Concen: 312.345 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.03 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 104362
Ion Ratio Lower Upper
59 100
57 6.8 6.6 9.8

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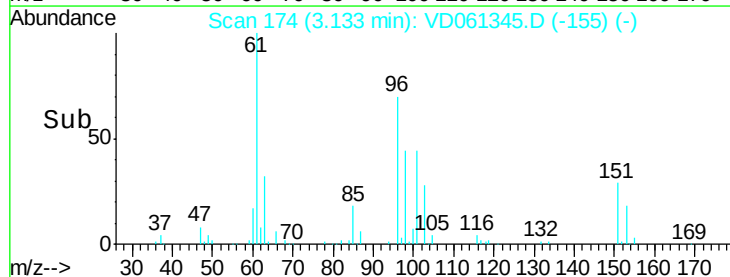
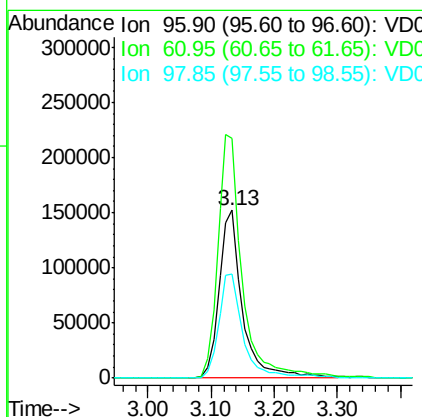
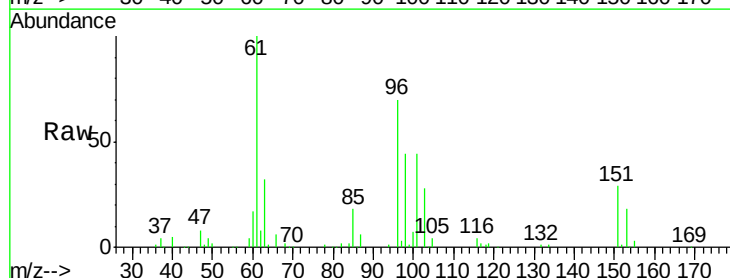
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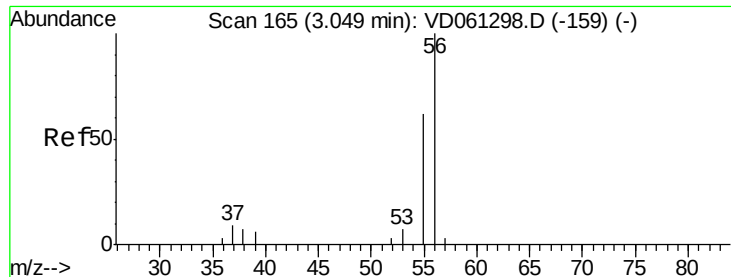


#12

1,1-Dichloroethene
Concen: 56.170 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion: 96 Resp: 394505
Ion Ratio Lower Upper
96 100
61 142.7 120.2 180.2
98 62.1 52.2 78.4





#13

Acrolein

Concen: 213.076 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 77928

Ion Ratio Lower Upper

56 100

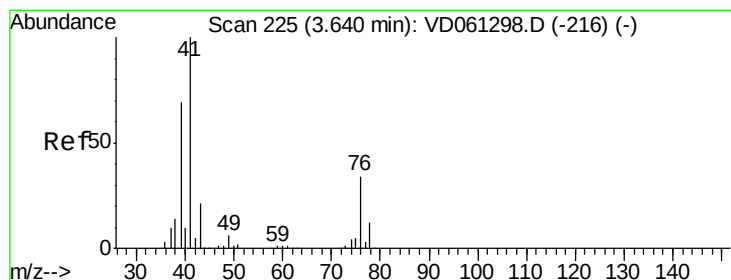
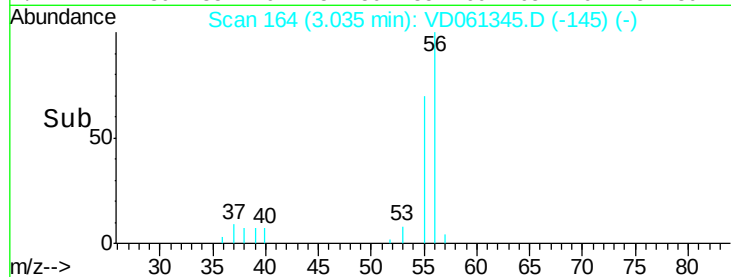
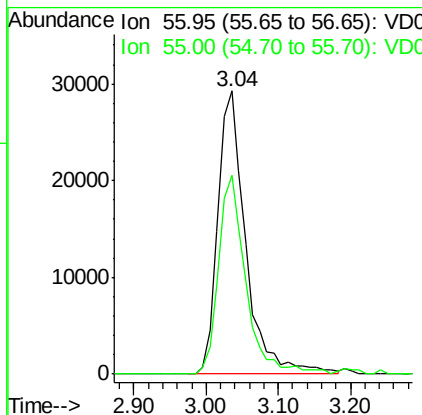
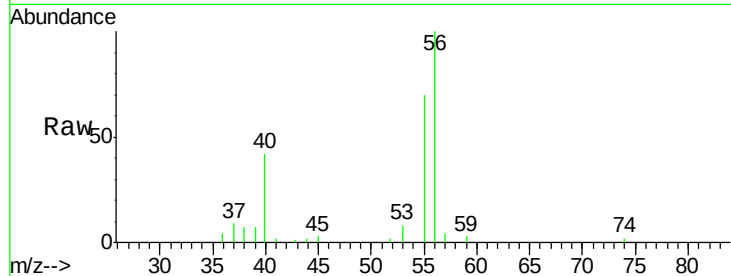
55 70.4 49.8 74.6

Manual Integrations

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#14

Allyl chloride

Concen: 58.378 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

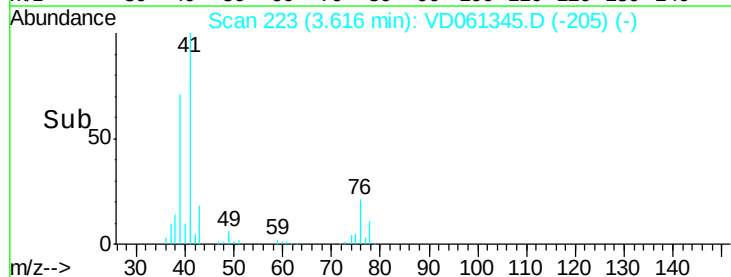
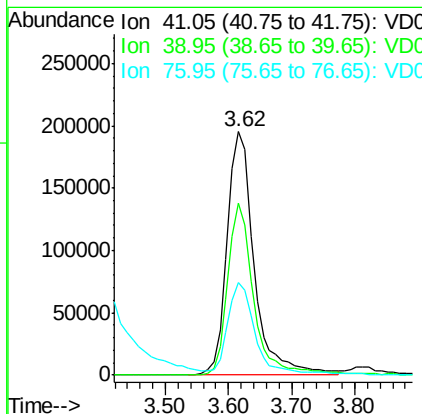
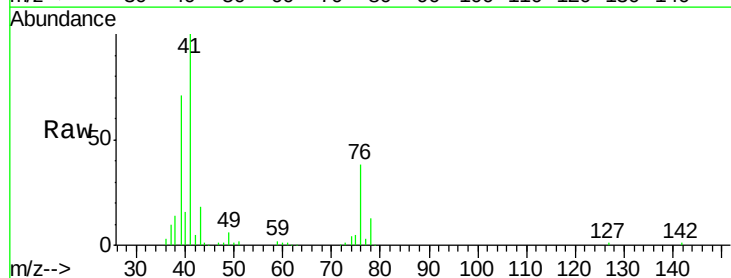
Tgt Ion: 41 Resp: 581644

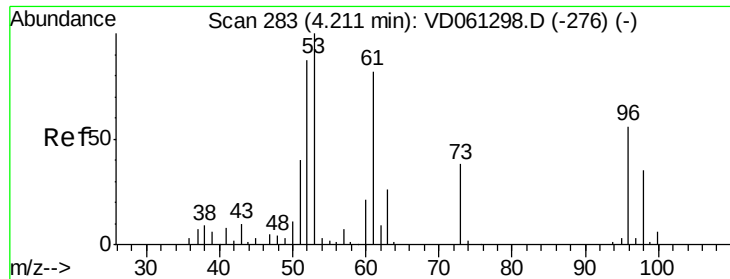
Ion Ratio Lower Upper

41 100

39 70.7 55.1 82.7

76 38.2 30.2 45.2





#15

Acrylonitrile

Concen: 310.862 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

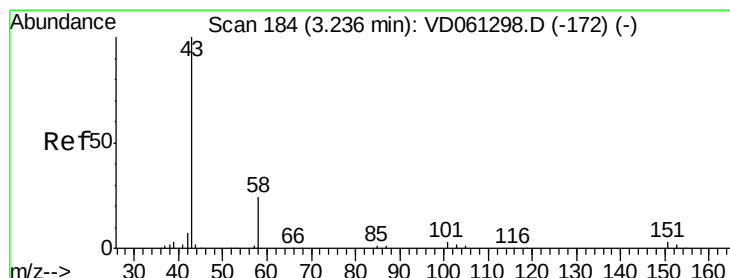
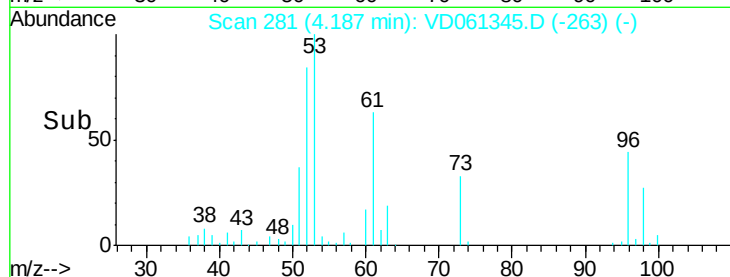
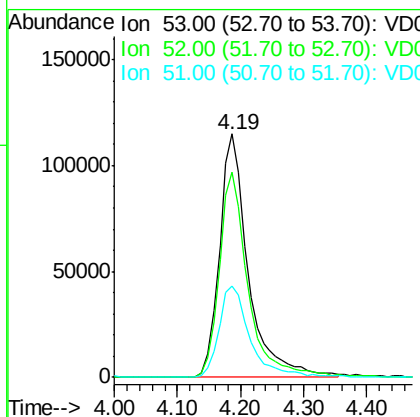
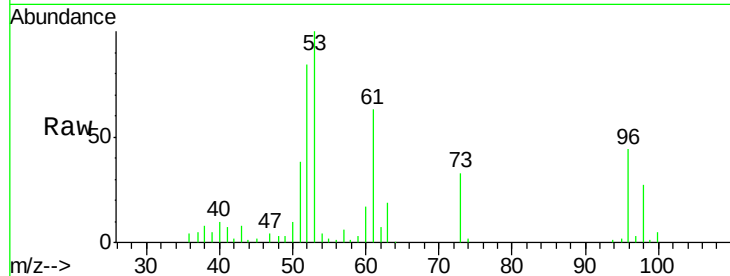
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	365279
Ion	Ratio	Lower	Upper
53	100		
52	84.5	69.4	104.2
51	37.7	31.7	47.5

Manual Integrations
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#16

Acetone

Concen: 266.421 ug/l

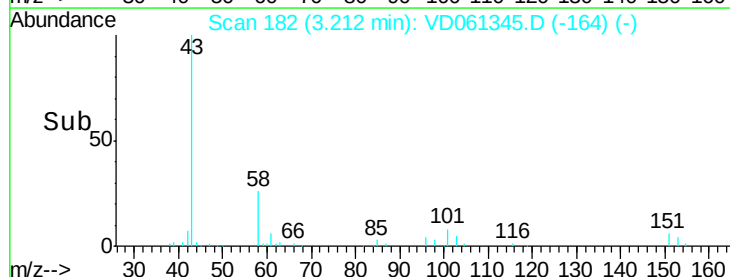
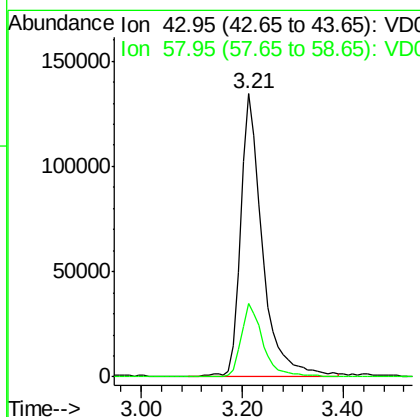
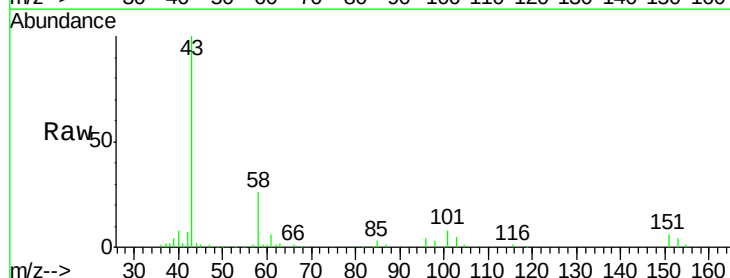
RT: 3.21 min Scan# 182

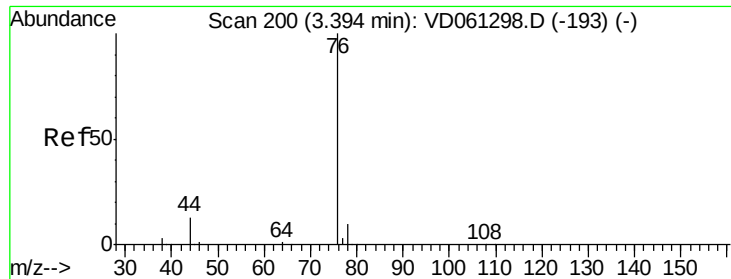
Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Tgt Ion:	43	Resp:	399988
Ion	Ratio	Lower	Upper
43	100		
58	25.9	19.4	29.0





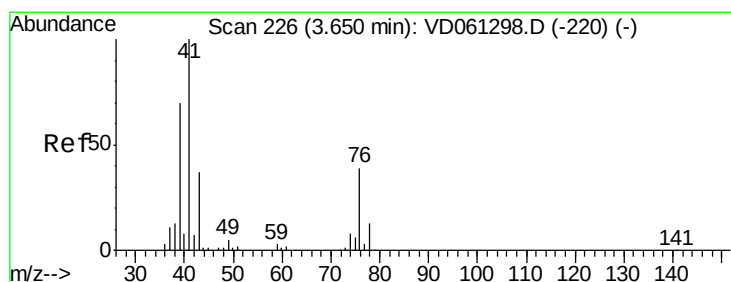
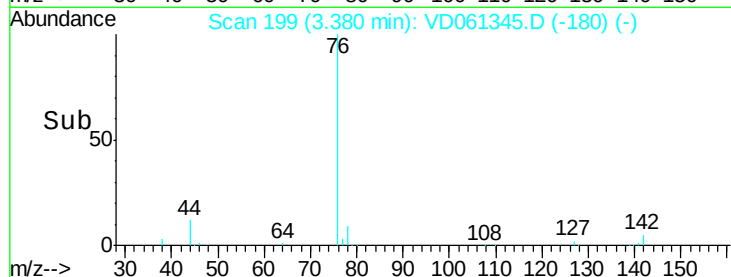
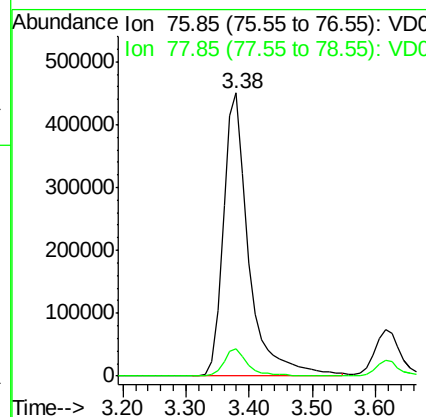
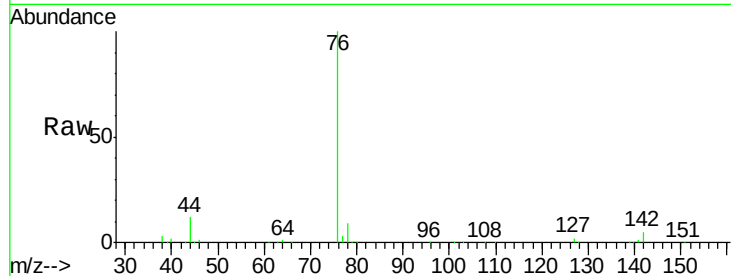
#17
Carbon Disulfide
Concen: 54.253 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1265504
Ion Ratio Lower Upper
76 100
78 9.5 7.8 11.6

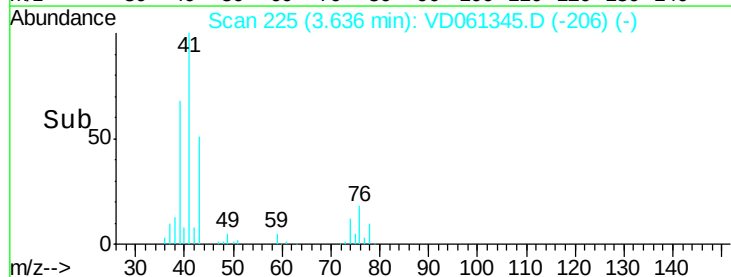
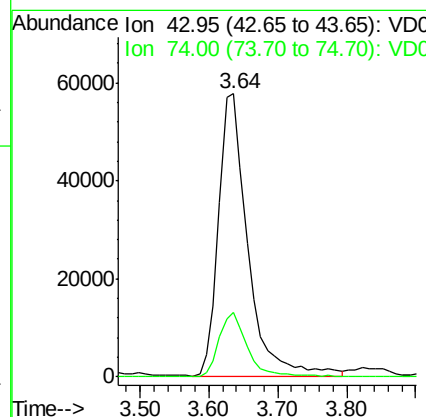
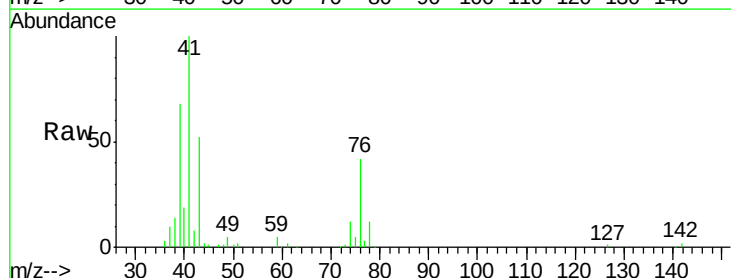
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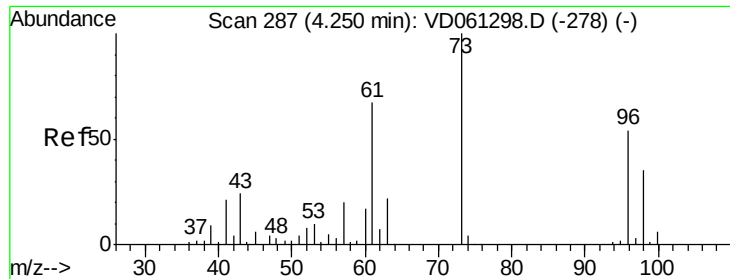
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#18
Methyl Acetate
Concen: 60.799 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion: 43 Resp: 172536
Ion Ratio Lower Upper
43 100
74 23.0 16.6 25.0





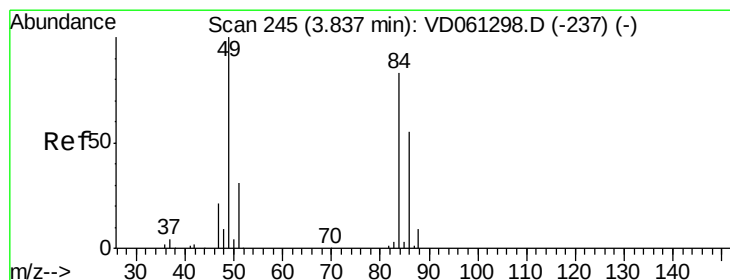
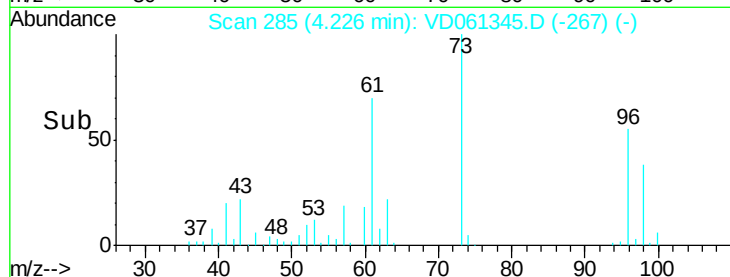
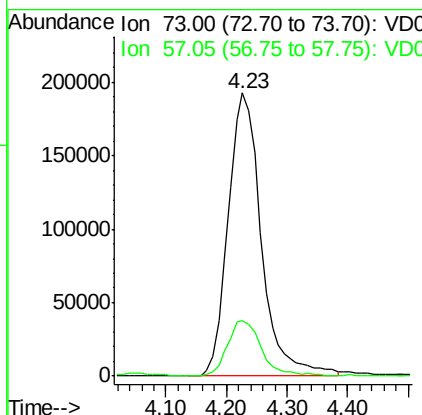
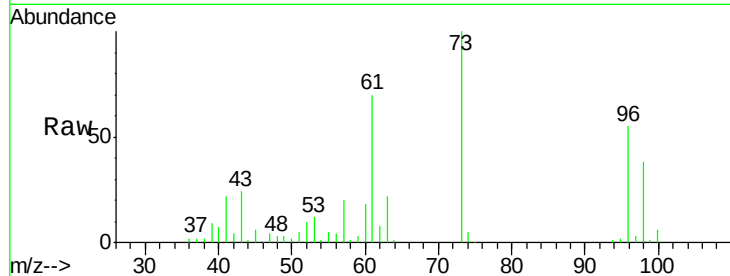
#19
Methyl tert-butyl Ether
Concen: 59.491 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.02 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 735845
Ion Ratio Lower Upper
73 100
57 19.8 16.3 24.5

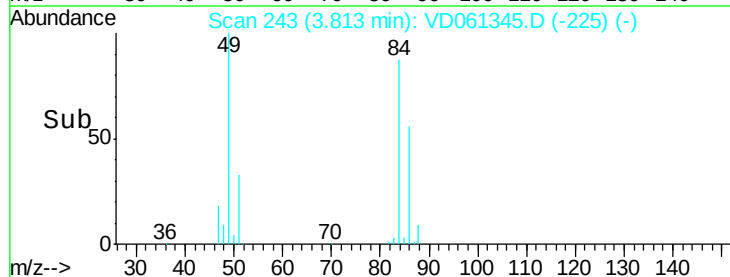
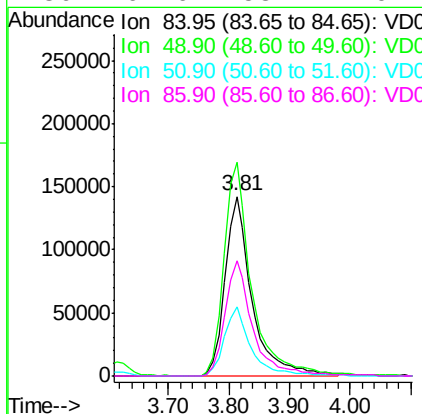
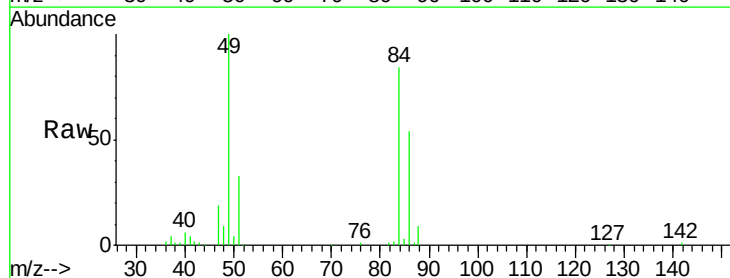
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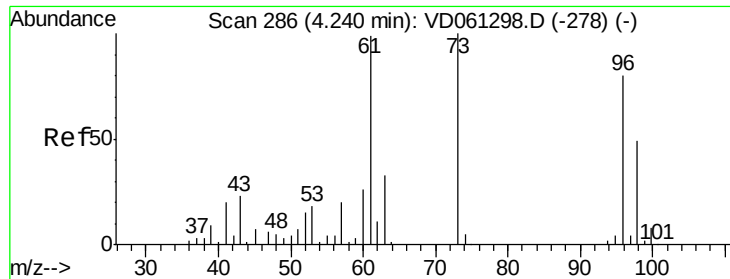
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#20
Methylene Chloride
Concen: 51.549 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.02 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion: 84 Resp: 439250
Ion Ratio Lower Upper
84 100
49 119.1 96.8 145.2
51 38.8 29.9 44.9
86 64.6 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 57.083 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.03 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 448517

Ion Ratio Lower Upper

96 100

61 129.3 99.2 148.8

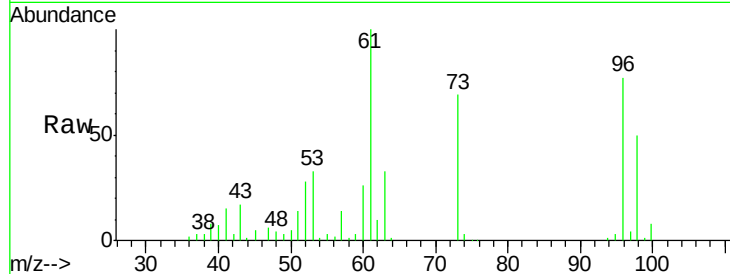
98 64.8 49.2 73.8

Manual Integrations

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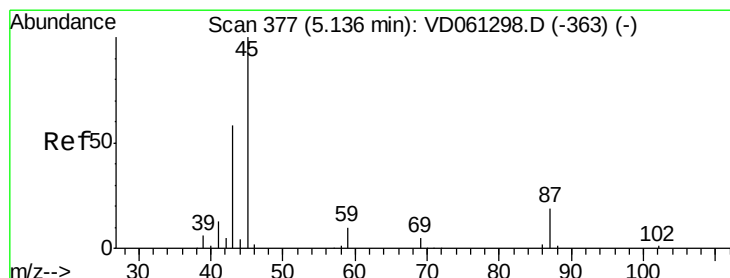
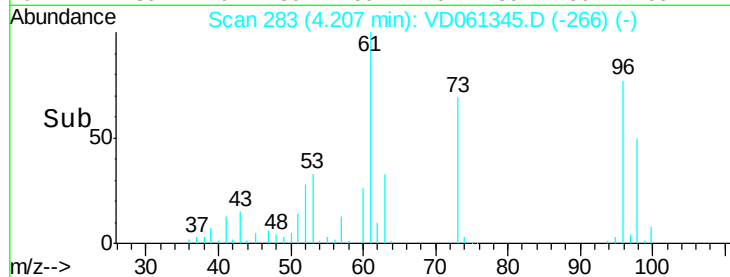
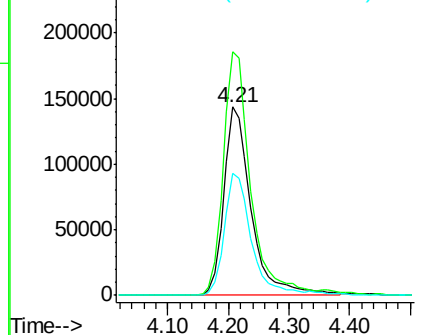


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 59.230 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Tgt Ion: 45 Resp: 1243157

Ion Ratio Lower Upper

45 100

43 57.1 46.7 70.1

87 20.6 15.5 23.3

59 10.0 8.4 12.6

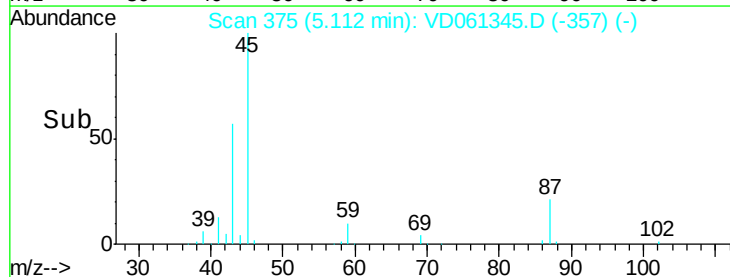
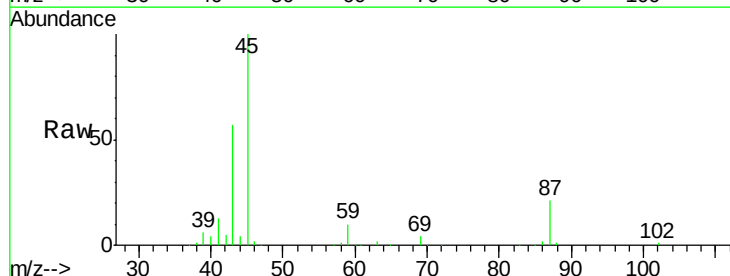
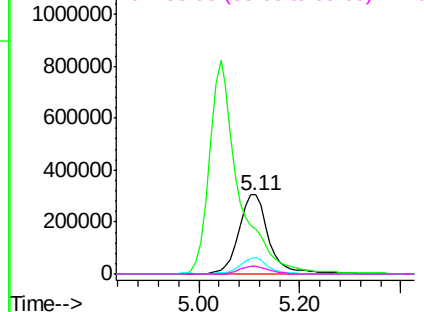
Abundance

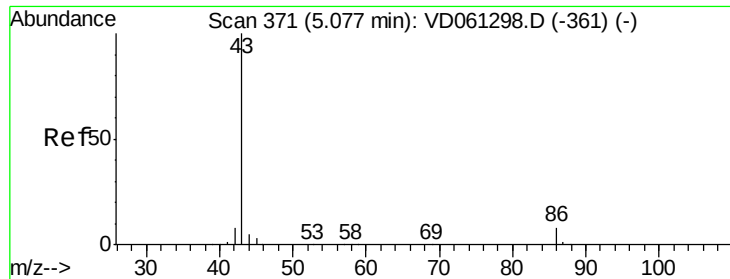
Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 295.059 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.03 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3307578

Ion Ratio Lower Upper

43 100

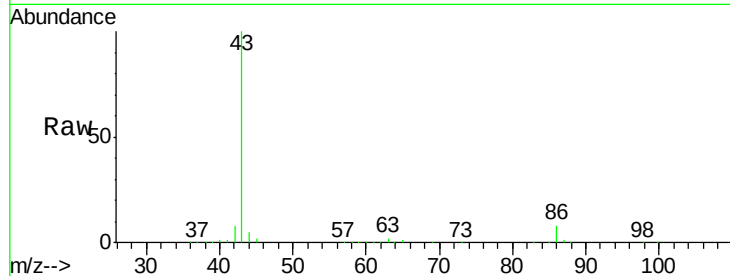
86 8.1 6.3 9.5

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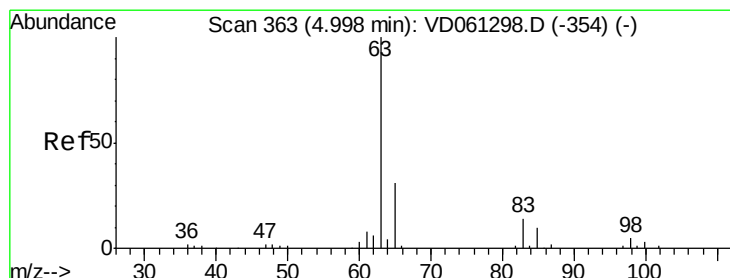
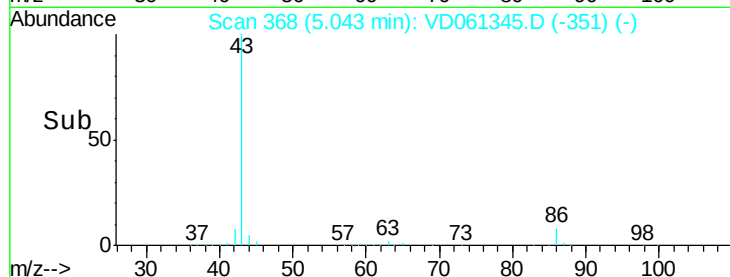
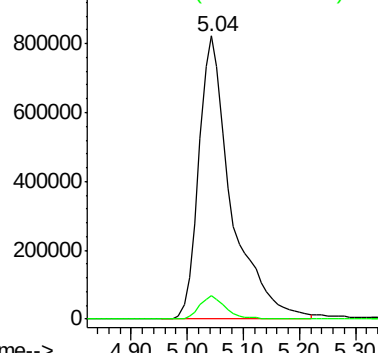
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 57.533 ug/l

RT: 4.97 min Scan# 361

Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

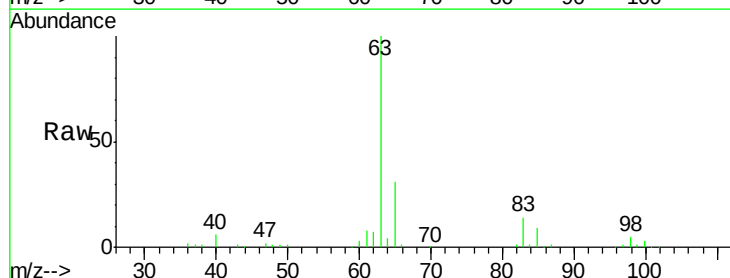
Tgt Ion: 63 Resp: 703682

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.3

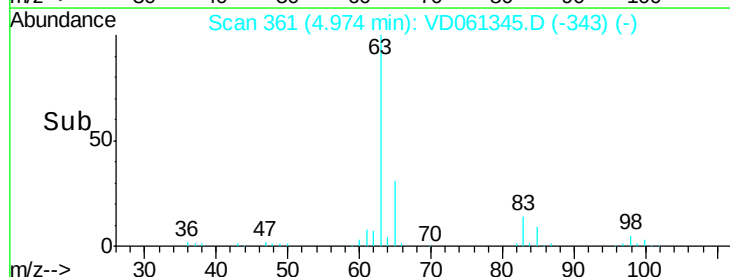
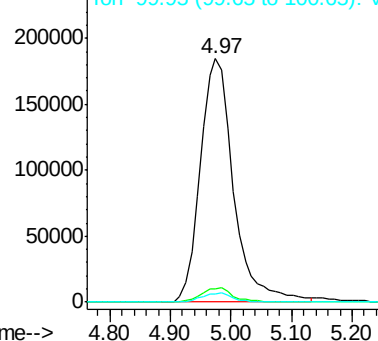
100 3.4 1.6 4.8

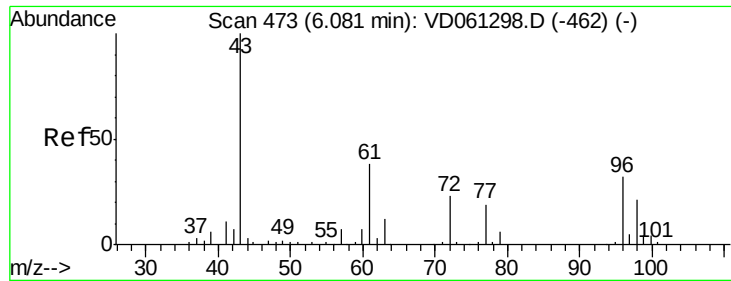


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 310.467 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 539128

Ion Ratio Lower Upper

43 100

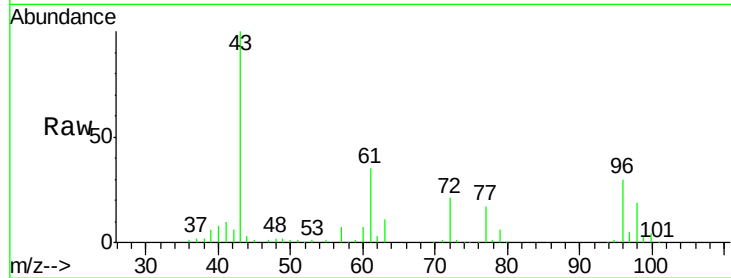
72 21.1 18.5 27.7

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

200000

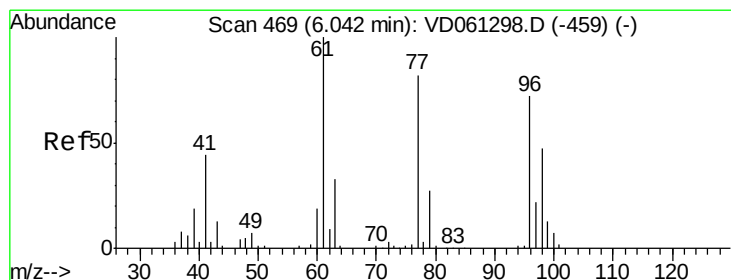
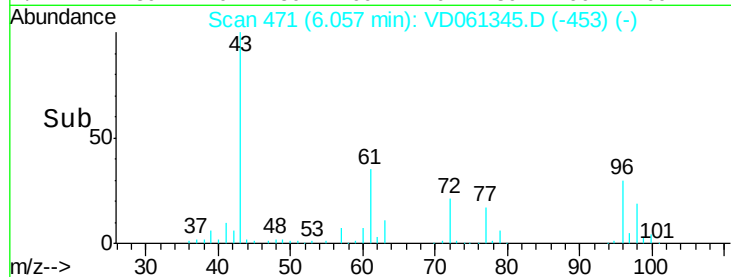
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 53.954 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.02 min

Lab File: VD061345.D

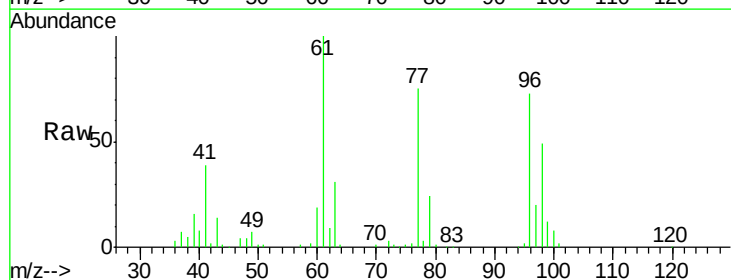
Acq: 26 Mar 2019 20:22

Tgt Ion: 77 Resp: 560346

Ion Ratio Lower Upper

77 100

97 26.5 13.5 40.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.02

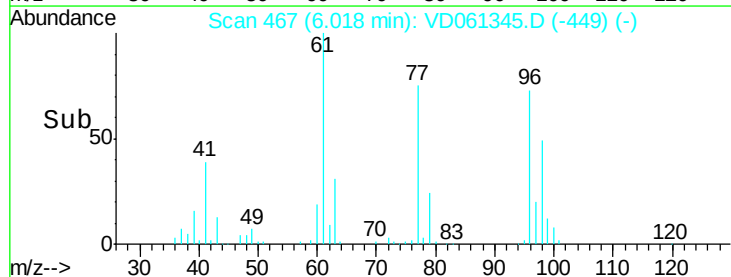
150000

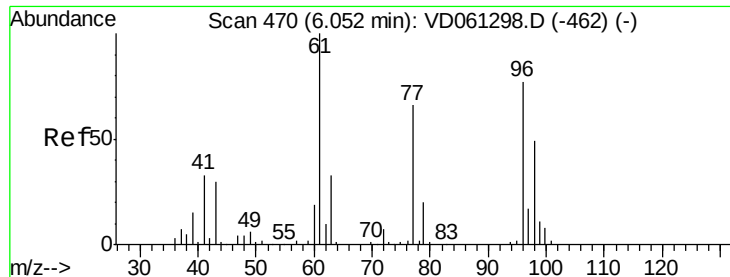
100000

50000

0

Time-->





#27

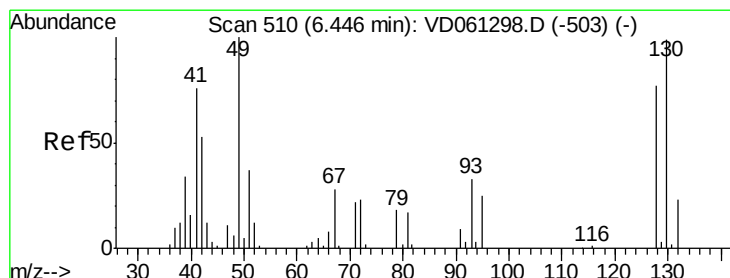
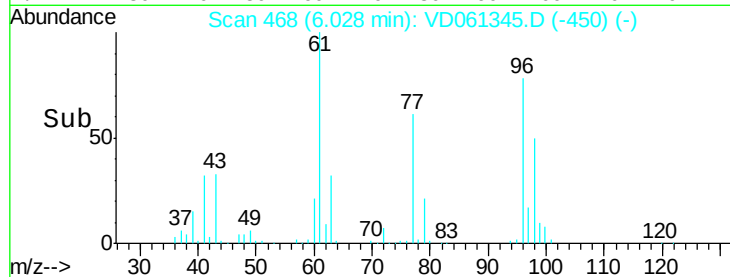
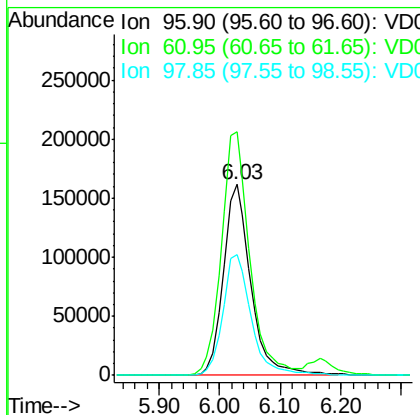
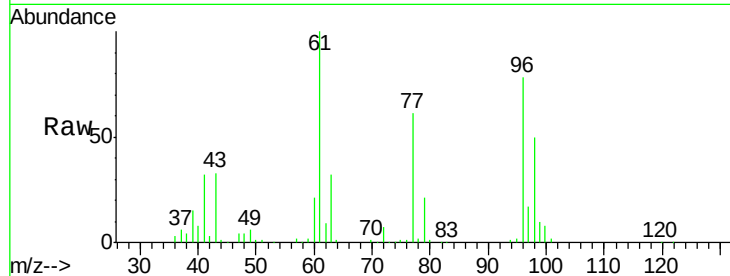
cis-1,2-Dichloroethene
 Concen: 60.031 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.02 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	507594		
61	127.7		0.0	261.0
98	63.3		0.0	127.6

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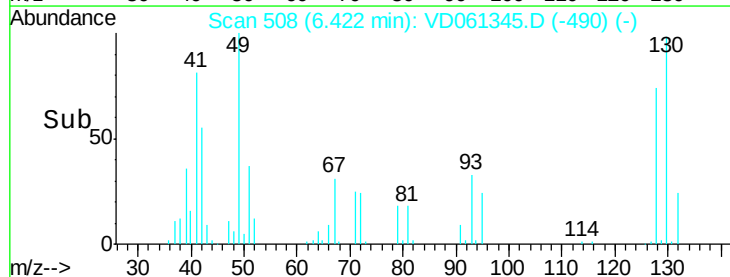
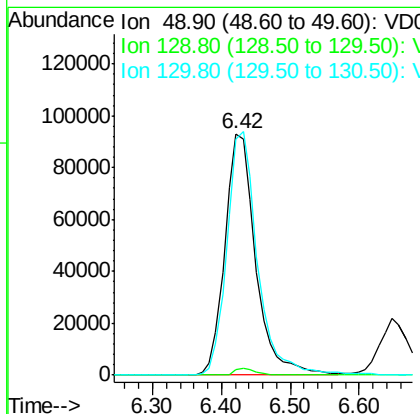
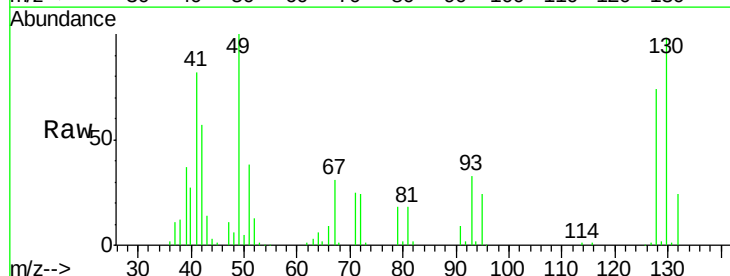
MMDadoda
 3/27/2019 12:02:29 PM

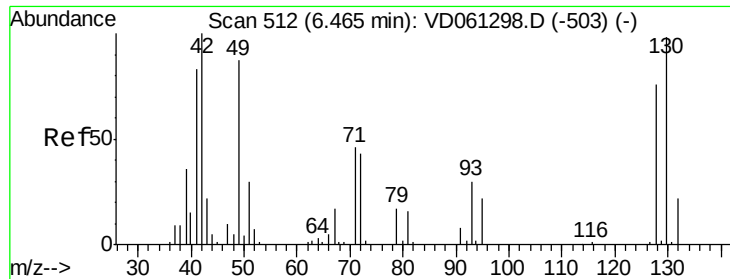


#28

Bromochloromethane
 Concen: 56.382 ug/l
 RT: 6.42 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	288642		
129	2.4		0.0	5.2
130	97.8		79.0	118.6





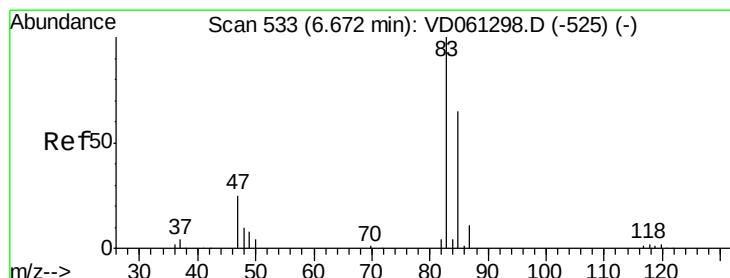
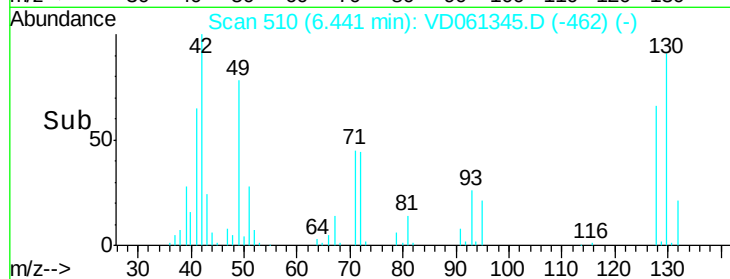
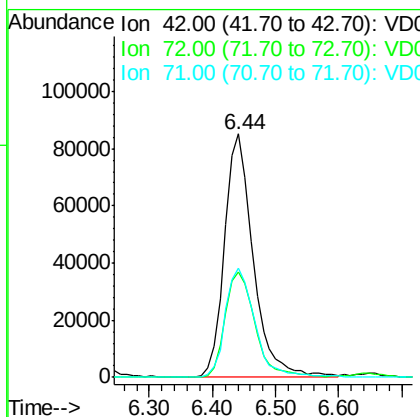
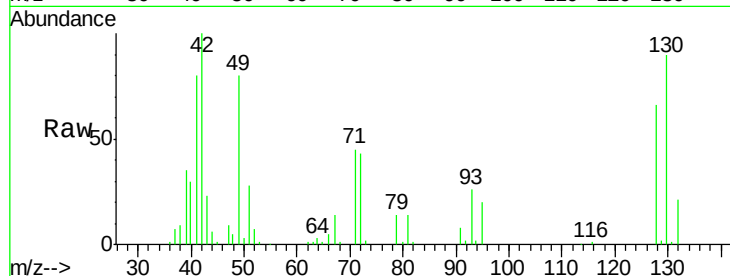
#29
Tetrahydrofuran
Concen: 312.290 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.02 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	36.6	54.8
71	45.9	36.3	54.5

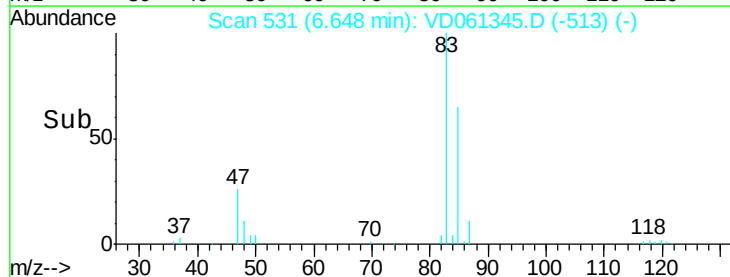
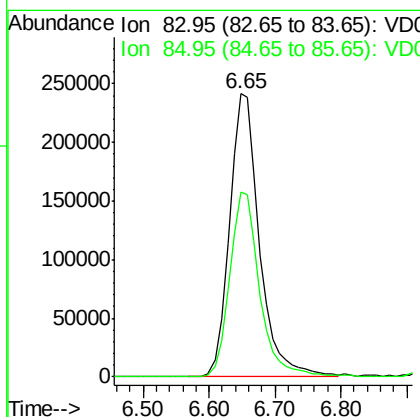
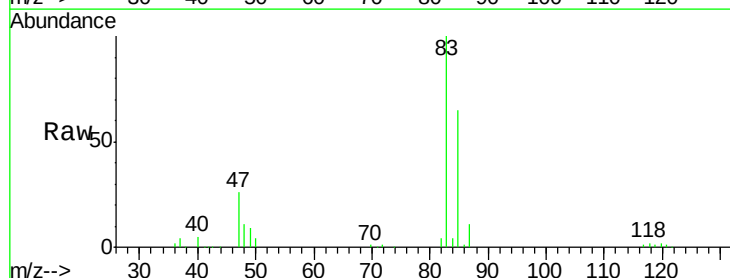
Manual Integrations
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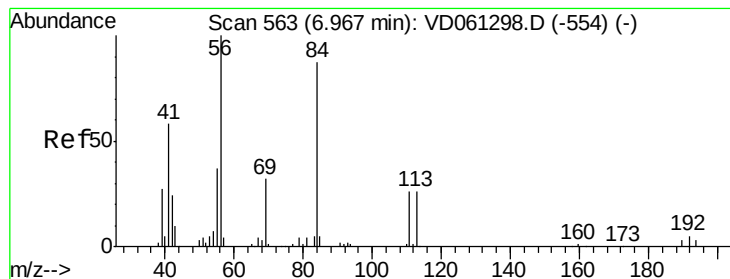
MMDadoda
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#30
Chloroform
Concen: 58.797 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.02 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.2	78.2





#31

Cyclohexane

Concen: 56.009 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

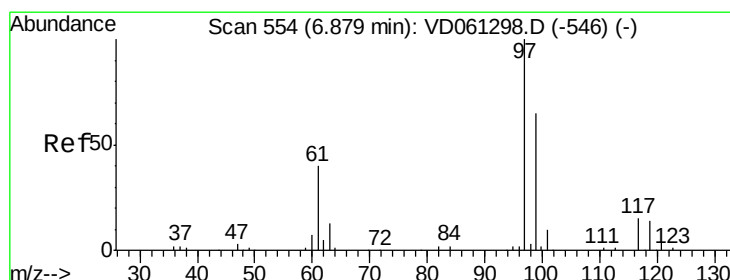
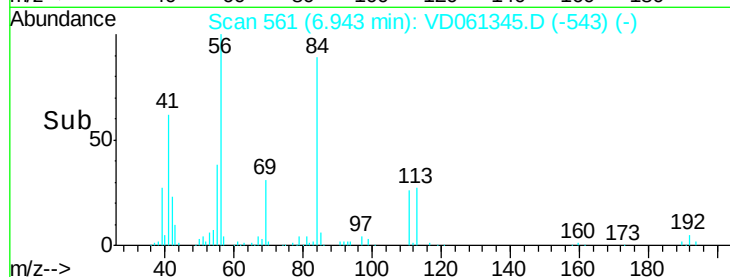
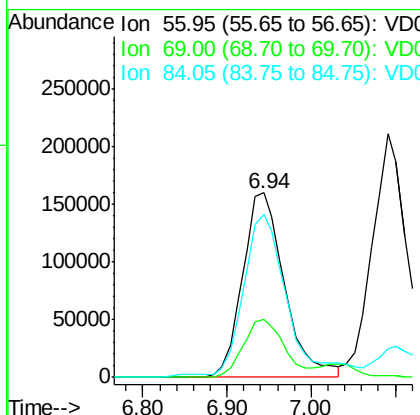
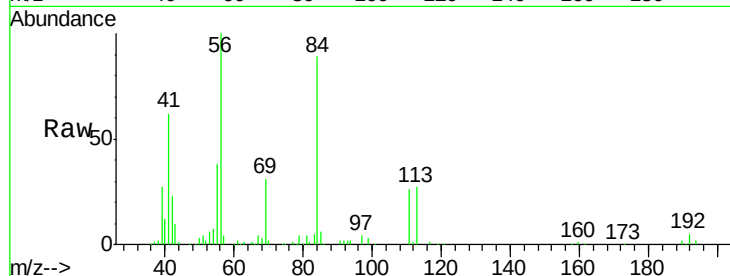
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	556014
Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.5	38.3
84	88.5	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.306 ug/l

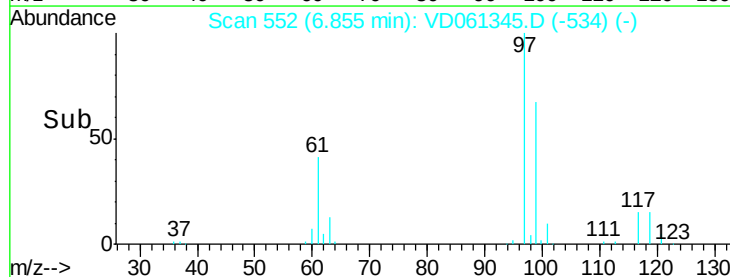
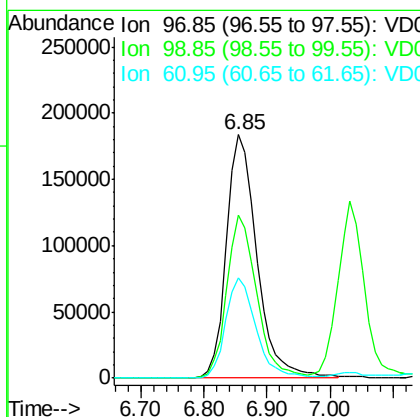
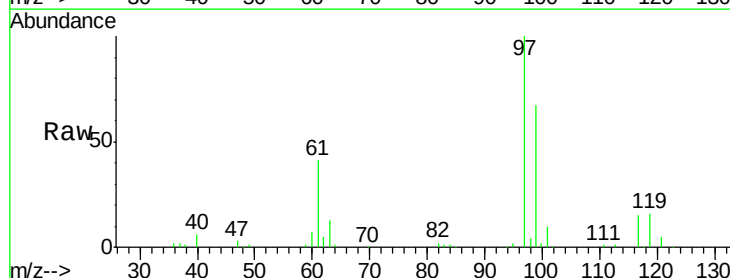
RT: 6.85 min Scan# 552

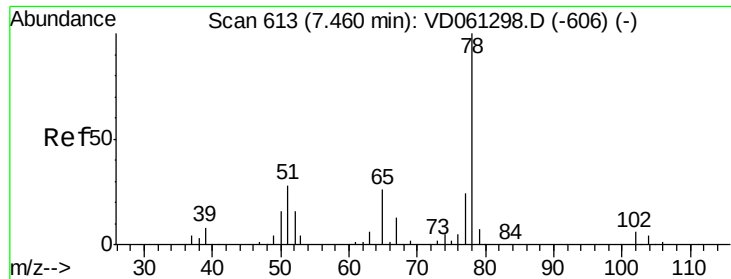
Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Tgt Ion:	97	Resp:	615336
Ion	Ratio	Lower	Upper
97	100		
99	67.1	51.8	77.6
61	41.3	31.9	47.9





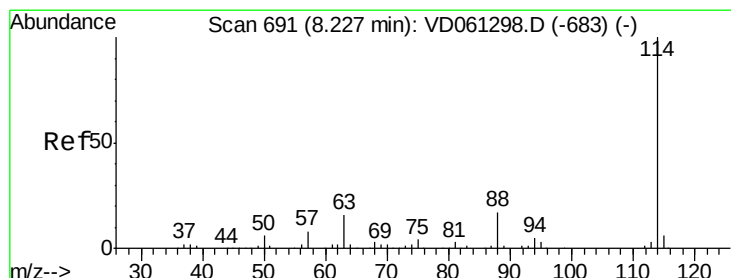
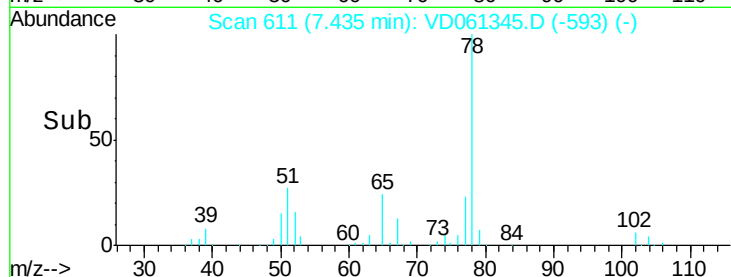
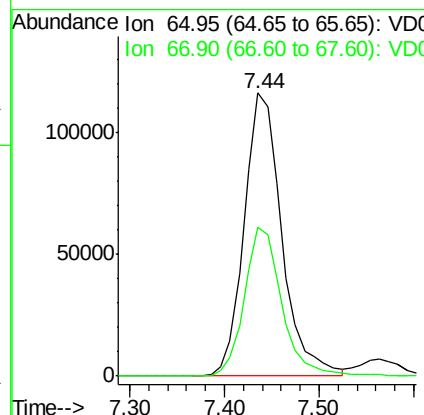
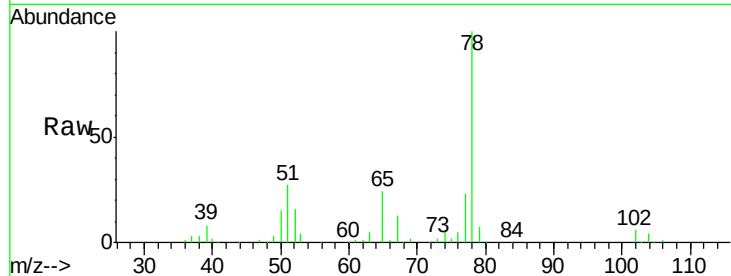
#33
 1,2-Dichloroethane-d4
 Concen: 53.306 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 320973
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 100.8

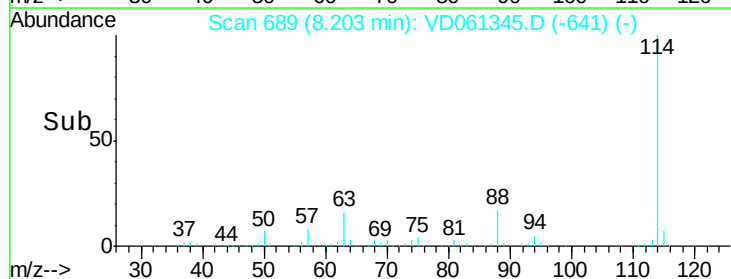
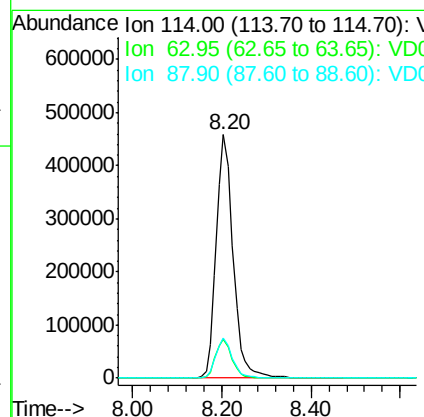
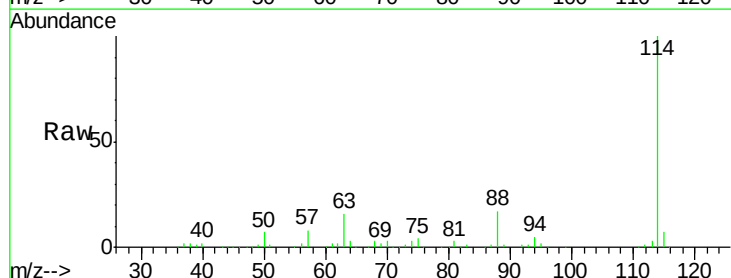
Manual Integrations
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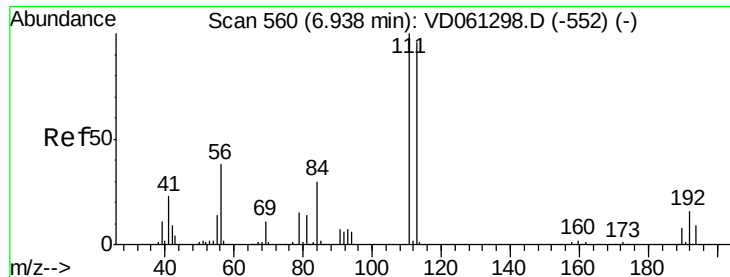
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Tgt Ion: 114 Resp: 1206364
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.4
 88 16.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

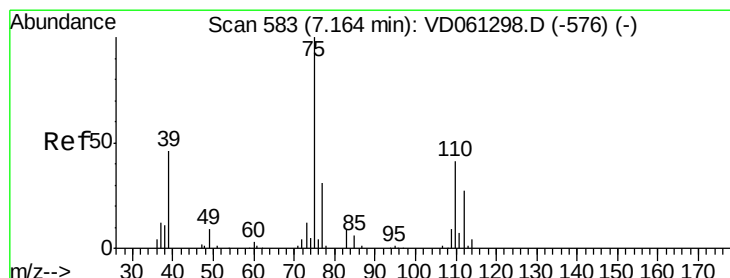
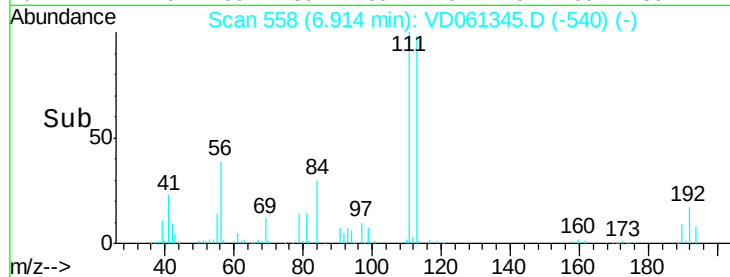
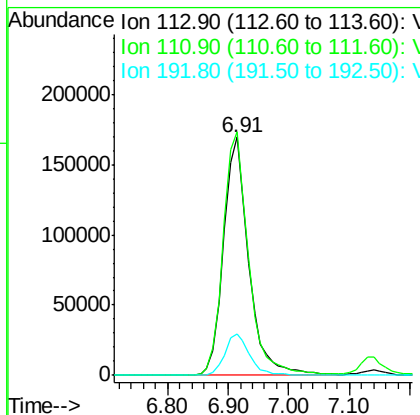
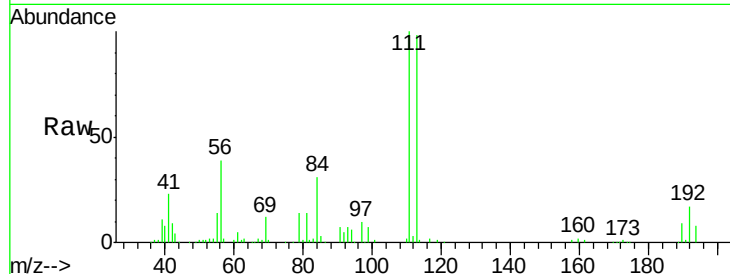
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	491546
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.7	125.5
192	17.2	13.4	20.0

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#36

1,1-Dichloropropene

Concen: 51.973 ug/l

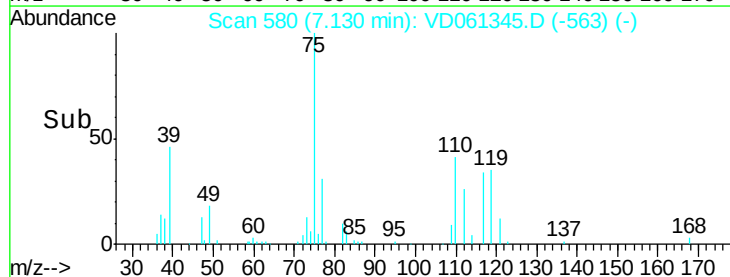
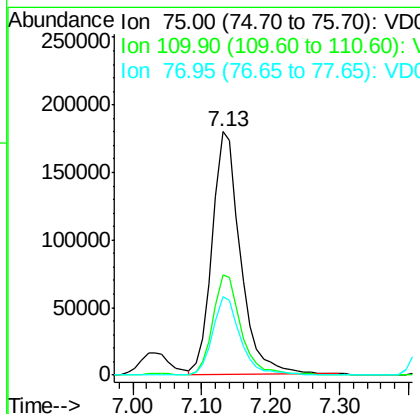
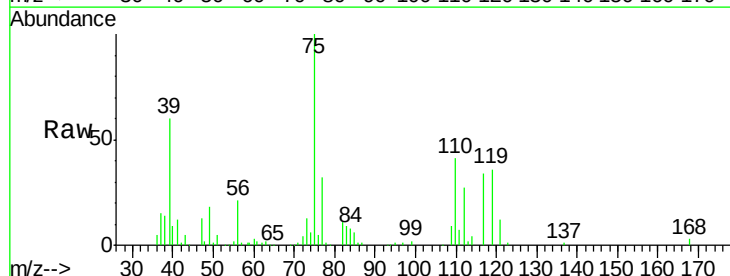
RT: 7.13 min Scan# 580

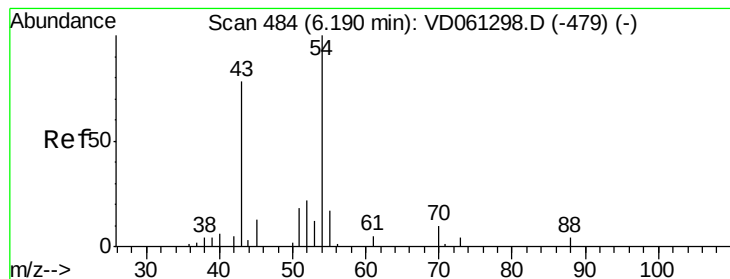
Delta R.T. -0.03 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Tgt Ion:	75	Resp:	512969
Ion	Ratio	Lower	Upper
75	100		
110	41.2	20.1	60.2
77	32.2	24.3	36.5





#37

Ethyl Acetate

Concen: 62.941 ug/l m

RT: 6.17 min Scan# 482

Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

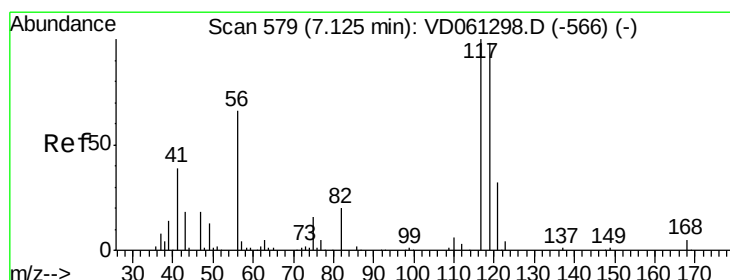
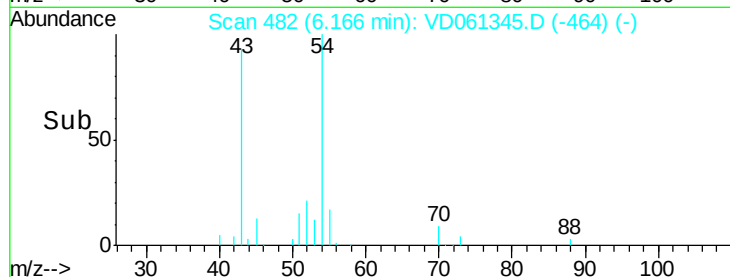
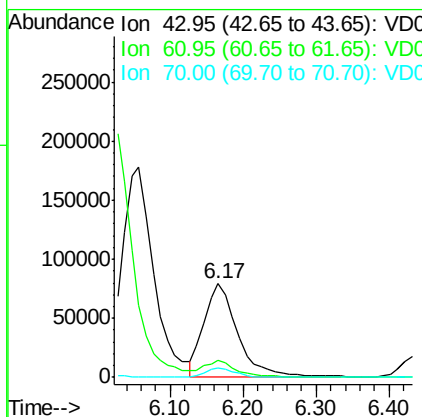
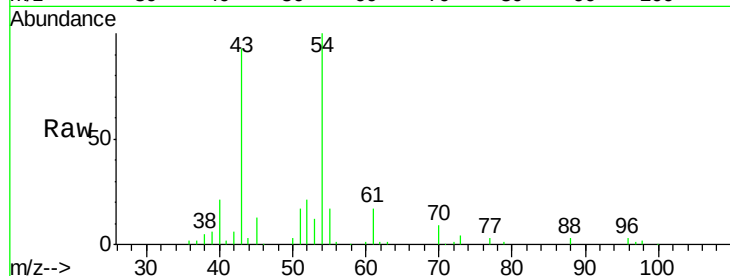
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	259476
Ion	Ratio	Lower	Upper
43	100		
61	18.2	12.6	19.0
70	9.9	8.2	12.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 51.742 ug/l m

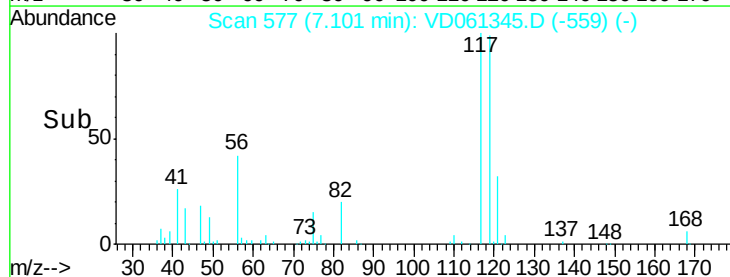
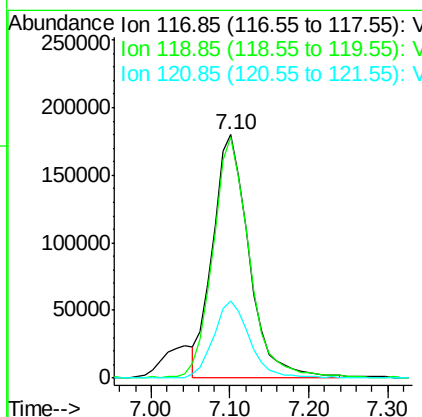
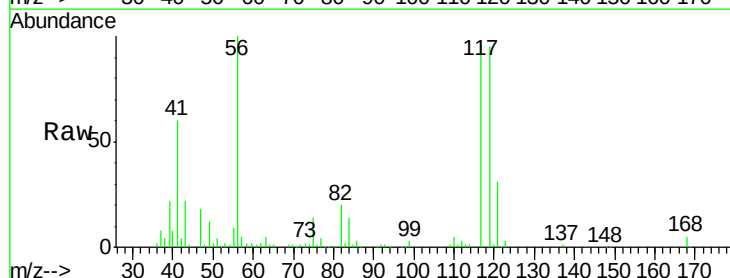
RT: 7.10 min Scan# 577

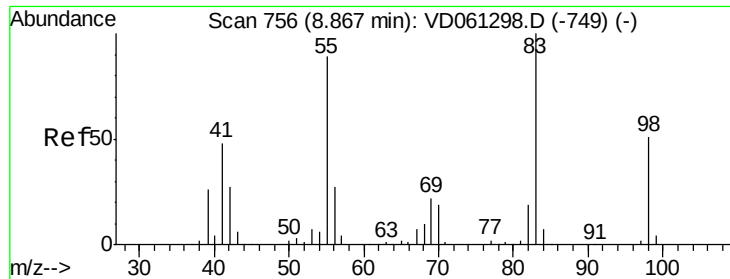
Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Tgt Ion:	117	Resp:	583682
Ion	Ratio	Lower	Upper
117	100		
119	99.1	78.4	117.6
121	31.8	25.1	37.7





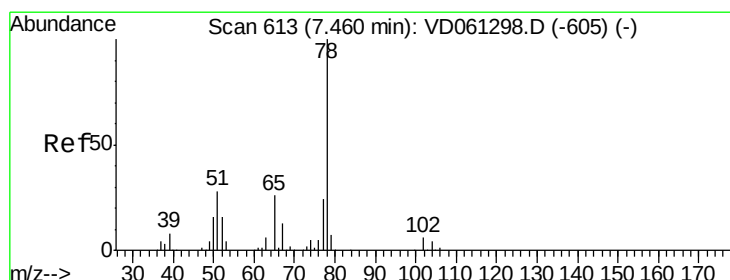
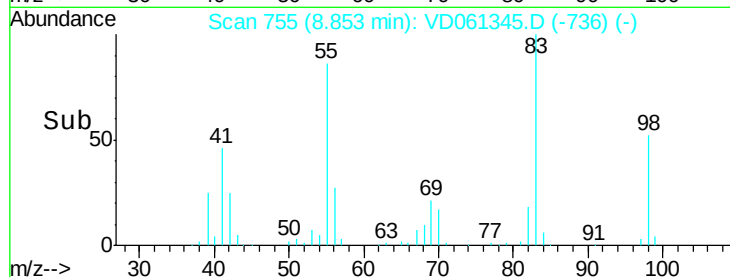
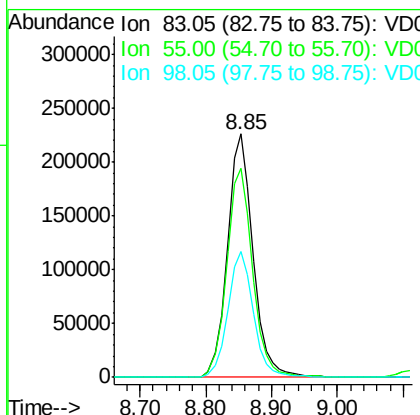
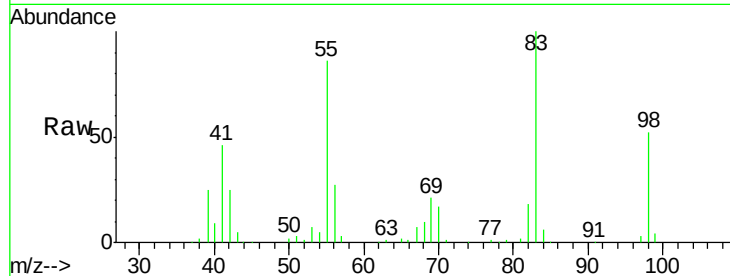
#39
Methylvlcyclohexane
Concen: 60.515 ug/l
RT: 8.85 min Scan# 755
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	618591
Ion Ratio	100	Lower	Upper
83	100		
55	85.8	71.3	106.9
98	51.5	40.4	60.6

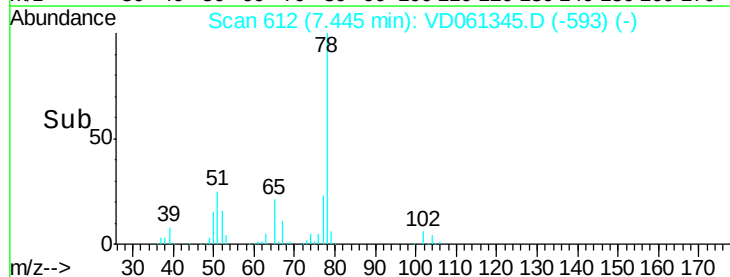
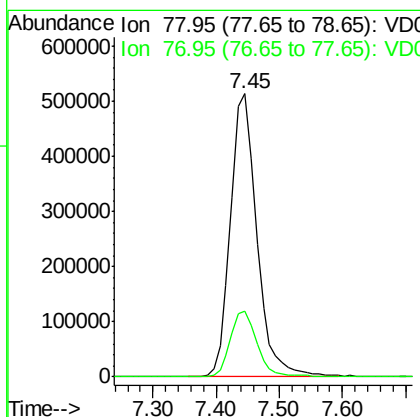
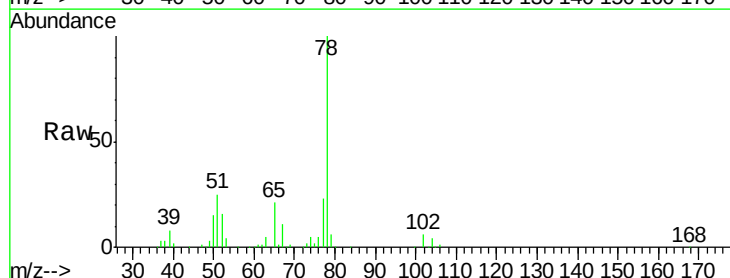
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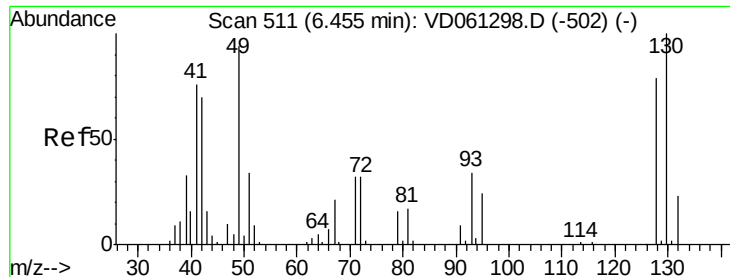
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#40
Benzene
Concen: 60.778 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion	78	Resp	1489828
Ion Ratio	100	Lower	Upper
78	100		
77	23.1	18.8	28.2





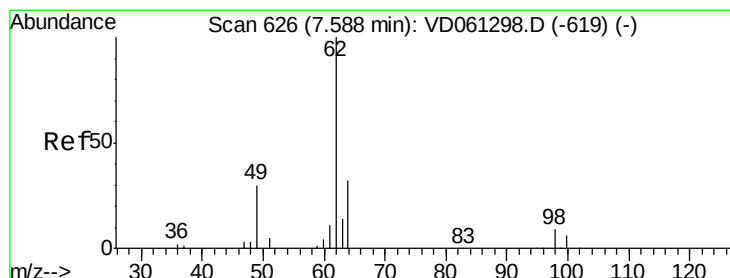
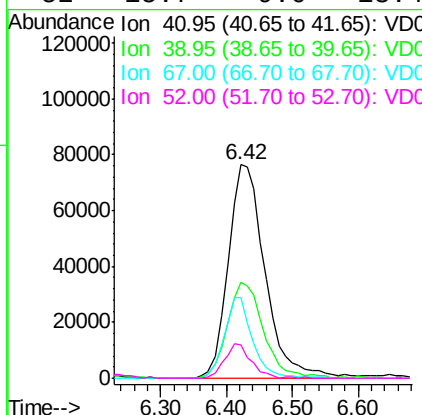
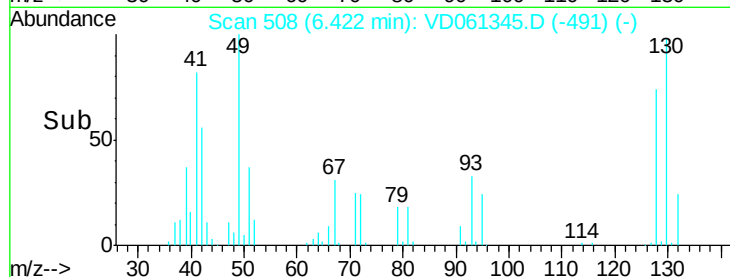
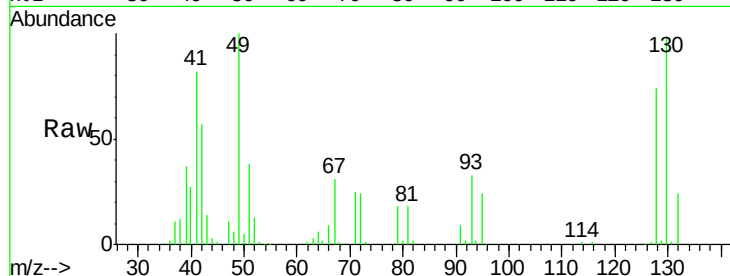
#41
Methacrylonitrile
Concen: 62.176 ug/l
RT: 6.42 min Scan# 508
Delta R.T. -0.03 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.2	34.2	51.2
67	38.1	21.8	32.6
52	15.7	9.0	13.4

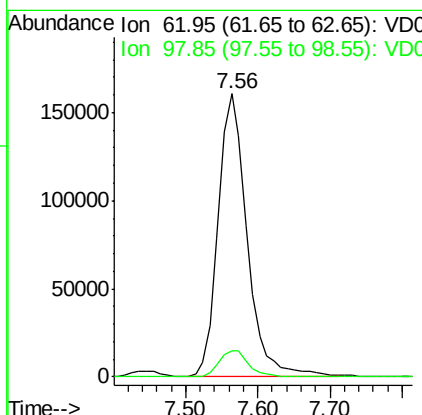
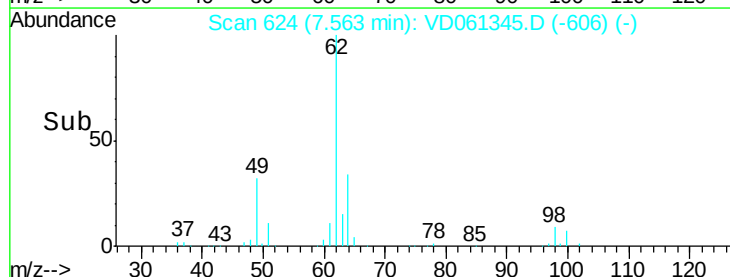
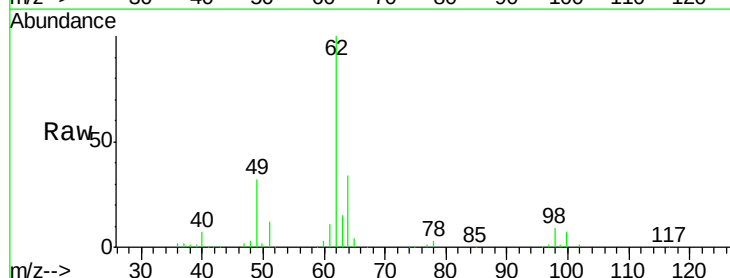
Manual Integrations
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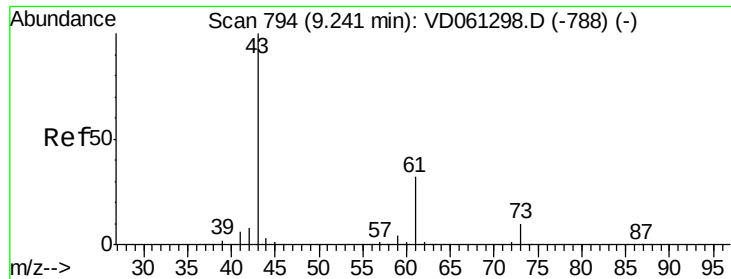
MMDadoda
3/27/2019 12:02:29 PM



#42
1,2-Dichloroethane
Concen: 58.539 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.02 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 61.066 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

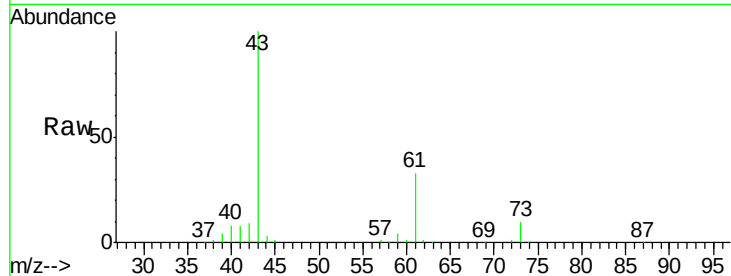
ClientSampleId :

VSTDCCC050EC

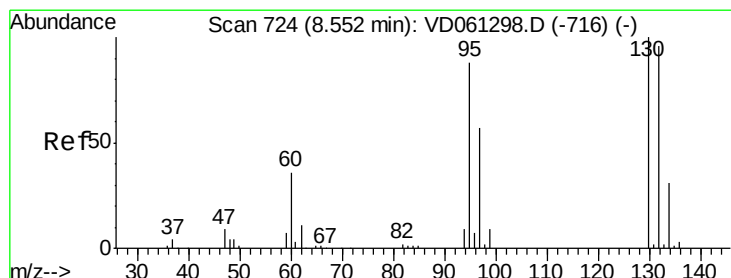
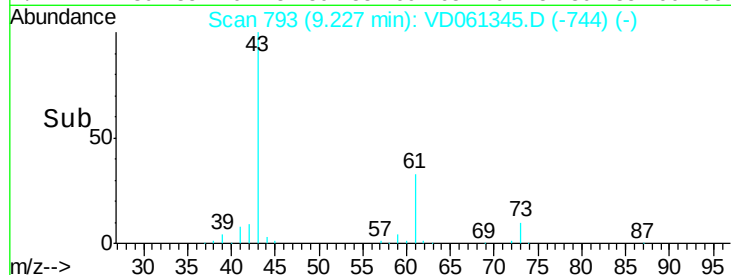
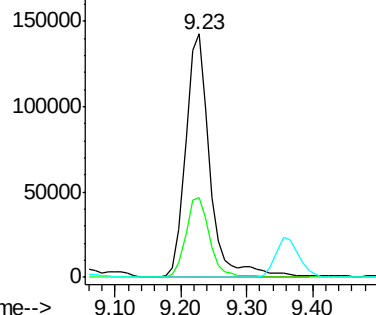
Tot Ion:	43	Resp:	362989
Ion	Ratio	Lower	Upper
43	100		
61	33.0	25.8	38.8
87	0.4	0.3	0.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 56.332 ug/l

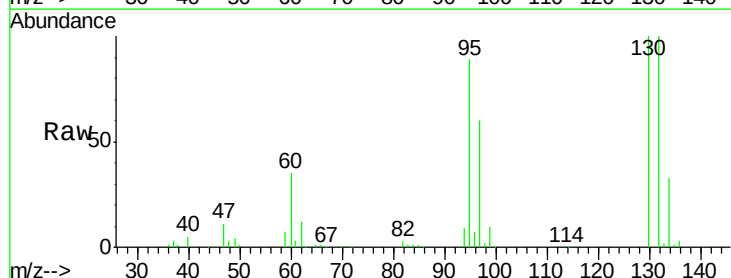
RT: 8.53 min Scan# 722

Delta R.T. -0.02 min

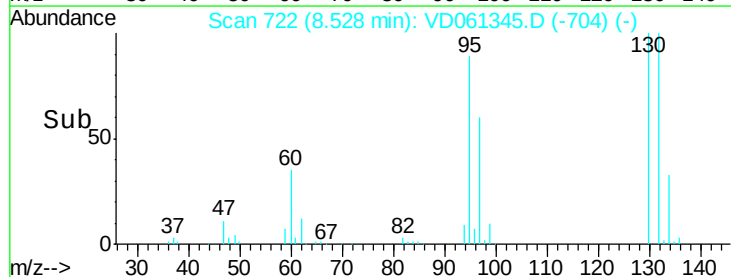
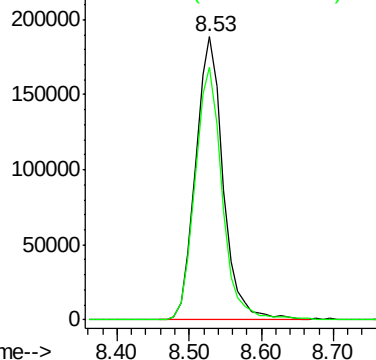
Lab File: VD061345.D

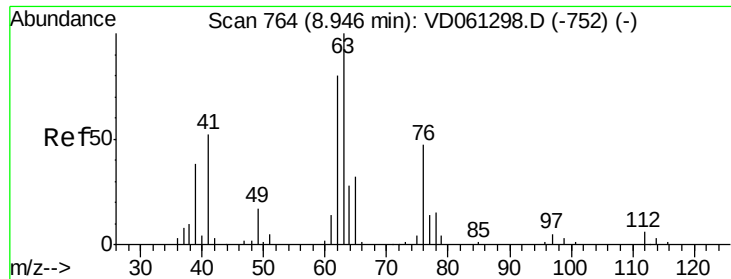
Acq: 26 Mar 2019 20:22

Tgt Ion:	130	Resp:	499394
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	175.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 58.095 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 351475

Ion Ratio Lower Upper

63 100

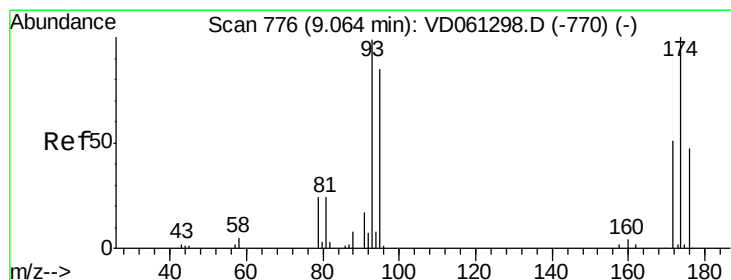
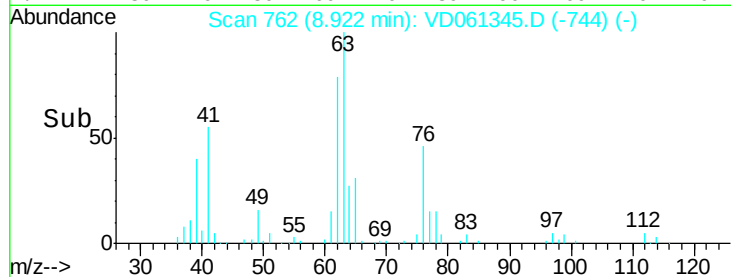
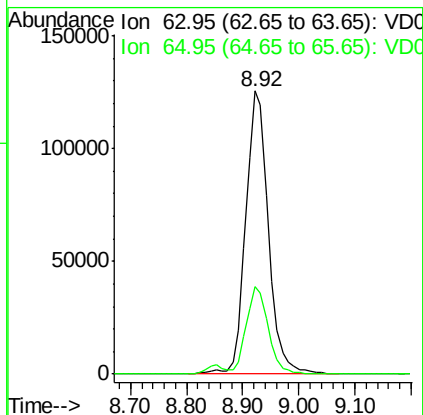
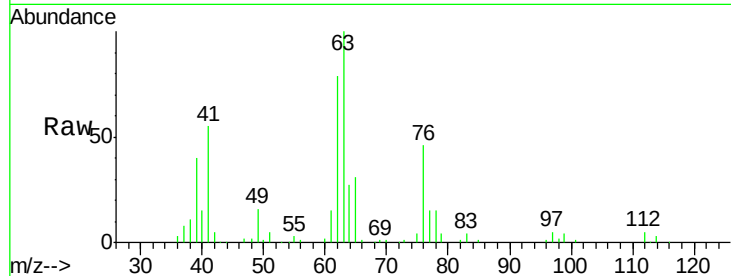
65 31.1 25.2 37.8

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#46

Dibromomethane

Concen: 60.105 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

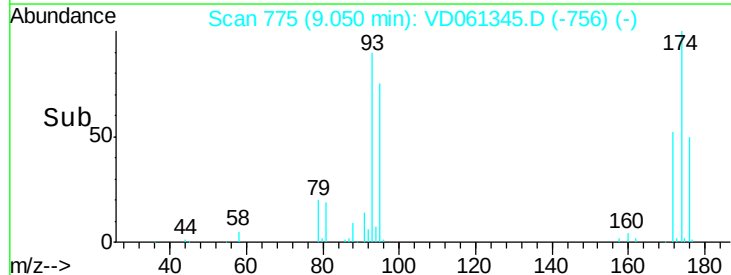
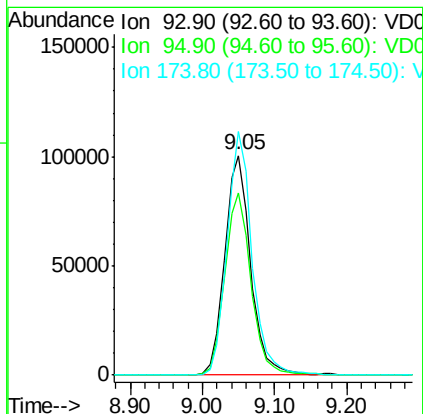
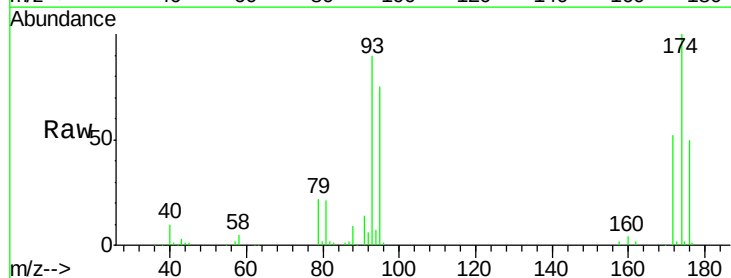
Tgt Ion: 93 Resp: 249255

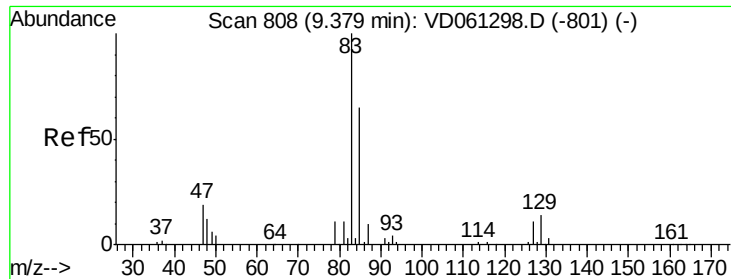
Ion Ratio Lower Upper

93 100

95 83.1 68.1 102.1

174 111.0 80.4 120.6





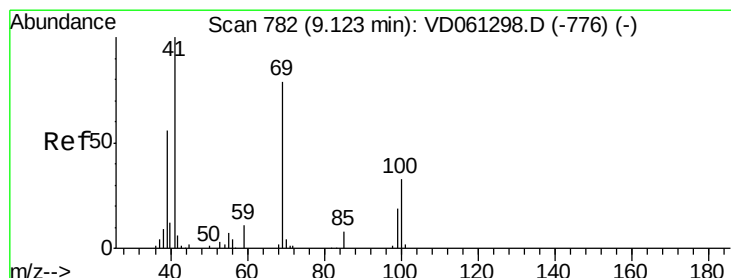
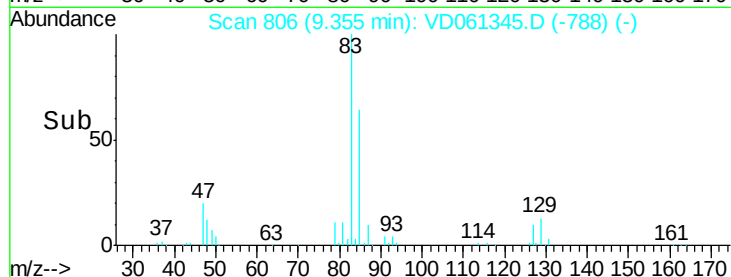
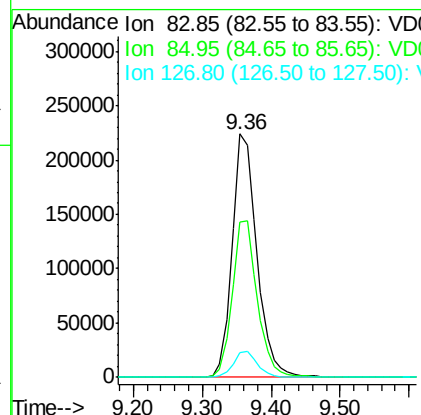
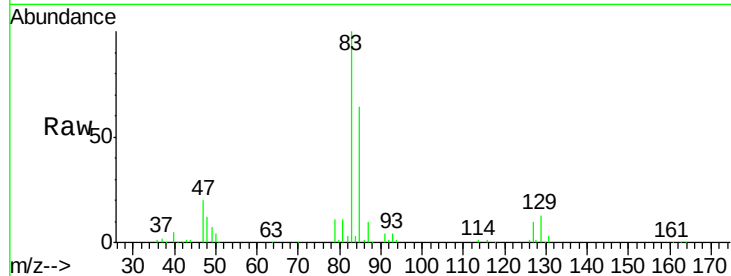
#47
Bromodichloromethane
Concen: 57.130 ug/l
RT: 9.36 min Scan# 806
Delta R.T. -0.02 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.7	77.5
127	10.3	8.8	13.2

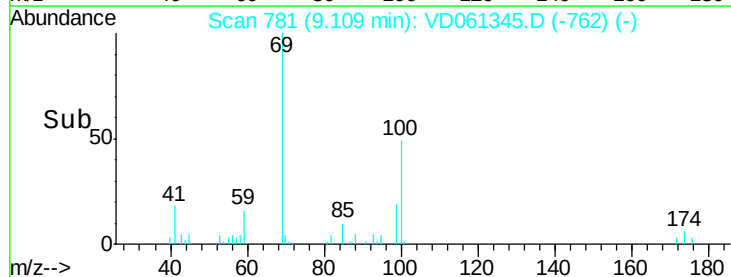
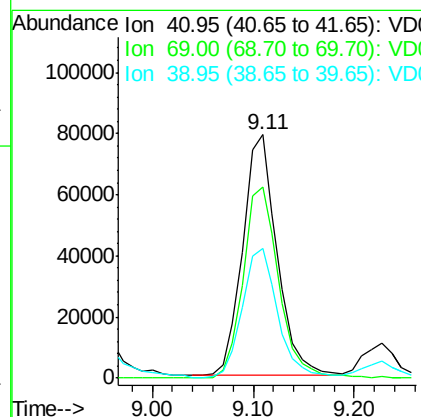
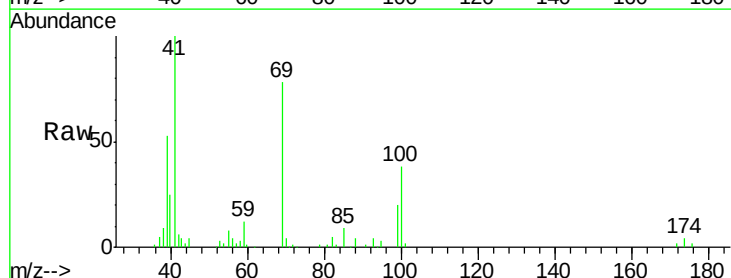
Manual Integrations
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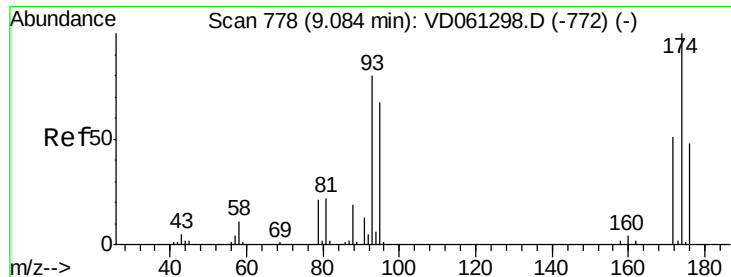
MMDadoda
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#48
Methyl methacrylate
Concen: 59.199 ug/l
RT: 9.11 min Scan# 781
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.4	62.4	93.6
39	53.3	44.9	67.3





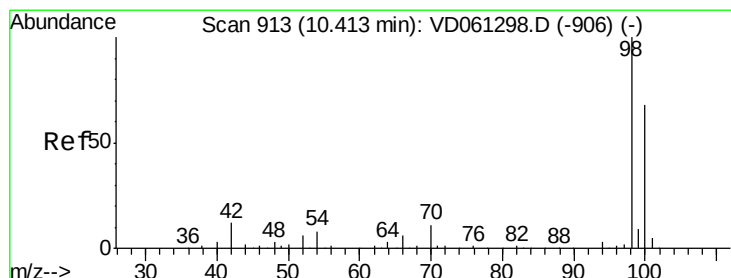
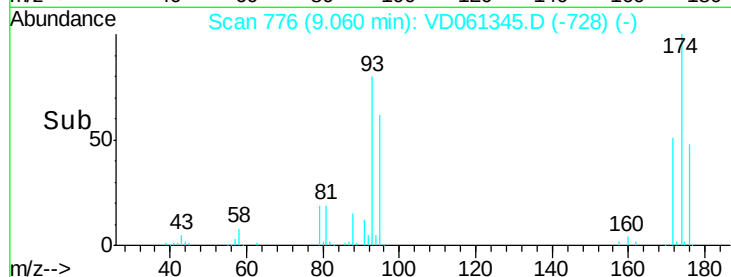
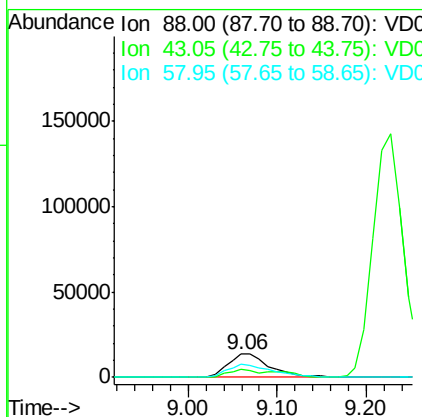
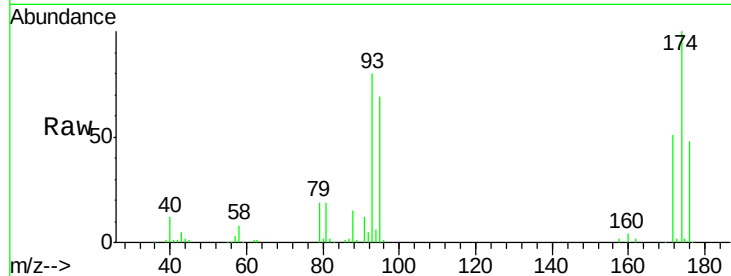
#49
1,4-Dioxane
Concen: 1266.991 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.02 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	44104
Ion	Ratio	Lower	Upper
88	100		
43	34.5	20.7	31.1#
58	57.1	44.9	67.3

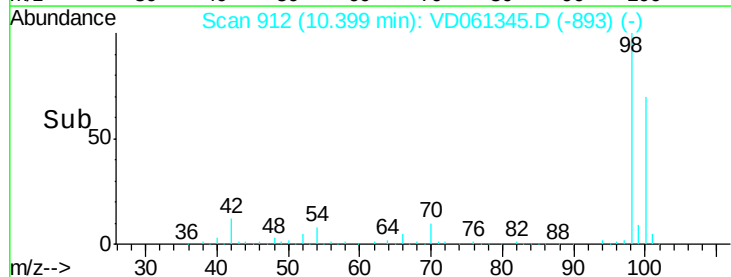
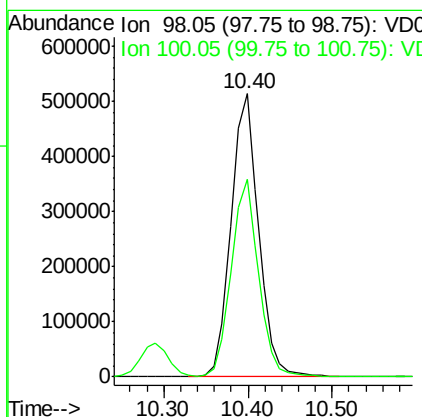
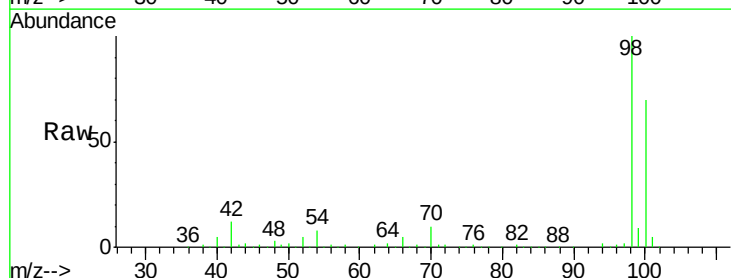
Manual Integrations
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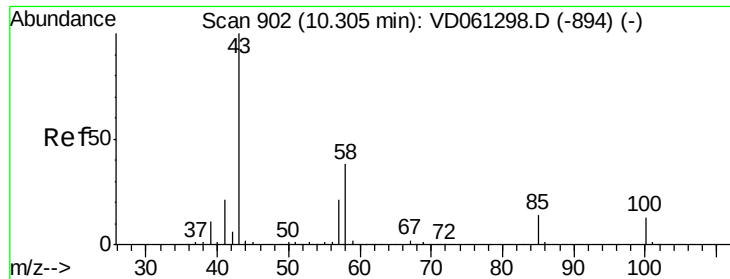
MMDadoda
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#50
Toluene-d8
Concen: 1266.991 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion	98	Resp	1169486
Ion	Ratio	Lower	Upper
98	100		
100	69.7	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 312.539 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1105932

Ion Ratio Lower Upper

43 100

58 39.9

30.6

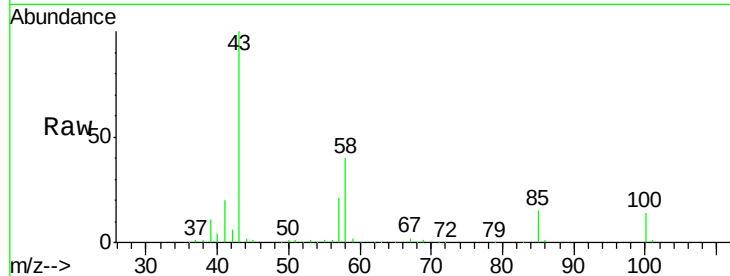
45.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.29

400000

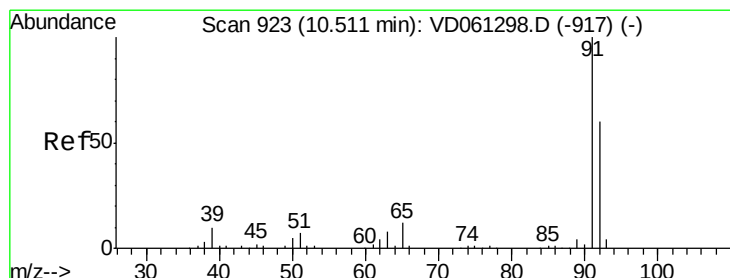
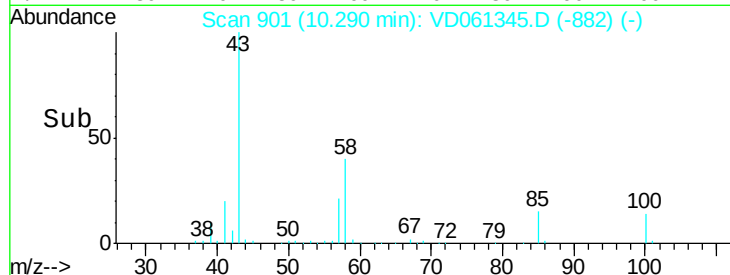
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 58.499 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Tgt Ion: 92 Resp: 877412

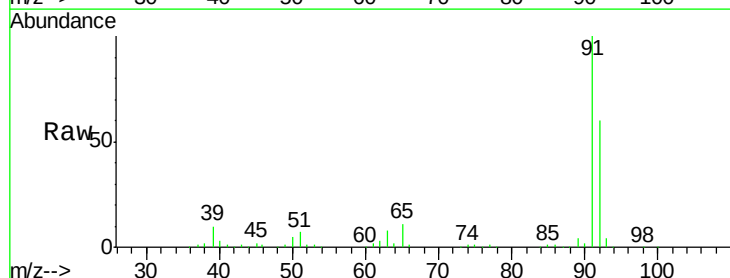
Ion Ratio Lower Upper

92 100

91 166.1

133.1

199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.50

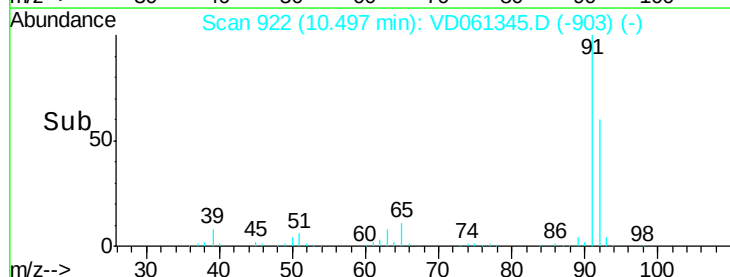
600000

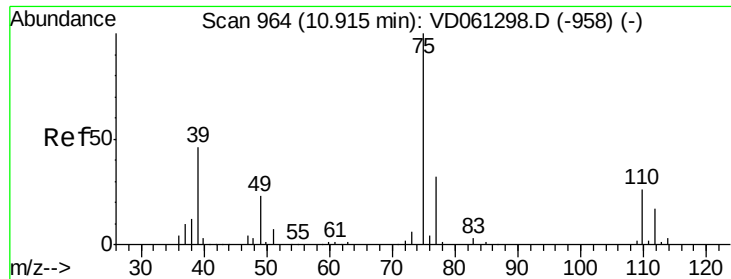
400000

200000

0

Time-->





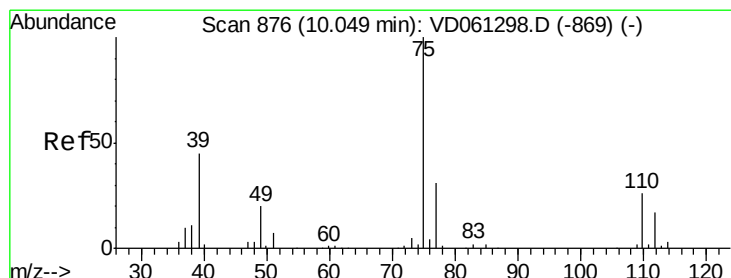
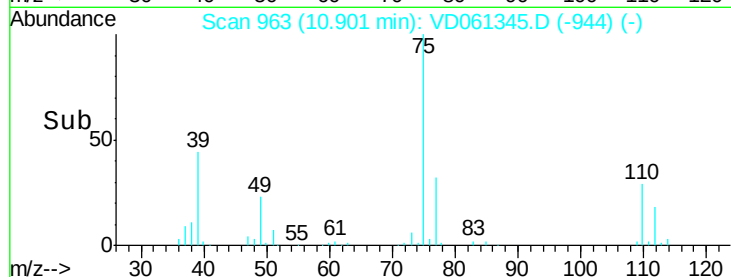
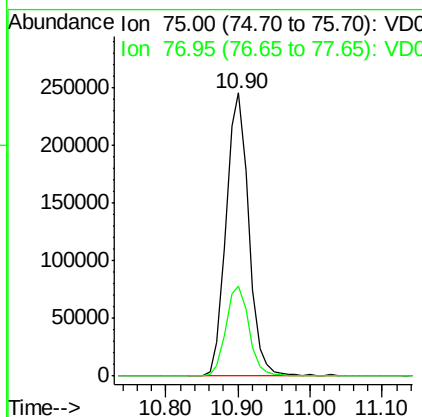
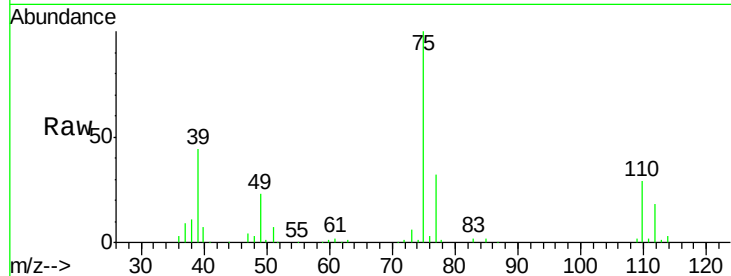
#53
t-1,3-Dichloropropene
Concen: 63.362 ug/l
RT: 10.90 min Scan# 963
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6

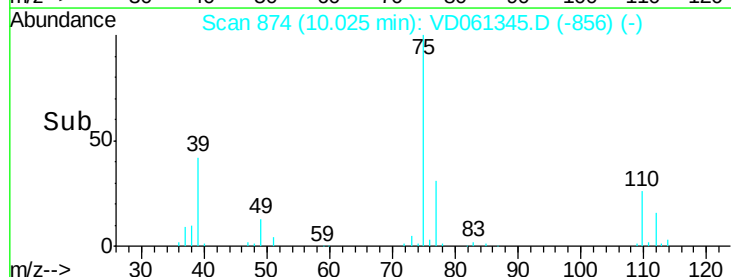
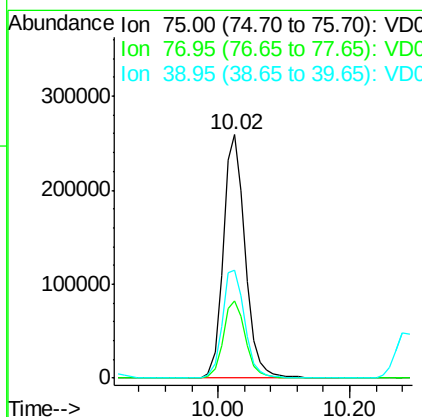
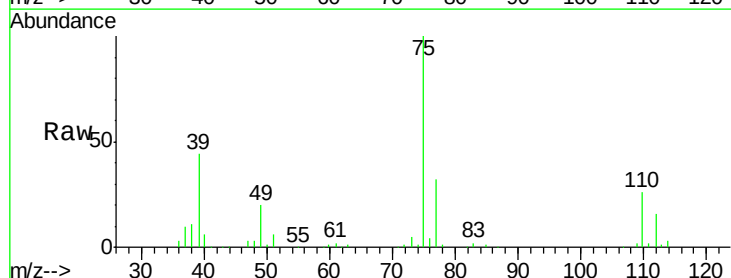
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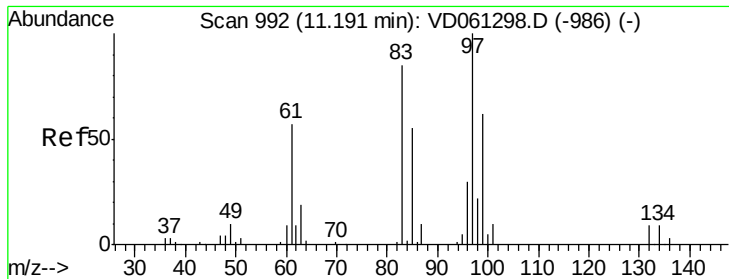
MMDadoda
3/27/2019 12:02:29 PM



#54
cis-1,3-Dichloropropene
Concen: 58.362 ug/l
RT: 10.02 min Scan# 874
Delta R.T. -0.02 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.9	37.3
39	44.4	36.0	54.0





#55

1,1,2-Trichloroethane

Concen: 54.904 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

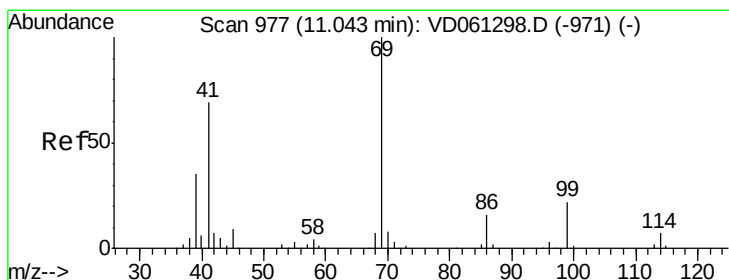
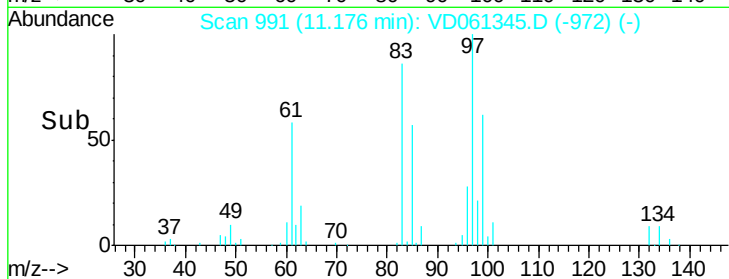
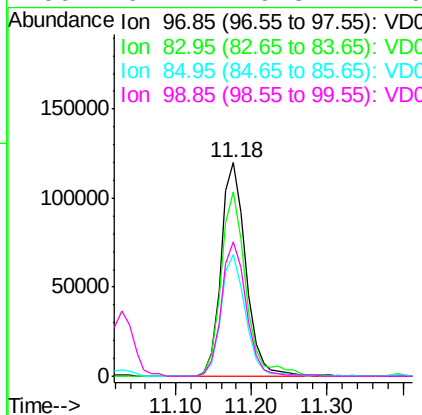
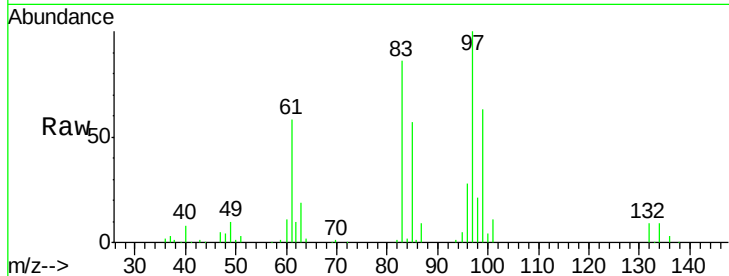
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	273394
Ion	Ratio	Lower	Upper
97	100		
83	86.3	67.7	101.5
85	56.7	43.8	65.8
99	62.7	49.8	74.6

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#56

Ethyl methacrylate

Concen: 64.251 ug/l

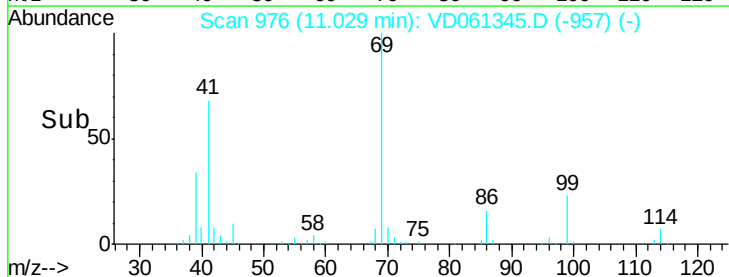
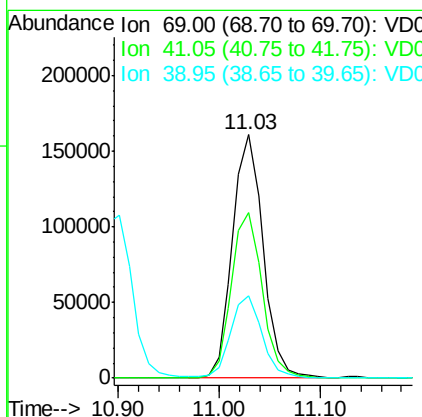
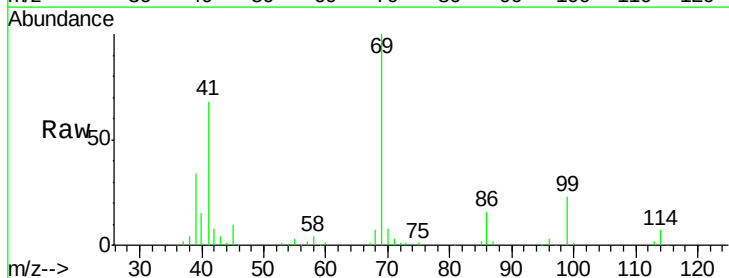
RT: 11.03 min Scan# 976

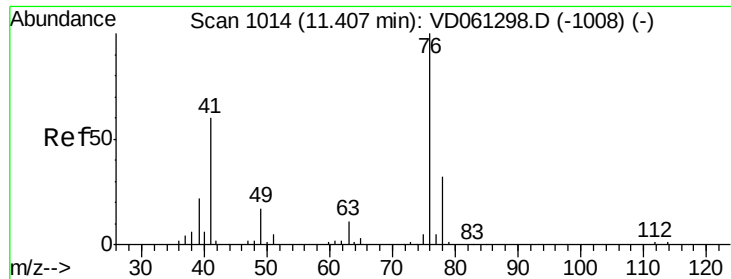
Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Tgt Ion:	69	Resp:	341401
Ion	Ratio	Lower	Upper
69	100		
41	67.9	54.9	82.3
39	33.8	28.5	42.7





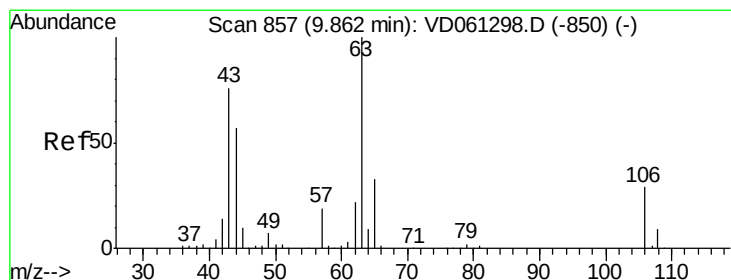
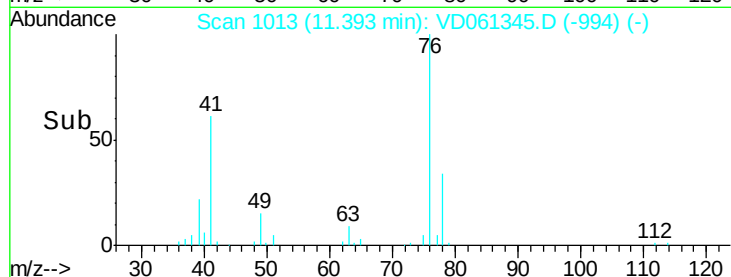
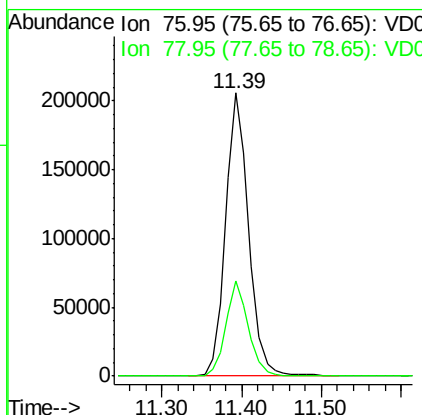
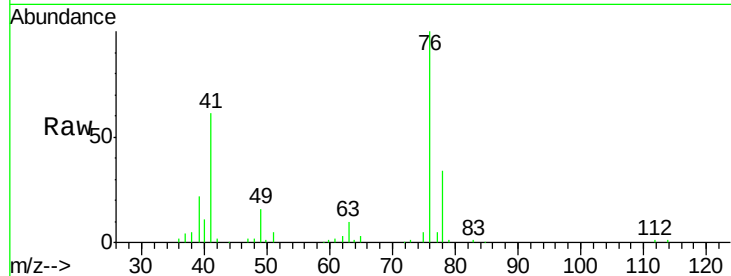
#57
 1,3-Dichloropropane
 Concen: 55.631 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 418364
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.7 38.5

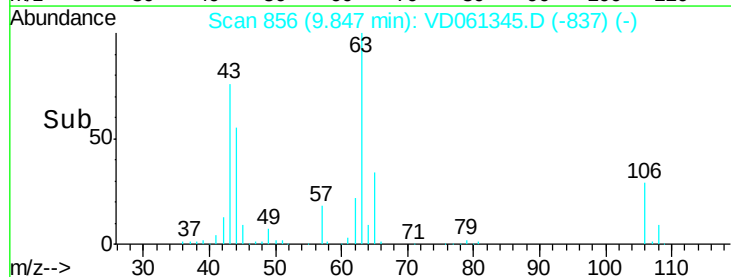
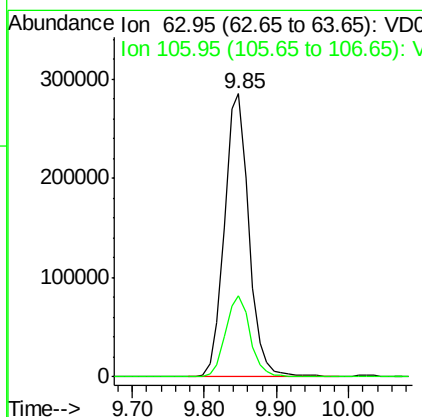
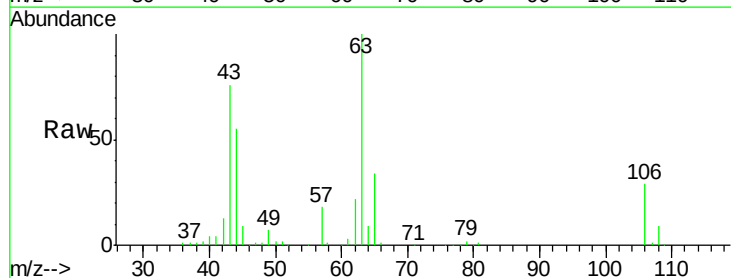
Manual Integrations
 APPROVED

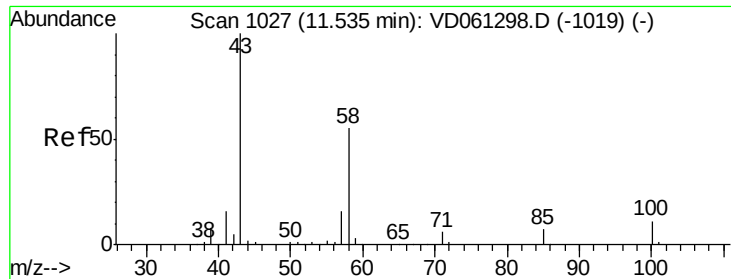
MMDadoda
 3/27/2019 12:02:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.417 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Tgt Ion: 63 Resp: 670122
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.4 35.0





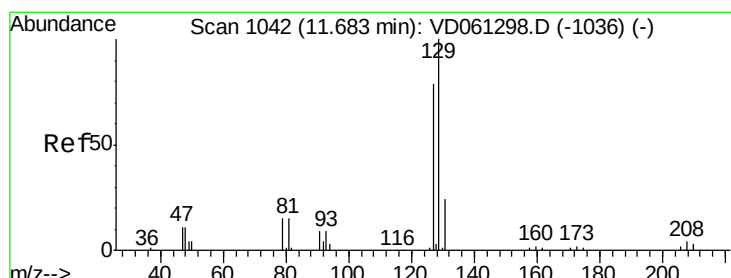
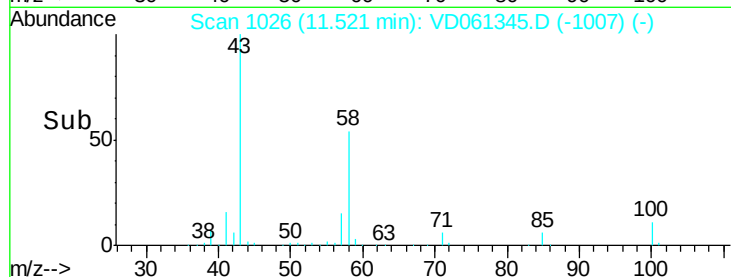
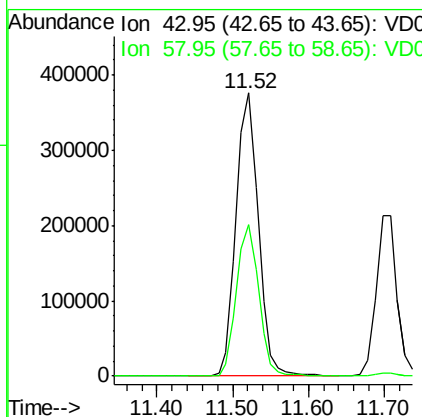
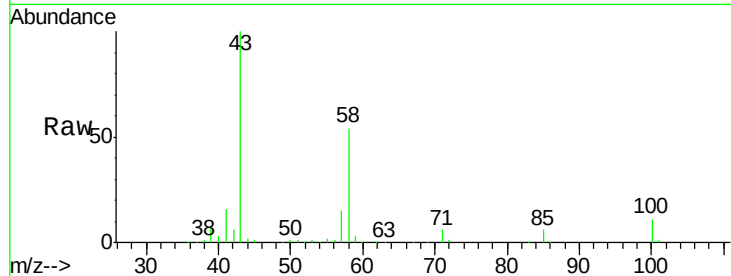
#59
2-Hexanone
Concen: 298.298 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 766628
Ion Ratio Lower Upper
43 100
58 53.6 27.4 82.0

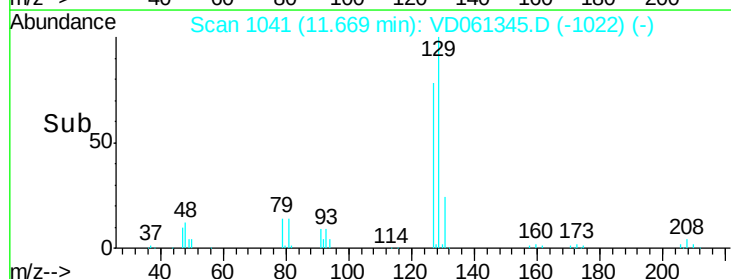
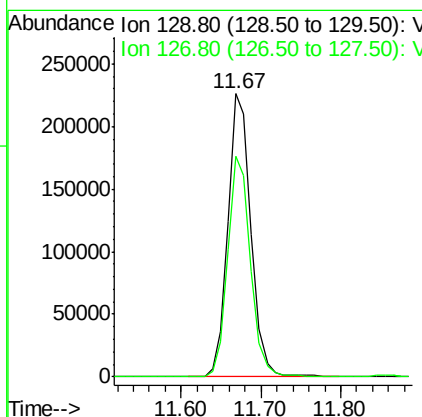
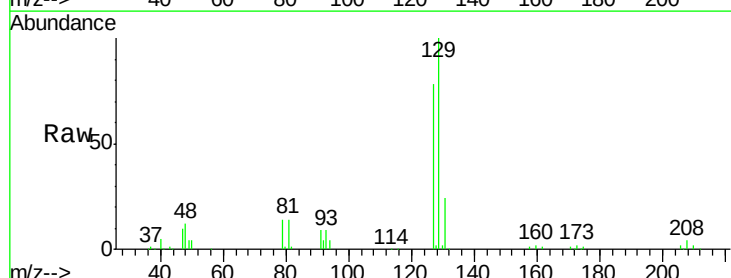
Manual Integrations
APPROVED

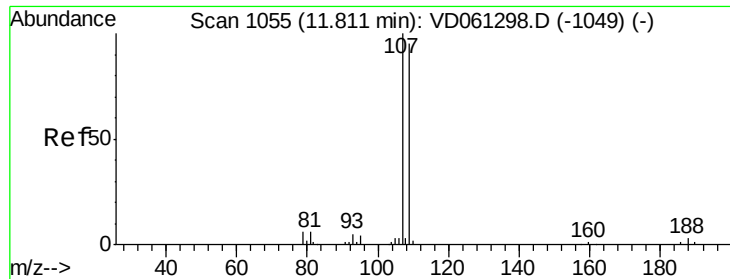
MMDadoda
3/27/2019 12:02:29 PM



#60
Dibromochloromethane
Concen: 58.896 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion: 129 Resp: 459336
Ion Ratio Lower Upper
129 100
127 78.0 39.6 119.0





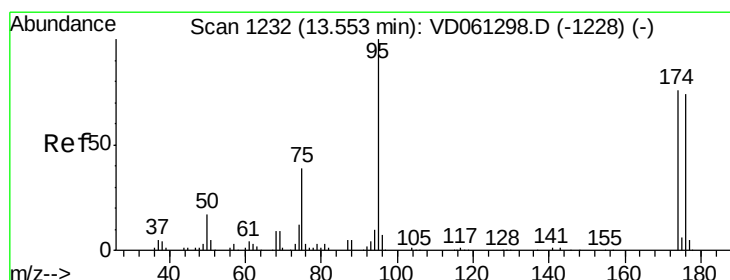
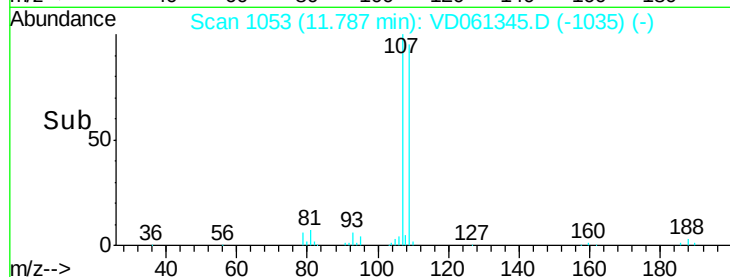
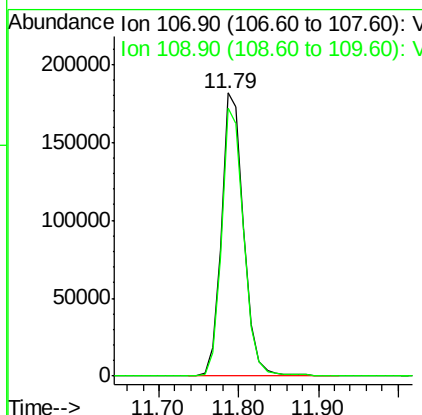
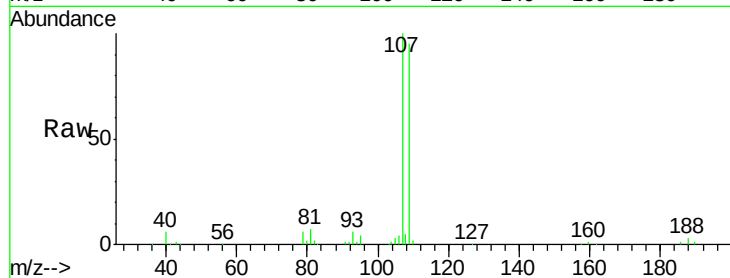
#61
1,2-Dibromoethane
Concen: 61.202 ug/l
RT: 11.79 min Scan# 1053
Delta R.T. -0.02 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	76.1	114.1

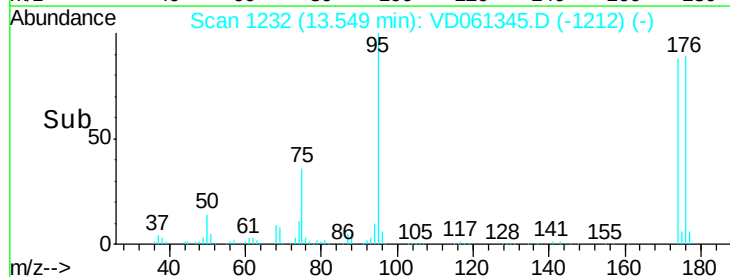
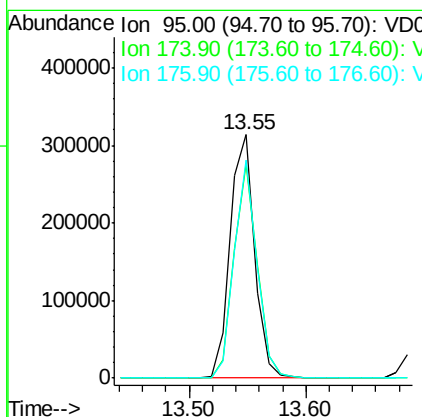
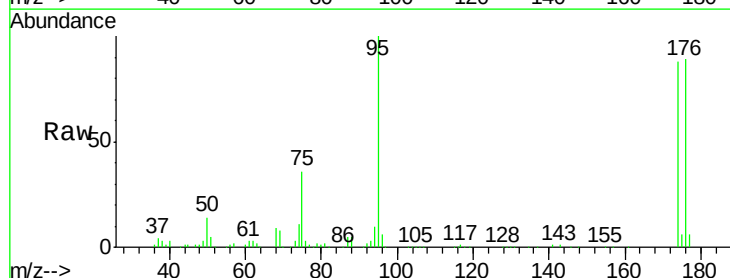
Manual Integrations
APPROVED

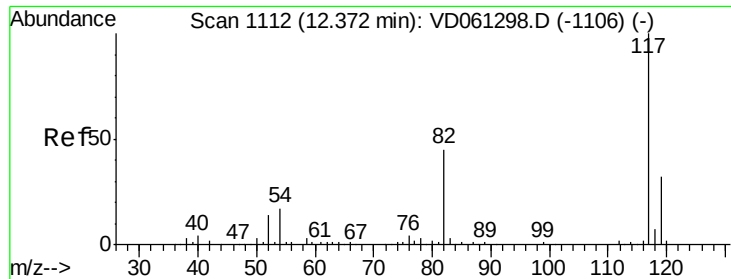
MMDadoda
3/27/2019 12:02:29 PM



#62
4-Bromofluorobenzene
Concen: 61.202 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	151.8
176	89.5	0.0	148.0





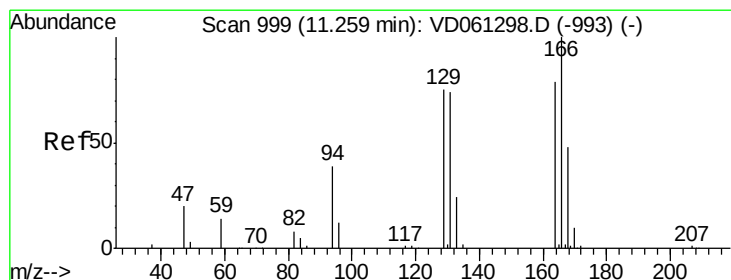
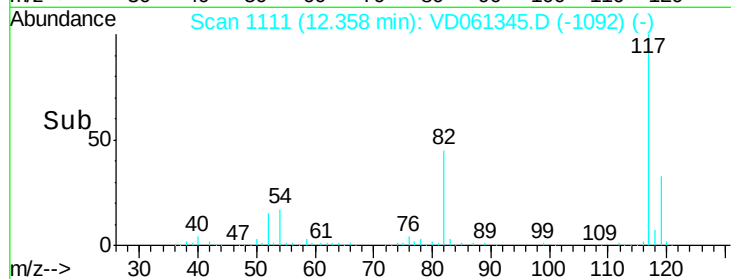
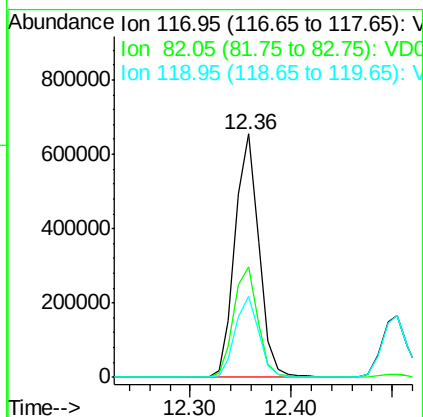
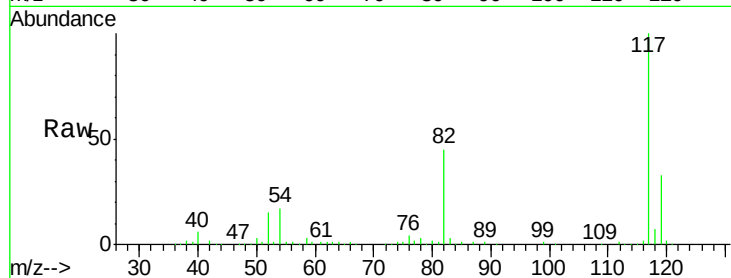
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1076747
Ion Ratio Lower Upper
117 100
82 45.4 35.7 53.5
119 33.5 25.9 38.9

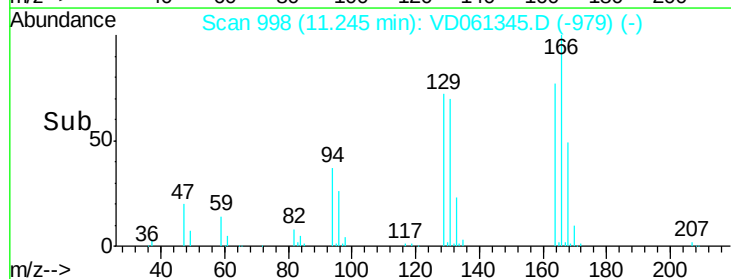
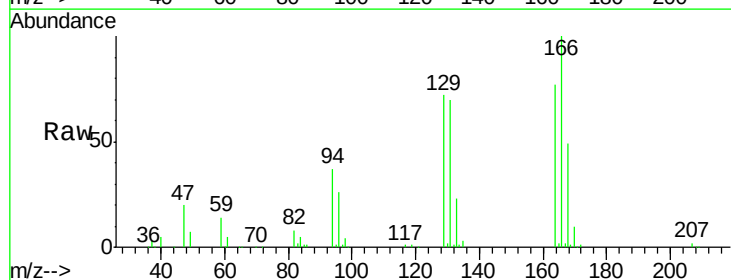
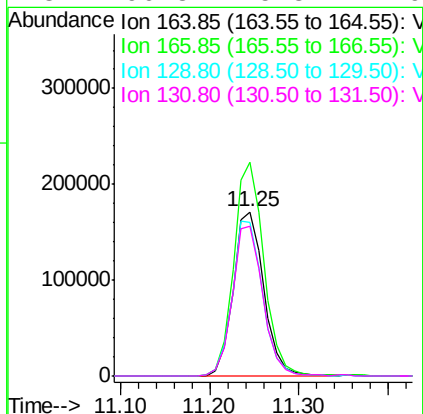
Manual Integrations
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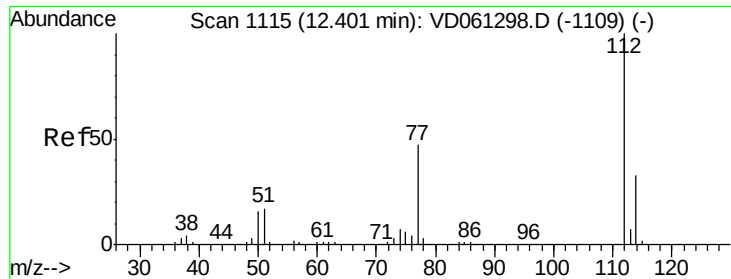
MMDadoda
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#64
Tetrachloroethene
Concen: 55.185 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion:164 Resp: 409328
Ion Ratio Lower Upper
164 100
166 129.9 101.6 152.4
129 93.3 75.9 113.9
131 90.8 75.3 112.9





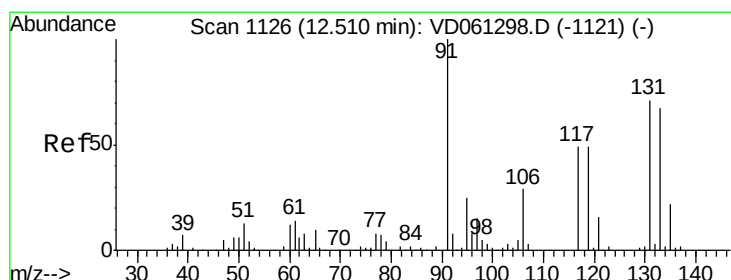
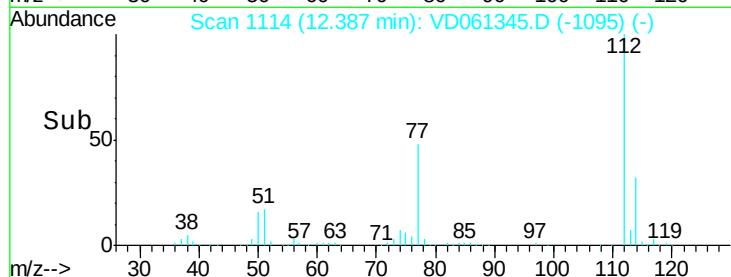
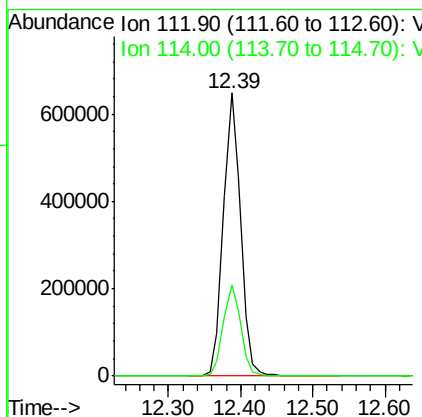
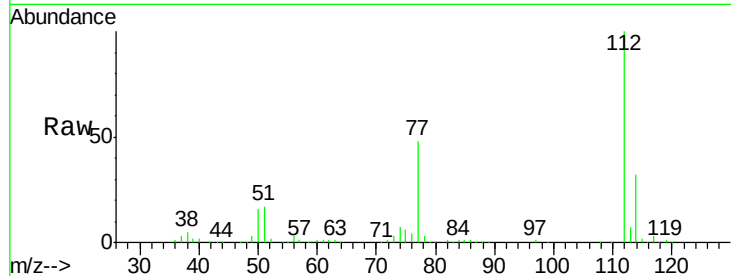
#65
Chlorobenzene
Concen: 54.011 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1071184
Ion Ratio Lower Upper
112 100
114 32.1 26.5 39.7

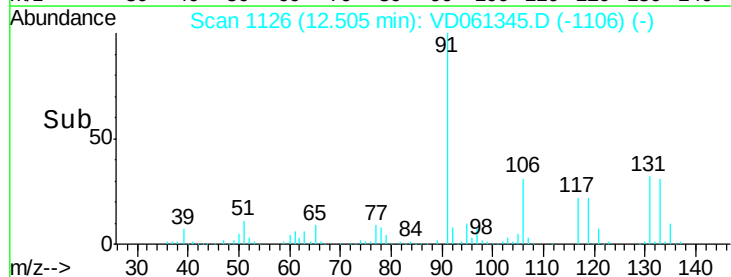
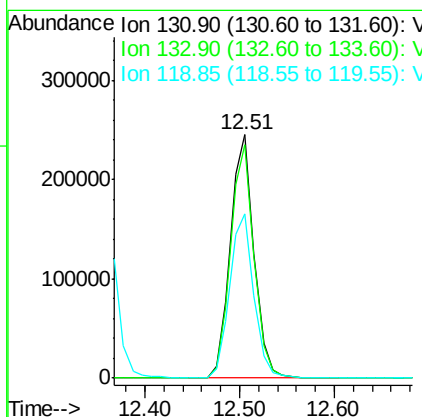
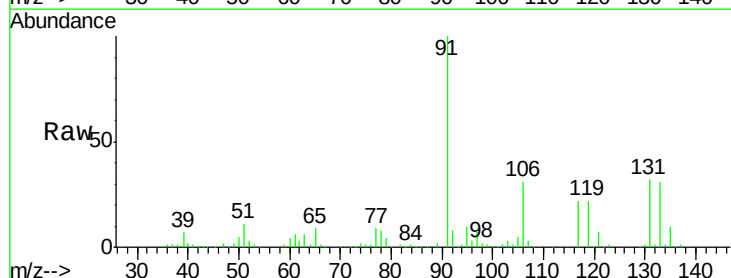
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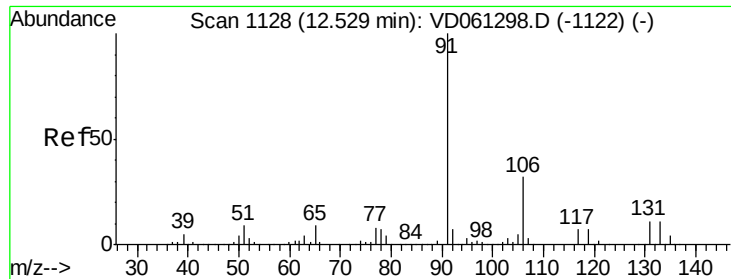
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.103 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion:131 Resp: 423700
Ion Ratio Lower Upper
131 100
133 95.8 47.0 141.2
119 67.2 34.8 104.5





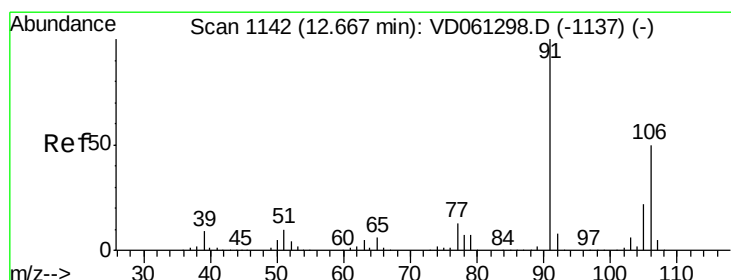
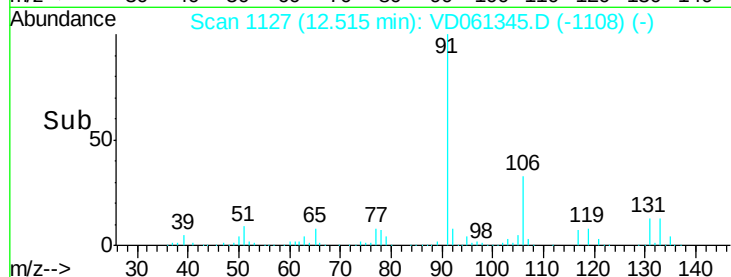
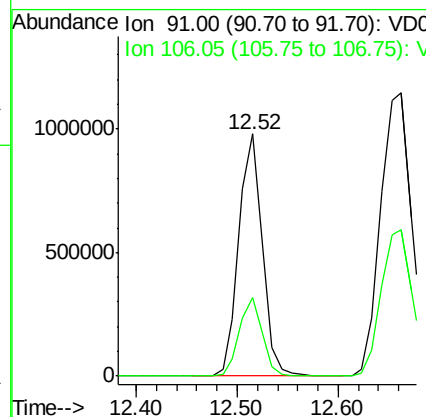
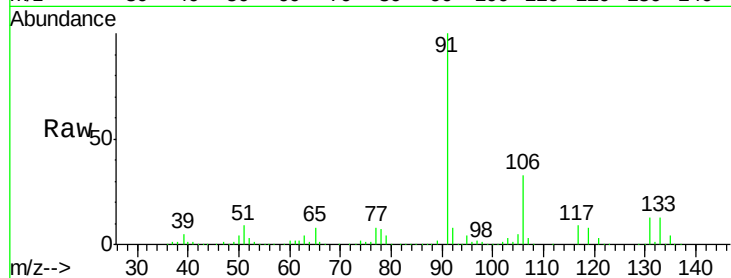
#67
Ethyl Benzene
Concen: 52.189 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion: 91 Resp: 1584050
Ion Ratio Lower Upper
91 100
106 32.6 25.8 38.8

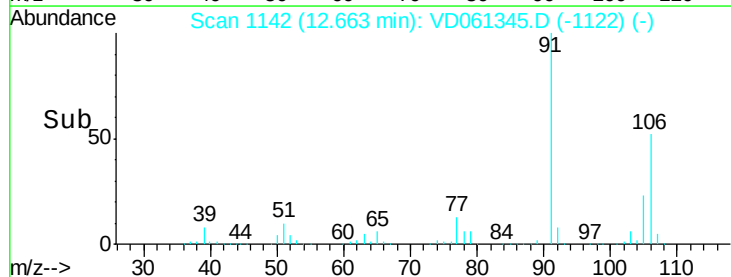
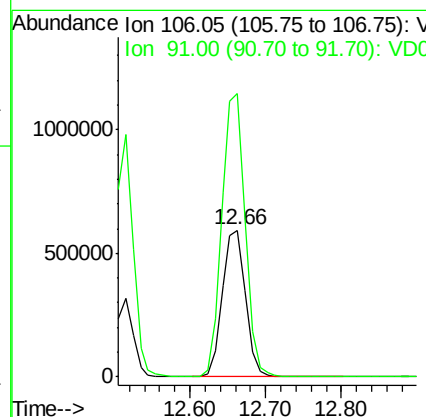
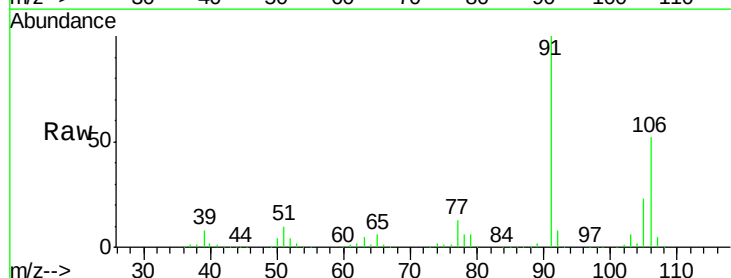
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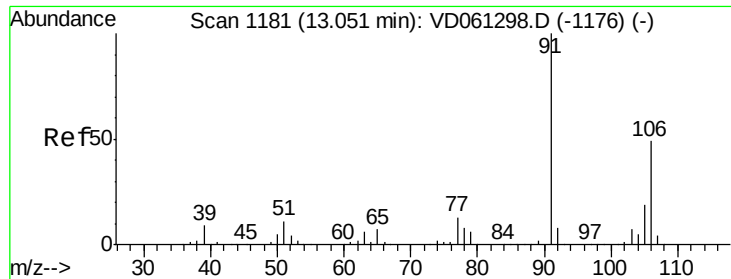
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#68
m/p-Xylenes
Concen: 106.450 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion:106 Resp: 1261217
Ion Ratio Lower Upper
106 100
91 193.2 159.2 238.8





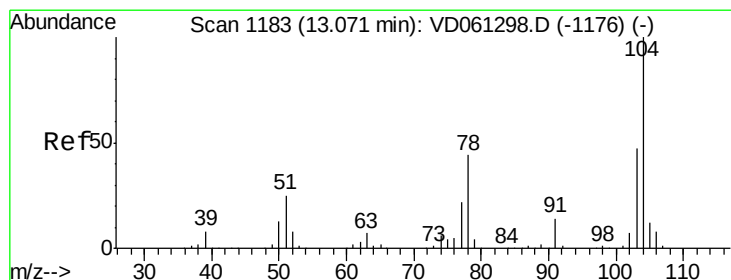
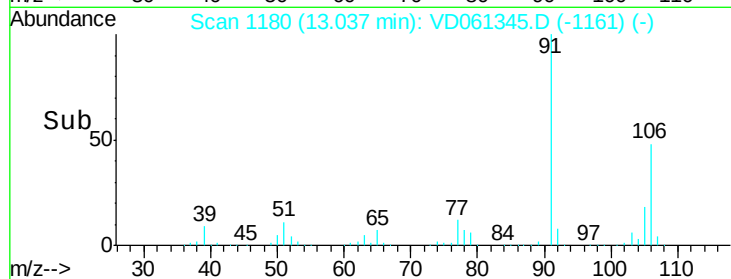
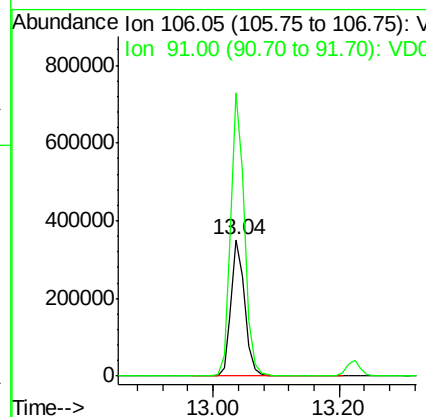
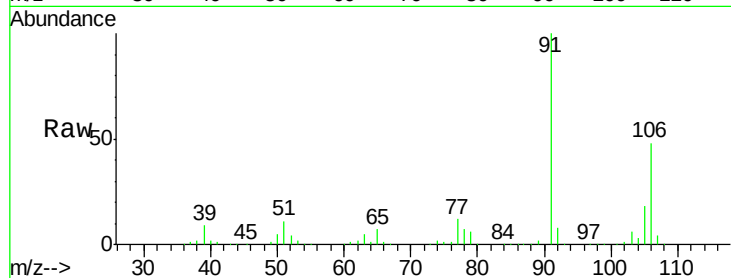
#69
o-Xylene
Concen: 47.682 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 523954
Ion Ratio Lower Upper
106 100
91 207.0 102.5 307.5

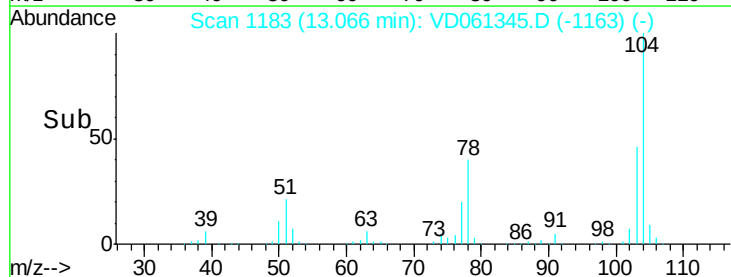
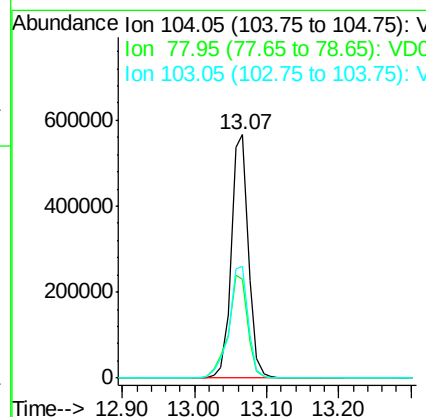
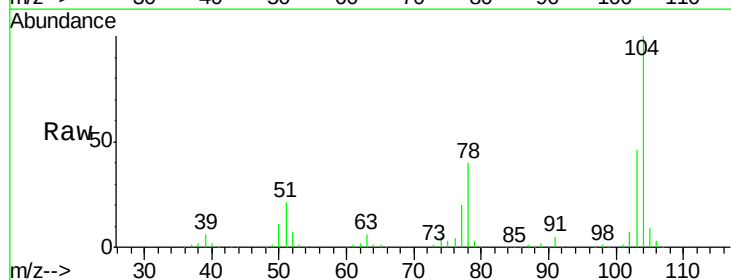
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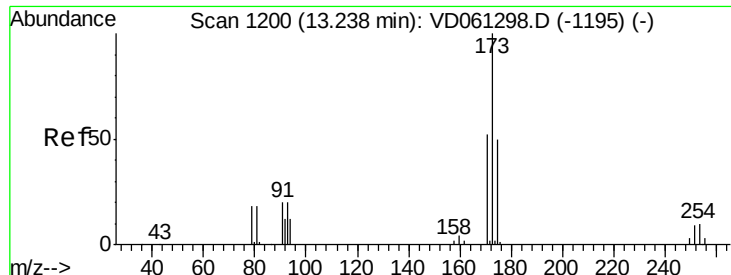
MMDadoda
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#70
Styrene
Concen: 50.001 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion:104 Resp: 932454
Ion Ratio Lower Upper
104 100
78 40.4 35.1 52.7
103 46.1 37.5 56.3





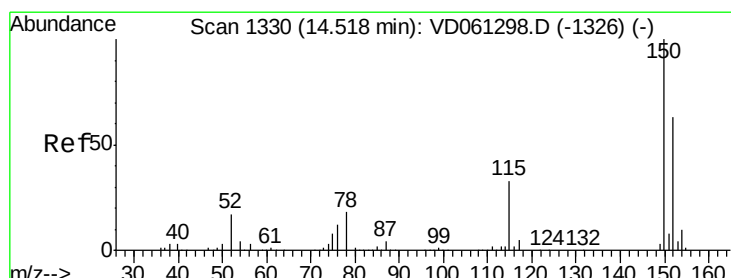
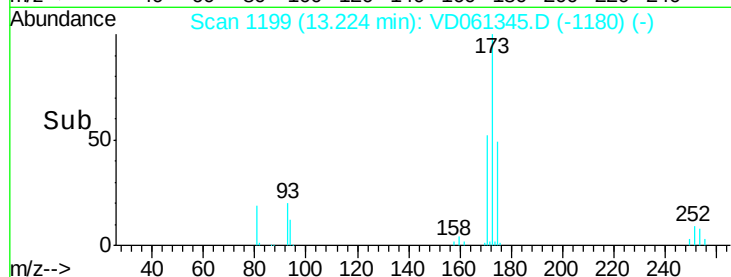
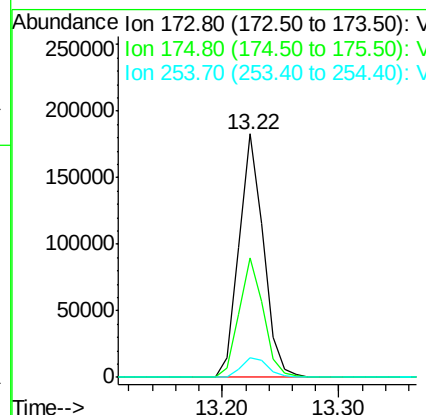
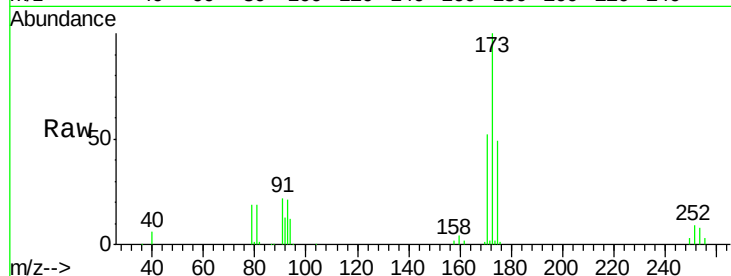
#71
Bromoform
Concen: 56.605 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.9	74.7
254	8.3	7.8	11.6

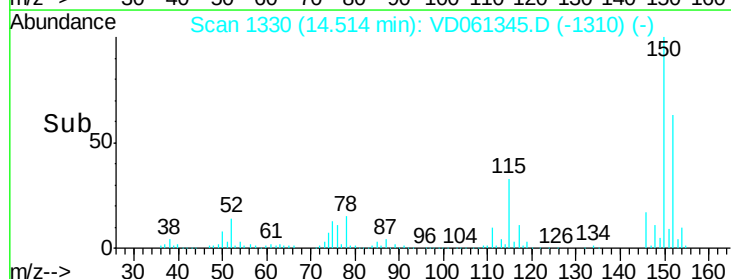
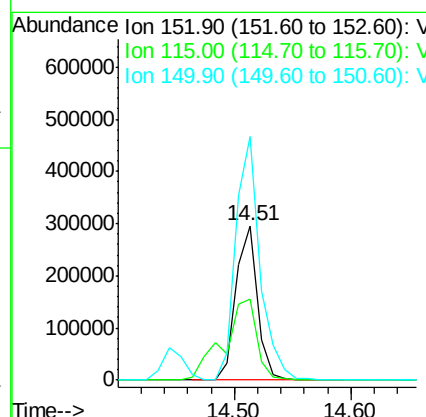
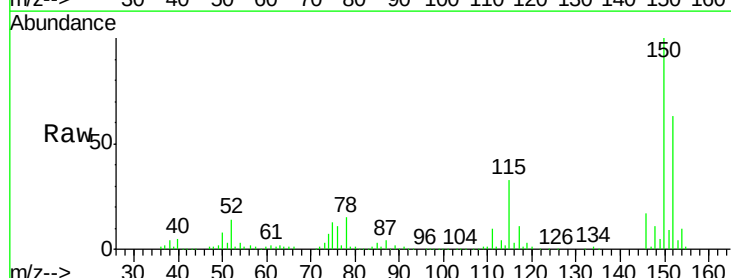
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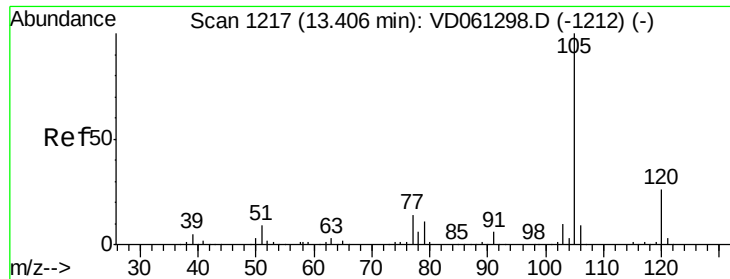
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.6	29.2	87.6
150	157.8	0.0	319.6





#73

Isopropylbenzene

Concen: 63.070 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1570895

Ion Ratio Lower Upper

105 100

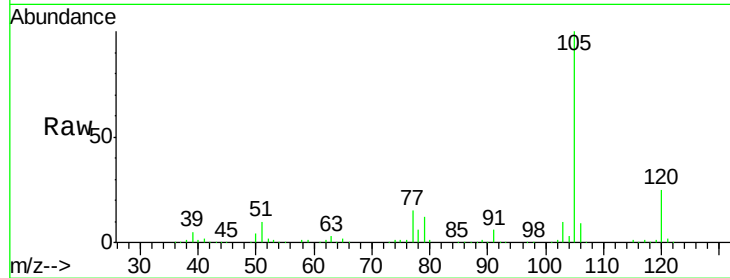
120 24.7 13.1 39.1

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

400000

200000

0

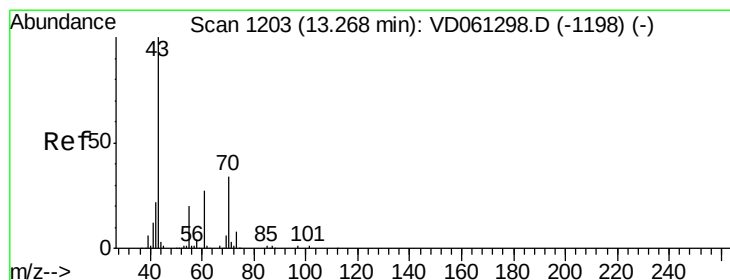
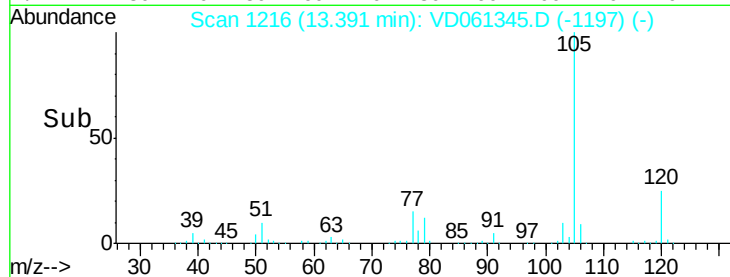
13.39

13.30

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 70.390 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Tgt Ion: 43 Resp: 458687

Ion Ratio Lower Upper

43 100

70 32.1 27.5 41.3

55 19.3 15.7 23.5

61 27.4 21.8 32.6

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

500000

400000

300000

200000

100000

0

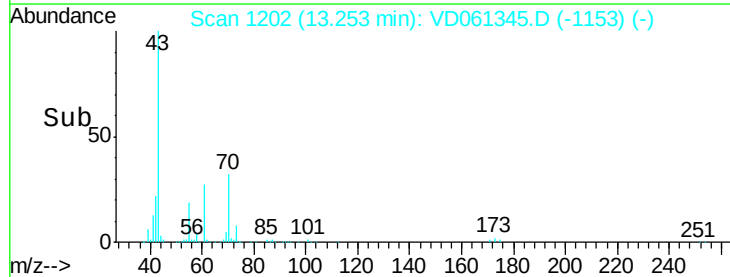
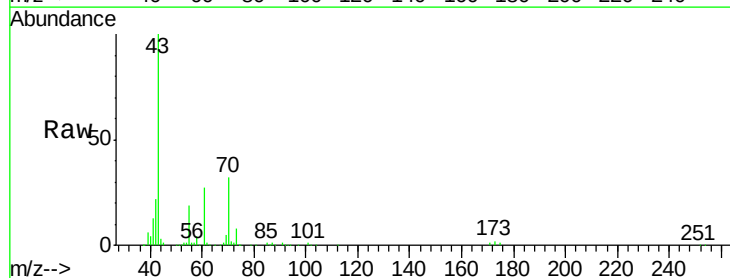
13.25

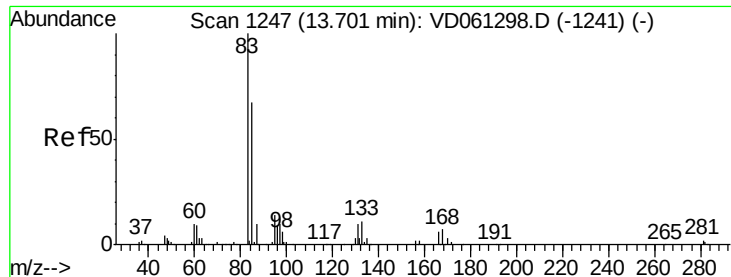
13.20

13.30

13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 66.803 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 322658
Ion Ratio Lower Upper

83 100

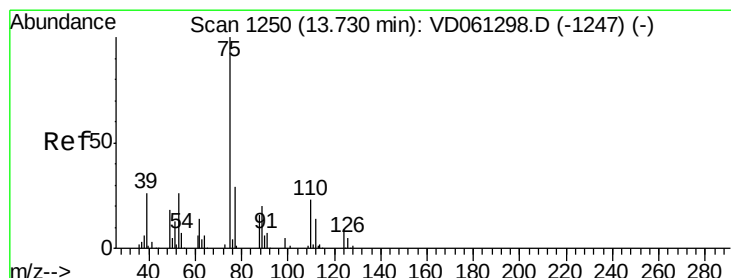
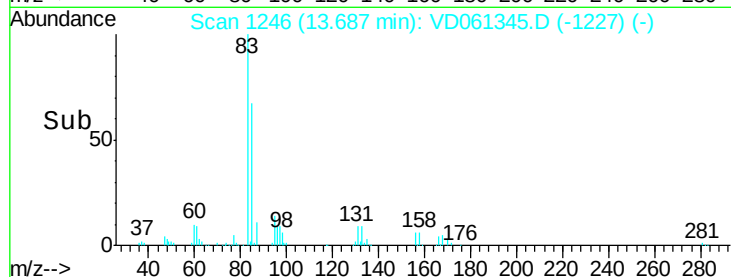
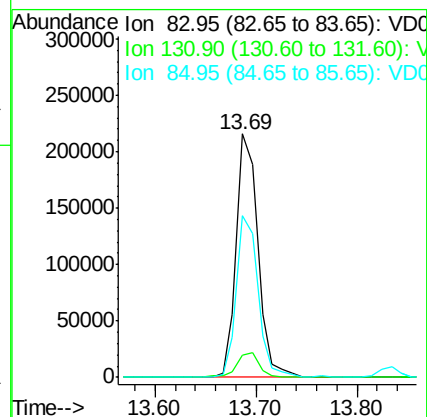
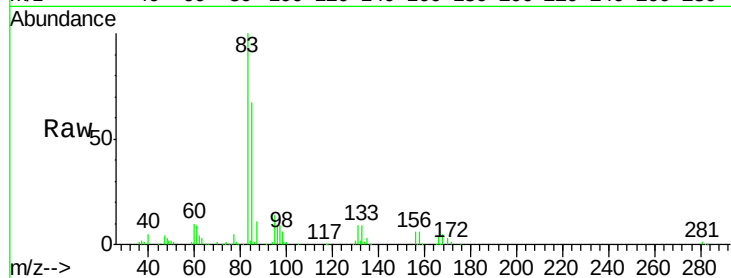
131 9.2 5.0 15.0

85 66.6 33.4 100.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 72.763 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

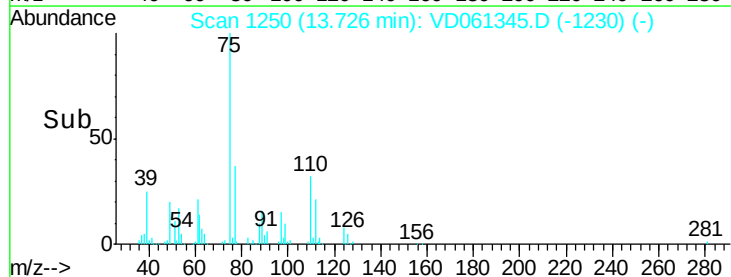
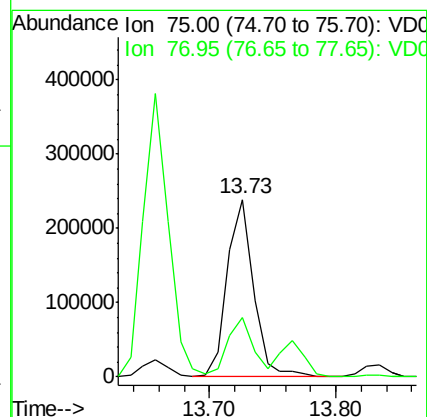
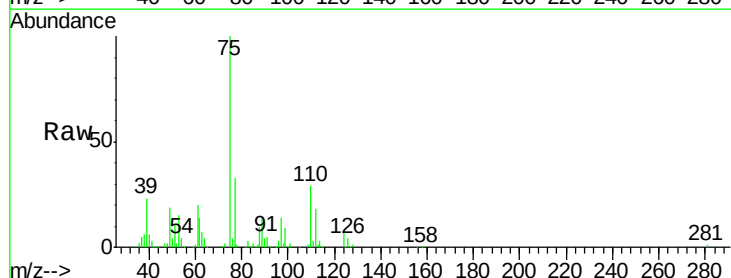
Lab File: VD061345.D

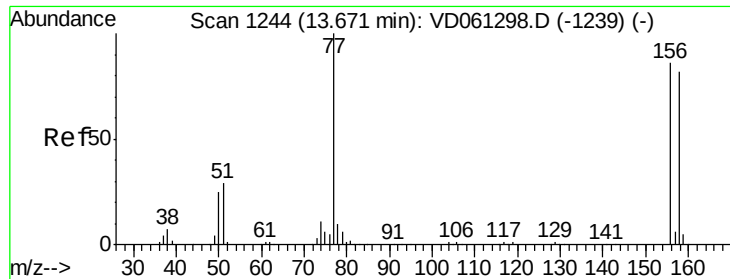
Acq: 26 Mar 2019 20:22

Tgt Ion: 75 Resp: 346516
Ion Ratio Lower Upper

75 100

77 33.2 15.8 47.4





#77

Bromobenzene

Concen: 62.327 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 433622

Ion Ratio Lower Upper

156 100

77 128.4 58.4 175.1

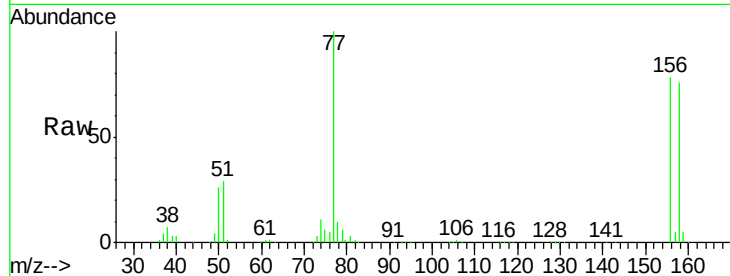
158 97.5 48.1 144.3

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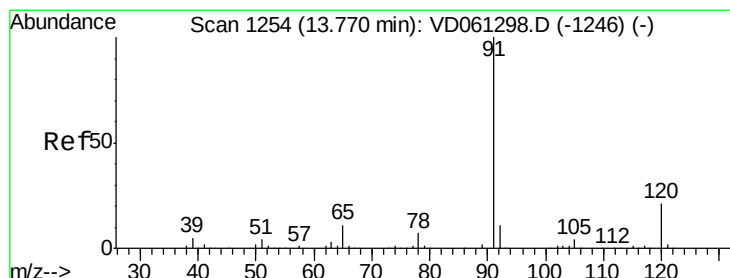
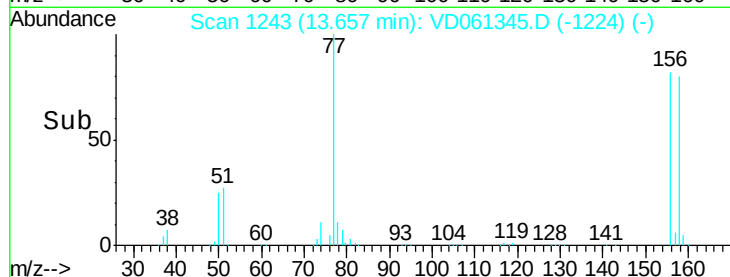
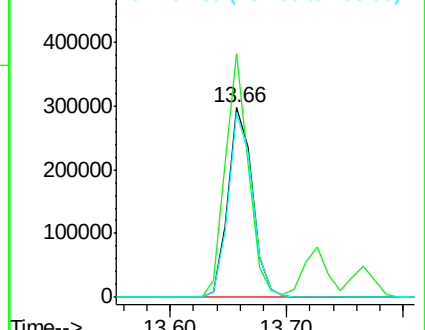
3/27/2019 12:02:29 PM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 67.394 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061345.D

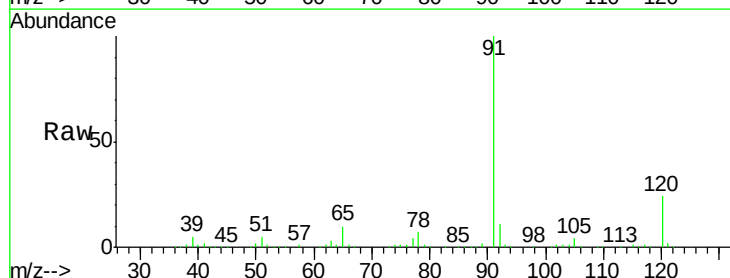
Acq: 26 Mar 2019 20:22

Tgt Ion: 91 Resp: 1893791

Ion Ratio Lower Upper

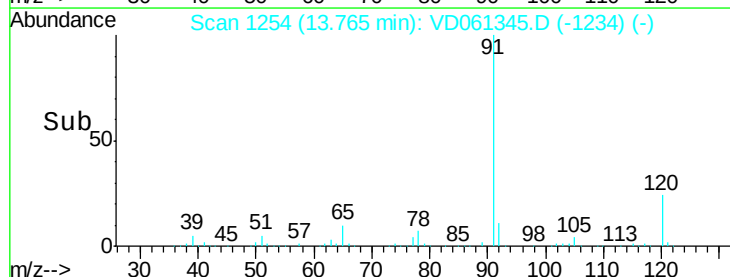
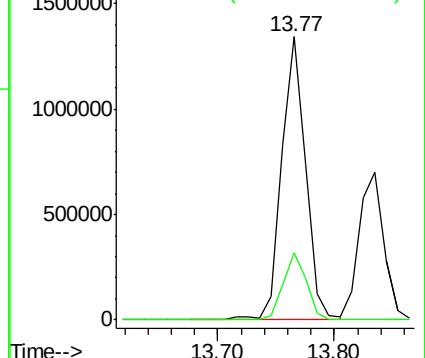
91 100

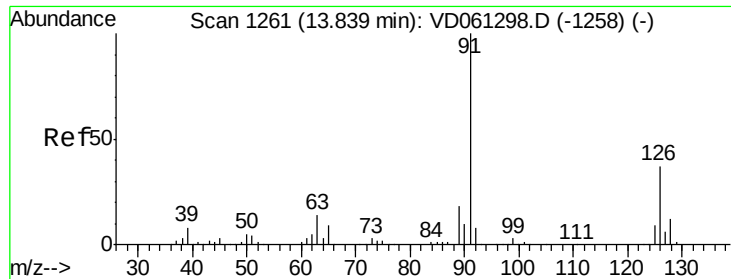
120 23.6 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 63.195 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1033927

Ion Ratio Lower Upper

91 100

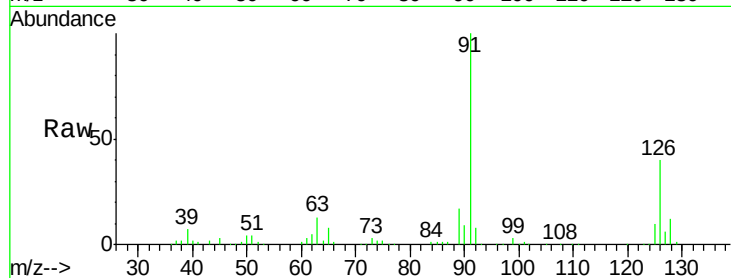
126 39.8 18.4 55.4

Manual Integrations

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

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

1500000

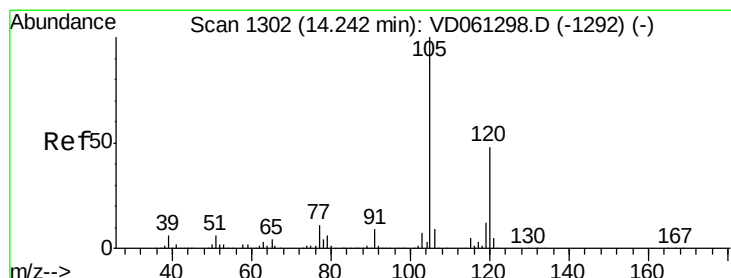
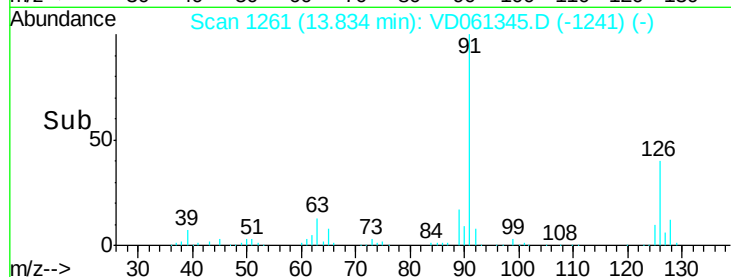
1000000

500000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 60.410 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD061345.D

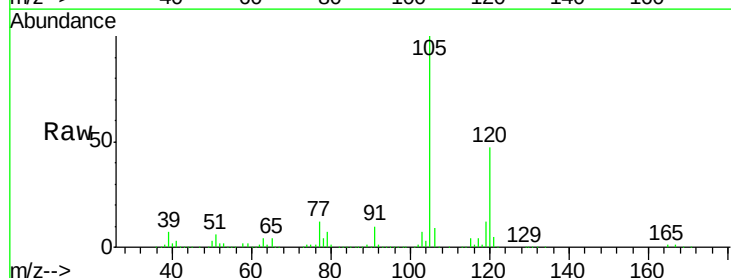
Acq: 26 Mar 2019 20:22

Tgt Ion:105 Resp: 1186978

Ion Ratio Lower Upper

105 100

120 46.8 23.8 71.4



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

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

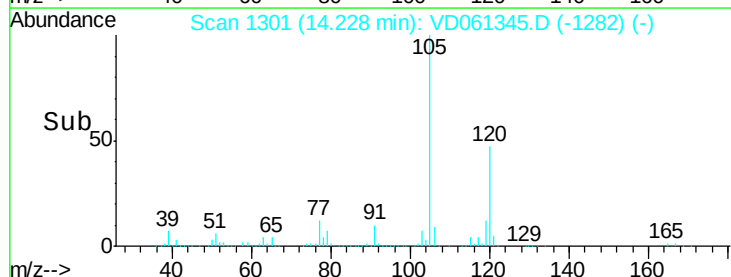
1000000

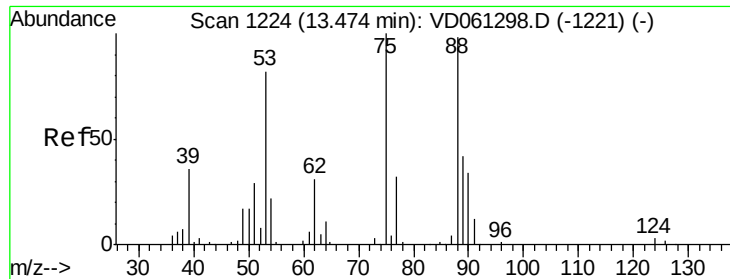
500000

0

14.10 14.20 14.30

Time-->





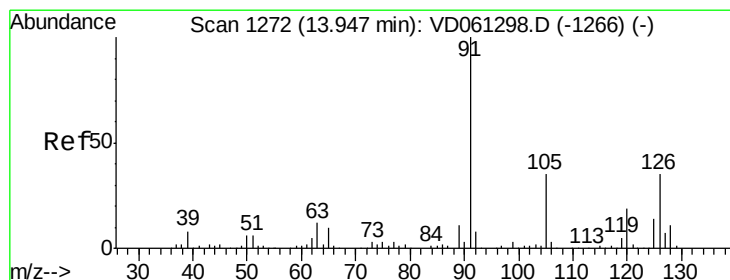
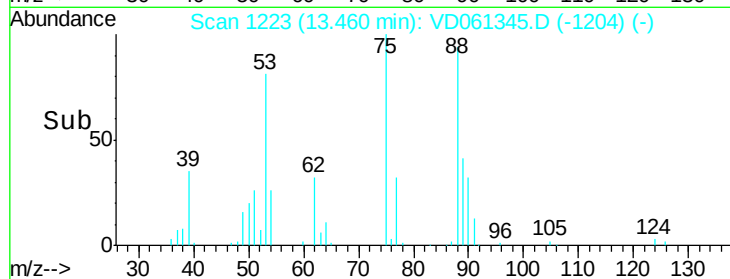
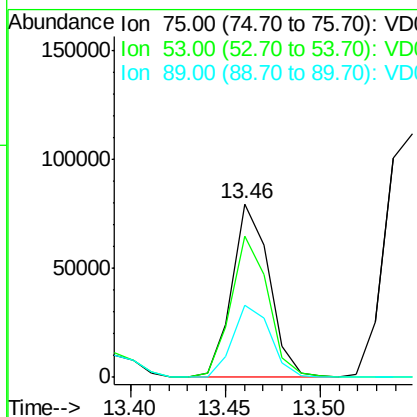
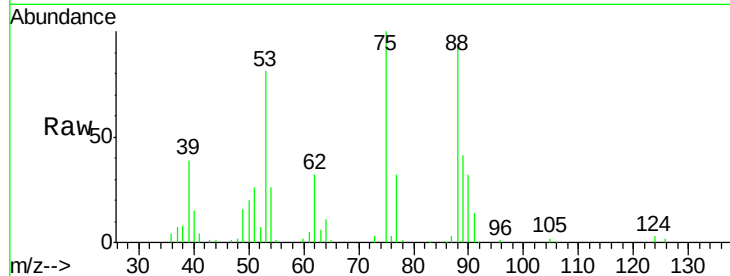
#81
trans-1,4-Dichloro-2-butene
Concen: 72.300 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.2	65.3	97.9
89	41.2	33.8	50.6

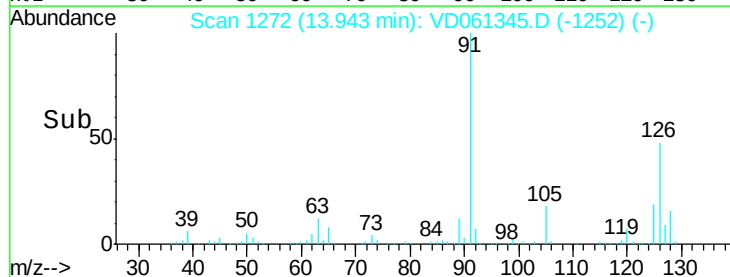
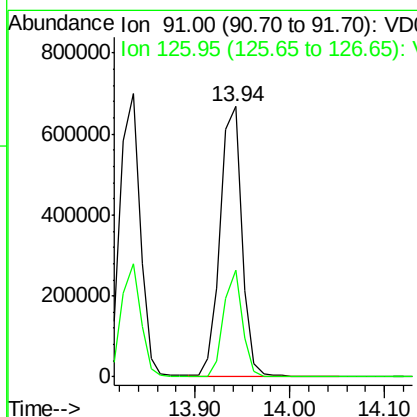
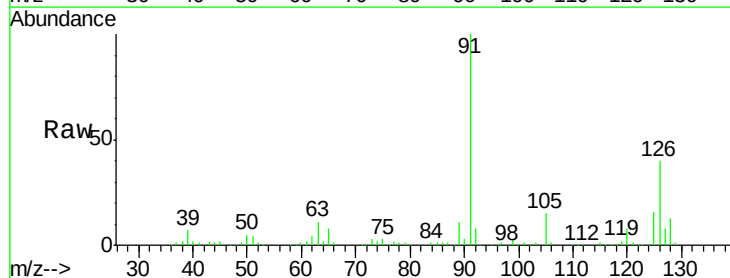
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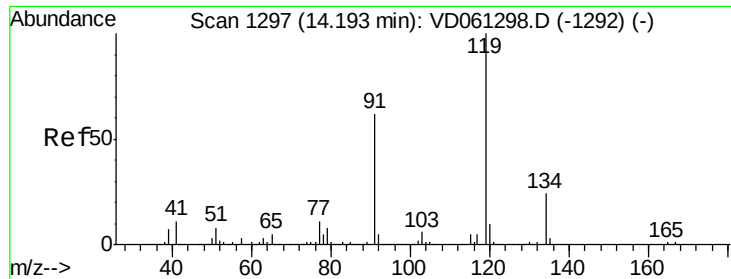
MMDadoda
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#82
4-Chlorotoluene
Concen: 59.562 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061345.D
Acq: 26 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.6	17.7	53.1





#83

tert-Butylbenzene

Concen: 63.765 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1430530

Ion Ratio Lower Upper

119 100

91 65.0 31.1 93.5

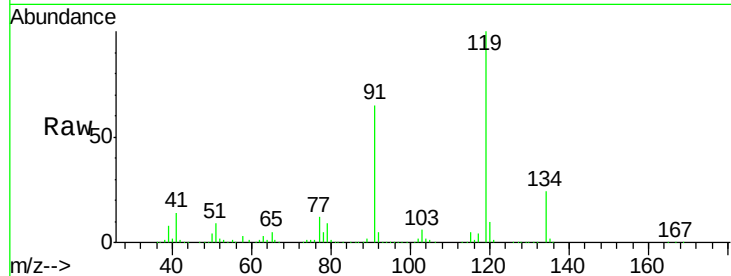
134 23.6 11.9 35.7

Manual Integrations

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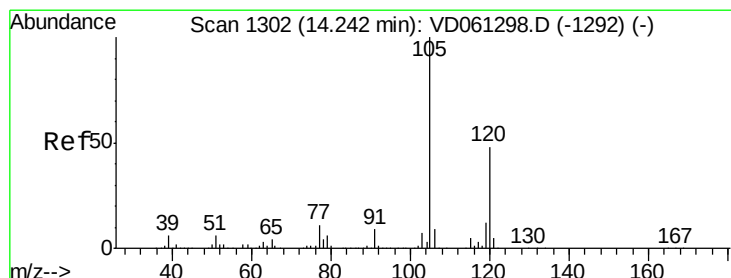
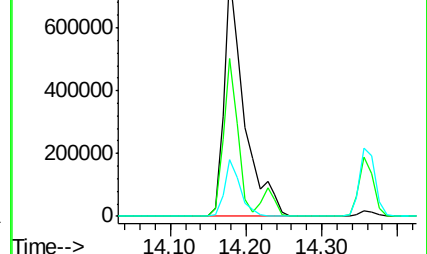
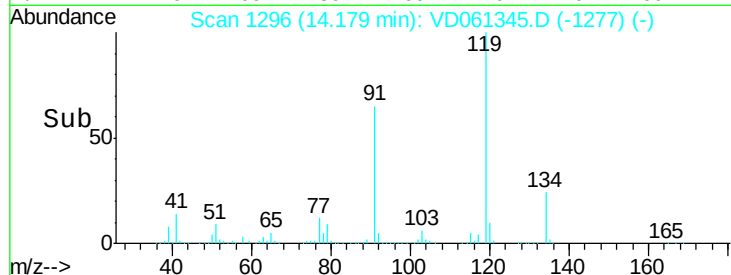


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 60.410 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.01 min

Lab File: VD061345.D

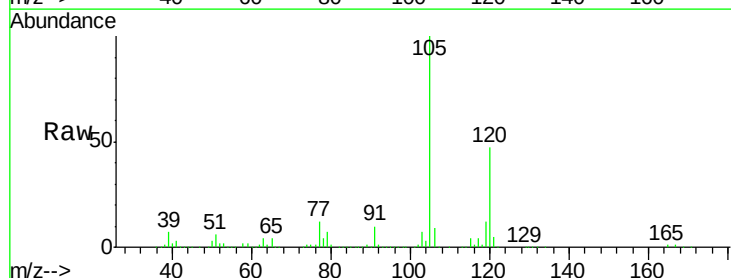
Acq: 26 Mar 2019 20:22

Tgt Ion:105 Resp: 1186978

Ion Ratio Lower Upper

105 100

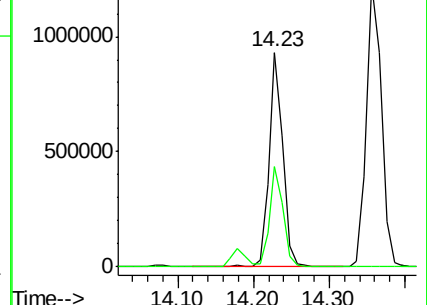
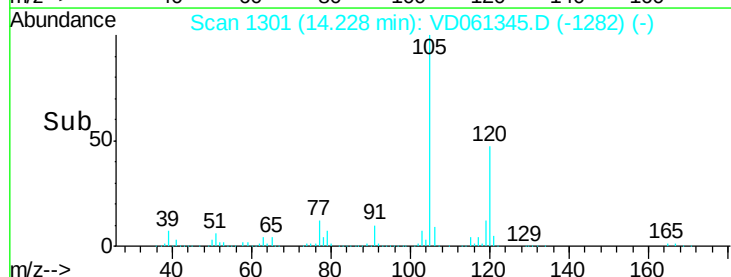
120 46.8 23.8 71.4

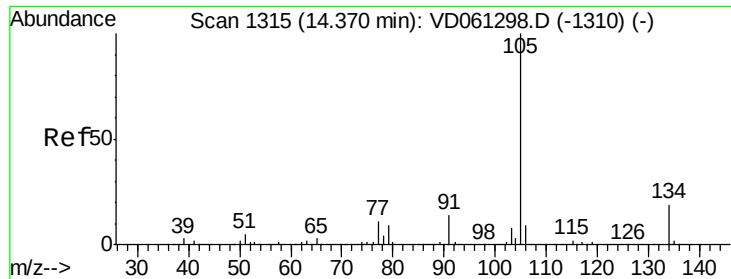


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

Time-->





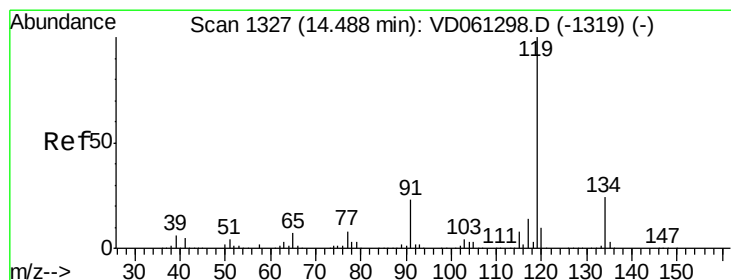
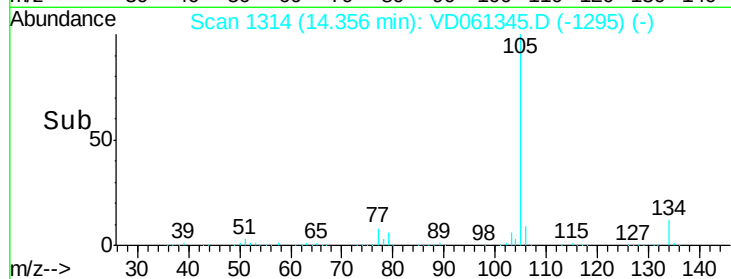
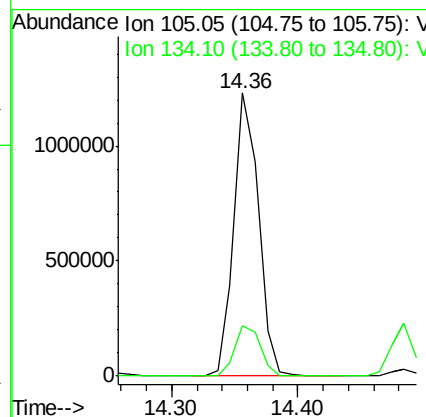
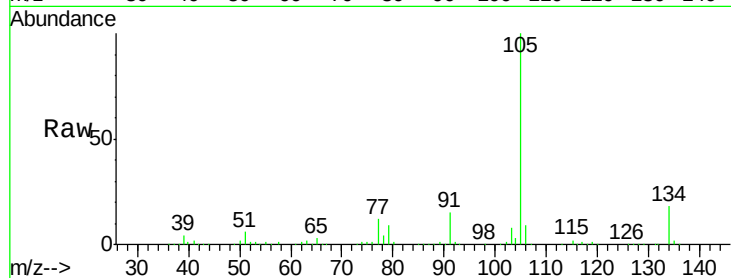
#85
 sec-Butylbenzene
 Concen: 66.095 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1651335
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.5 28.5

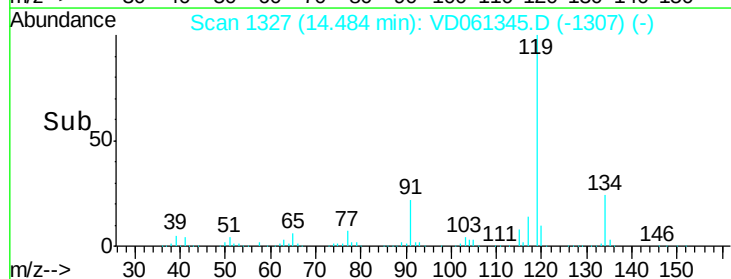
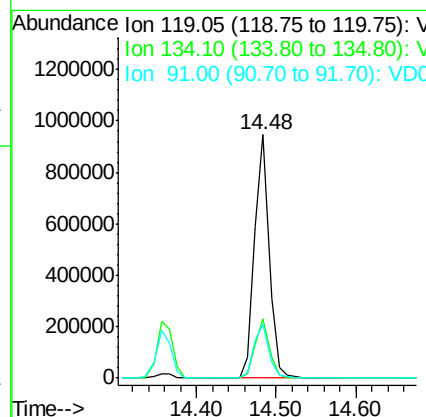
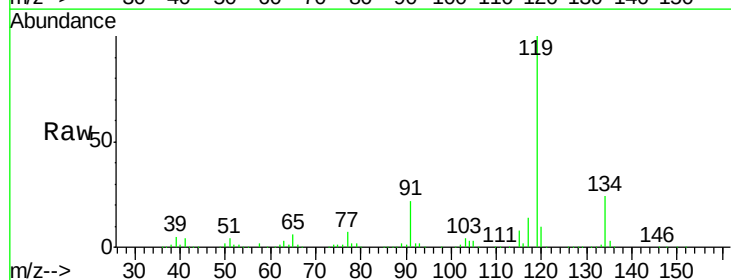
Manual Integrations
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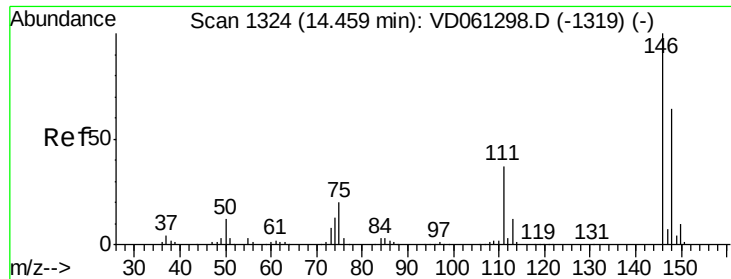
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#86
 p-Isopropyltoluene
 Concen: 53.006 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Tgt Ion:119 Resp: 1181510
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.1 36.3
 91 22.3 11.4 34.2





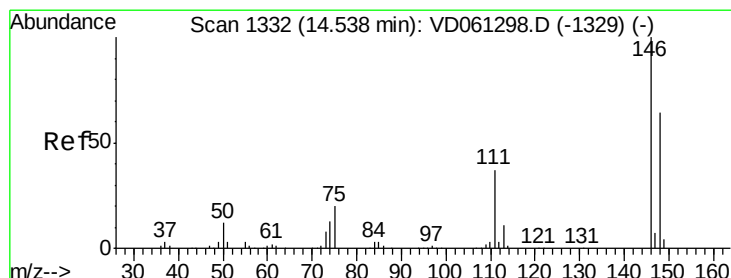
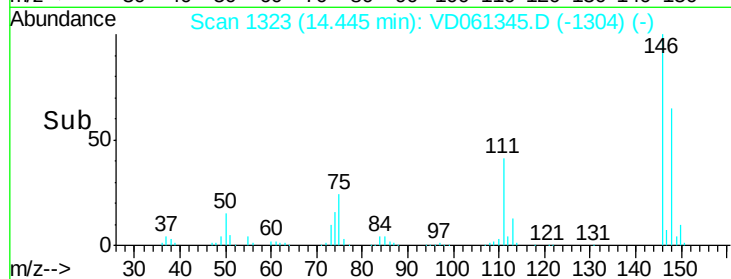
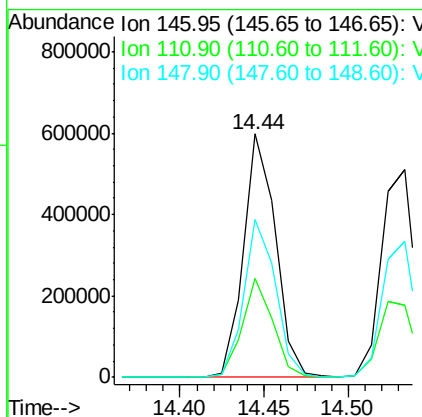
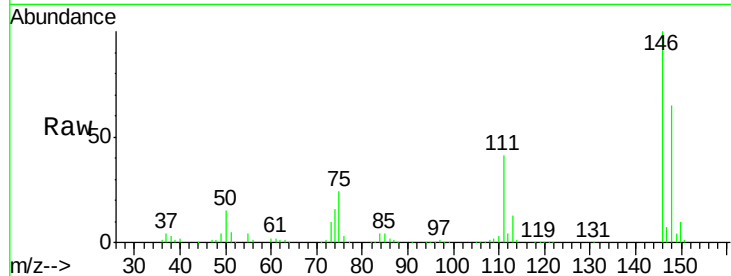
#87
 1,3-Dichlorobenzene
 Concen: 63.985 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.4	55.0
148	64.6	32.0	96.2

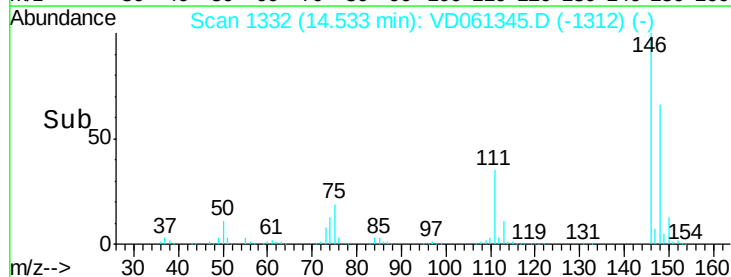
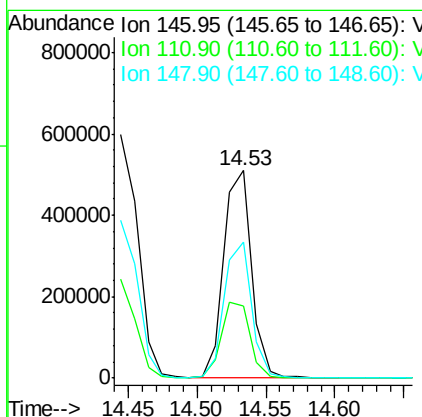
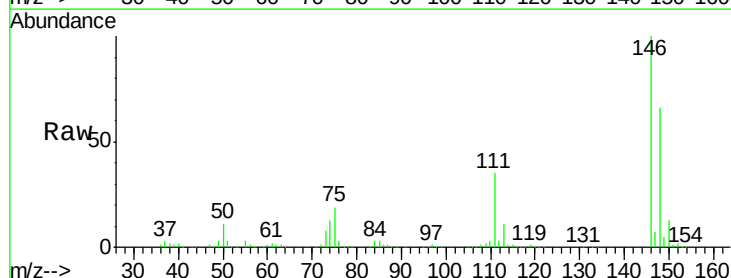
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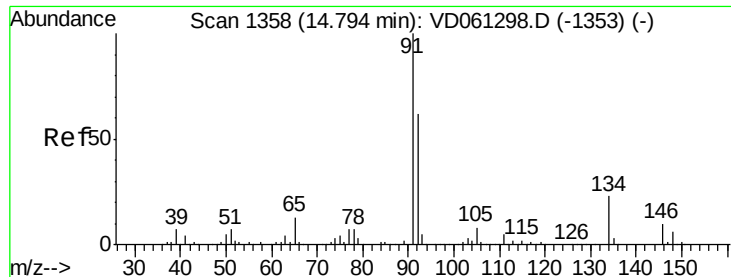
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#88
 1,4-Dichlorobenzene
 Concen: 59.713 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	18.6	55.6
148	65.6	31.9	95.5





#89

n-Butylbenzene

Concen: 63.370 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1254067

Ion Ratio Lower Upper

91 100

92 60.3 30.9 92.7

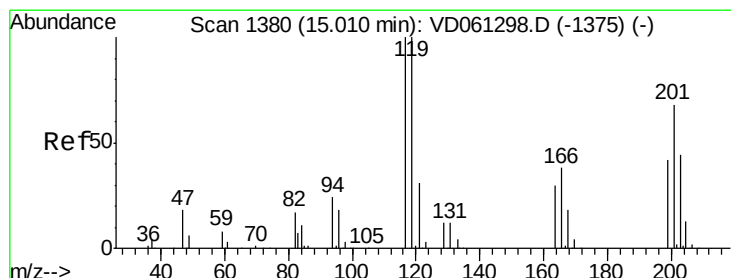
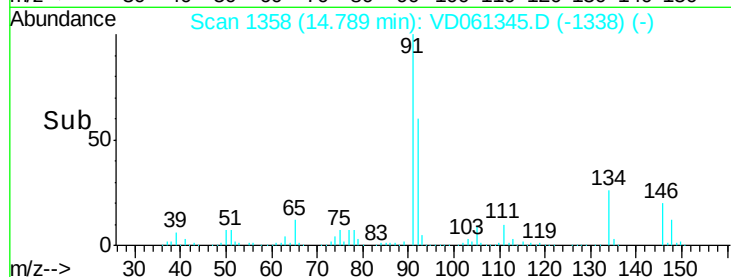
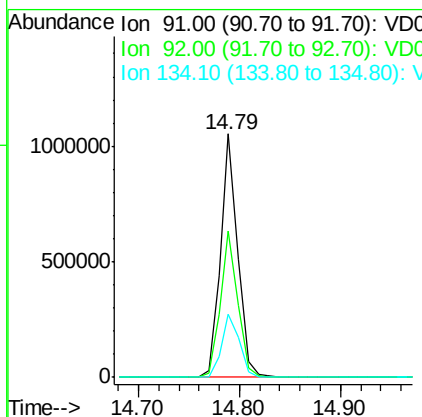
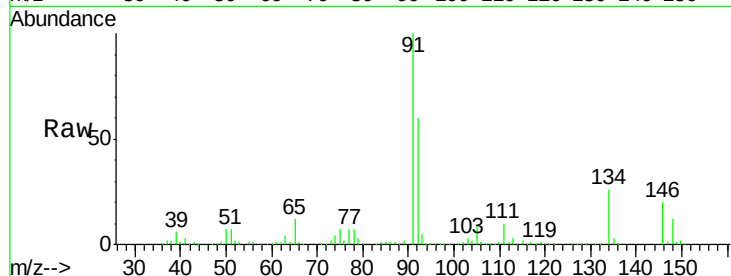
134 26.0 11.7 35.0

Manual Integrations

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#90

Hexachloroethane

Concen: 65.368 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061345.D

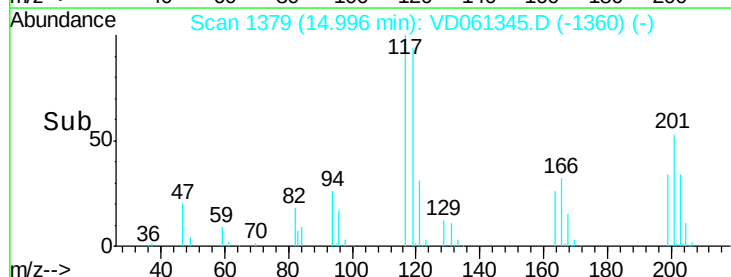
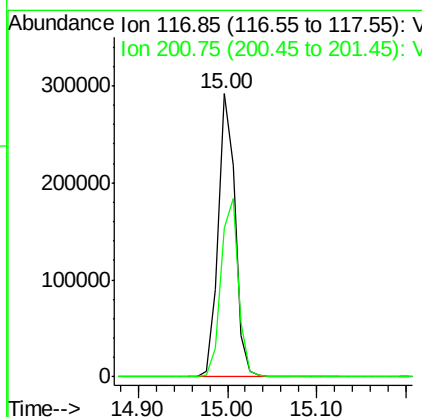
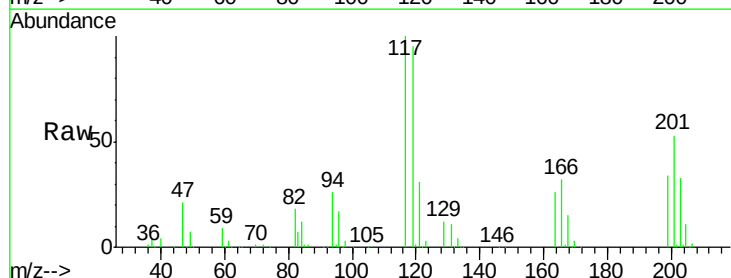
Acq: 26 Mar 2019 20:22

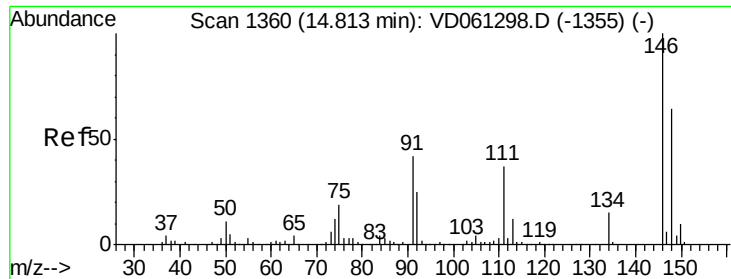
Tgt Ion: 117 Resp: 390657

Ion Ratio Lower Upper

117 100

201 52.7 34.0 101.8





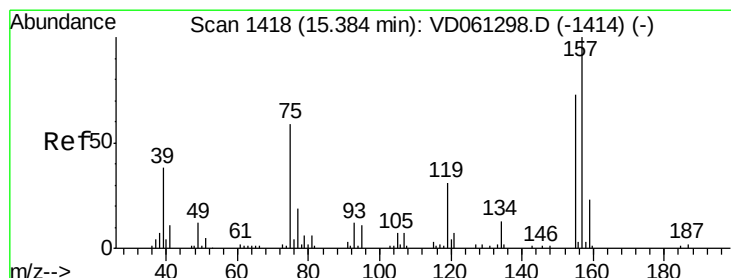
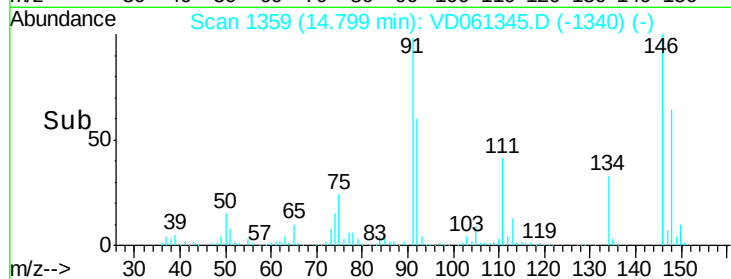
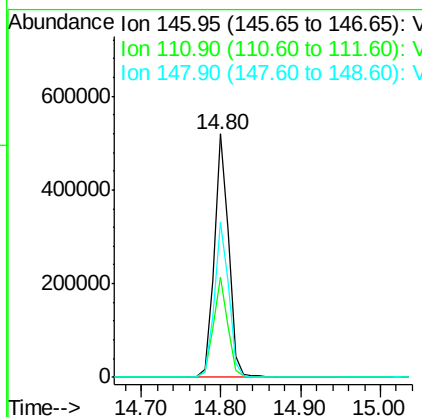
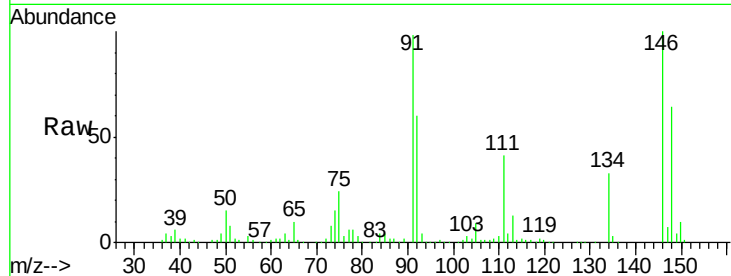
#91
 1,2-Dichlorobenzene
 Concen: 67.162 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.3	54.8
148	64.0	31.9	95.7

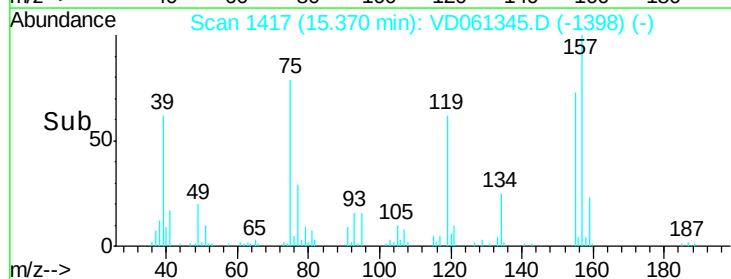
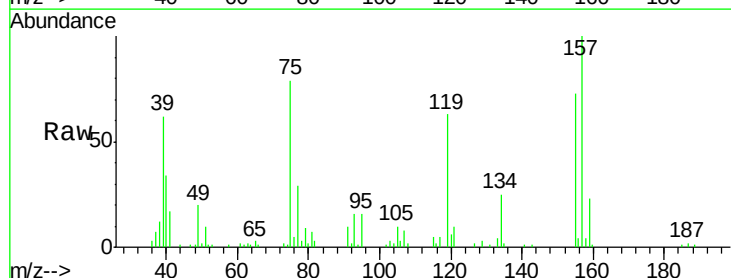
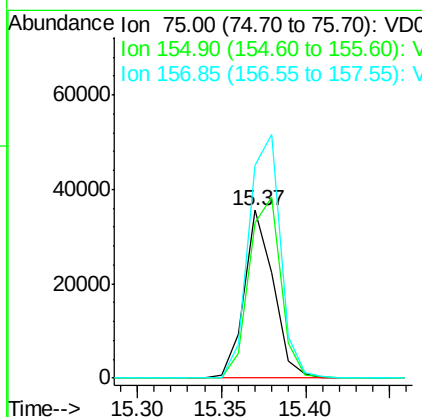
Manual Integrations
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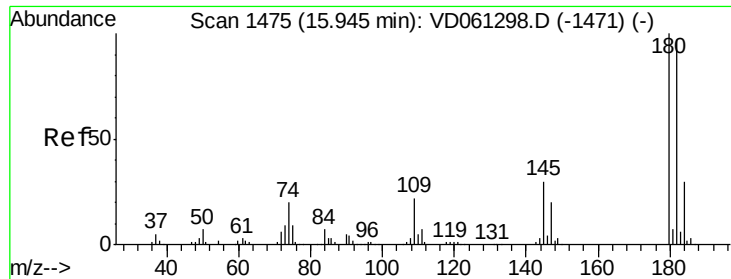
MMDadoda
 3/27/2019 12:02:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 70.835 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	61.9	185.7
157	126.9	84.4	253.2





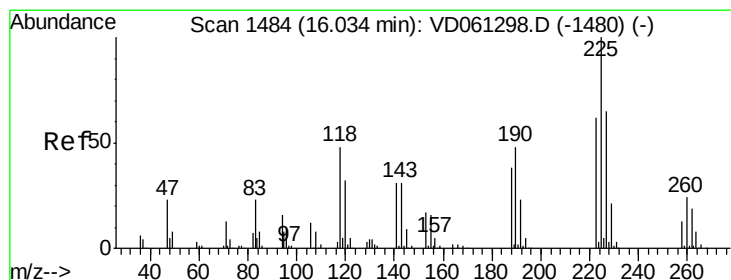
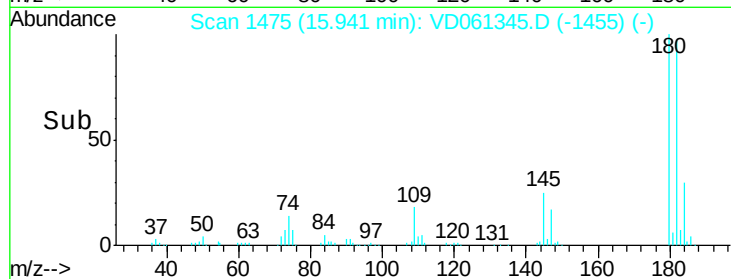
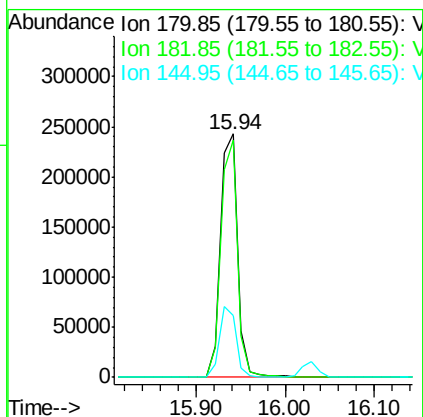
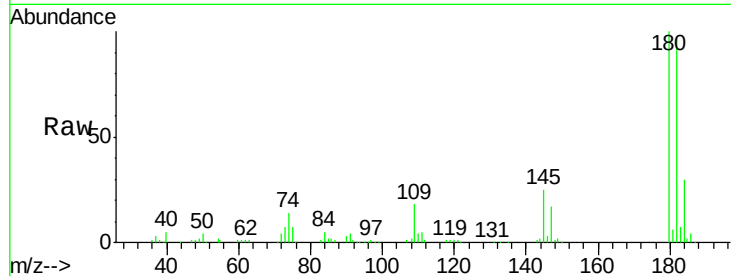
#93
 1,2,4-Trichlorobenzene
 Concen: 73.082 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.3	144.9
145	25.3	14.8	44.4

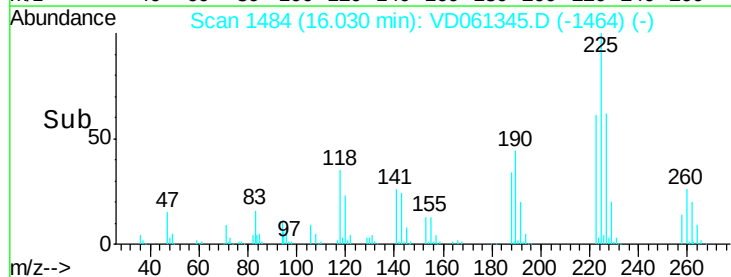
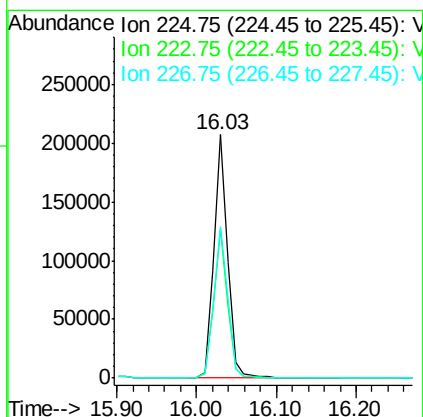
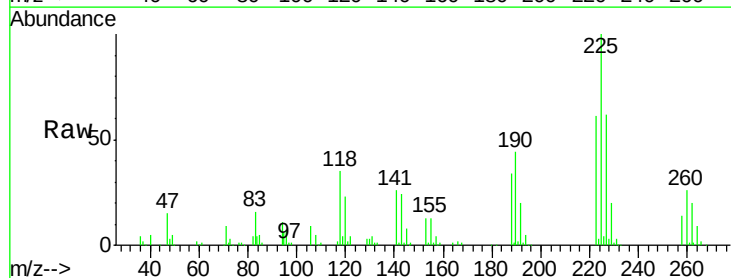
Manual Integrations
 APPROVED

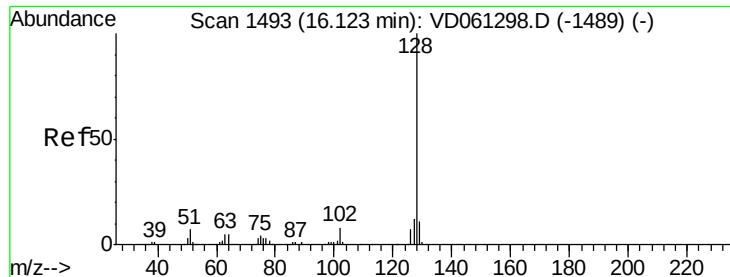
MMDadoda
 3/27/2019 12:02:29 PM



#94
 Hexachlorobutadiene
 Concen: 68.961 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061345.D
 Acq: 26 Mar 2019 20:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	30.9	92.8
227	62.2	32.6	97.7





#95

Naphthalene

Concen: 80.108 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Instrument :

MSVOA_D

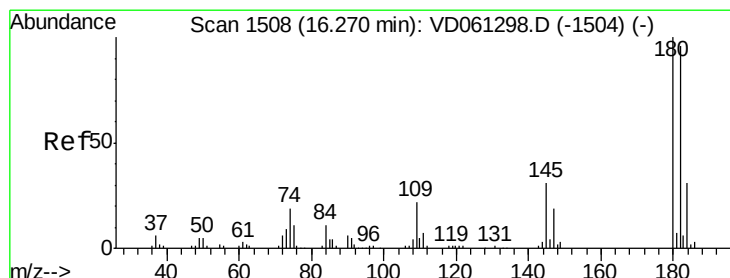
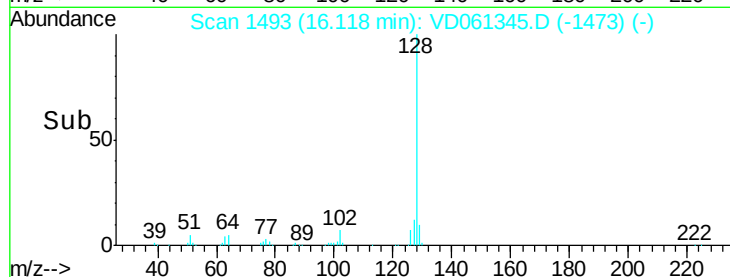
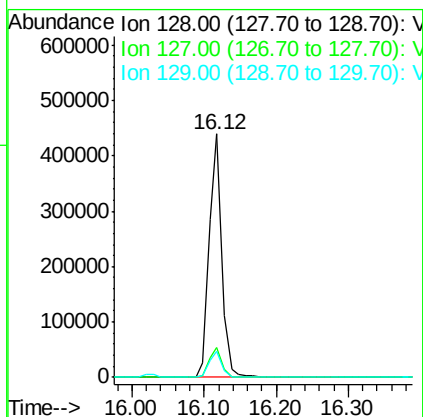
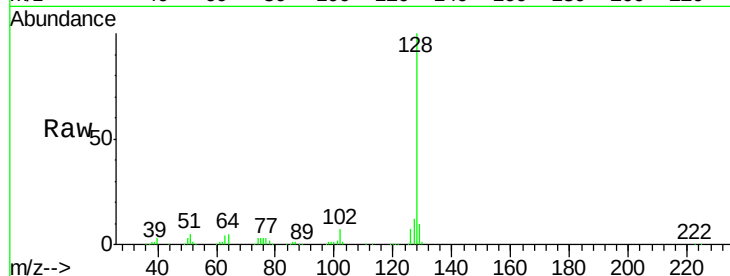
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	531189
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.8	14.6
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/27/2019 12:02:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 74.778 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD061345.D

Acq: 26 Mar 2019 20:22

Tgt Ion:	180	Resp:	158719
Ion Ratio	Lower	Upper	
180	100		
182	94.6	48.0	144.2
145	27.9	15.4	46.4

