

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061576.D
 Acq On : 4 Apr 2019 13:37
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:37:03 PM

Quant Time: Apr 05 01:13:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	710580	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1023684	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.35	117	799300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	402880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	266783	43.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.90%	
35) Dibromofluoromethane	6.90	113	422982	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
50) Toluene-d8	10.39	98	1043572	55.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.24%	
62) 4-Bromofluorobenzene	13.55	95	408971	56.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	336187	44.301	ug/l	100
3) Chloromethane	1.75	50	250138	40.417	ug/l	99
4) Vinyl Chloride	1.85	62	249224	43.857	ug/l	98
5) Bromomethane	2.15	94	49378	43.820	ug/l #	97
6) Chloroethane	2.26	64	81921	49.159	ug/l	97
7) Trichlorofluoromethane	2.53	101	371667	44.978	ug/l	100
8) Diethyl Ether	2.86	74	120215	45.185	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	412227	46.403	ug/l	95
10) Methyl Iodide	3.30	142	585021	43.781	ug/l	100
11) Tert butyl alcohol	4.05	59	88973	235.363	ug/l	100
12) 1,1-Dichloroethene	3.12	96	353157	46.303	ug/l	97
13) Acrolein	3.02	56	66496	228.941	ug/l	98
14) Allyl chloride	3.61	41	493456	46.386	ug/l	98
15) Acrylonitrile	4.18	53	301740	229.976	ug/l	96
16) Acetone	3.21	43	434589	278.510	ug/l	99
17) Carbon Disulfide	3.37	76	1032295	41.657	ug/l	99
18) Methyl Acetate	3.62	43	155673	47.449	ug/l	97
19) Methyl tert-butyl Ether	4.21	73	620102	46.968	ug/l	99
20) Methylene Chloride	3.80	84	422320	48.245	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	378182	45.926	ug/l	99
22) Diisopropyl ether	5.10	45	1047975	46.552	ug/l	98
23) Vinyl Acetate	5.04	43	2775594	226.982	ug/l	99
24) 1,1-Dichloroethane	4.96	63	592469	44.782	ug/l	100
25) 2-Butanone	6.04	43	458408	233.541	ug/l	96
26) 2,2-Dichloropropane	6.00	77	505723	48.086	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	407331	45.149	ug/l	94
28) Bromochloromethane	6.42	49	257038	48.130	ug/l #	99
29) Tetrahydrofuran	6.44	42	229760	241.500	ug/l	99
30) Chloroform	6.64	83	654236	47.859	ug/l	97
31) Cyclohexane	6.93	56	461641	44.156	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	559021	46.353	ug/l	98
36) 1,1-Dichloropropene	7.13	75	454502	50.871	ug/l	98
37) Ethyl Acetate	6.16	43	217320	56.874	ug/l	99
38) Carbon Tetrachloride	7.09	117	554448m	54.005	ug/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	480343	51.621	ug/l	98
40) Benzene	7.43	78	1155309	51.523	ug/l	97
41) Methacrylonitrile	6.42	41	253377	56.713	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	380413	56.716	ug/l	99
43) Isopropyl Acetate	9.22	43	296842	53.393	ug/l #	97
44) Trichloroethene	8.53	130	447472	53.624	ug/l	98
45) 1,2-Dichloropropane	8.92	63	301905	53.098	ug/l	97
46) Dibromomethane	9.05	93	217701	56.886	ug/l	99
47) Bromodichloromethane	9.36	83	480308	55.918	ug/l	99
48) Methyl methacrylate	9.10	41	178061	58.033	ug/l	100
49) 1,4-Dioxane	9.06	88	40278	1190.158	ug/l	94
51) 4-Methyl-2-Pentanone	10.28	43	969870	286.741	ug/l	98
52) Toluene	10.49	92	729157	53.302	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	434604	55.690	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	524766	55.223	ug/l	97
55) 1,1,2-Trichloroethane	11.17	97	234382	48.992	ug/l	99
56) Ethyl methacrylate	11.03	69	281383	54.750	ug/l	96
57) 1,3-Dichloropropane	11.39	76	387479	55.104	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	677663	270.755	ug/l	99
59) 2-Hexanone	11.52	43	685792	279.841	ug/l	98
60) Dibromochloromethane	11.67	129	404559	54.854	ug/l	99
61) 1,2-Dibromoethane	11.79	107	296287	53.484	ug/l	98
64) Tetrachloroethene	11.24	164	331626	52.865	ug/l	98
65) Chlorobenzene	12.38	112	912191	55.843	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.50	131	378022	59.769	ug/l	98
67) Ethyl Benzene	12.51	91	1443862	57.909	ug/l	98
68) m/p-Xylenes	12.66	106	1058237	112.044	ug/l	97
69) o-Xylene	13.03	106	487542	53.194	ug/l	97
70) Styrene	13.06	104	838151	52.459	ug/l	98
71) Bromoform	13.22	173	219445	54.734	ug/l	99
73) Isopropylbenzene	13.39	105	1372063	48.932	ug/l	98
74) N-amyl acetate	13.26	43	385625	49.369	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	273148	46.178	ug/l	94
76) 1,2,3-Trichloropropane	13.72	75	290235	49.871	ug/l	98
77) Bromobenzene	13.65	156	376912	45.342	ug/l	98
78) n-propylbenzene	13.76	91	1745921	50.880	ug/l	98
79) 2-Chlorotoluene	13.83	91	958538	51.446	ug/l	100
80) 1,3,5-Trimethylbenzene	13.92	105	1110011	51.021	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	92991	52.406	ug/l	94
82) 4-Chlorotoluene	13.94	91	1003607	49.539	ug/l	96
83) tert-Butylbenzene	14.18	119	1145443	42.129	ug/l	98
84) 1,2,4-Trimethylbenzene	14.22	105	1057805	44.911	ug/l	99
85) sec-Butylbenzene	14.36	105	1414539	48.973	ug/l	96
86) p-Isopropyltoluene	14.48	119	1286364	52.668	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	690453	49.049	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	686831	50.033	ug/l	99
89) n-Butylbenzene	14.79	91	1046273	46.672	ug/l	99
90) Hexachloroethane	15.00	117	343225	49.742	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	552657	47.864	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	38477	55.463	ug/l	93

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APPROVED

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	307670	58.495	ug/l	98
94) Hexachlorobutadiene	16.03	225	230986	56.199	ug/l	95
95) Naphthalene	16.12	128	444396	55.430	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	133813	57.814	ug/l	98

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

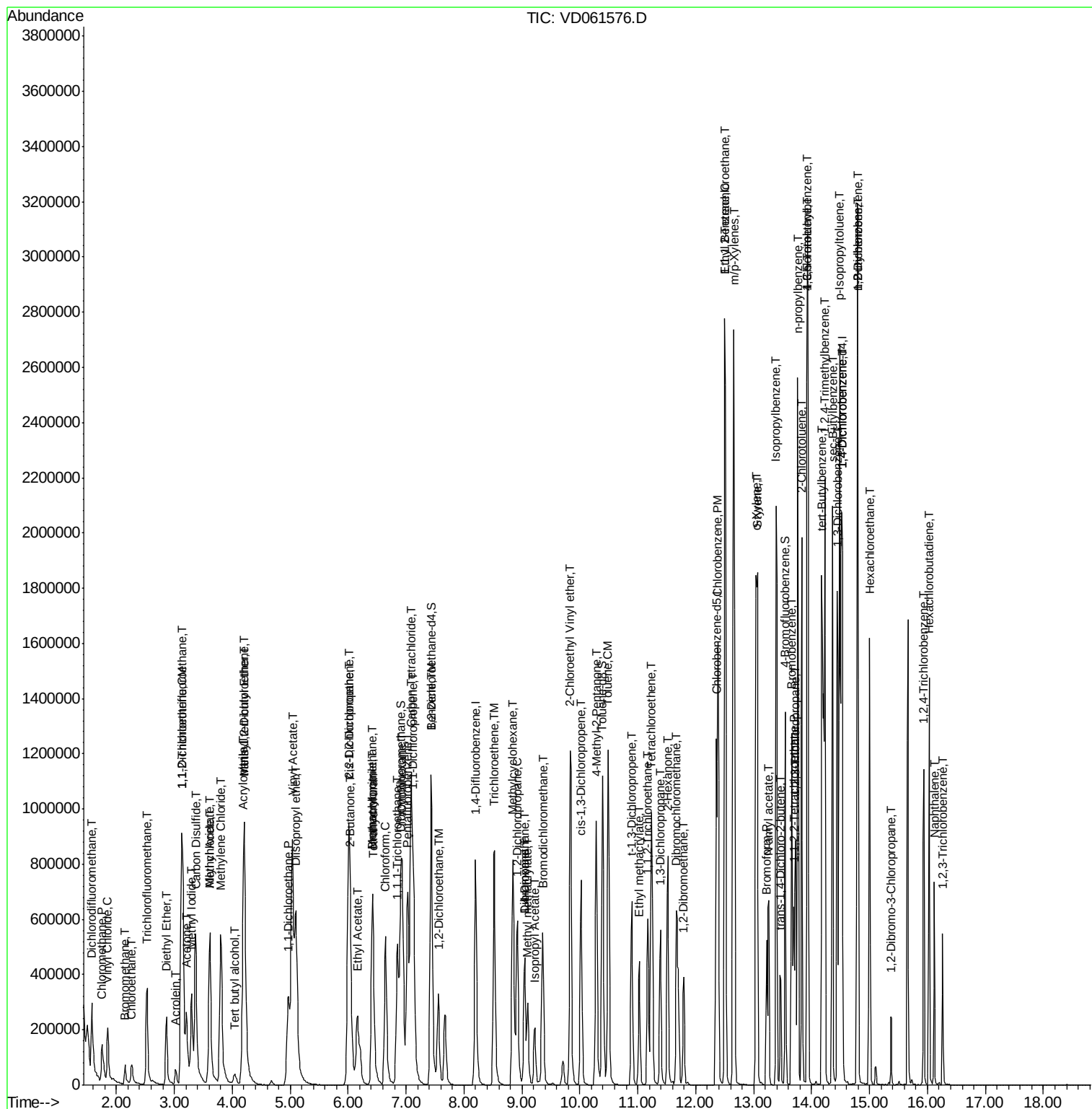
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040419\
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 Operator : VA/AP
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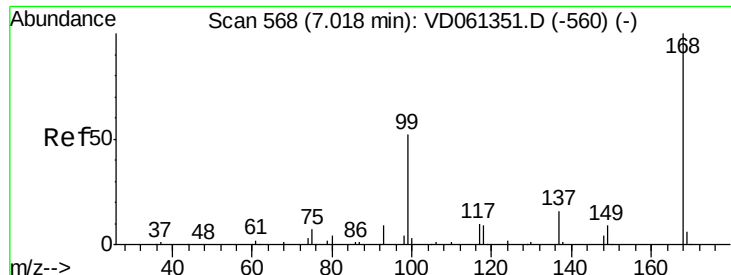
Instrument :
 MSVOA_D
 Client Sample Id :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 710580

Ion Ratio Lower Upper

168 100

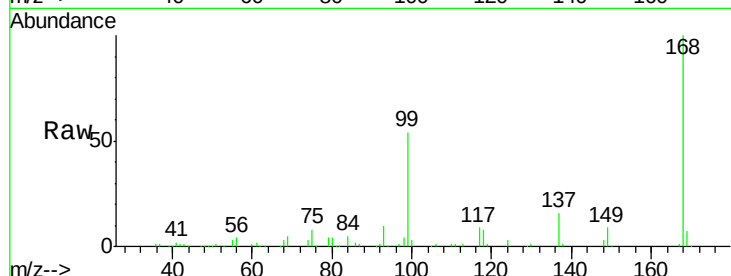
99 54.5 43.1 64.7

Manual Integrations

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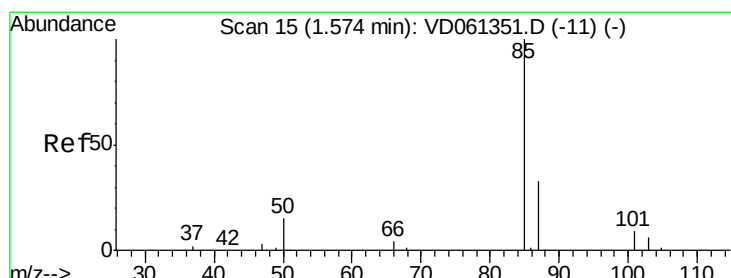
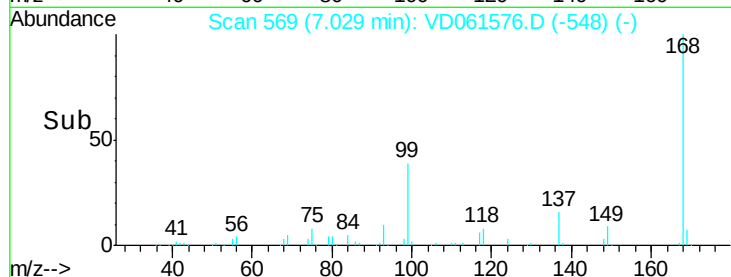
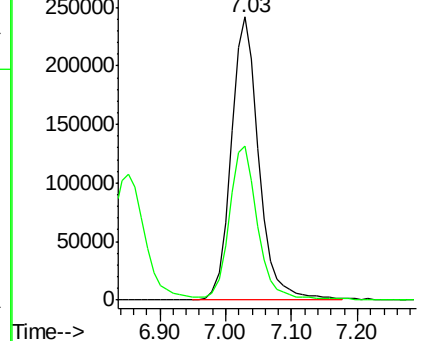
MMDadoda

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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: 44.301 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD061576.D

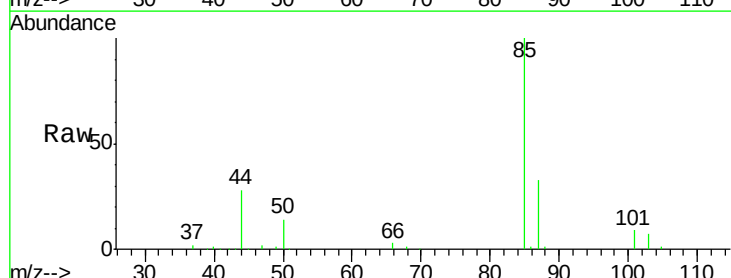
Acq: 4 Apr 2019 13:37

Tgt Ion: 85 Resp: 336187

Ion Ratio Lower Upper

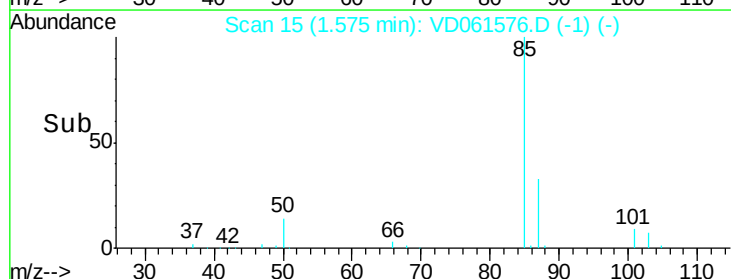
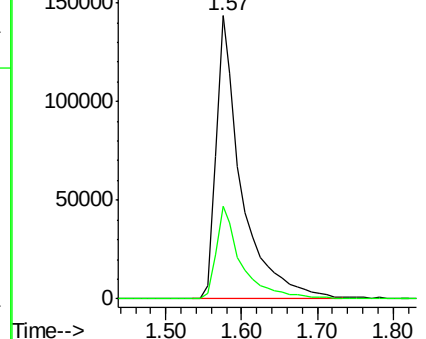
85 100

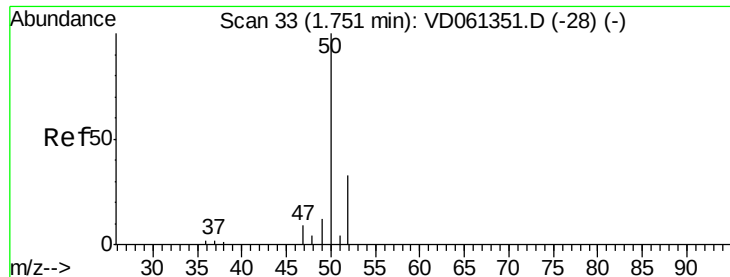
87 33.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.417 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Tot Ion: 50 Resp: 250138

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1

Instrument :

MSVOA_D

ClientSampleId :

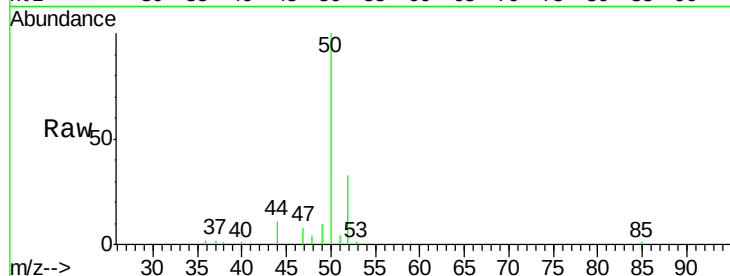
VSTDCCC050

Manual Integrations

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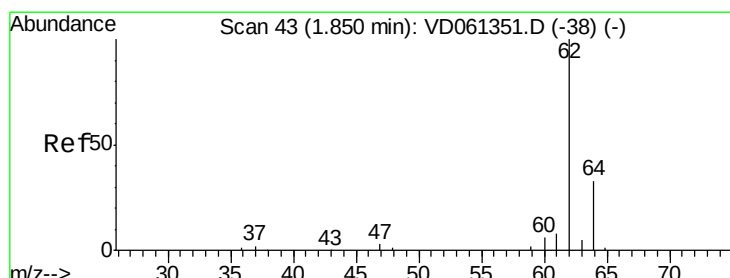
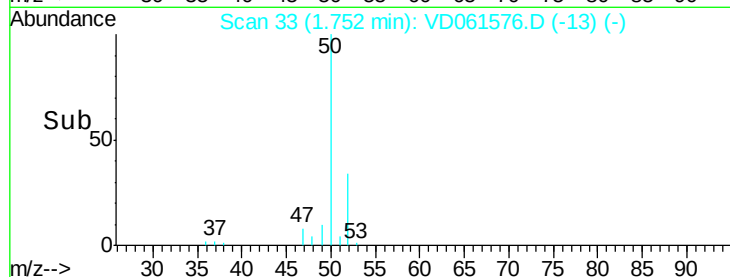
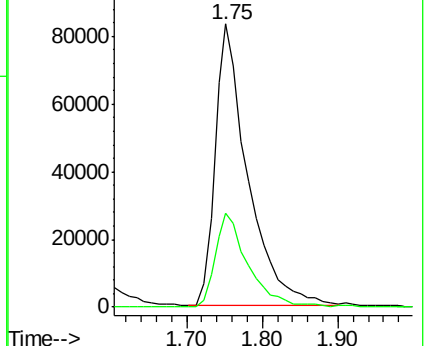
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.857 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD061576.D

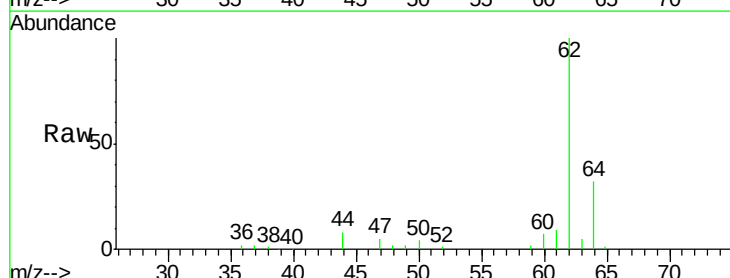
Acq: 4 Apr 2019 13:37

Tgt Ion: 62 Resp: 249224

Ion Ratio Lower Upper

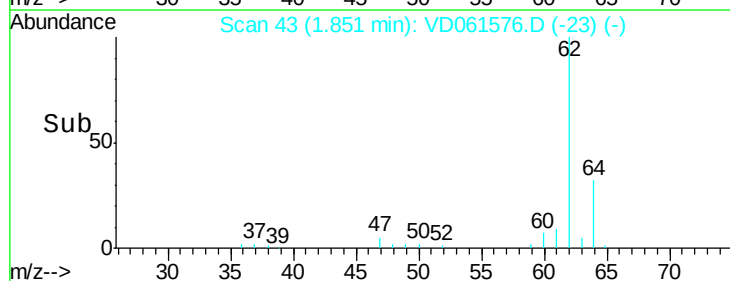
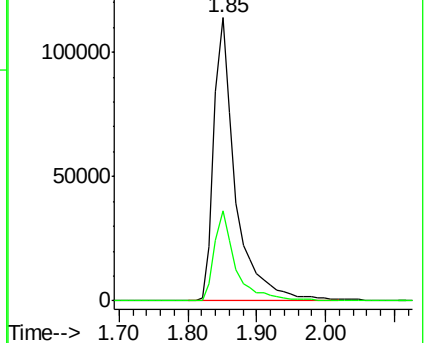
62 100

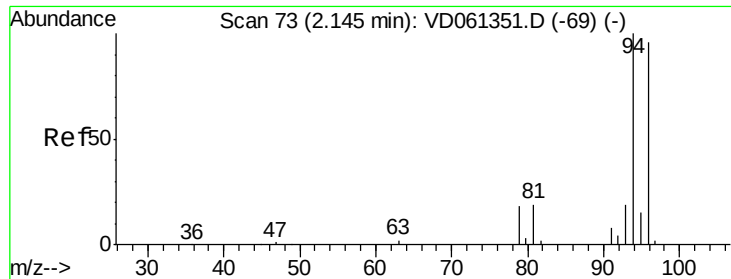
64 32.0 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 43.820 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

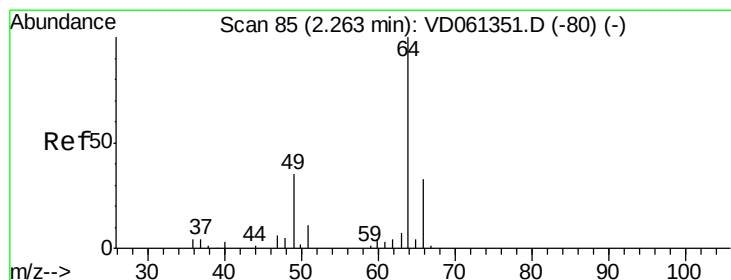
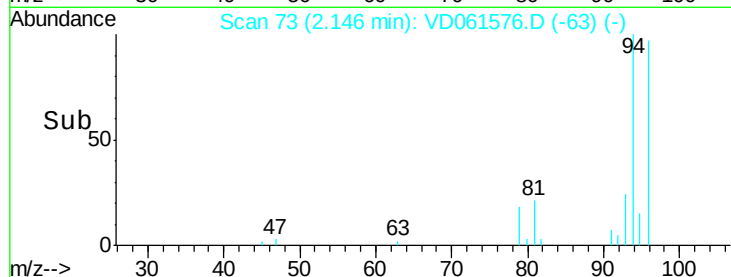
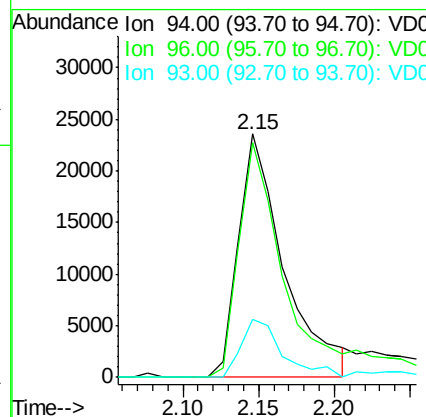
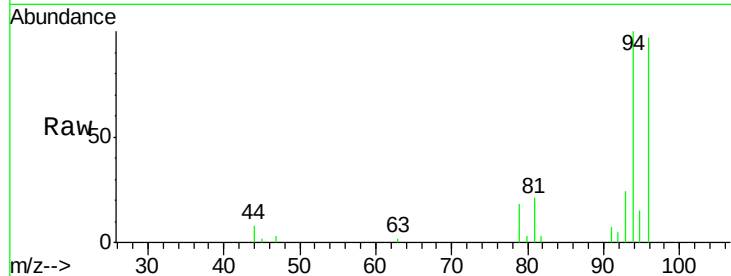
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	49378
Ion	Ratio	Lower	Upper
94	100		
96	96.6	78.3	117.5
93	24.0	15.6	23.4#

Manual Integrations
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#6

Chloroethane

Concen: 49.159 ug/l

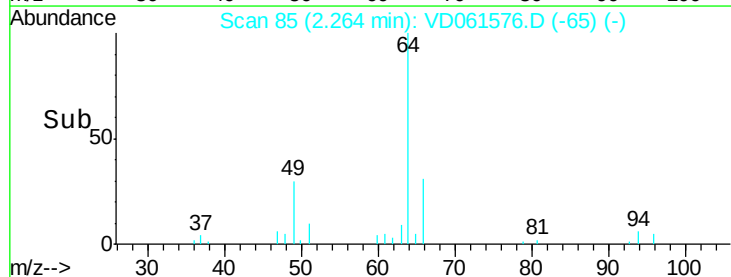
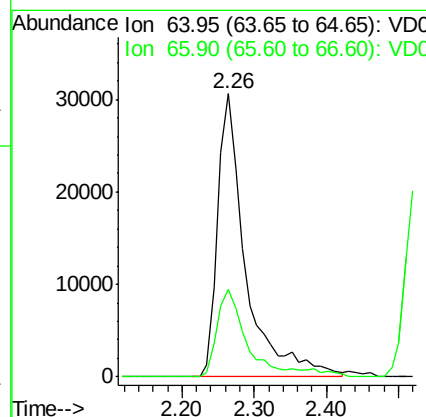
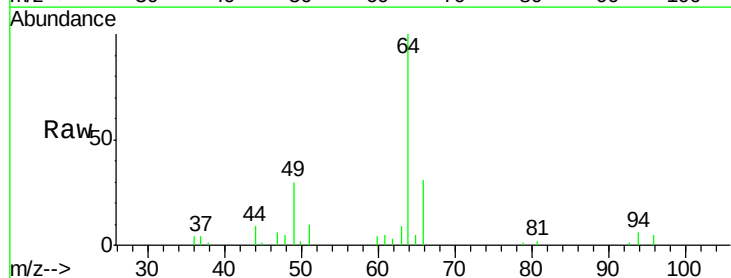
RT: 2.26 min Scan# 85

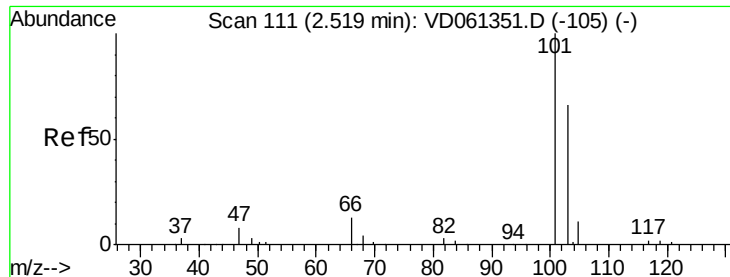
Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Tgt Ion:	64	Resp:	81921
Ion	Ratio	Lower	Upper
64	100		
66	31.0	26.2	39.2





#7

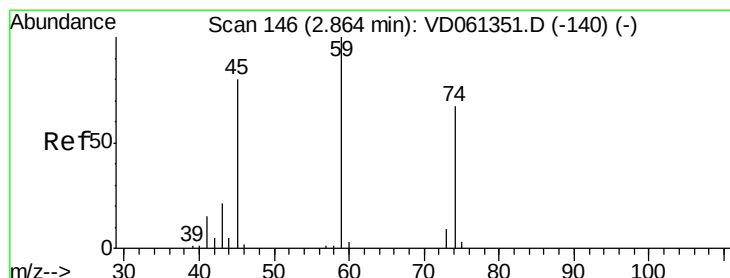
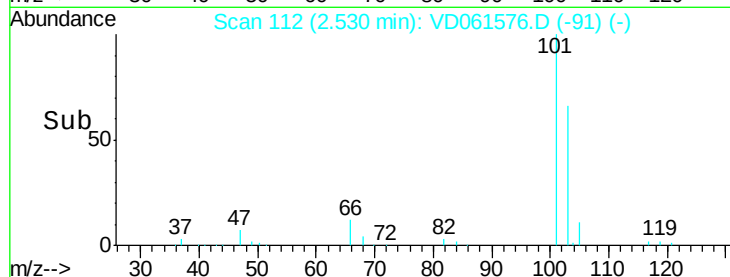
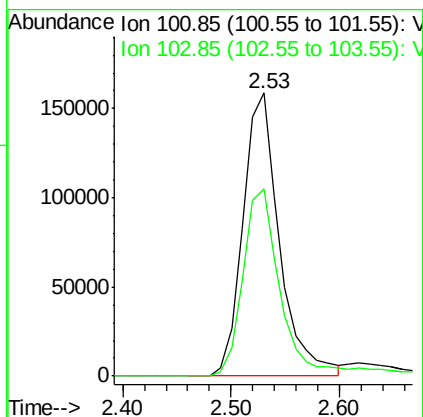
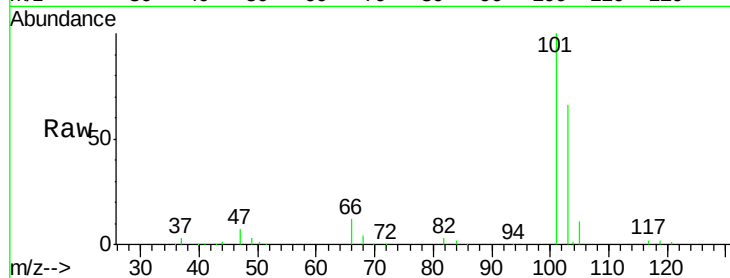
Trichlorofluoromethane
Concen: 44.978 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
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VSTDCCC050

Tot Ion:101 Resp: 371667
Ion Ratio Lower Upper
101 100
103 66.0 53.1 79.7

Manual Integrations
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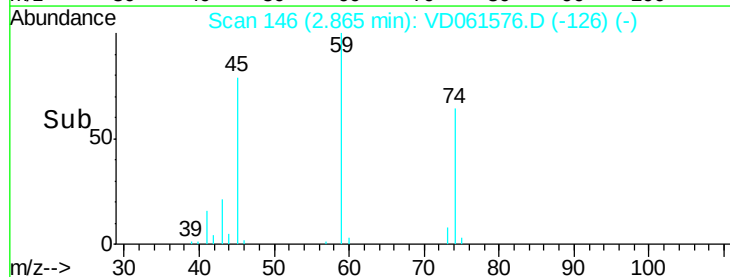
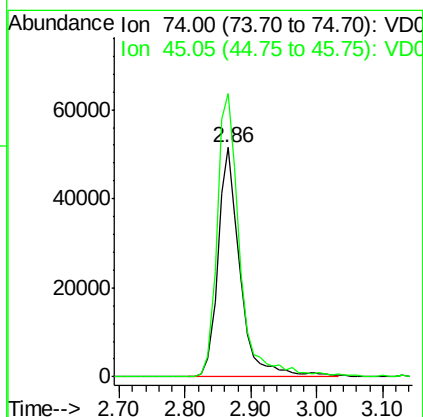
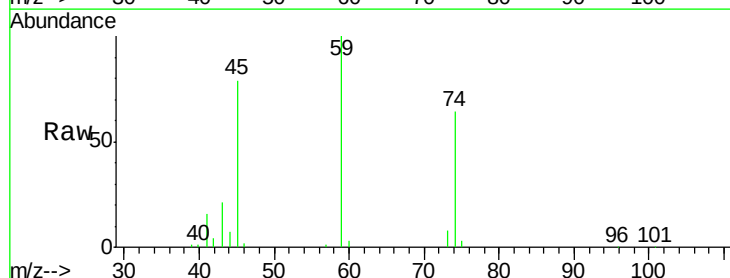
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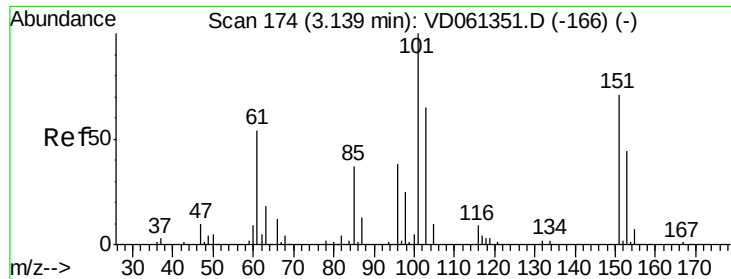


#8

Diethyl Ether
Concen: 45.185 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 74 Resp: 120215
Ion Ratio Lower Upper
74 100
45 123.6 59.7 179.1





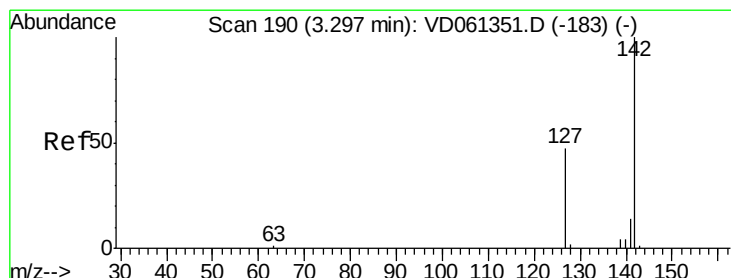
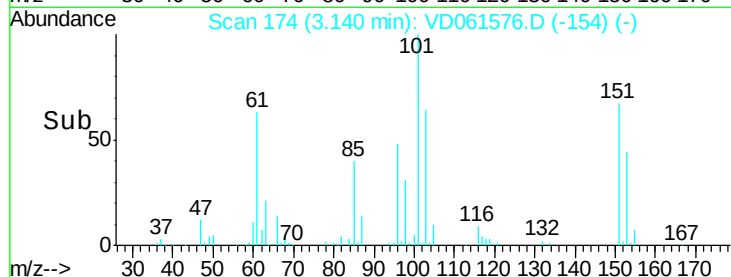
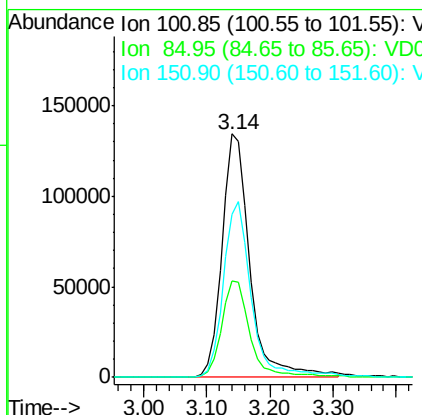
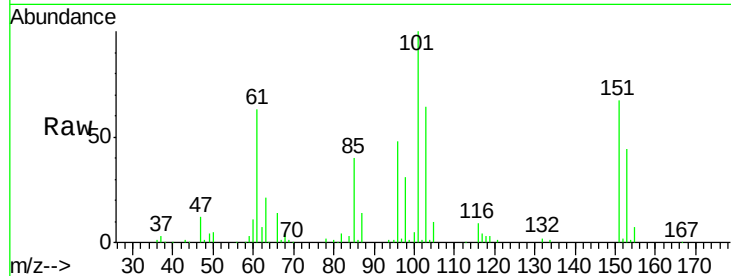
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.403 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	412227		
85	39.7	29.4	29.4	44.0
151	66.8	57.0	57.0	85.4

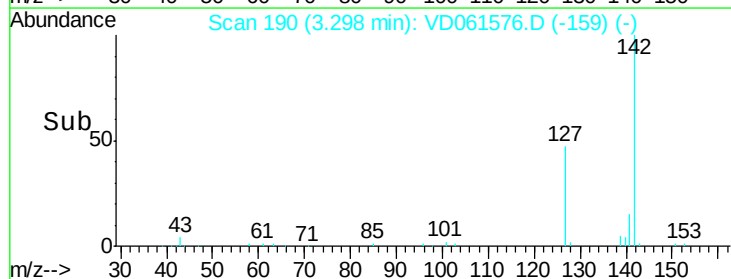
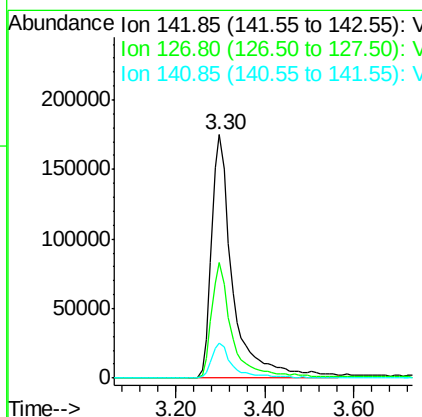
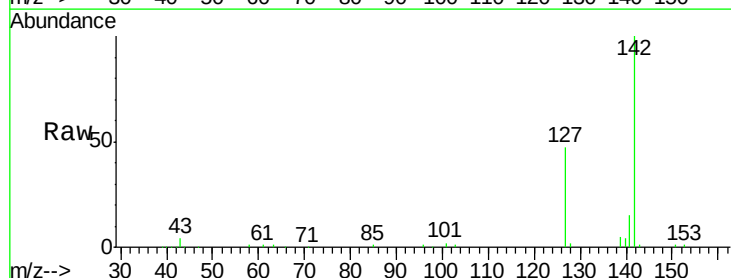
Manual Integrations
 APPROVED

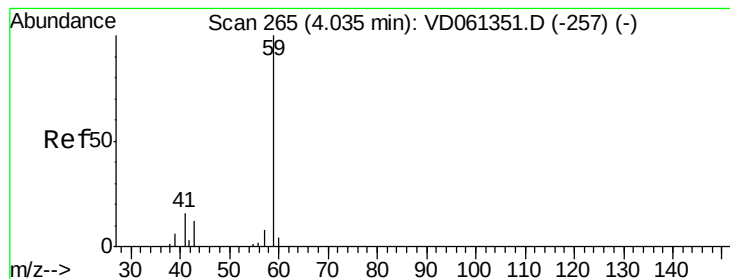
MMDadoda
 4/5/2019 2:37:03 PM



#10
 Methyl Iodide
 Concen: 43.781 ug/l
 RT: 3.30 min Scan# 190
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	585021		
127	47.3	37.7	37.7	56.5
141	14.6	11.5	11.5	17.3





#11

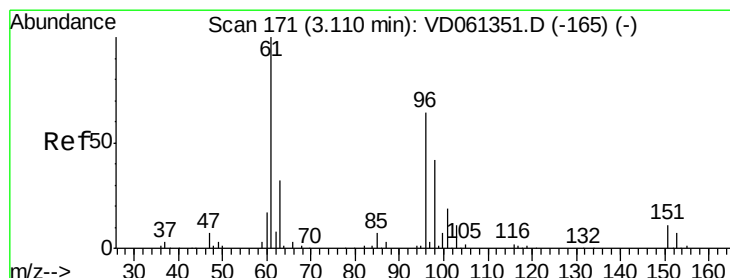
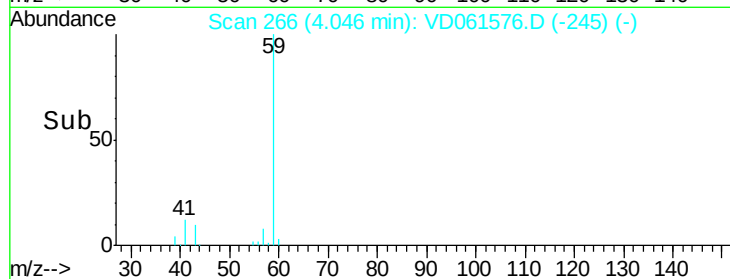
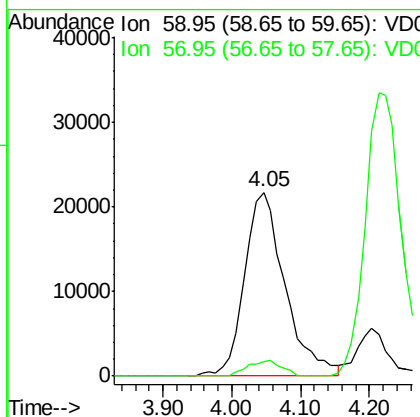
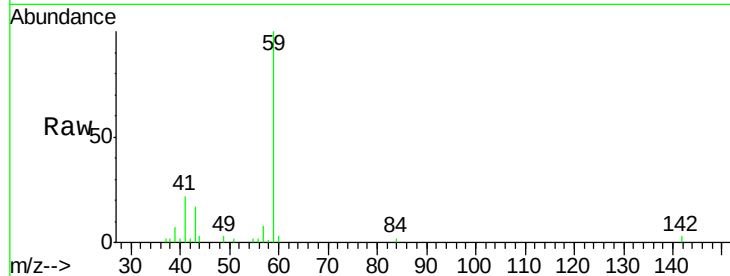
Tert butyl alcohol
Concen: 235.363 ug/l
RT: 4.05 min Scan# 266
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	8.2	Resp	88973	Lower	6.7	Upper	10.1
Ion	59	57	Ratio	100	8.2	Resp	88973	Lower	6.7	Upper	10.1

Manual Integrations
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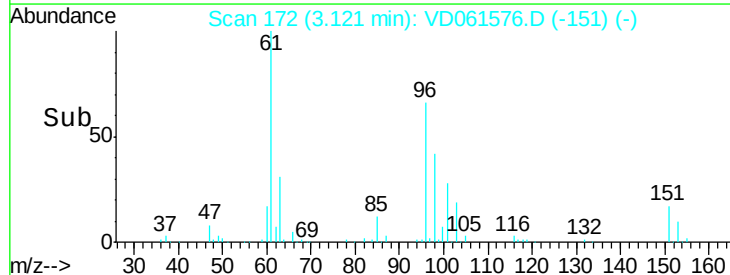
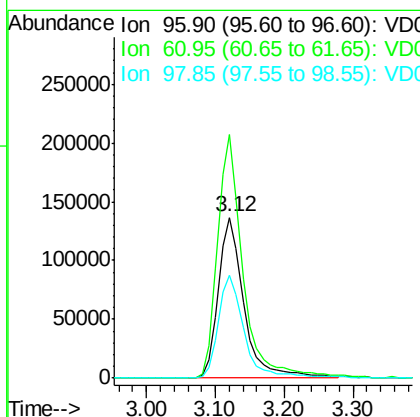
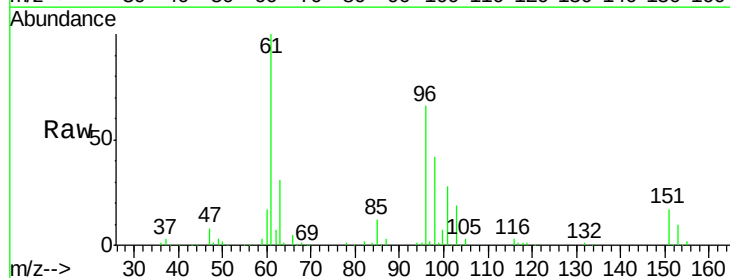
MMDadoda
4/5/2019 2:37:03 PM

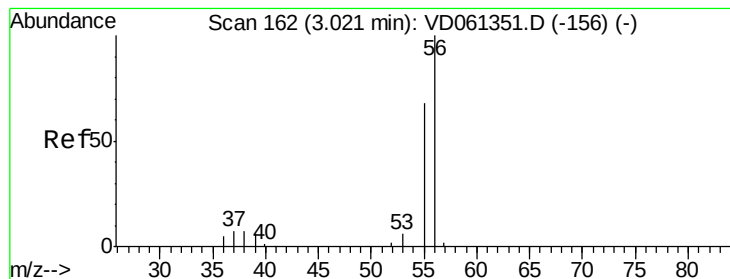


#12

1,1-Dichloroethene
Concen: 46.303 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion	96	61	98	Ratio	100	151.4	63.5	Resp	353157	Lower	124.9	52.5	Upper	187.3	78.7
Ion	96	61	98	Ratio	100	151.4	63.5	Resp	353157	Lower	124.9	52.5	Upper	187.3	78.7





#13

Acrolein

Concen: 228.941 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 66496

Ion Ratio Lower Upper

56 100

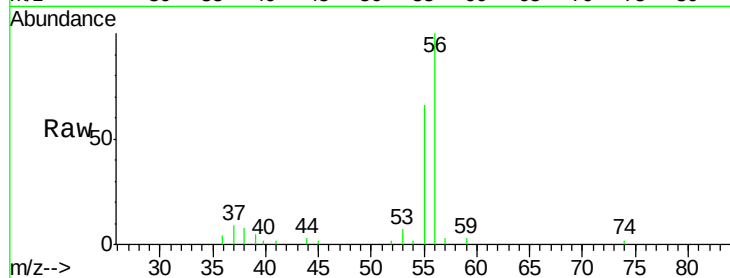
55 66.3 54.6 82.0

Manual Integrations

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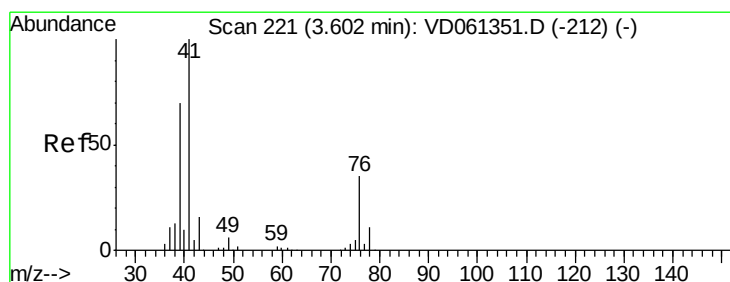
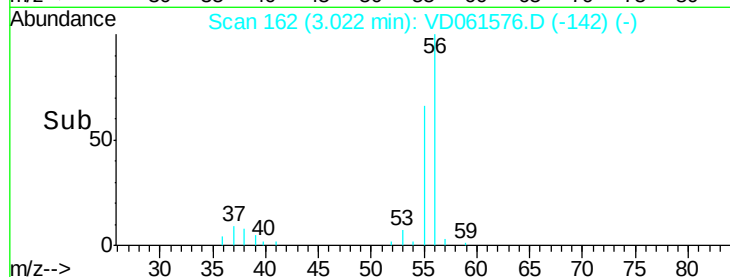
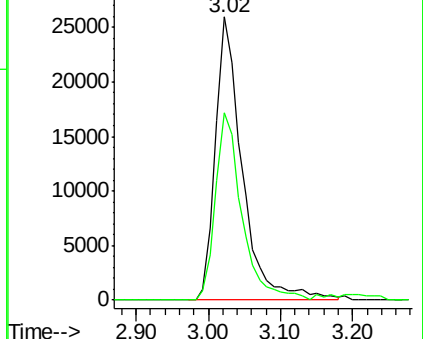
MMDadoda

4/5/2019 2:37:03 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.386 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

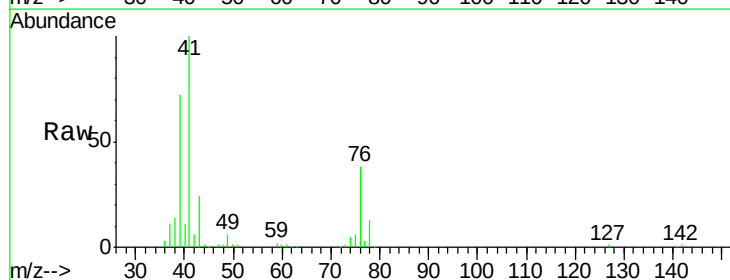
Tgt Ion: 41 Resp: 493456

Ion Ratio Lower Upper

41 100

39 71.9 55.6 83.4

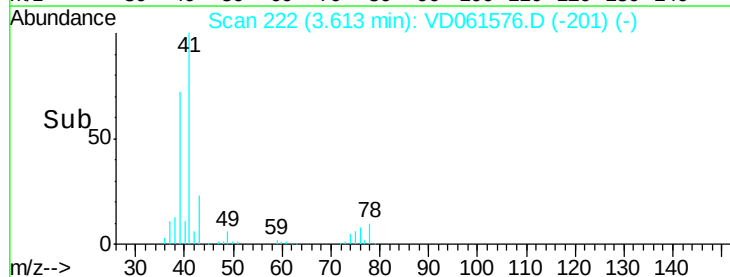
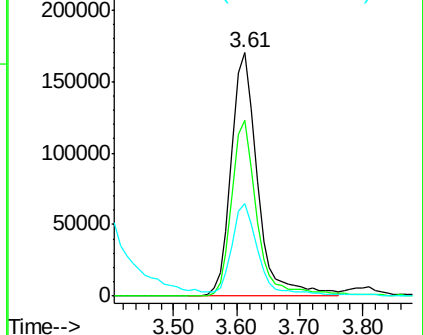
76 37.9 31.0 46.6

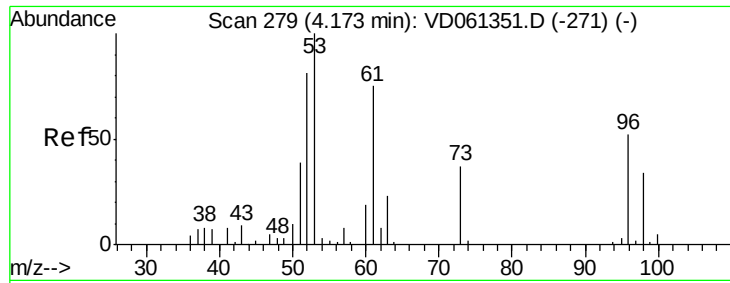


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 229.976 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

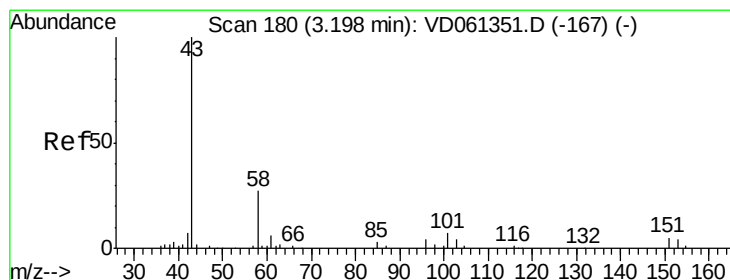
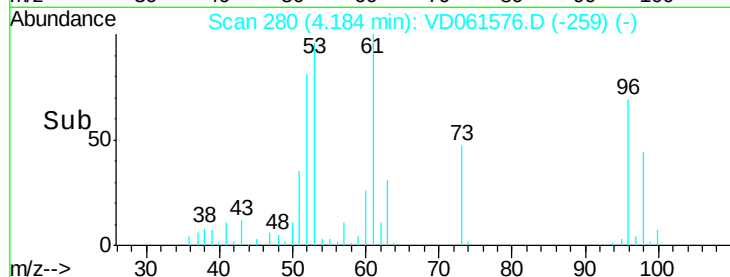
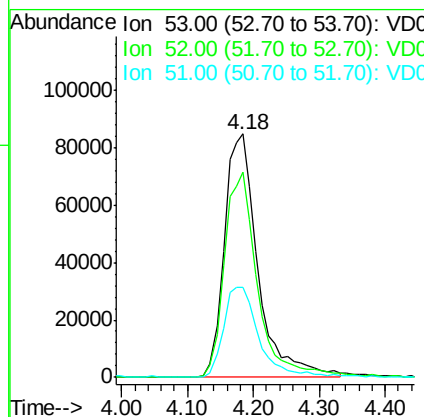
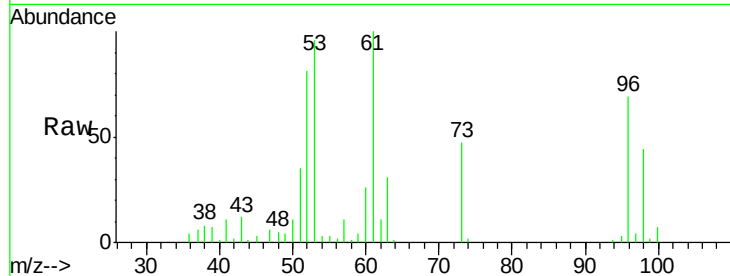
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	301740
Ion	Ratio	Lower	Upper
53	100		
52	84.5	64.8	97.2
51	36.8	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 278.510 ug/l

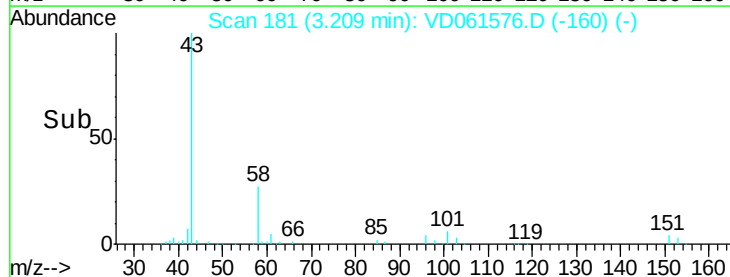
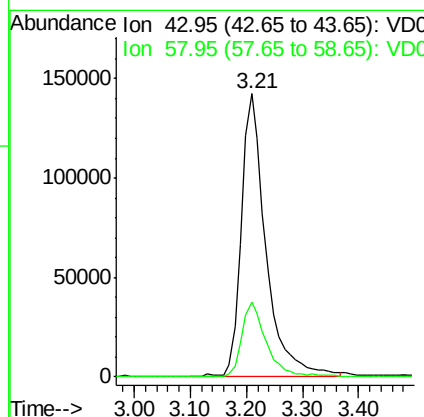
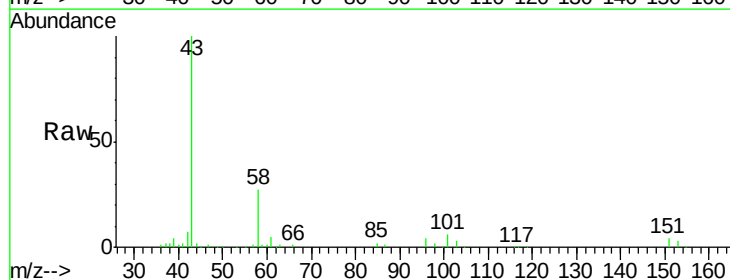
RT: 3.21 min Scan# 181

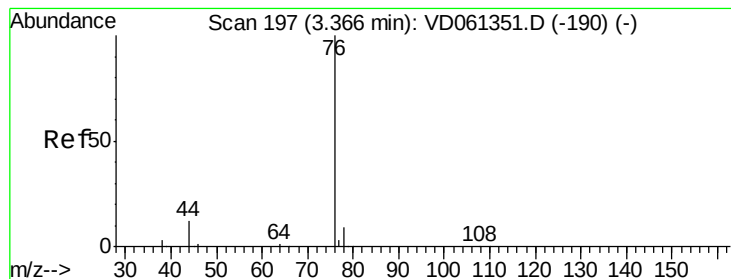
Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Tgt Ion:	43	Resp:	434589
Ion	Ratio	Lower	Upper
43	100		
58	26.6	21.5	32.3





#17

Carbon Disulfide

Concen: 41.657 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1032295

Ion Ratio Lower Upper

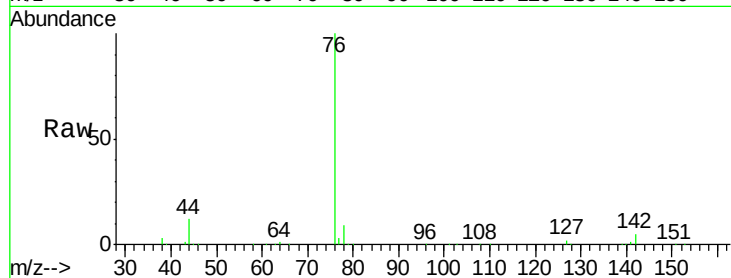
76 100

78 9.3 7.1 10.7

Manual Integrations
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MMDadoda

4/5/2019 2:37:03 PM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

400000

300000

200000

100000

0

3.20

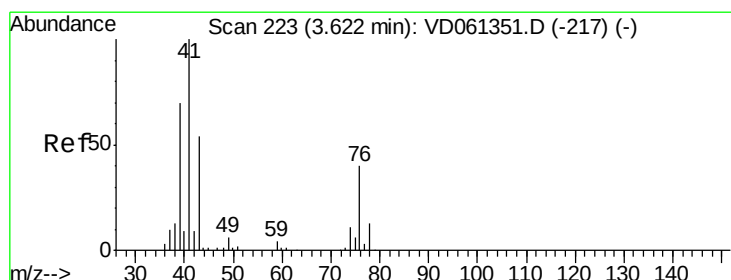
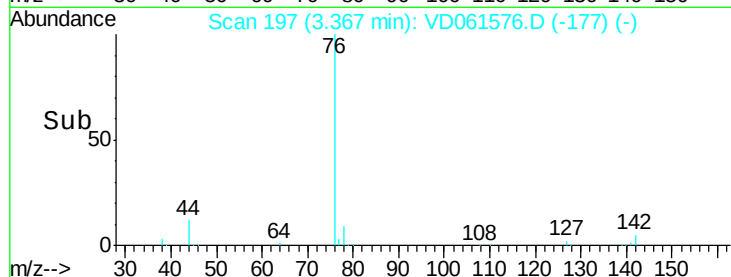
3.30

3.40

3.50

3.60

Time-->



#18

Methyl Acetate

Concen: 47.449 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD061576.D

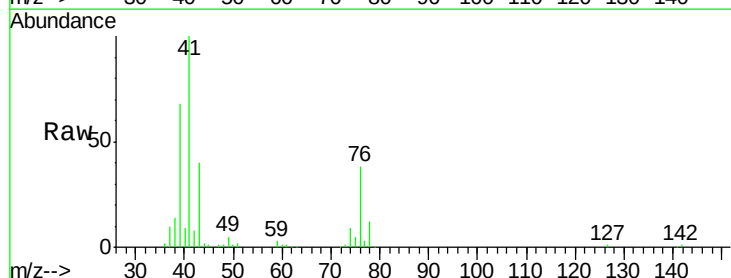
Acq: 4 Apr 2019 13:37

Tgt Ion: 43 Resp: 155673

Ion Ratio Lower Upper

43 100

74 22.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.62

60000

50000

40000

30000

20000

10000

0

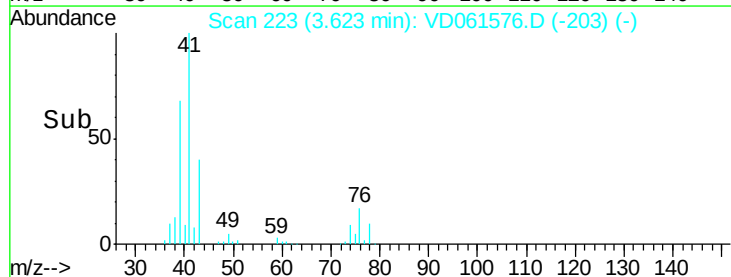
3.50

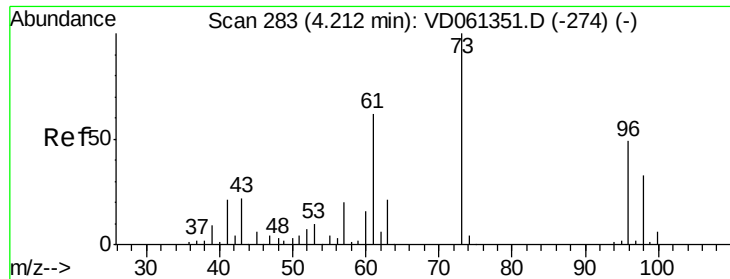
3.60

3.70

3.80

Time-->





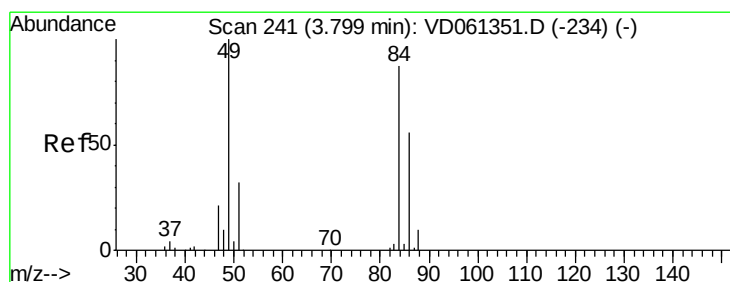
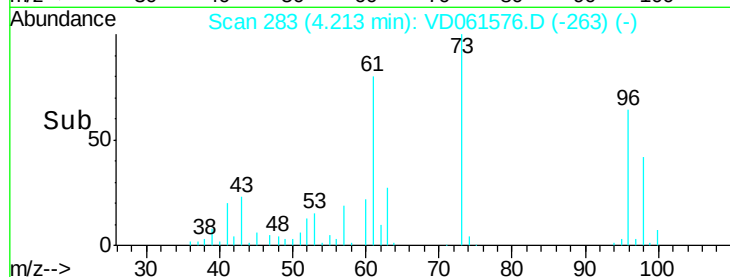
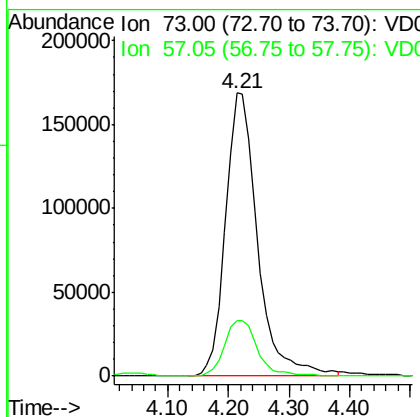
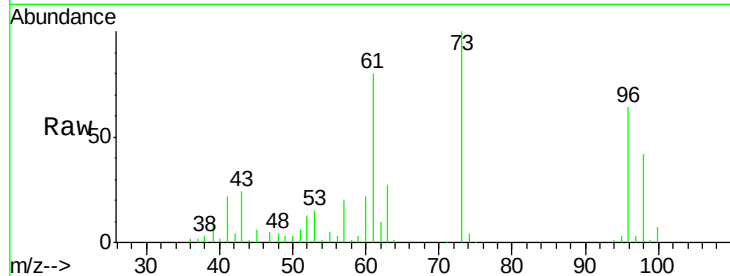
#19
Methyl tert-butyl Ether
Concen: 46.968 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 620102
Ion Ratio Lower Upper
73 100
57 19.8 16.4 24.6

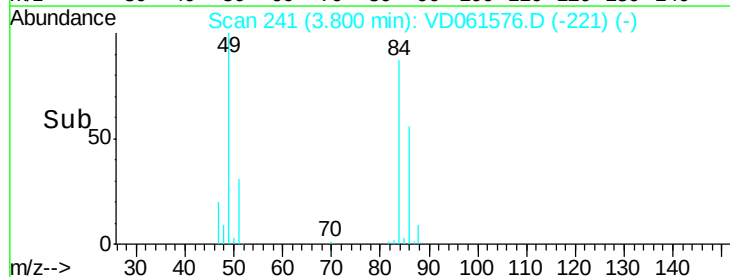
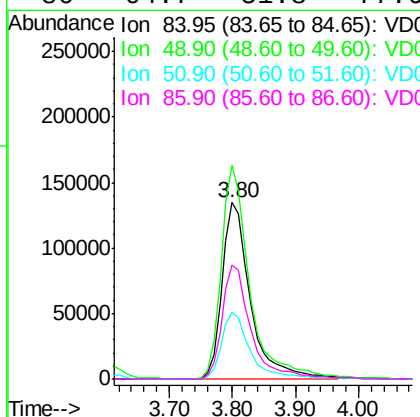
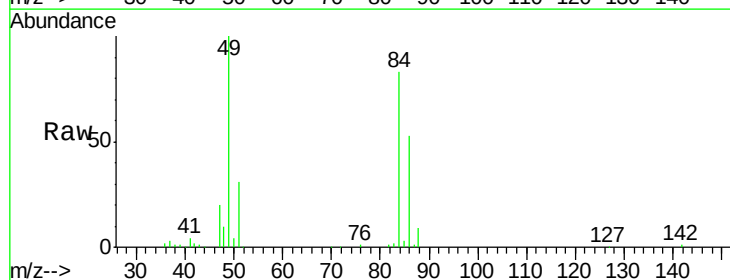
Manual Integrations
APPROVED

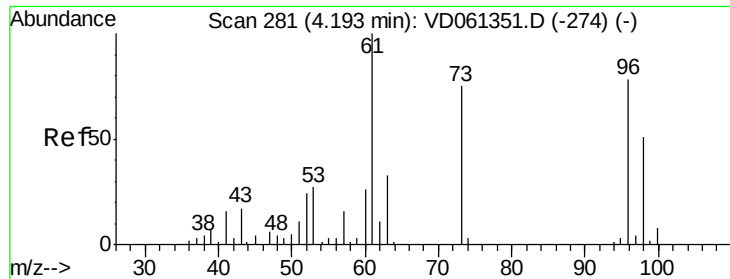
MMDadoda
4/5/2019 2:37:03 PM



#20
Methylene Chloride
Concen: 48.245 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 84 Resp: 422320
Ion Ratio Lower Upper
84 100
49 121.0 91.8 137.8
51 38.1 29.8 44.8
86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 45.926 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 378182

Ion Ratio Lower Upper

96 100

61 128.0 102.7 154.1

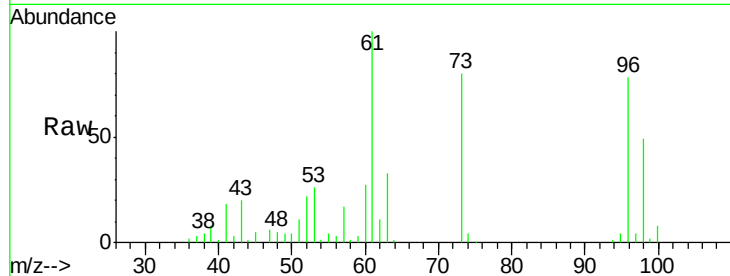
98 62.6 52.2 78.4

Manual Integrations

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MMDadoda

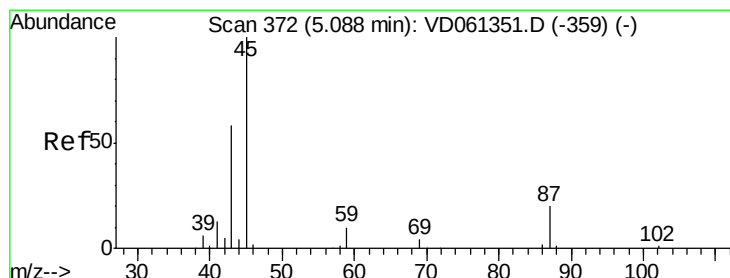
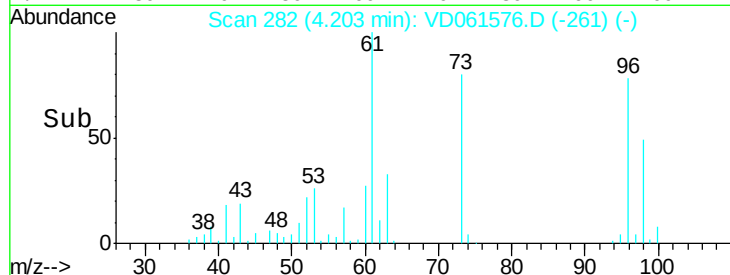
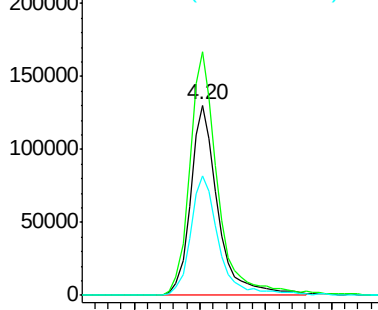
4/5/2019 2:37:03 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 46.552 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Tgt Ion: 45 Resp: 1047975

Ion Ratio Lower Upper

45 100

43 60.8 47.4 71.2

87 19.7 16.3 24.5

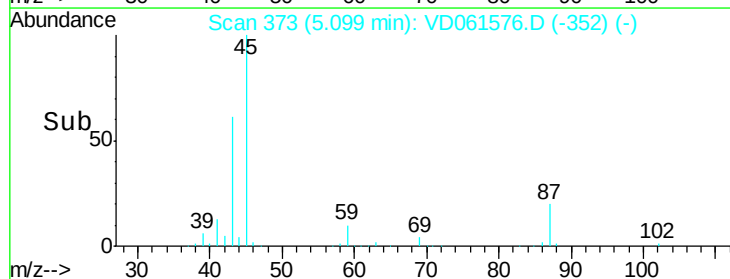
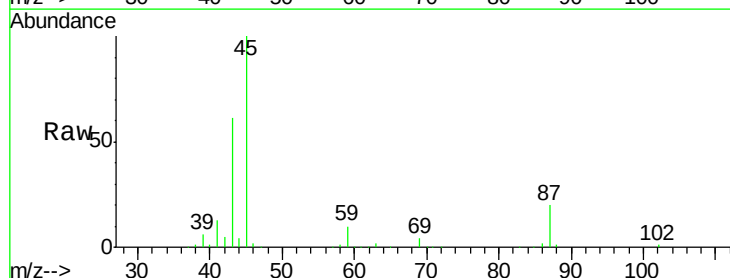
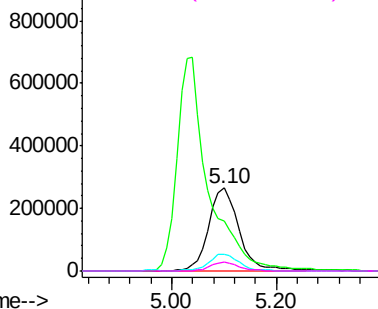
59 10.1 8.4 12.6

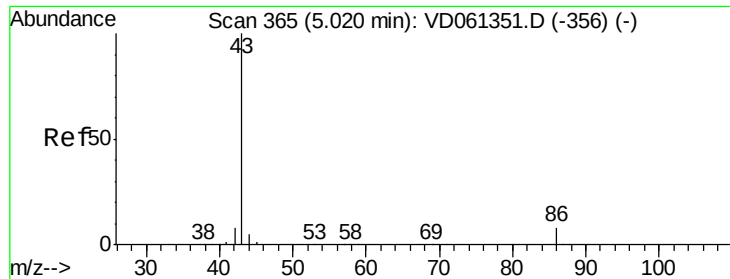
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 226.982 ug/l

RT: 5.04 min Scan# 367

Delta R.T. 0.02 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2775594

Ion Ratio Lower Upper

43 100

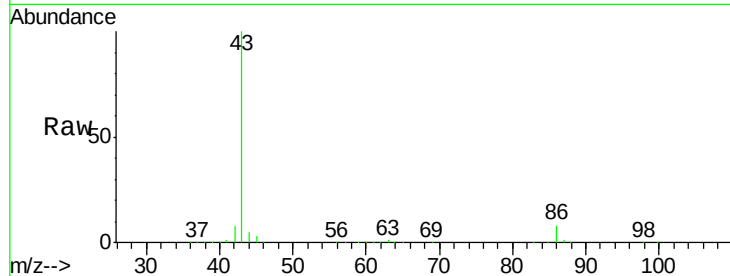
86 8.0 6.7 10.1

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

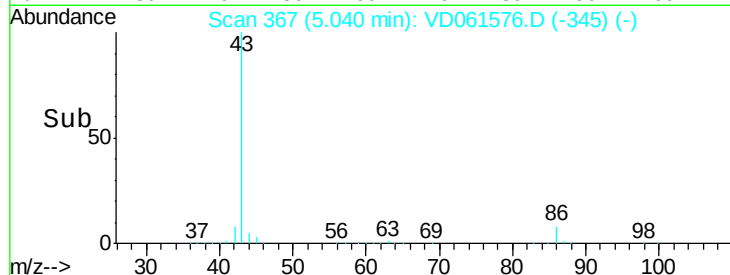
600000

400000

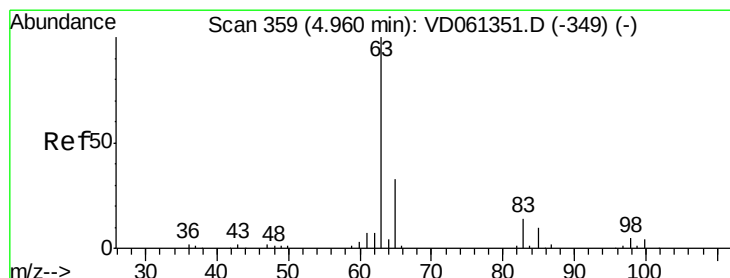
200000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 44.782 ug/l

RT: 4.96 min Scan# 359

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

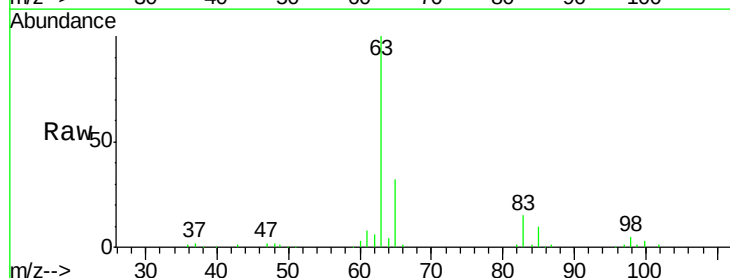
Tgt Ion: 63 Resp: 592469

Ion Ratio Lower Upper

63 100

98 5.4 2.6 8.0

100 3.5 1.8 5.3



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

200000

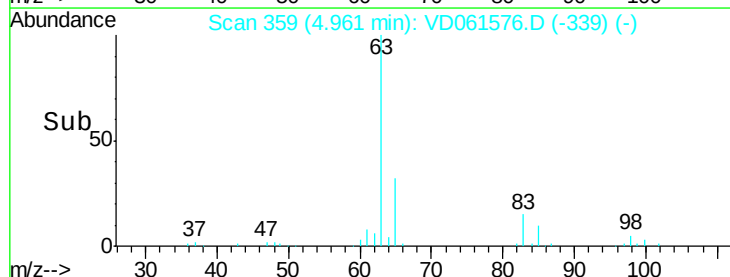
150000

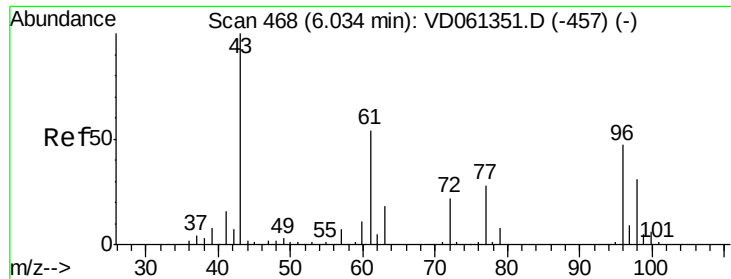
100000

50000

0

Time-->





#25

2-Butanone

Concen: 233.541 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Tot Ion: 43 Resp: 458408

Ion Ratio Lower Upper

43 100

72 19.8 17.2 25.8

Instrument :

MSVOA_D

ClientSampleId :

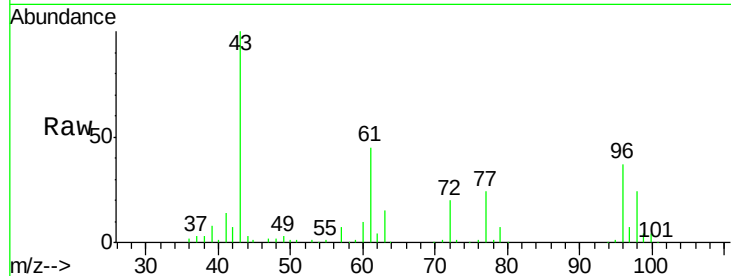
VSTDCCC050

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

6.04

150000

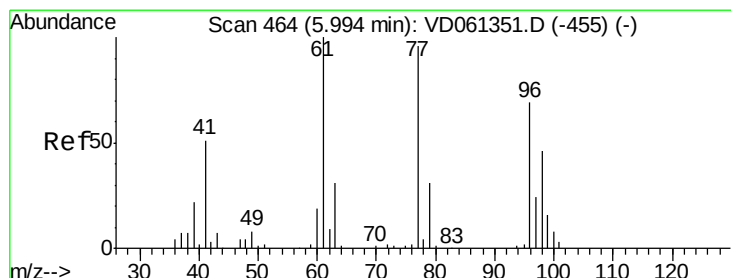
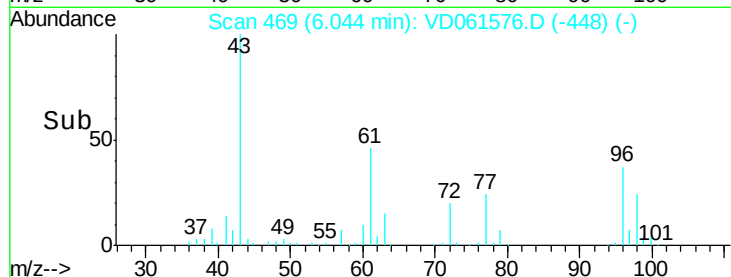
100000

50000

0

6.00 6.10

Time-->



#26

2,2-Dichloropropane

Concen: 48.086 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD061576.D

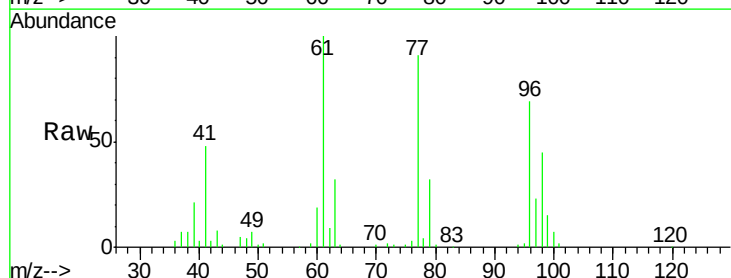
Acq: 4 Apr 2019 13:37

Tgt Ion: 77 Resp: 505723

Ion Ratio Lower Upper

77 100

97 25.6 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.00

150000

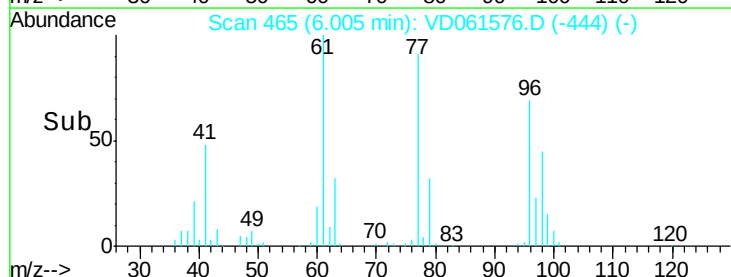
100000

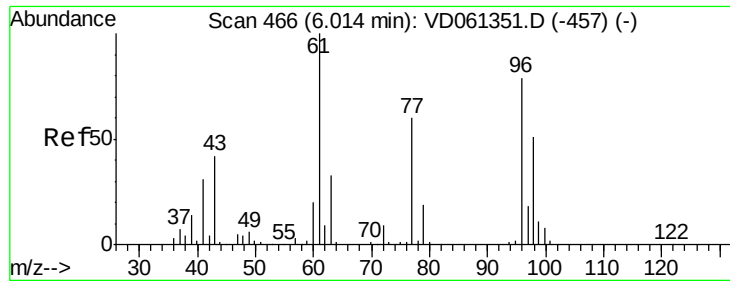
50000

0

5.80 5.90 6.00 6.10 6.20

Time-->





#27

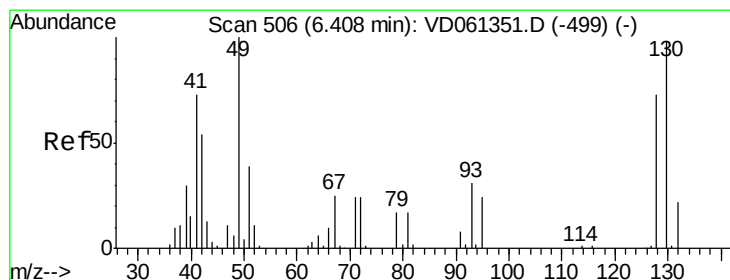
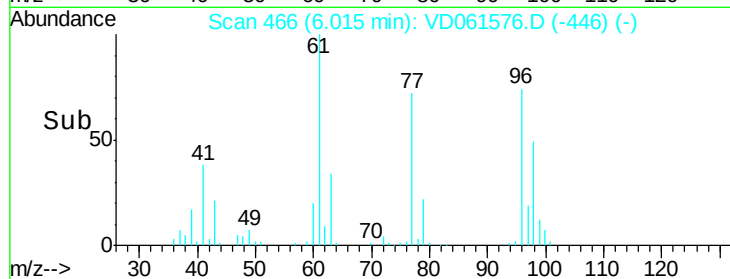
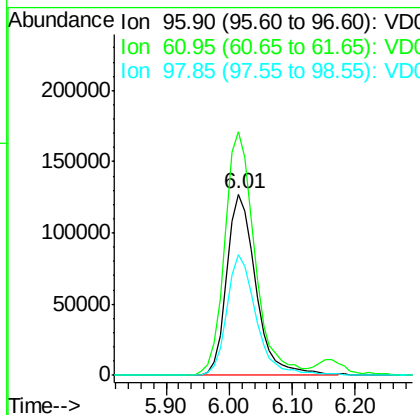
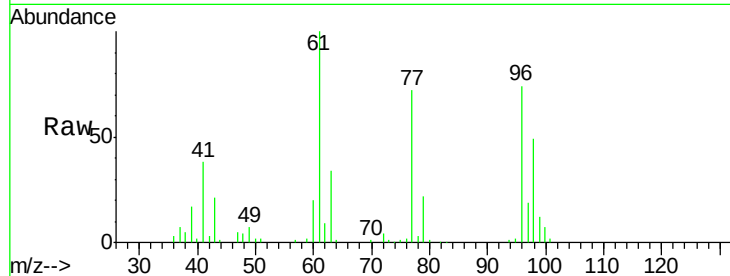
cis-1,2-Dichloroethene
Concen: 45.149 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	407331		
61	134.6	0.0	251.6	
98	66.5	0.0	129.2	

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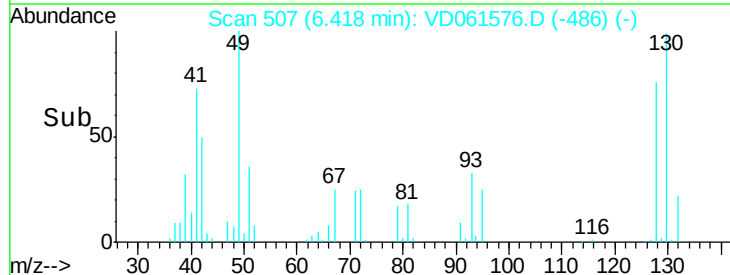
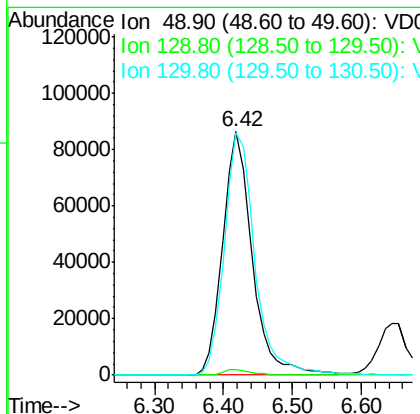
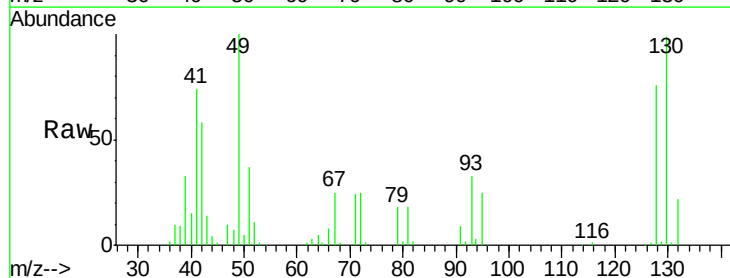
MMDadoda
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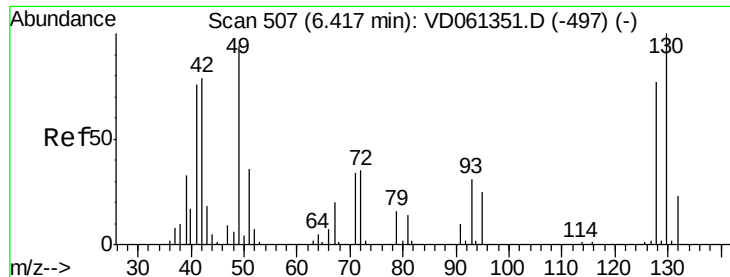


#28

Bromochloromethane
Concen: 48.130 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	257038		
129	2.4	0.0	0.0#	
130	99.4	78.4	117.6	





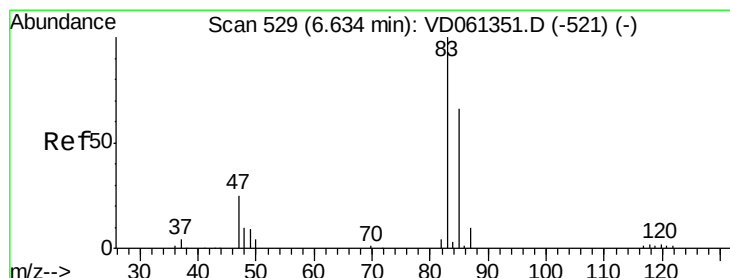
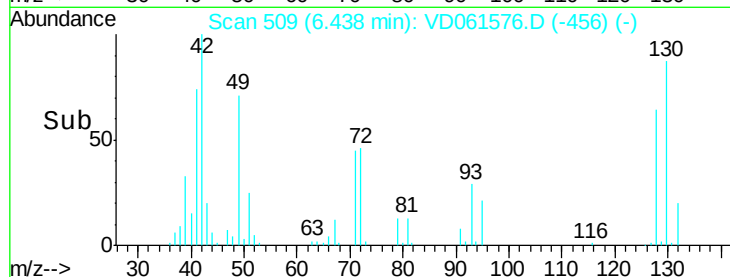
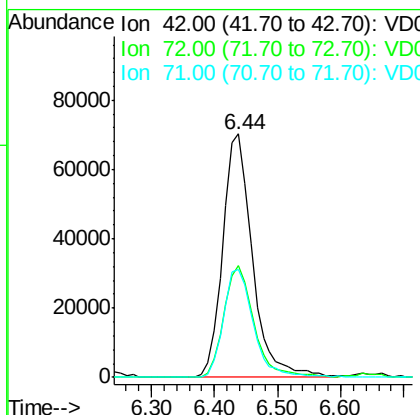
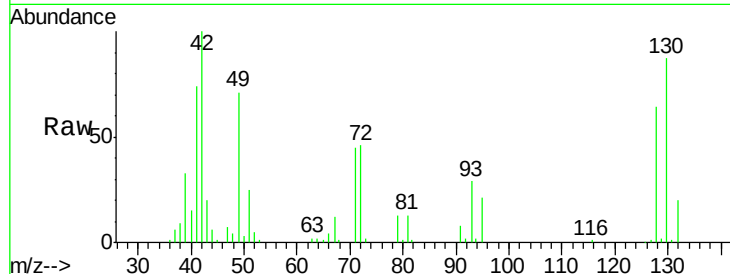
#29
Tetrahydrofuran
Concen: 241.500 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.4	56.0
71	44.6	36.7	55.1

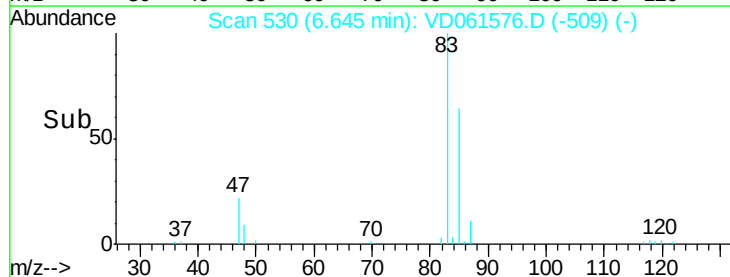
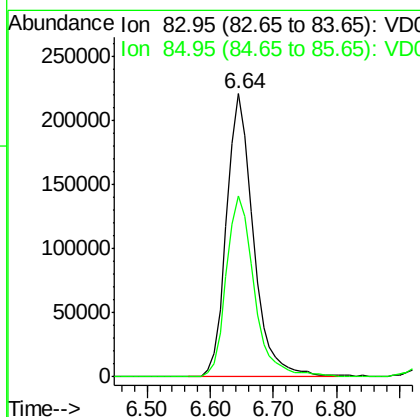
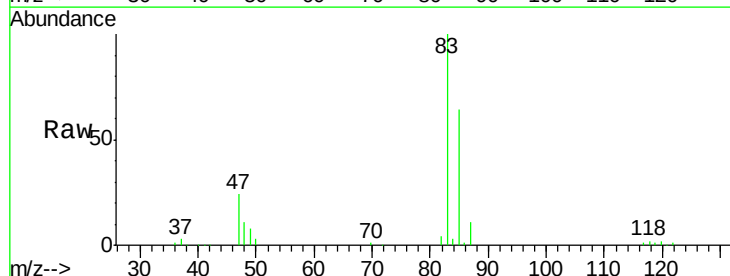
Manual Integrations
APPROVED

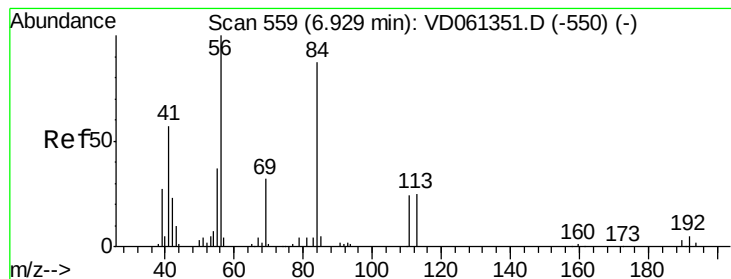
MMDadoda
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#30
Chloroform
Concen: 47.859 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.0	79.4





#31

Cyclohexane

Concen: 44.156 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

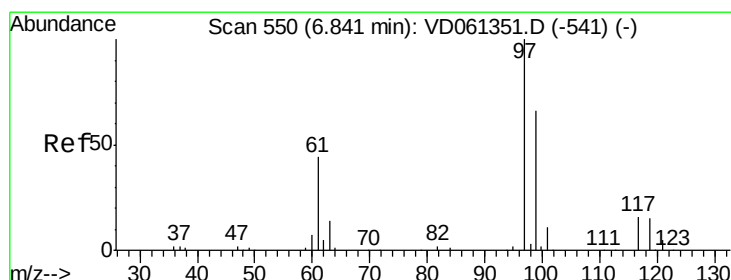
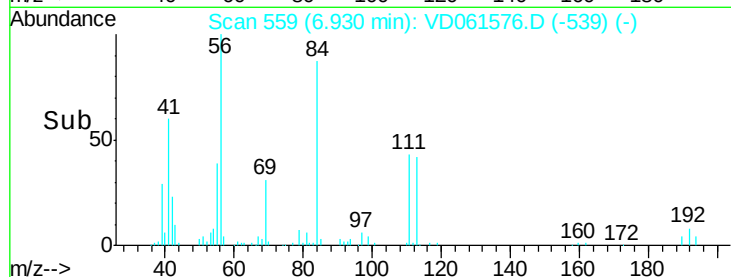
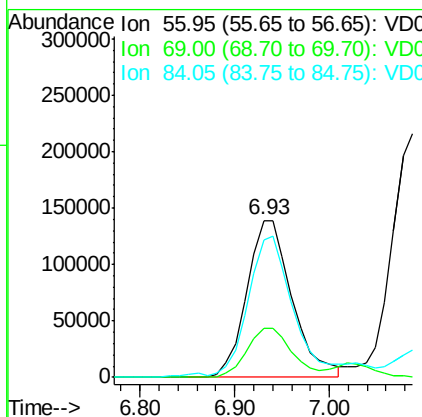
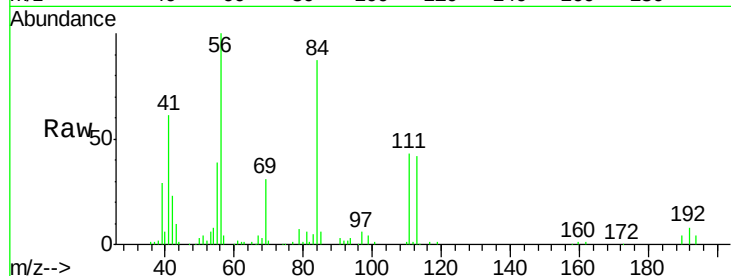
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	461641
Ion	Ratio	Lower	Upper
56	100		
69	31.1	25.7	38.5
84	87.3	70.6	105.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.353 ug/l

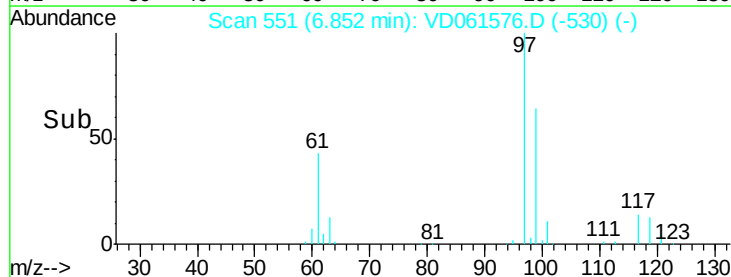
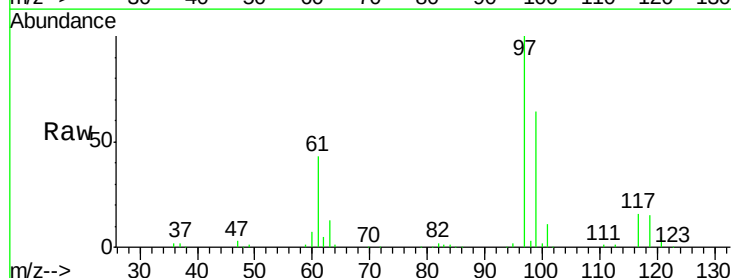
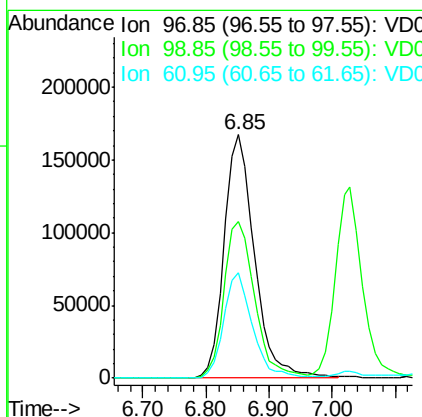
RT: 6.85 min Scan# 551

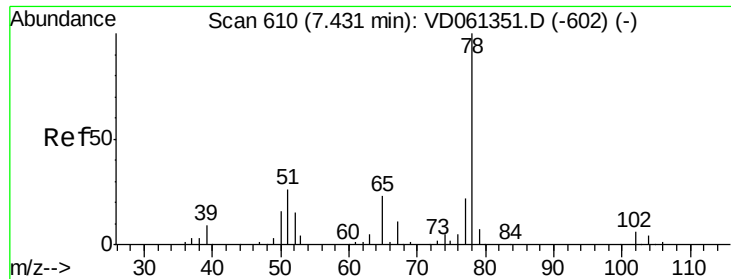
Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Tgt Ion:	97	Resp:	559021
Ion	Ratio	Lower	Upper
97	100		
99	64.3	53.1	79.7
61	43.1	35.5	53.3





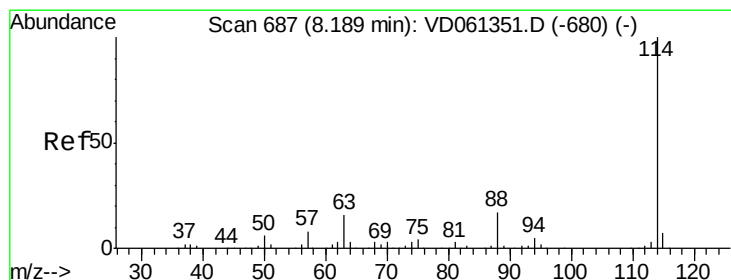
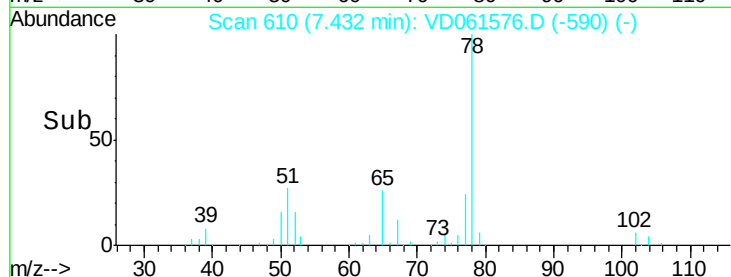
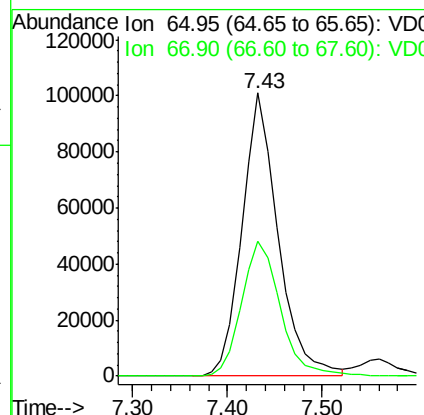
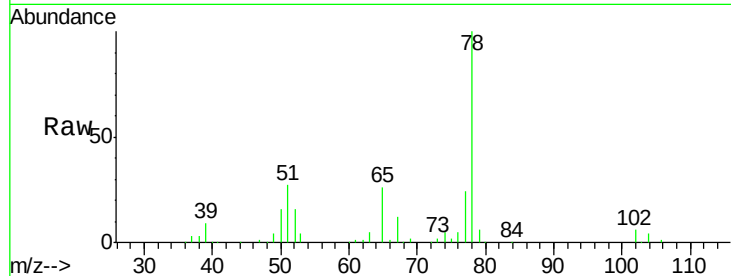
#33
 1,2-Dichloroethane-d4
 Concen: 46.353 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	266783		
67	47.8	0.0	99.8	

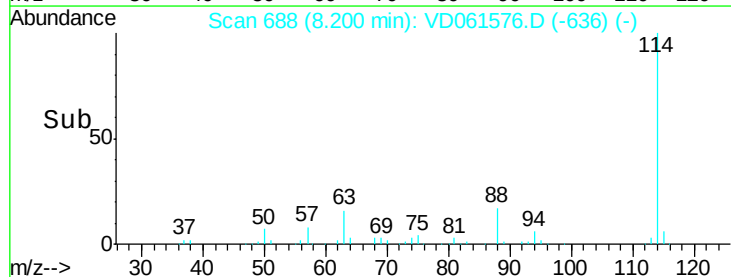
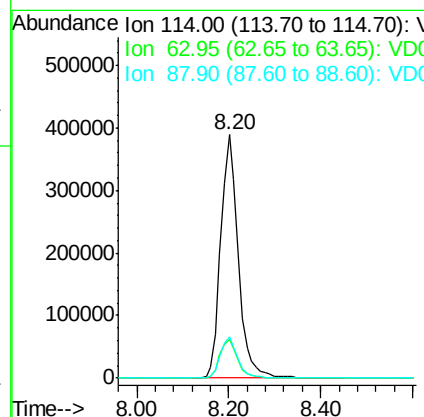
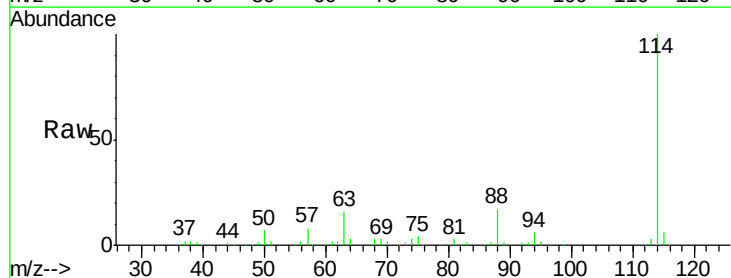
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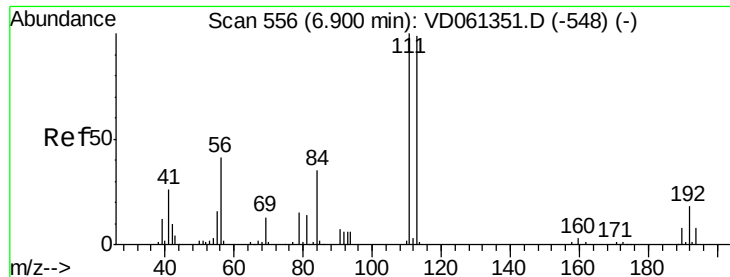
MMDadoda
 4/5/2019 2:37:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1023684		
63	15.7	0.0	31.6	
88	16.7	0.0	33.4	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

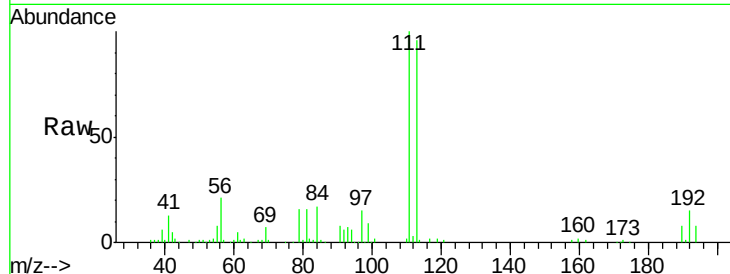
ClientSampleId :

VSTDCCC050

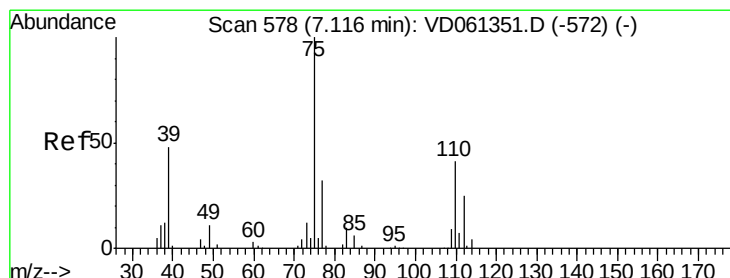
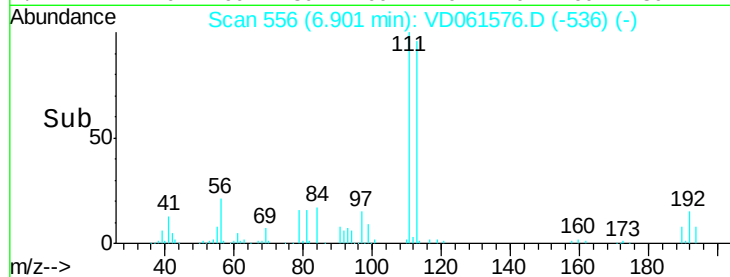
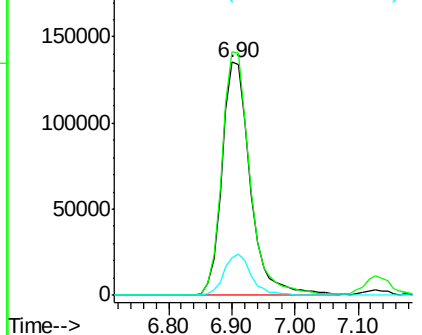
Tot Ion:	113	Resp:	422982
Ion Ratio	Lower	Upper	
113	100		
111	104.4	81.0	121.6
192	16.0	14.4	21.6

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Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.871 ug/l

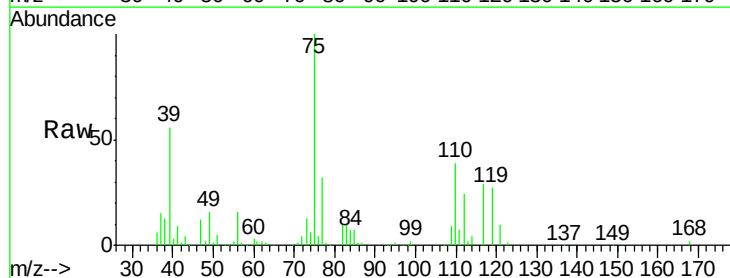
RT: 7.13 min Scan# 579

Delta R.T. 0.01 min

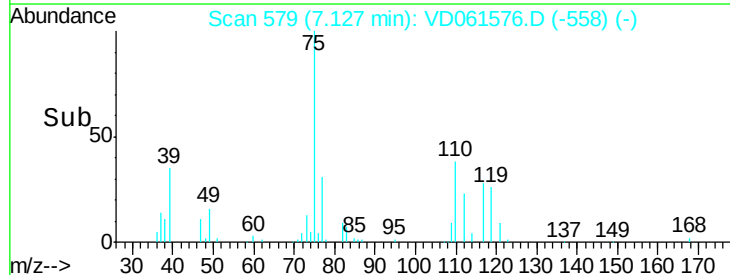
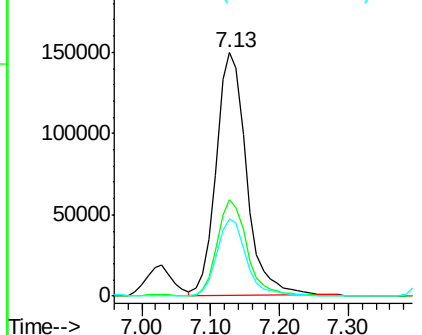
Lab File: VD061576.D

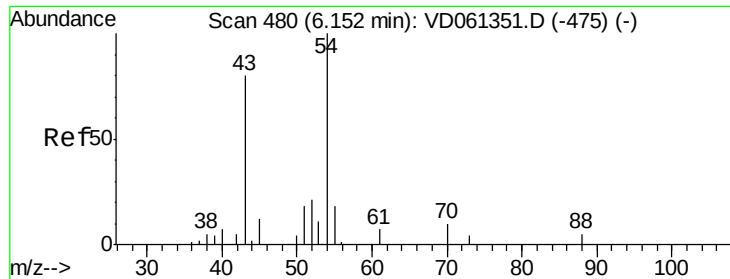
Acq: 4 Apr 2019 13:37

Tgt Ion:	75	Resp:	454502
Ion Ratio	Lower	Upper	
75	100		
110	39.4	20.4	61.3
77	31.7	24.9	37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





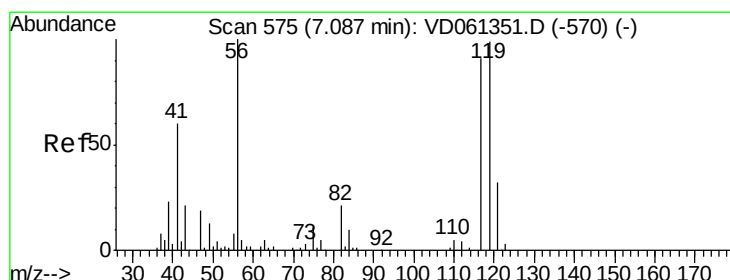
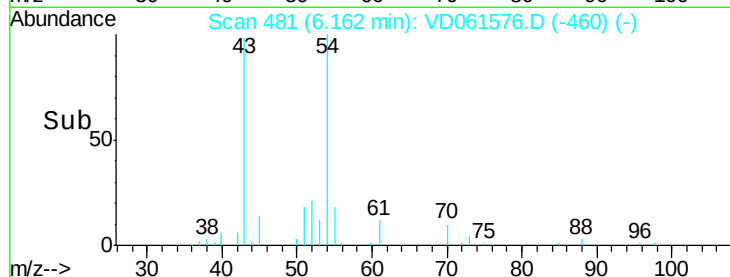
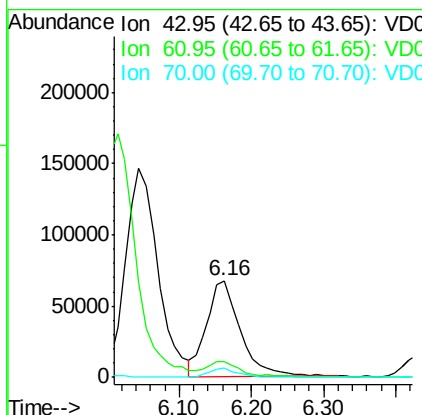
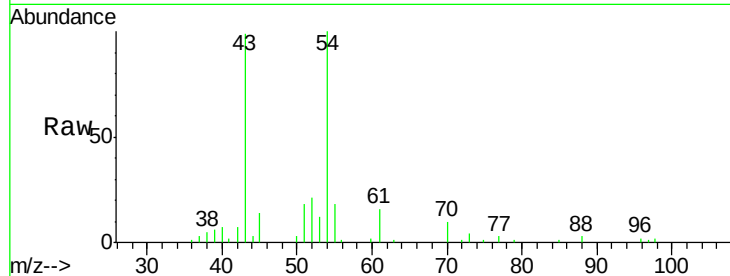
#37
Ethyl Acetate
Concen: 56.874 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	13.8	20.8
70	10.0	7.8	11.8

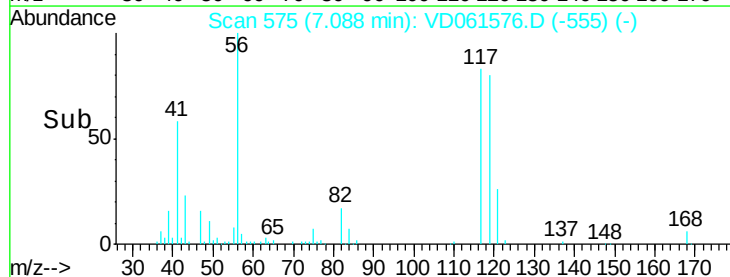
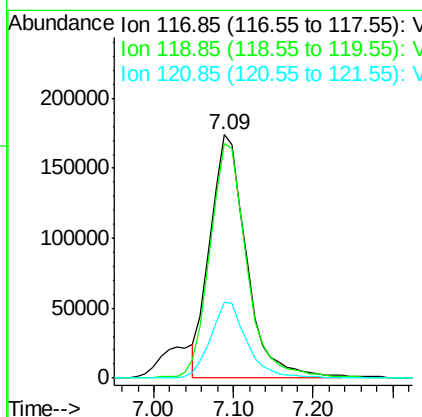
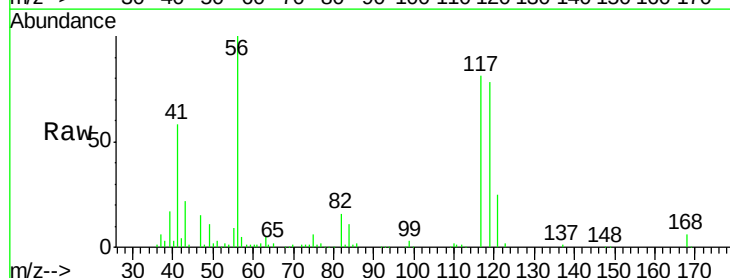
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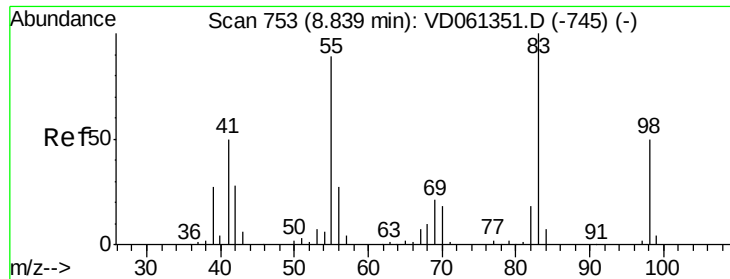
MMDadoda
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#38
Carbon Tetrachloride
Concen: 54.005 ug/l m
RT: 7.09 min Scan# 575
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	80.1	120.1
121	31.3	25.6	38.4





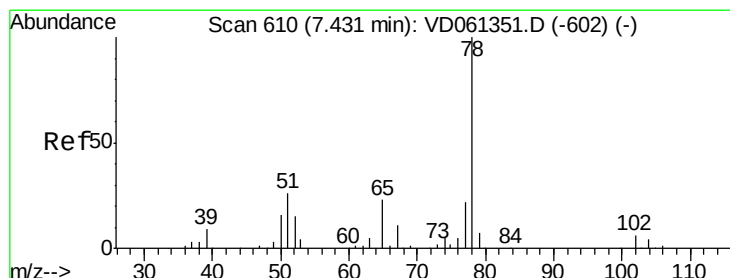
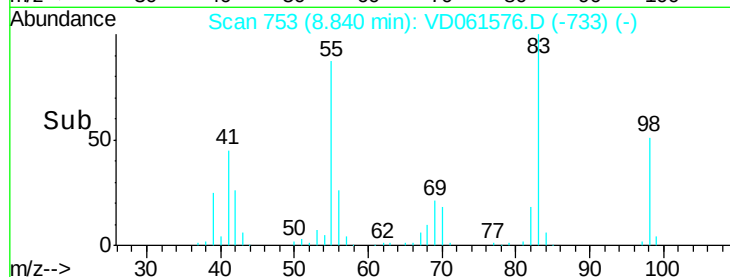
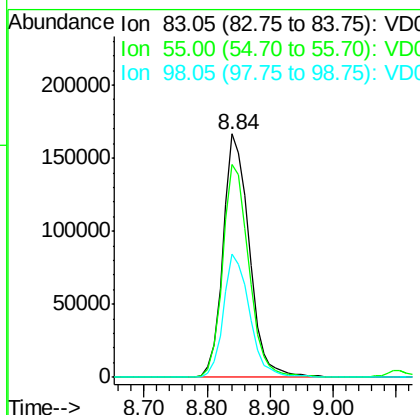
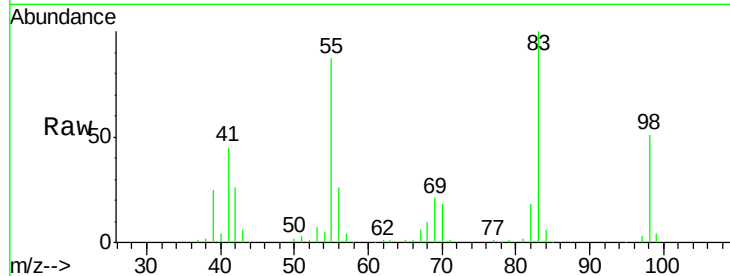
#39
Methylvlcyclohexane
Concen: 51.621 ug/l
RT: 8.84 min Scan# 753
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	480343
Ion Ratio	Lower	Upper	
83	100		
55	87.3	71.5	107.3
98	50.6	40.3	60.5

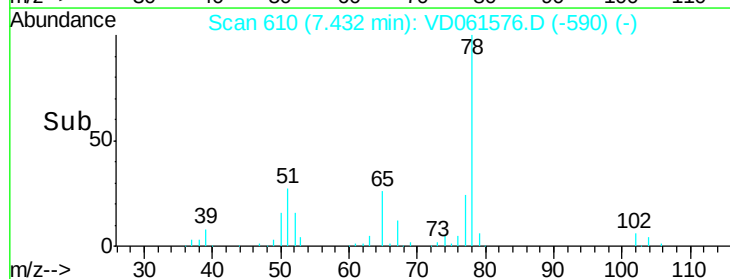
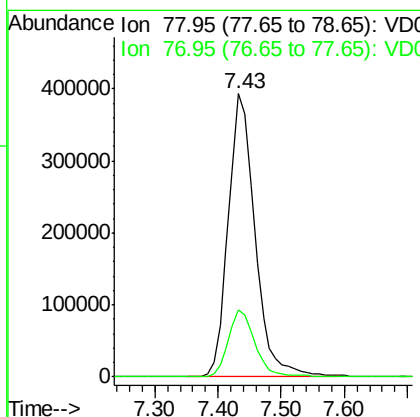
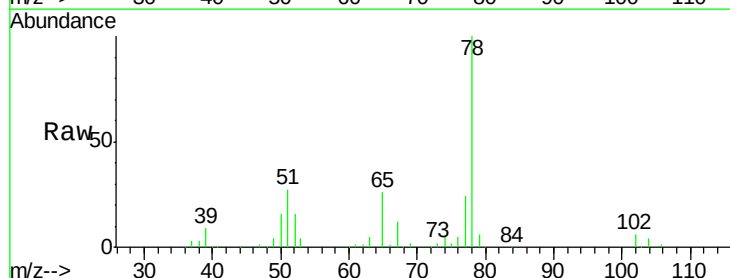
Manual Integrations
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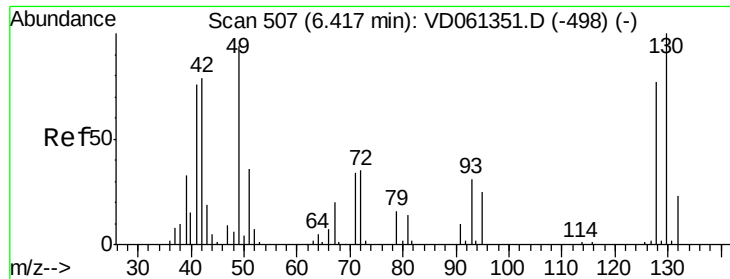
MMDadoda
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#40
Benzene
Concen: 51.523 ug/l
RT: 7.43 min Scan# 610
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion	78	Resp	1155309
Ion Ratio	Lower	Upper	
78	100		
77	23.7	17.8	26.6





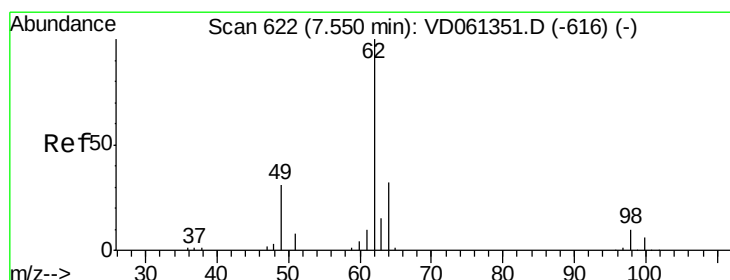
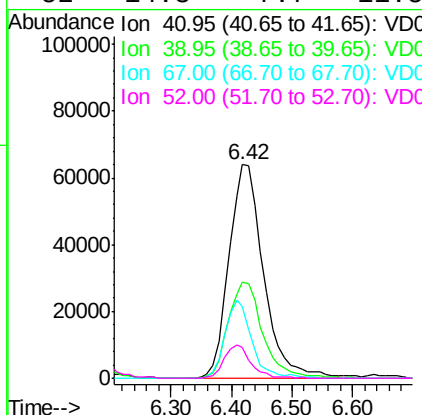
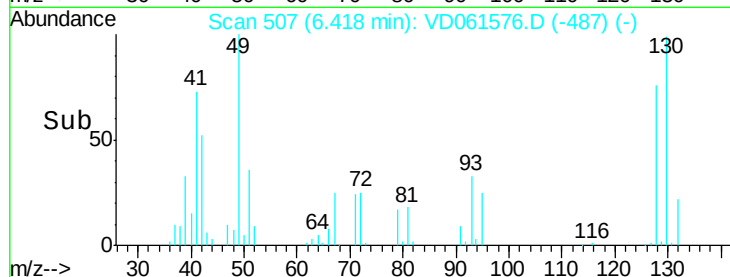
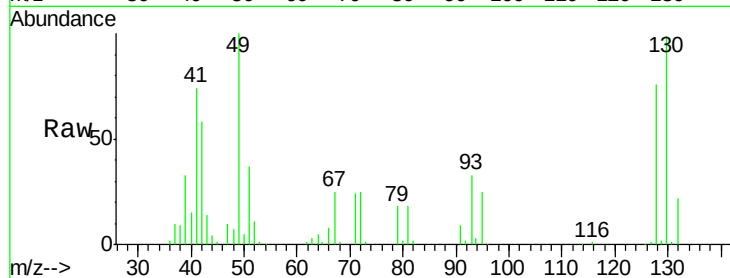
#41
Methacrylonitrile
Concen: 56.713 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.2	35.0	52.6
67	33.6	21.0	31.6#
52	14.3	7.7	11.5#

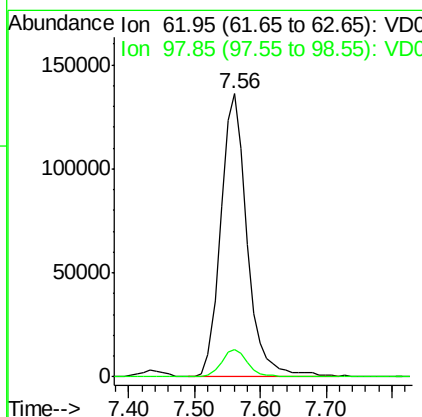
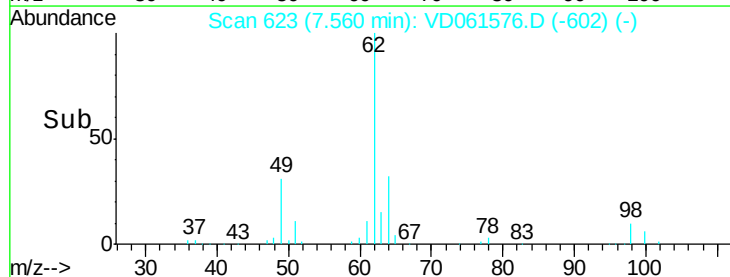
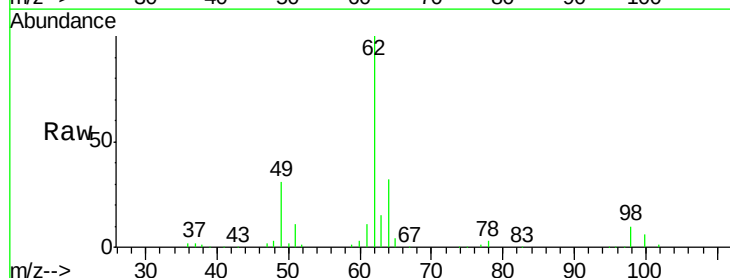
Manual Integrations
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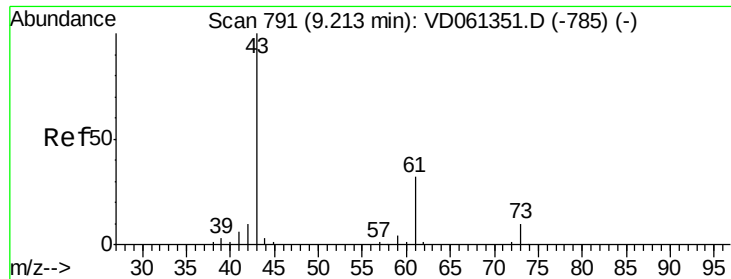
MMDadoda
4/5/2019 2:37:03 PM



#42
1,2-Dichloroethane
Concen: 56.716 ug/l
RT: 7.56 min Scan# 623
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.8





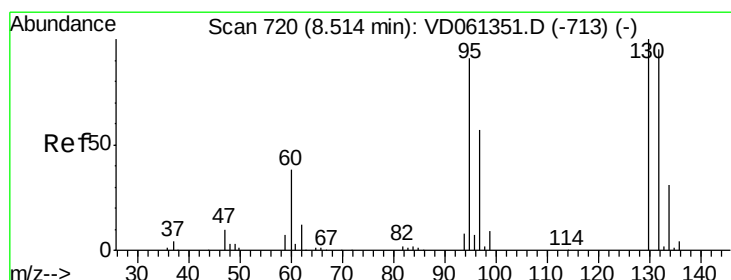
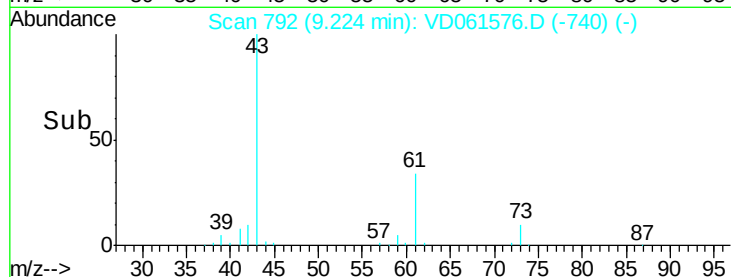
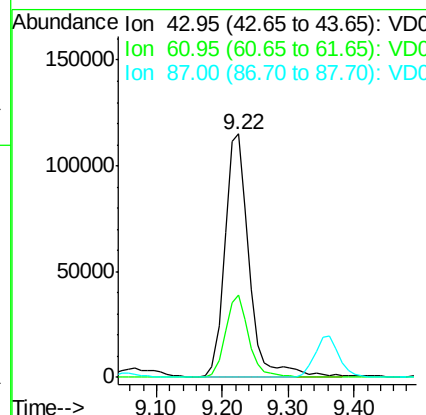
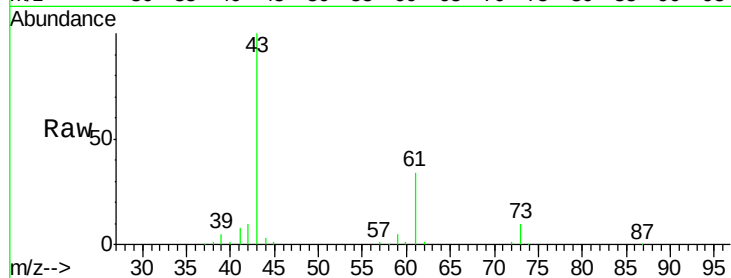
#43
Isopropyl Acetate
Concen: 53.393 ug/l
RT: 9.22 min Scan# 792
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.7	25.8	38.6
87	0.3	0.0	0.0#

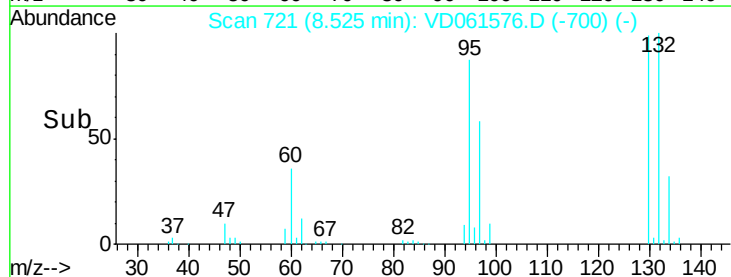
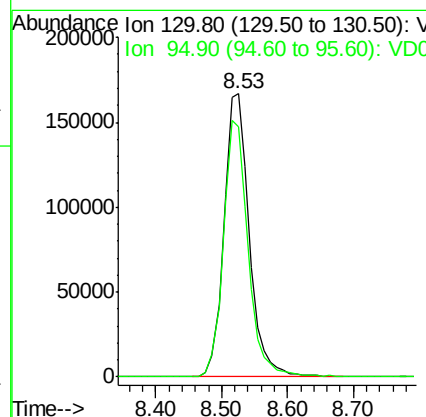
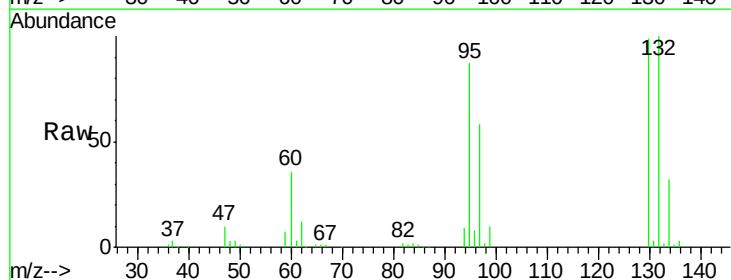
Manual Integrations
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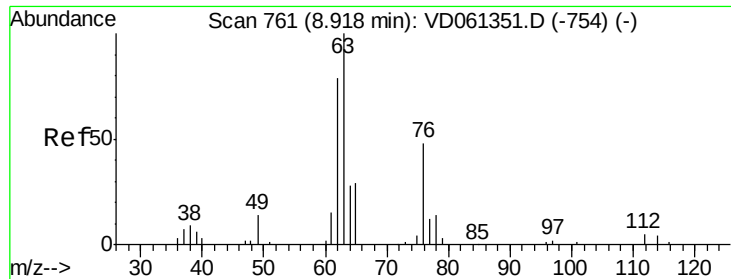
MMDadoda
4/5/2019 2:37:03 PM



#44
Trichloroethene
Concen: 53.624 ug/l
RT: 8.53 min Scan# 721
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.4	0.0	181.4





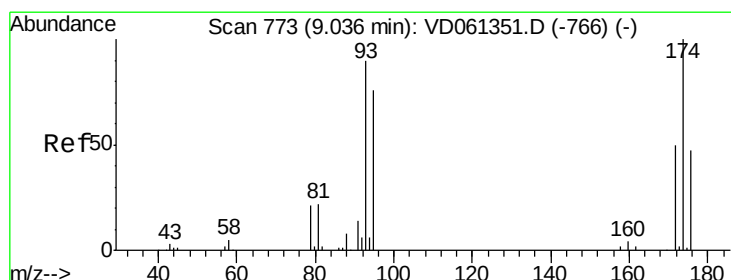
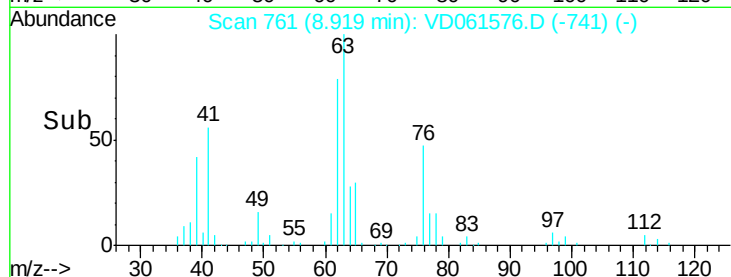
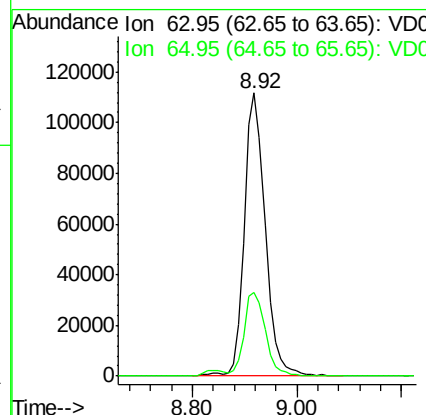
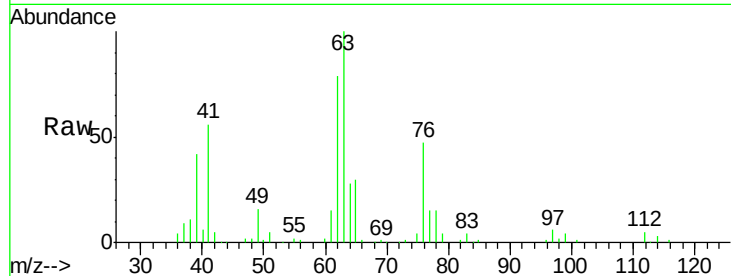
#45
 1,2-Dichloropropane
 Concen: 53.098 ug/l
 RT: 8.92 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 301905
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.0 37.4

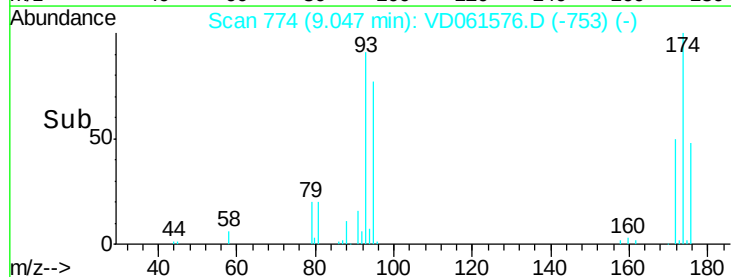
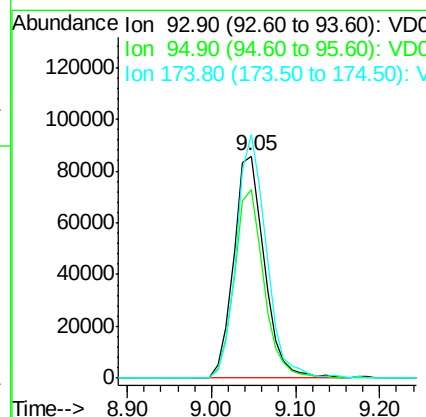
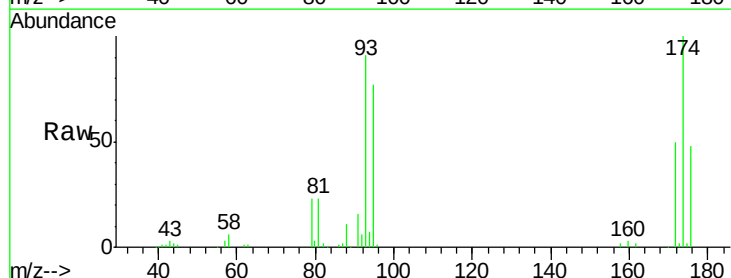
Manual Integrations
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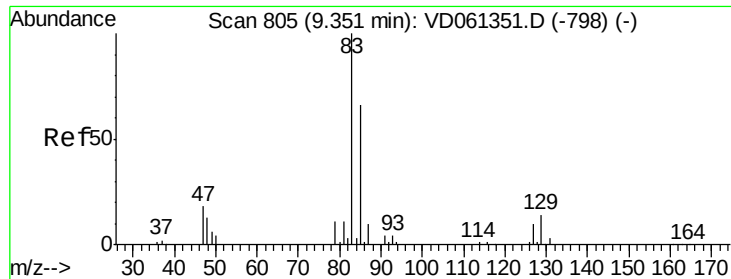
MMDadoda
 4/5/2019 2:37:03 PM



#46
 Dibromomethane
 Concen: 56.886 ug/l
 RT: 9.05 min Scan# 774
 Delta R.T. 0.01 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion: 93 Resp: 217701
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.4 101.0
 174 109.4 88.9 133.3





#47

Bromodichloromethane

Concen: 55.918 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

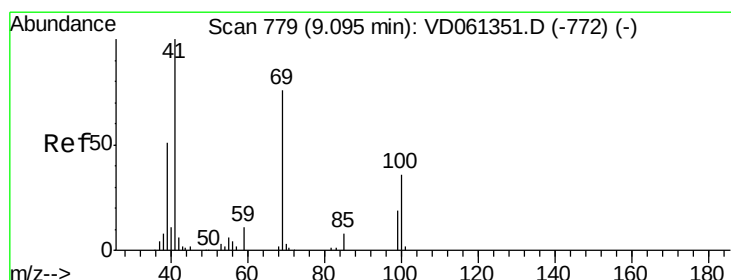
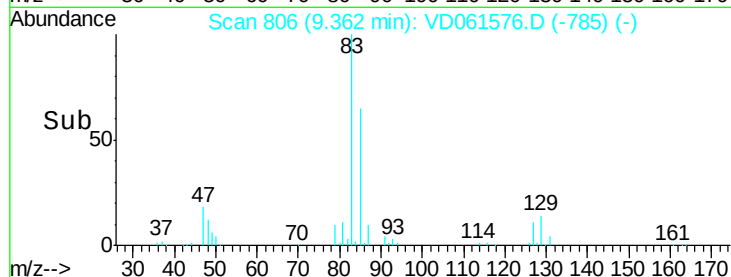
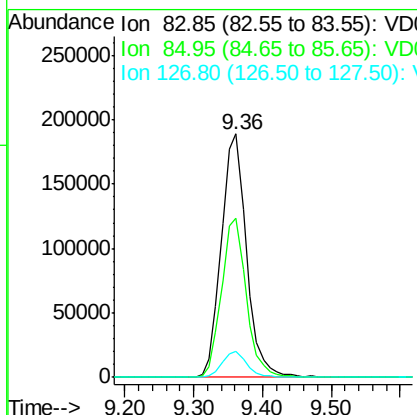
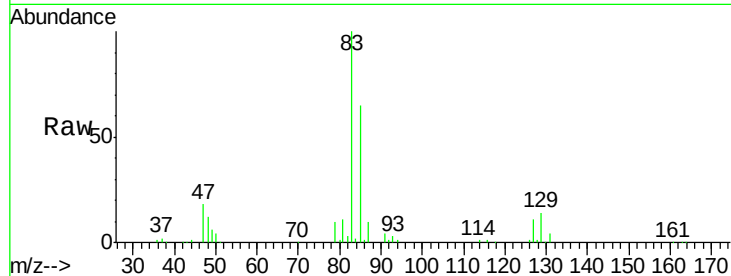
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	480308
Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.0	79.4
127	10.8	8.4	12.6

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 58.033 ug/l

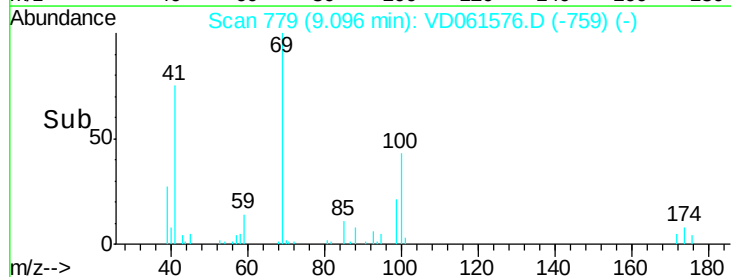
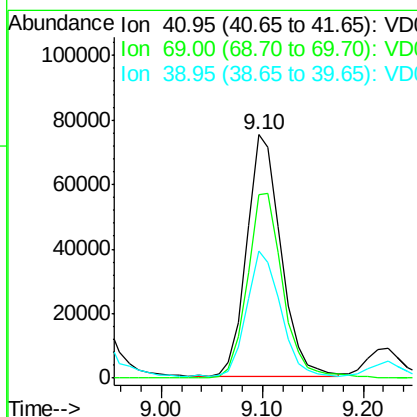
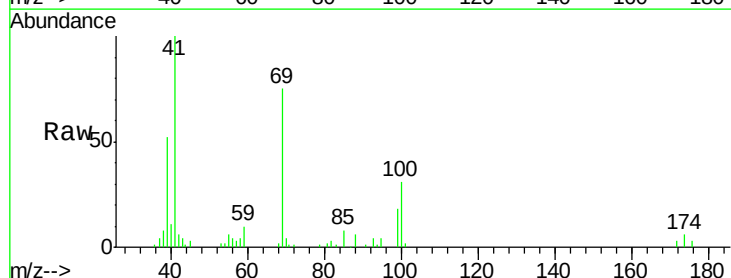
RT: 9.10 min Scan# 779

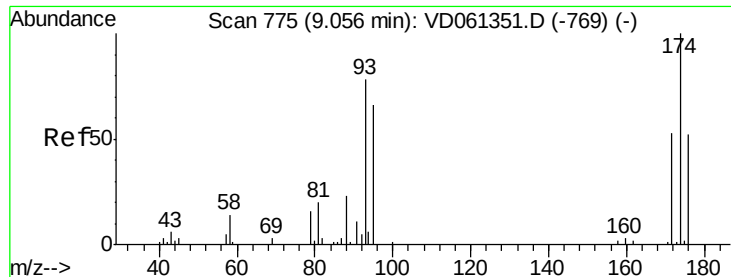
Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Tgt Ion:	41	Resp:	178061
Ion	Ratio	Lower	Upper
41	100		
69	75.4	60.2	90.4
39	52.2	41.4	62.2





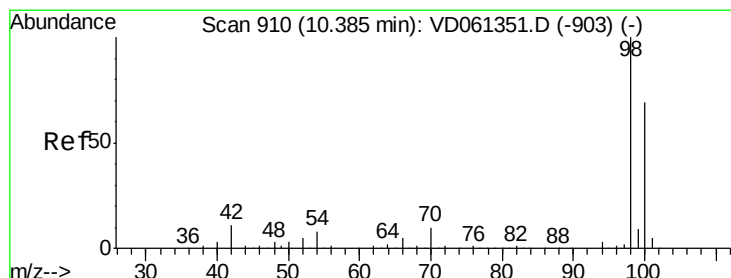
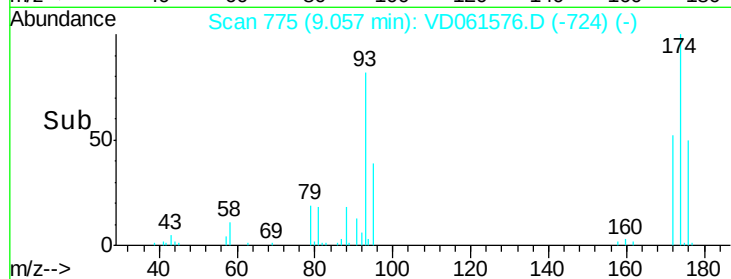
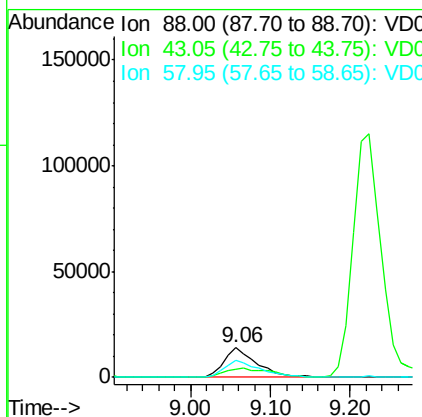
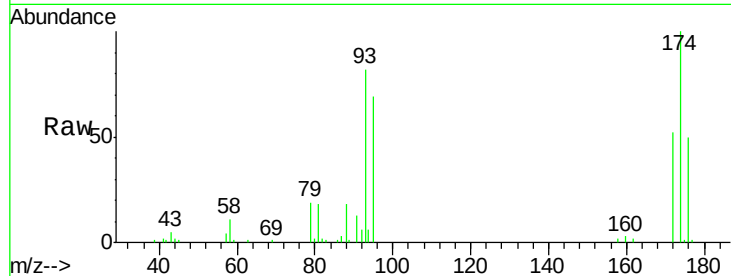
#49
1,4-Dioxane
Concen: 1190.158 ug/l
RT: 9.06 min Scan# 775
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	40278
Ion	Ratio	Lower	Upper
88	100		
43	26.3	23.3	34.9
58	58.4	50.8	76.2

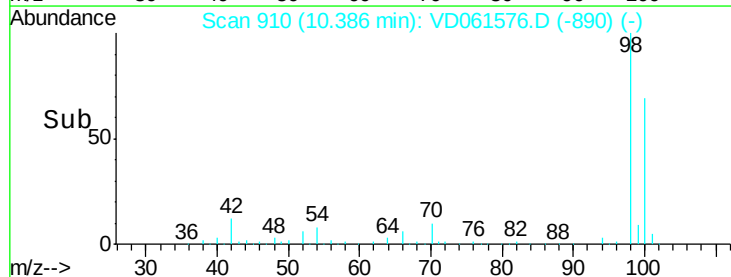
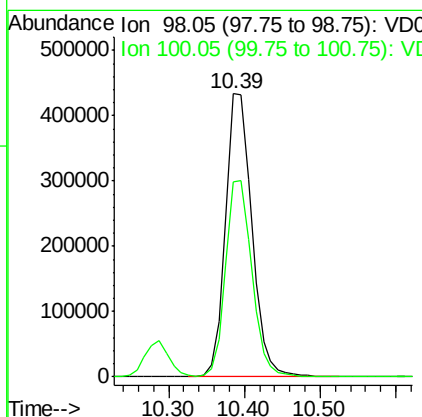
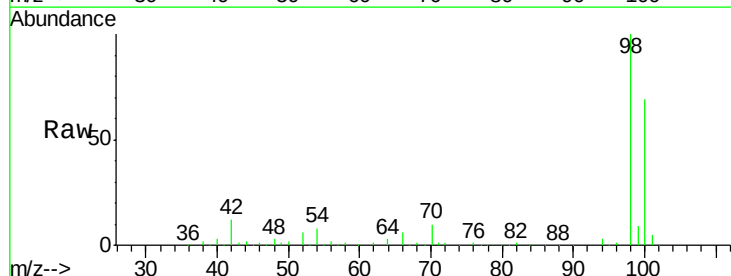
Manual Integrations
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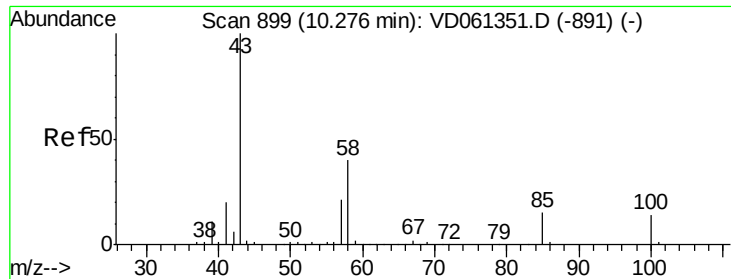
MMDadoda
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#50
Toluene-d8
Concen: 1190.158 ug/l
RT: 10.39 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion	98	Resp	1043572
Ion	Ratio	Lower	Upper
98	100		
100	69.1	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 286.741 ug/l

RT: 10.28 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Tot Ion: 43 Resp: 969870

Ion Ratio Lower Upper

43 100

58 38.7 31.8 47.8

Instrument :

MSVOA_D

ClientSampleId :

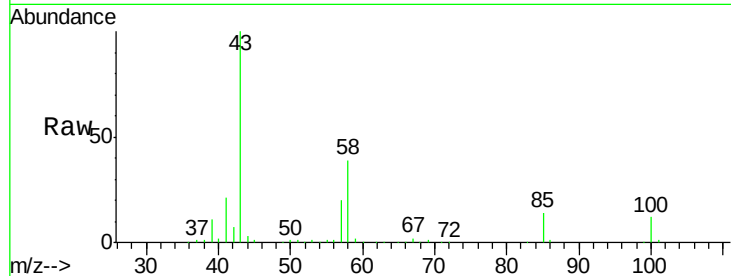
VSTDCCC050

Manual Integrations

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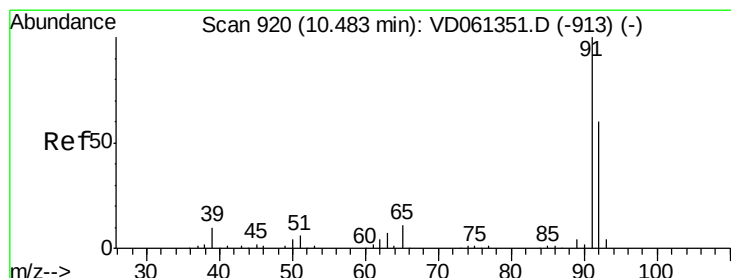
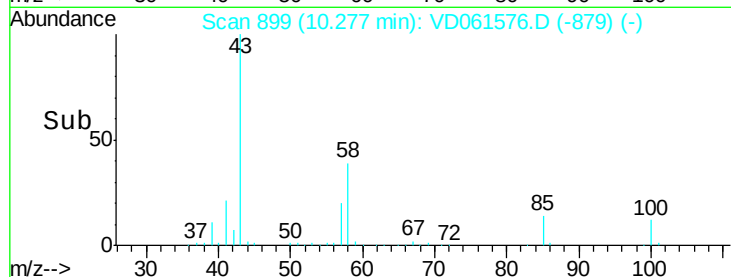
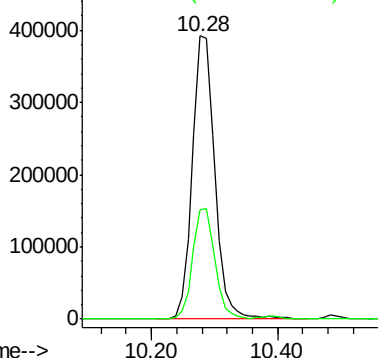
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.302 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061576.D

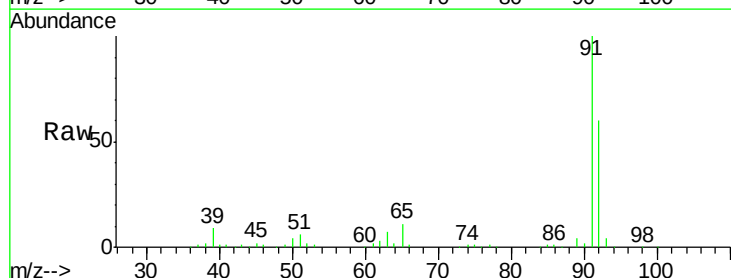
Acq: 4 Apr 2019 13:37

Tgt Ion: 92 Resp: 729157

Ion Ratio Lower Upper

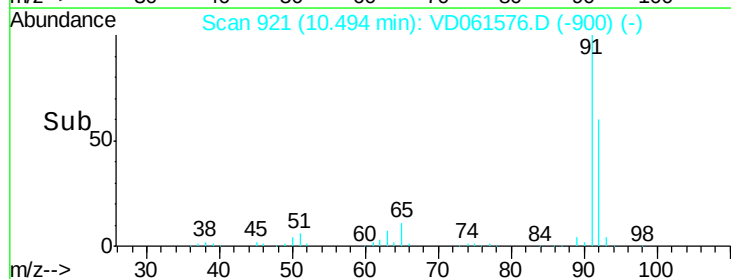
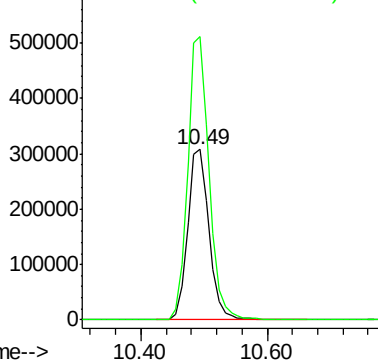
92 100

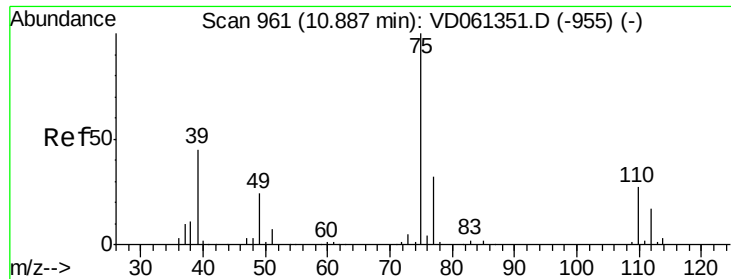
91 165.9 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 55.690 ug/l

RT: 10.90 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Tot Ion: 75 Resp: 434604

Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

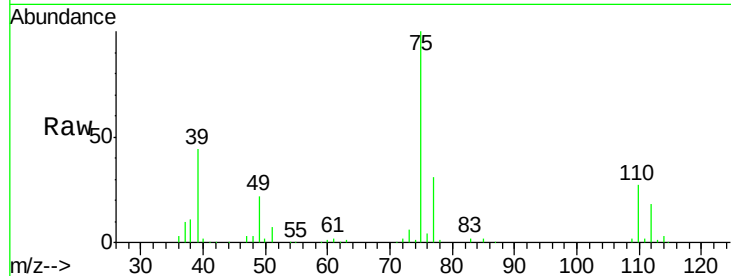
VSTDCCC050

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

250000

200000

150000

100000

50000

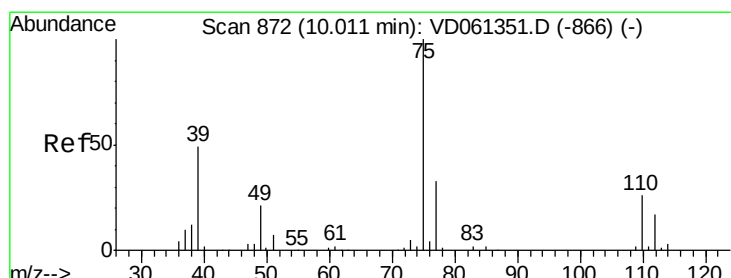
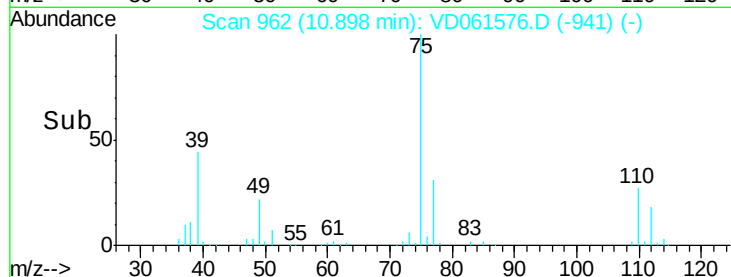
0

10.80

10.90

11.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.223 ug/l

RT: 10.02 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

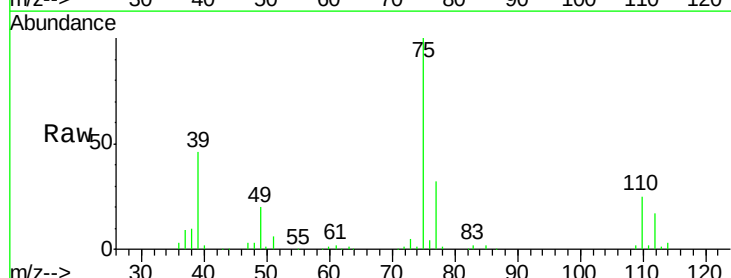
Tgt Ion: 75 Resp: 524766

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.4

39 46.4 39.4 59.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

300000

250000

200000

150000

100000

50000

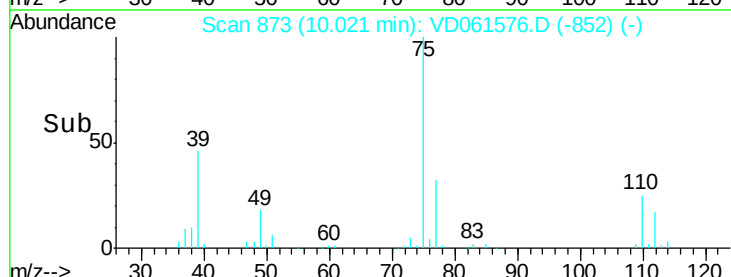
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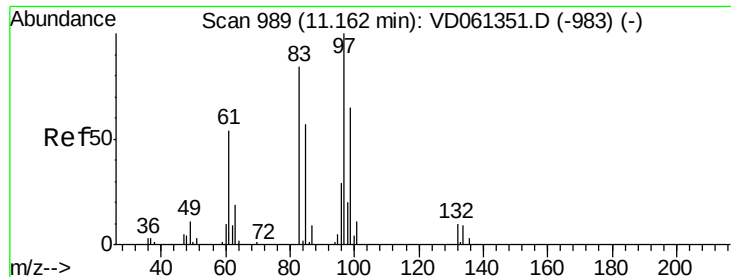
10.00

10.02

10.20

Time-->





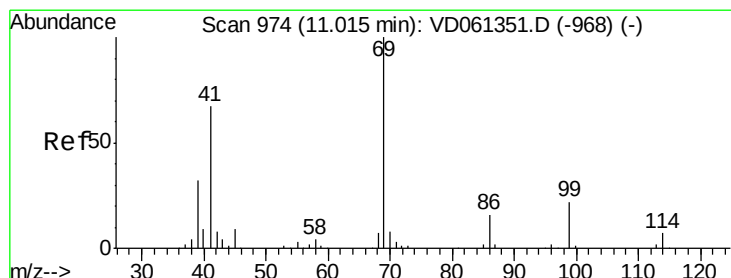
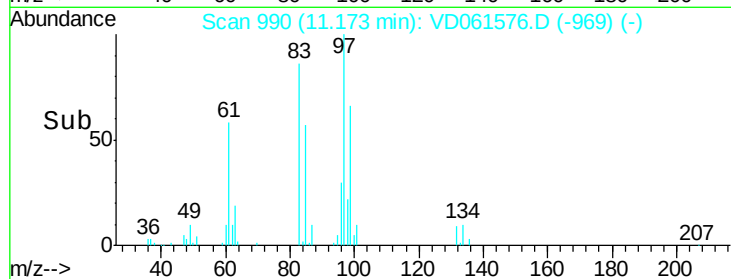
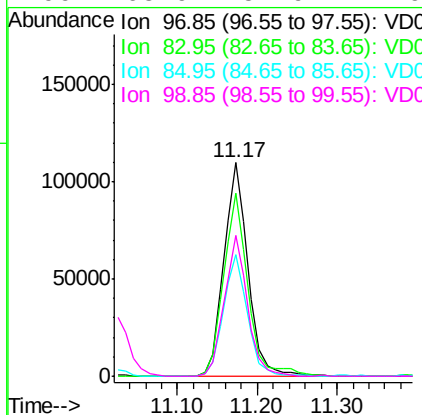
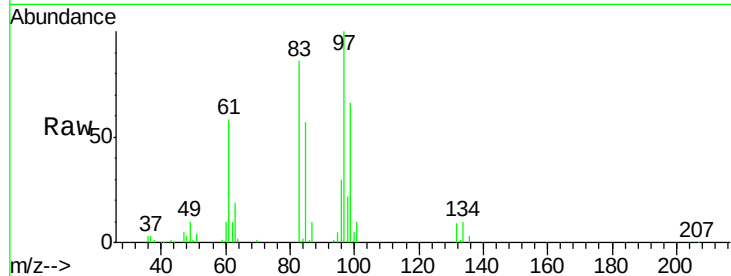
#55
 1,1,2-Trichloroethane
 Concen: 48.992 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	234382
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.0	100.6
85	57.0	45.4	68.2
99	65.9	51.9	77.9

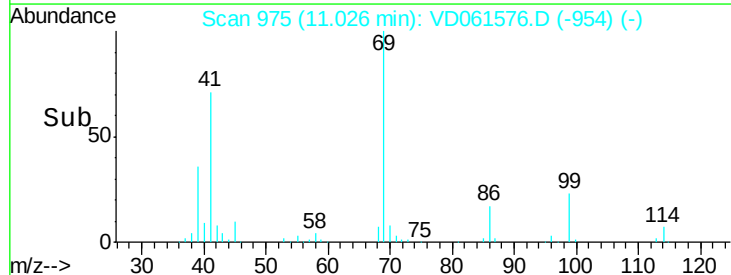
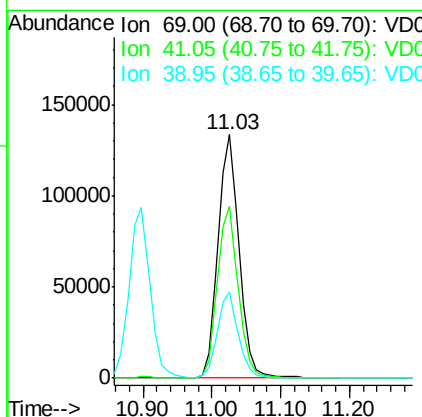
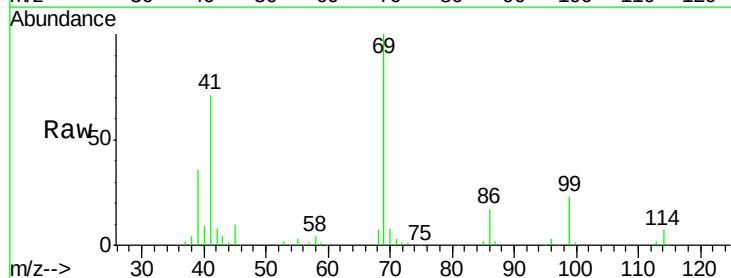
Manual Integrations
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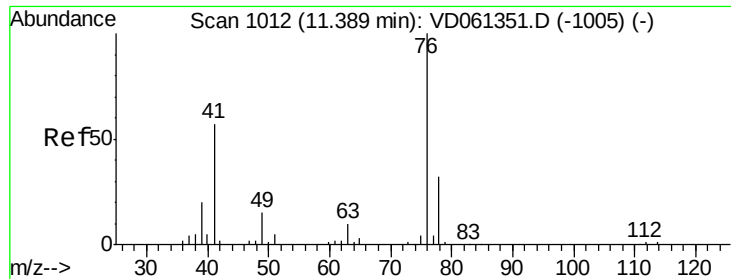
MMDadoda
 4/5/2019 2:37:03 PM



#56
 Ethyl methacrylate
 Concen: 54.750 ug/l
 RT: 11.03 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion:	69	Resp:	281383
Ion	Ratio	Lower	Upper
69	100		
41	70.8	53.8	80.6
39	35.5	26.4	39.6





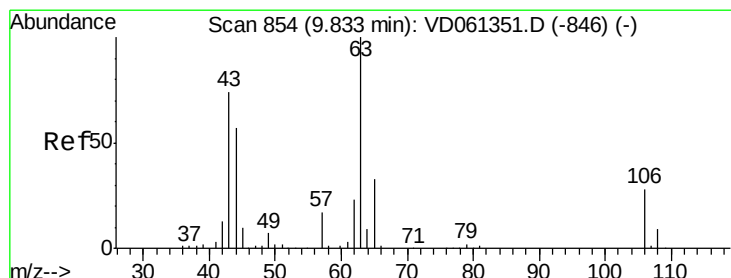
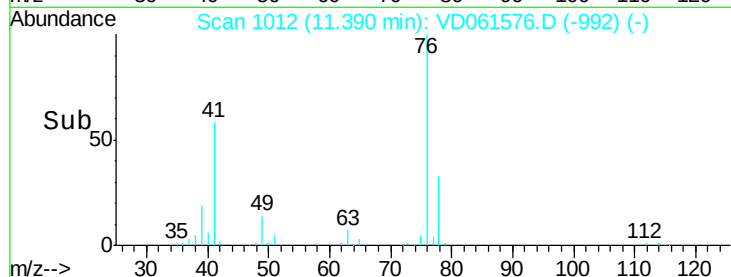
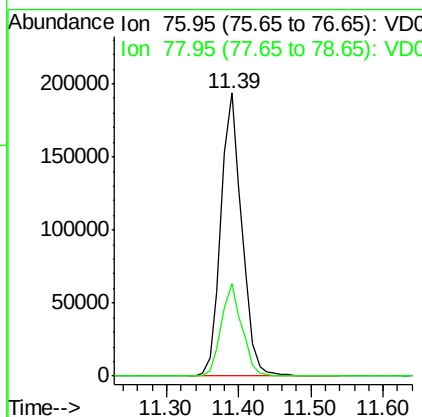
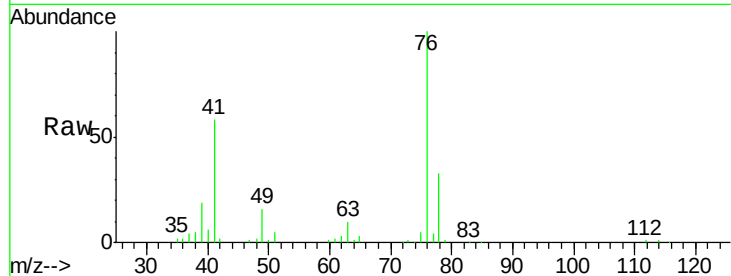
#57
 1,3-Dichloropropane
 Concen: 55.104 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 387479
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.4 38.0

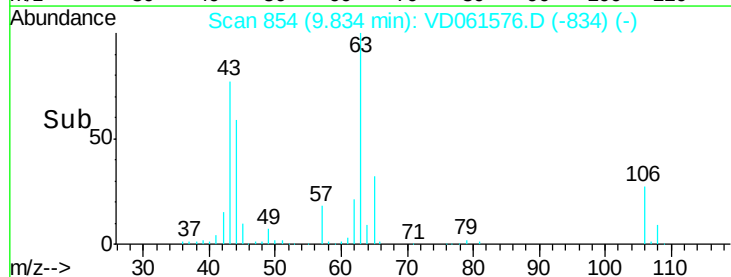
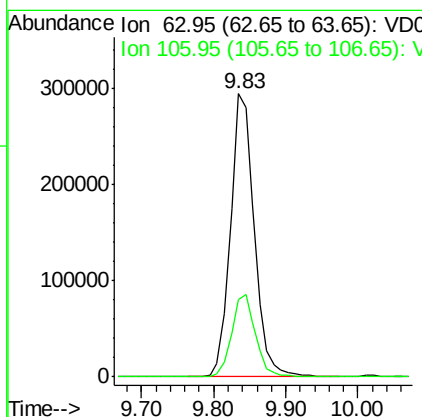
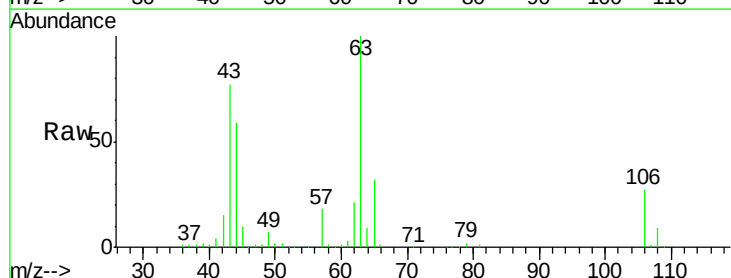
Manual Integrations
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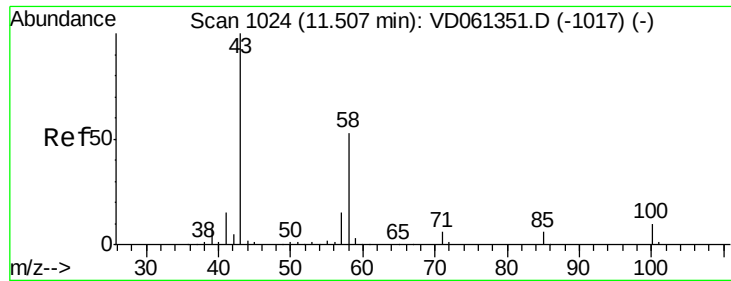
MMDadoda
 4/5/2019 2:37:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.755 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion: 63 Resp: 677663
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.4 33.6





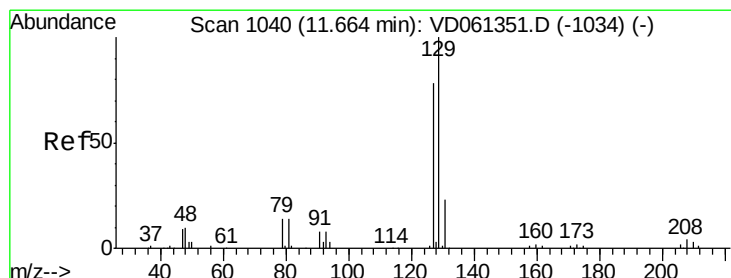
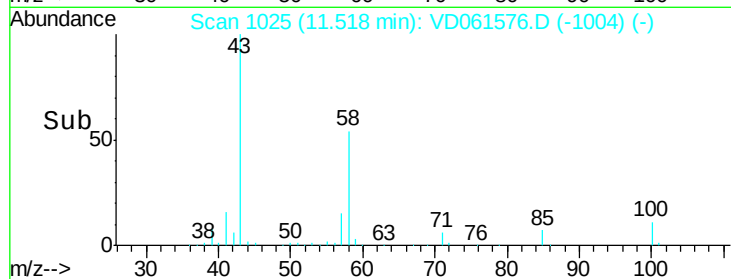
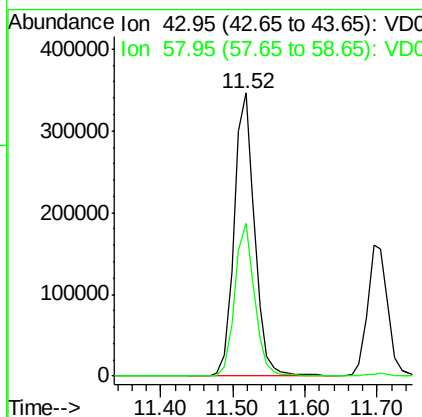
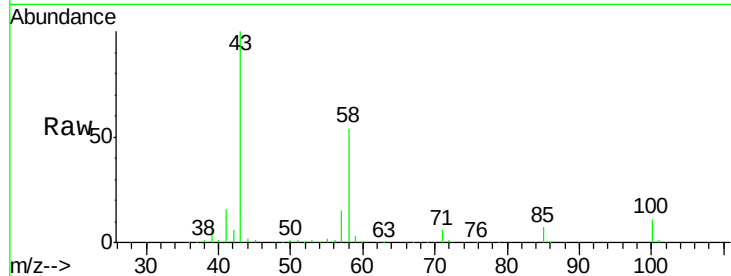
#59
2-Hexanone
Concen: 279.841 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 685792
Ion Ratio Lower Upper
43 100
58 53.9 26.3 78.9

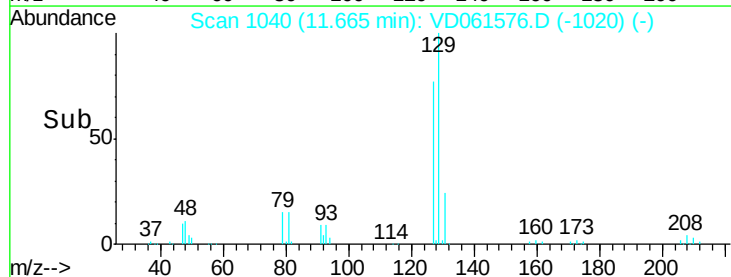
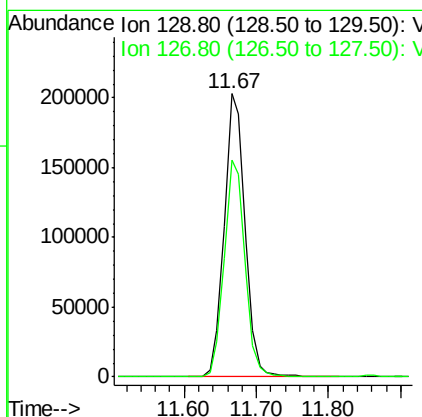
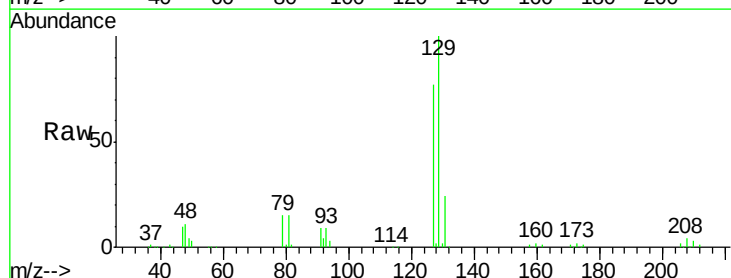
Manual Integrations
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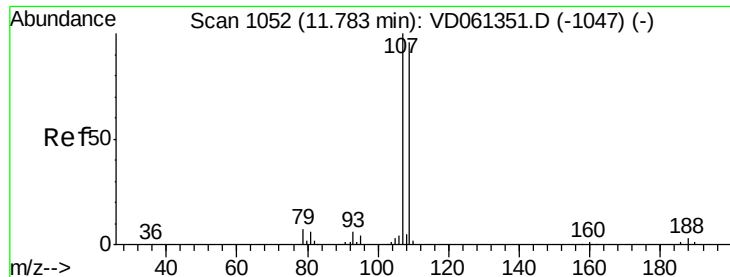
MMDadoda
4/5/2019 2:37:03 PM



#60
Dibromochloromethane
Concen: 54.854 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion:129 Resp: 404559
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 53.484 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 296287

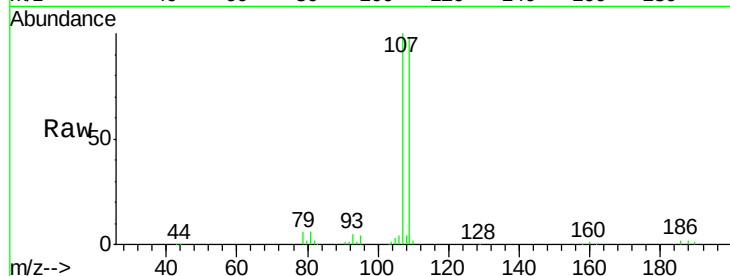
Ion Ratio Lower Upper

107 100

109 97.8 76.6 114.8

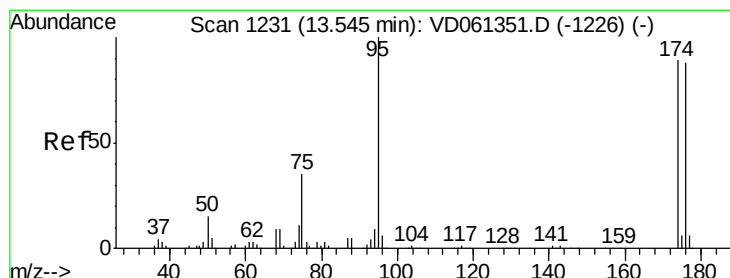
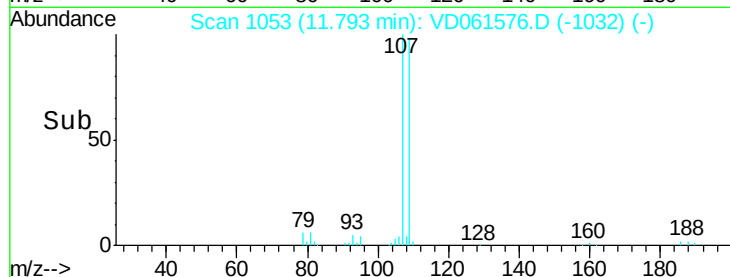
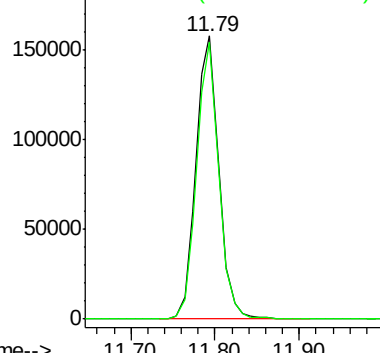
Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 53.484 ug/l

RT: 13.55 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

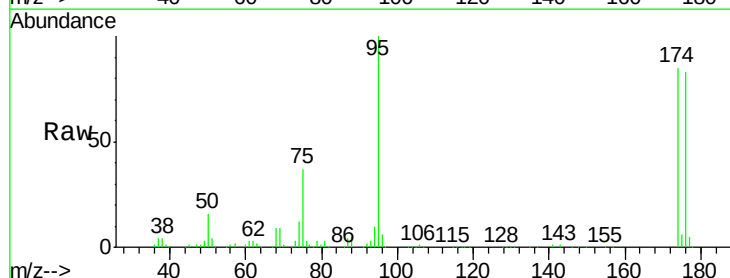
Tgt Ion: 95 Resp: 408971

Ion Ratio Lower Upper

95 100

174 85.5 0.0 178.0

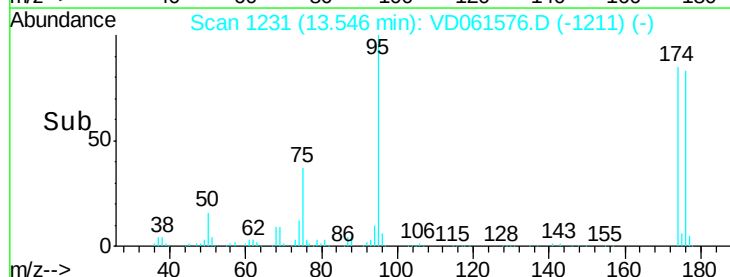
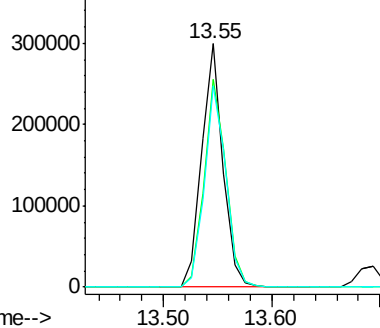
176 82.9 0.0 175.0

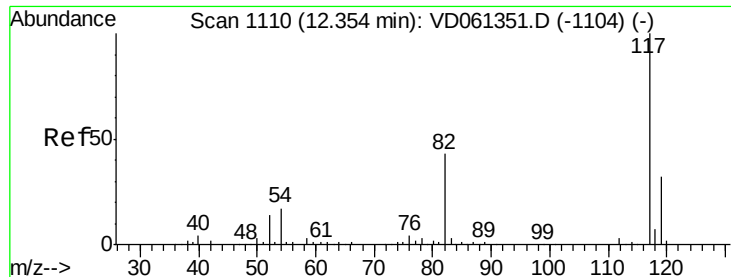


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





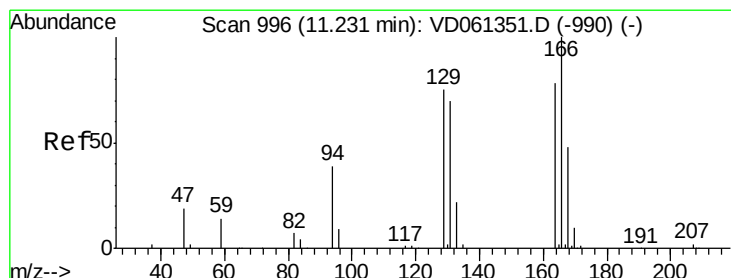
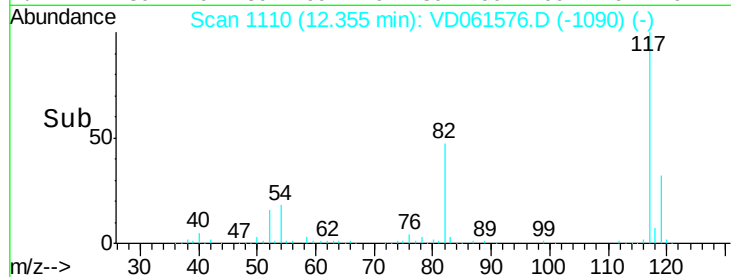
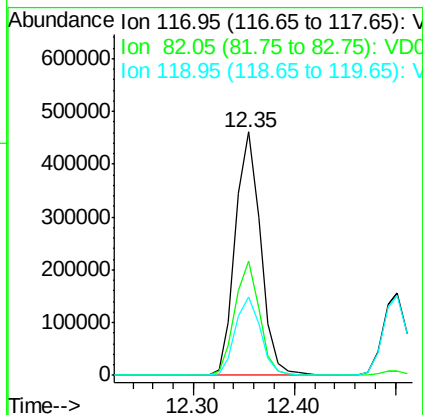
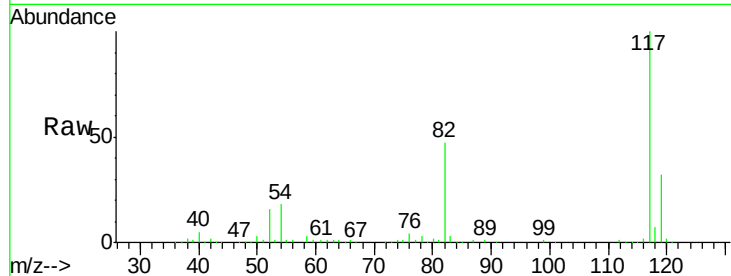
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.8	34.4	51.6
119	32.4	25.8	38.6

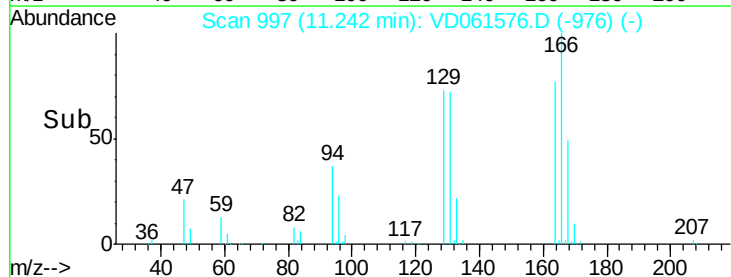
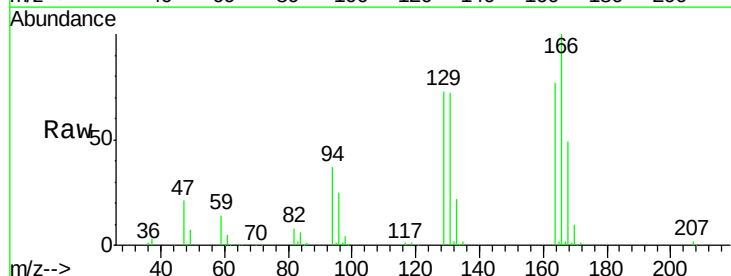
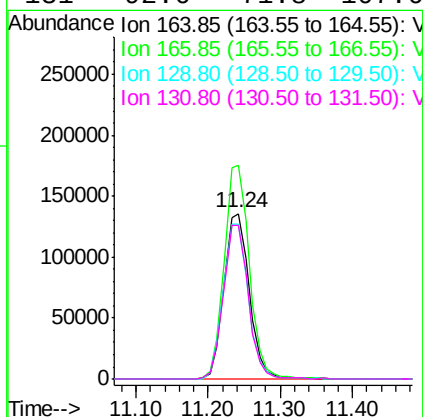
Manual Integrations
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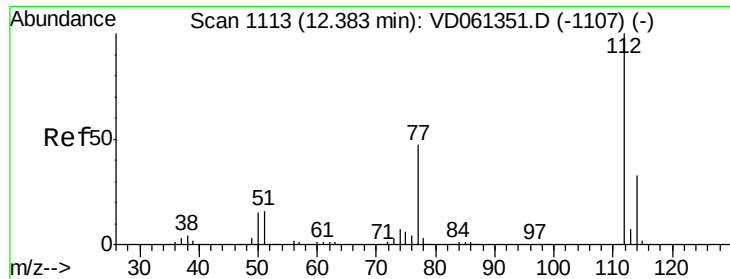
MMDadoda
4/5/2019 2:37:03 PM



#64
Tetrachloroethene
Concen: 52.865 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.4	153.6
129	93.9	76.8	115.2
131	92.6	71.8	107.6





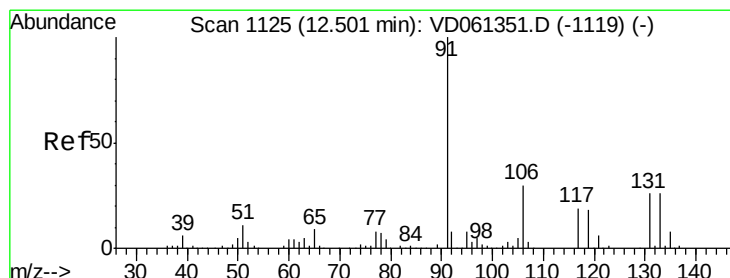
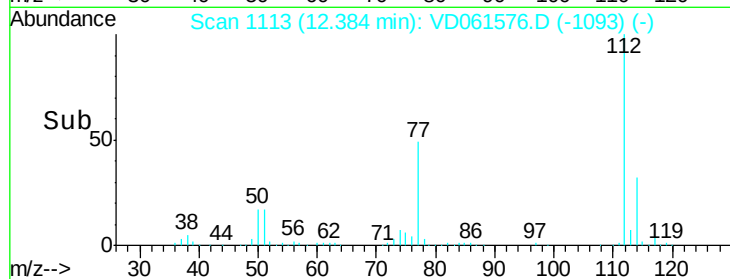
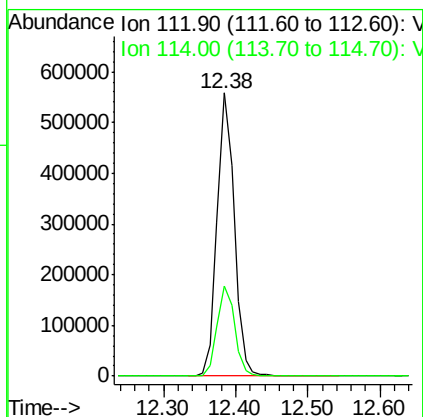
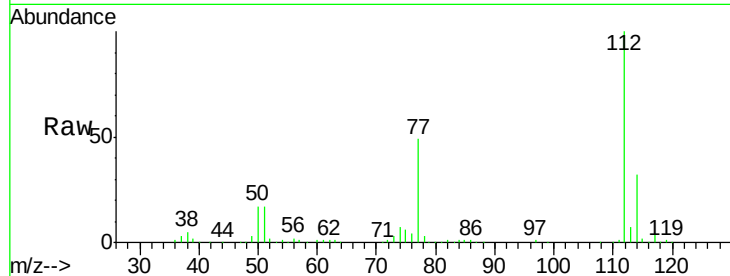
#65
Chlorobenzene
Concen: 55.843 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 912191
Ion Ratio Lower Upper
112 100
114 31.7 26.6 39.8

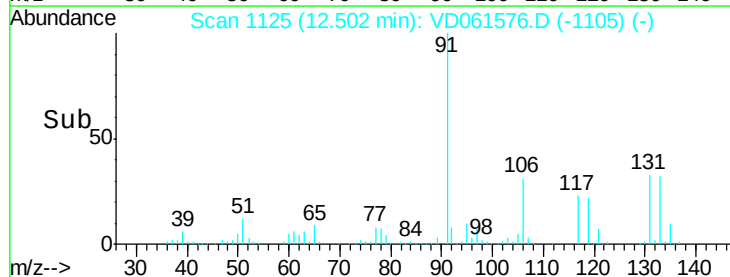
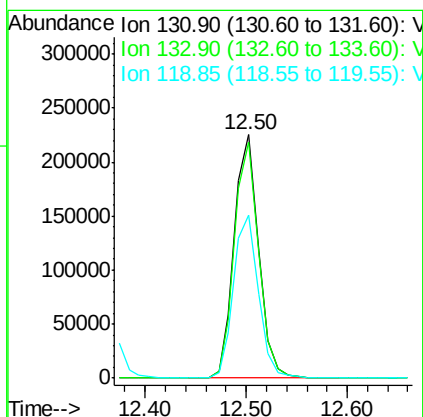
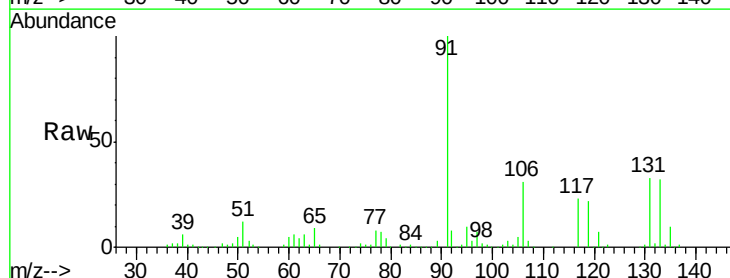
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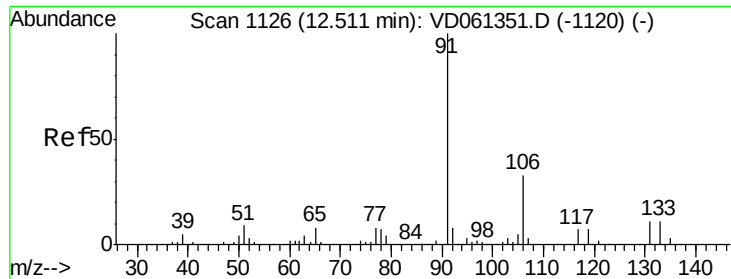
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.769 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion:131 Resp: 378022
Ion Ratio Lower Upper
131 100
133 97.0 49.4 148.2
119 67.1 34.1 102.2





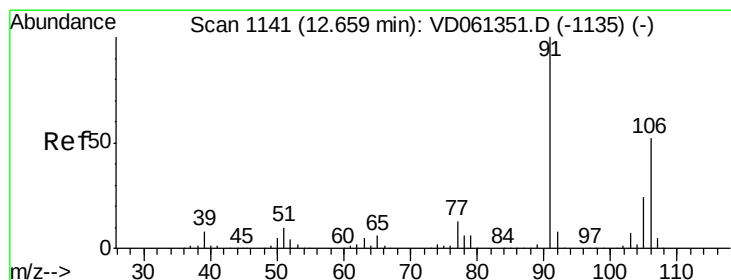
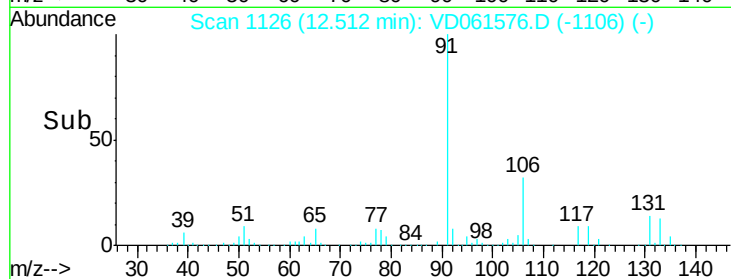
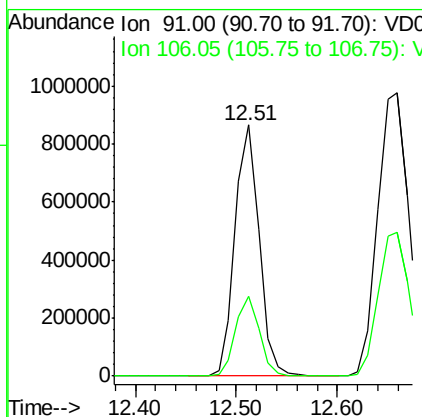
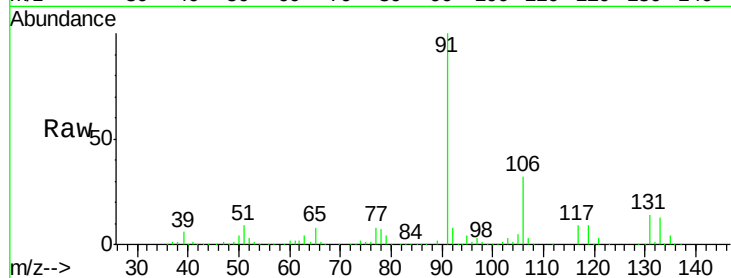
#67
Ethyl Benzene
Concen: 57.909 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1443862
Ion Ratio Lower Upper
91 100
106 31.6 26.1 39.1

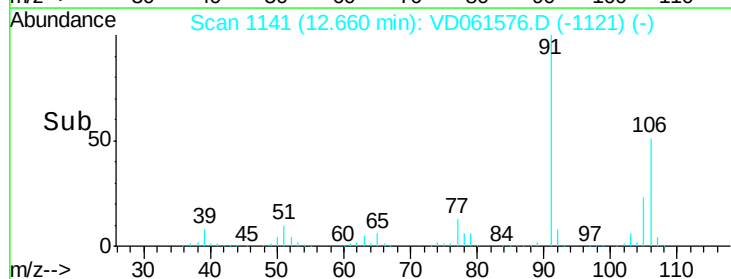
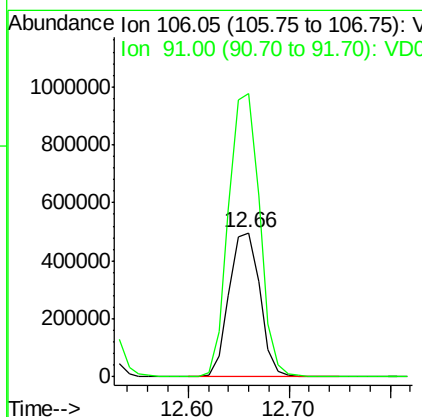
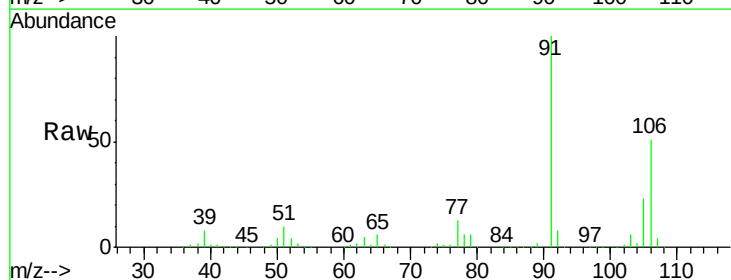
Manual Integrations
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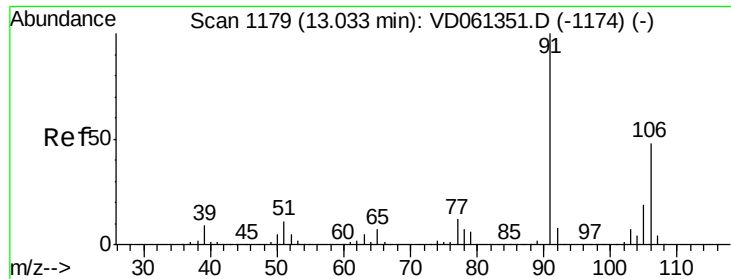
MMDadoda
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#68
m/p-Xylenes
Concen: 112.044 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion:106 Resp: 1058237
Ion Ratio Lower Upper
106 100
91 196.1 153.1 229.7





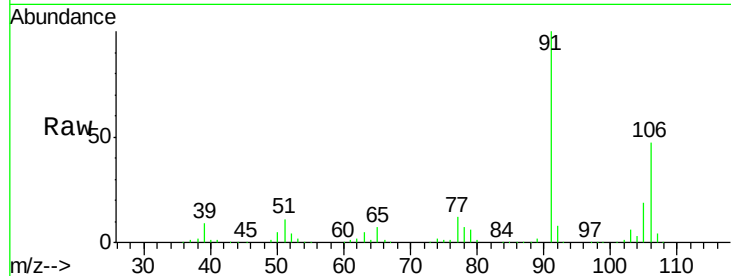
#69
o-Xylene
Concen: 53.194 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

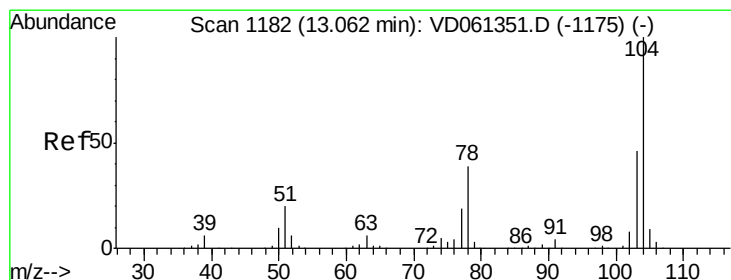
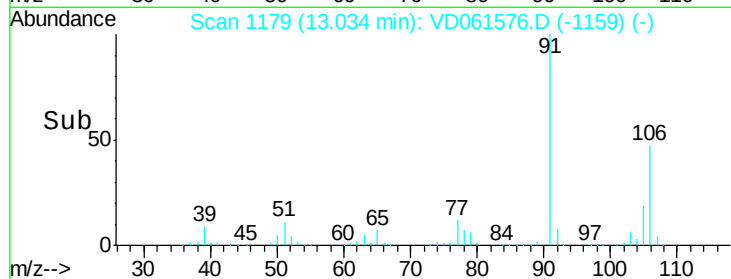
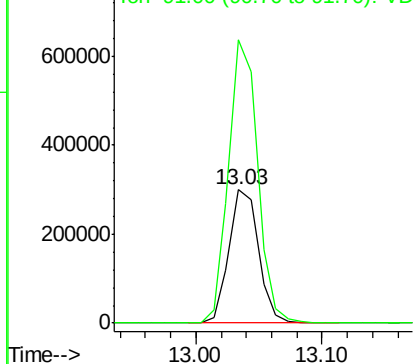
Tot Ion:106 Resp: 487542
Ion Ratio Lower Upper
106 100
91 212.7 103.8 311.3

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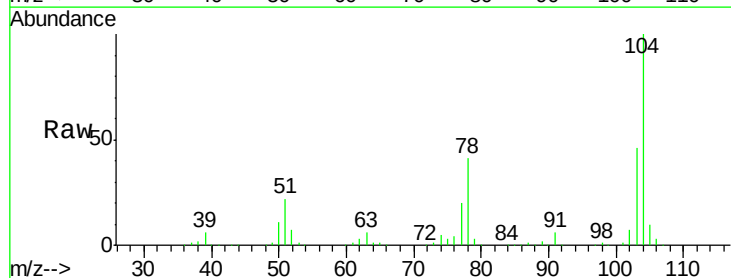


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

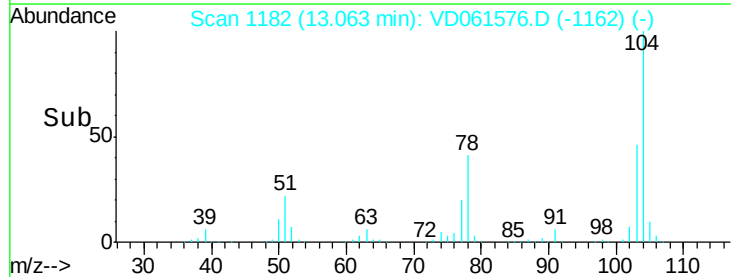
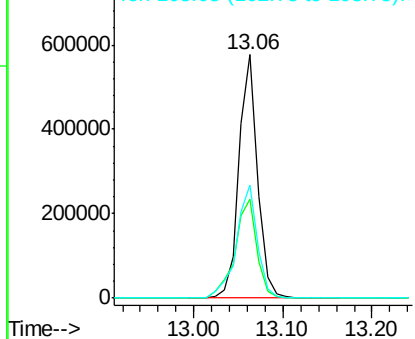


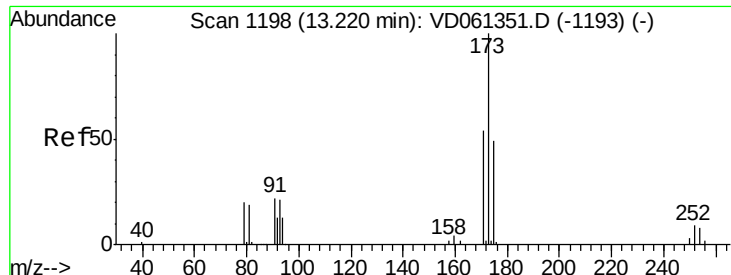
#70
Styrene
Concen: 52.459 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion:104 Resp: 838151
Ion Ratio Lower Upper
104 100
78 40.8 31.0 46.6
103 46.2 37.0 55.4



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





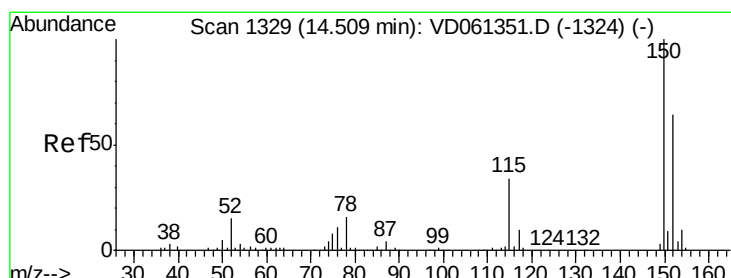
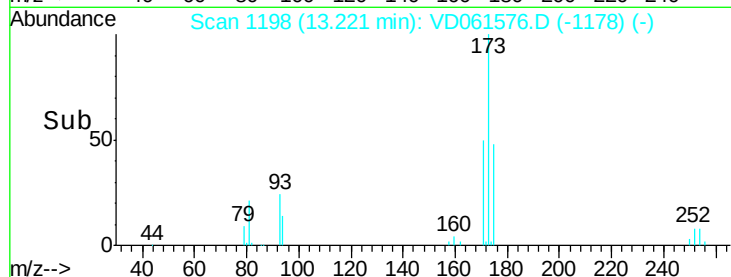
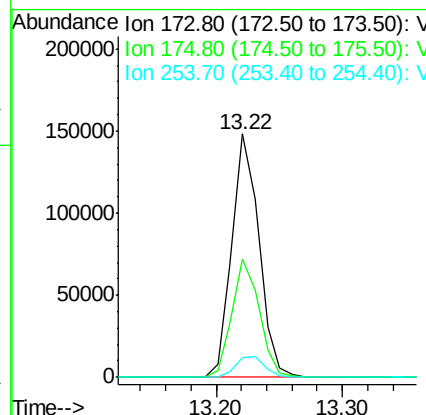
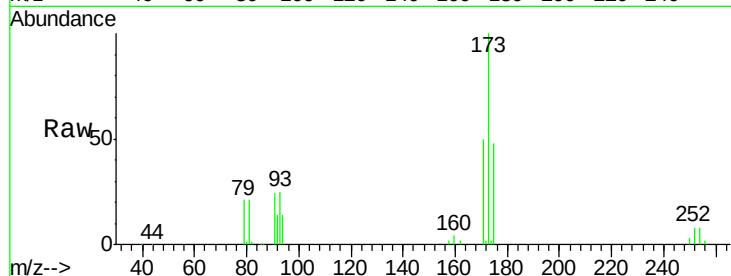
#71
Bromoform
Concen: 54.734 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.8
254	7.8	6.6	10.0

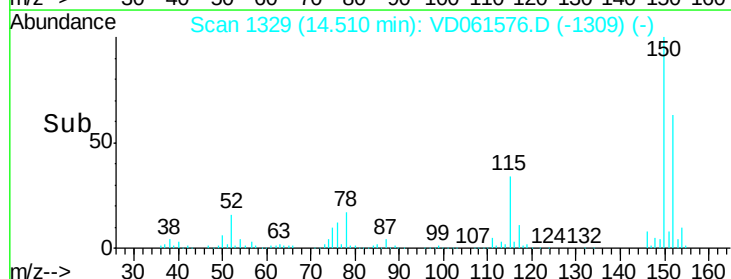
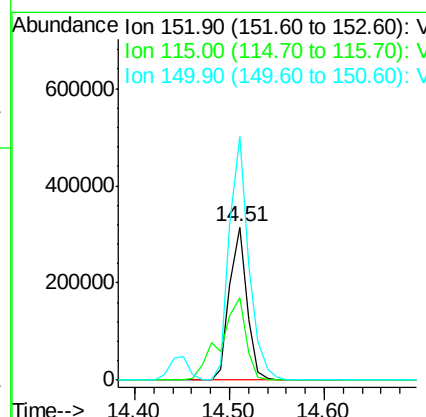
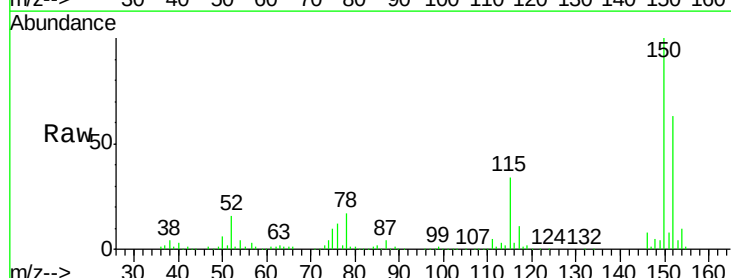
Manual Integrations
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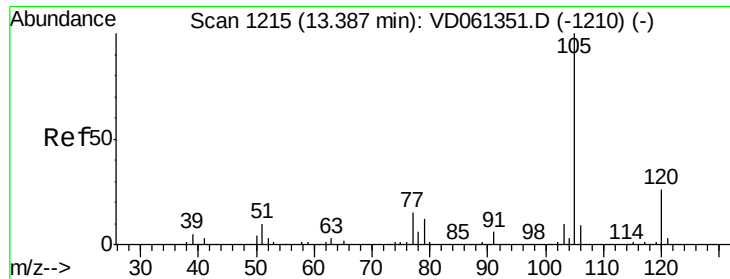
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	26.9	80.6
150	159.4	0.0	318.0





#73

Isopropylbenzene

Concen: 48.932 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1372063

Ion Ratio Lower Upper

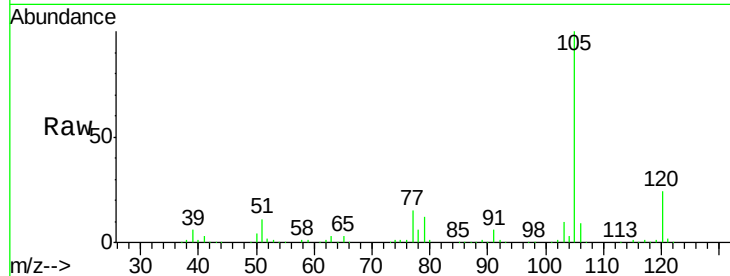
105 100

120 24.5 12.8 38.3

Manual Integrations
APPROVED

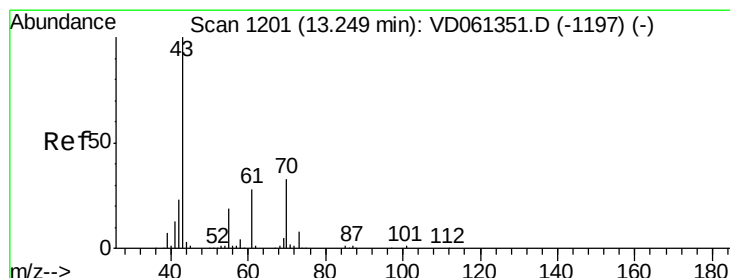
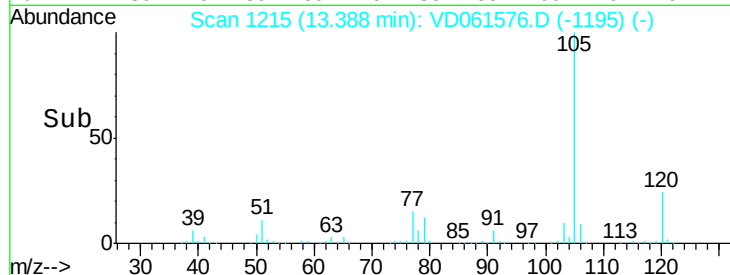
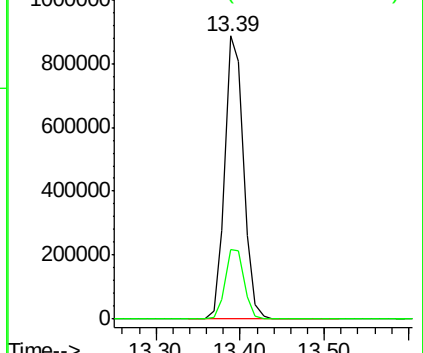
MMDadoda

4/5/2019 2:37:03 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.369 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Tgt Ion: 43 Resp: 385625

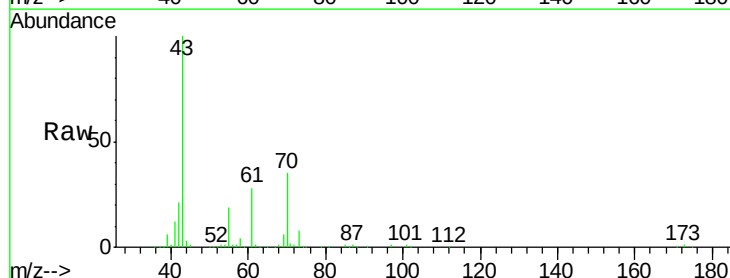
Ion Ratio Lower Upper

43 100

70 34.8 26.6 40.0

55 19.2 15.4 23.2

61 28.1 22.2 33.4

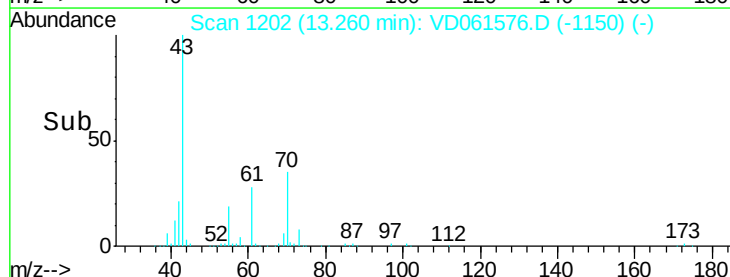
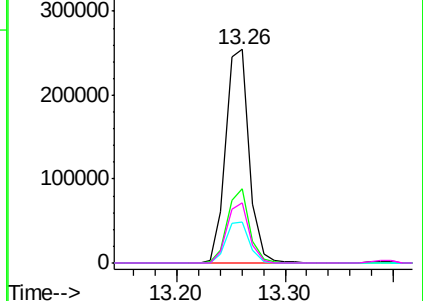


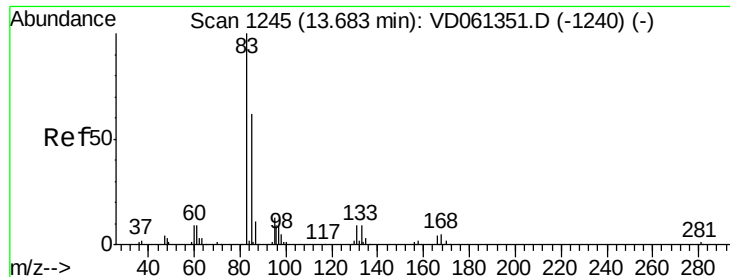
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.178 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 273148
Ion Ratio Lower Upper

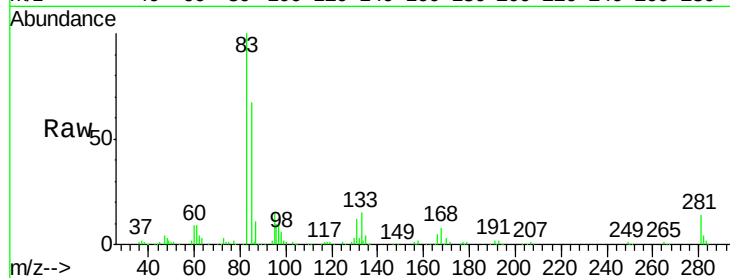
83 100

131 11.7 4.3 13.1

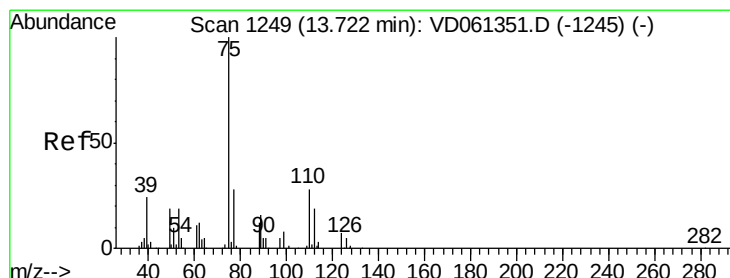
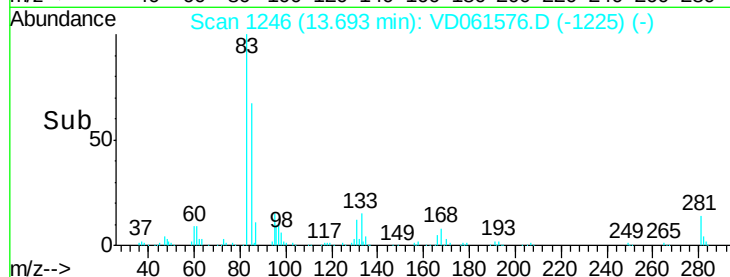
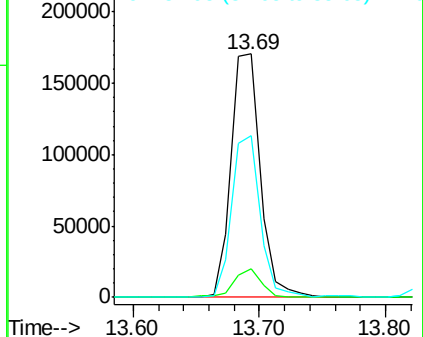
85 66.6 31.2 93.6

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.871 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

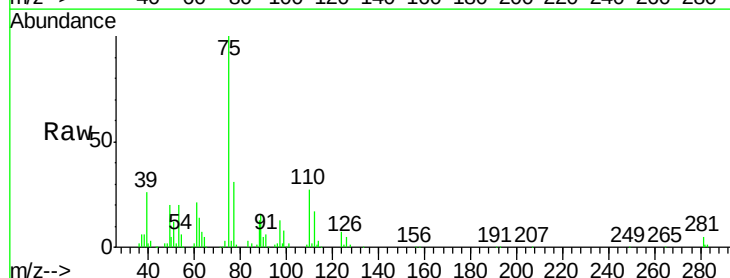
Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

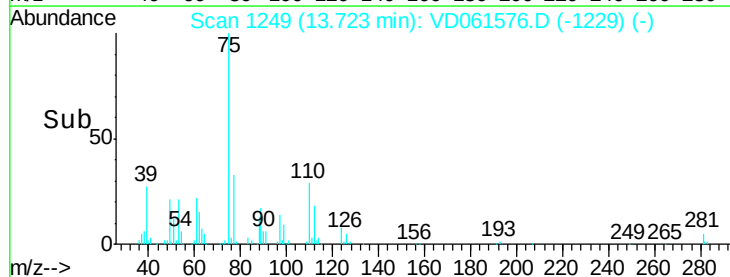
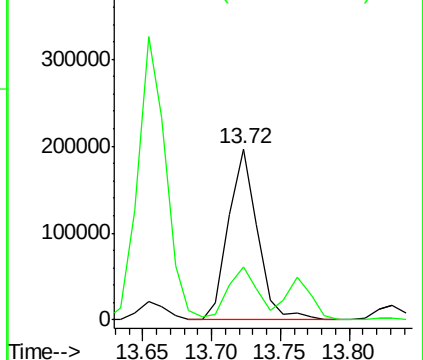
Tgt Ion: 75 Resp: 290235
Ion Ratio Lower Upper

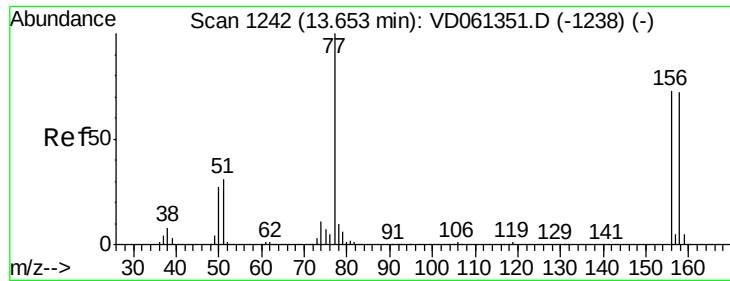
75 100

77 31.1 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 45.342 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

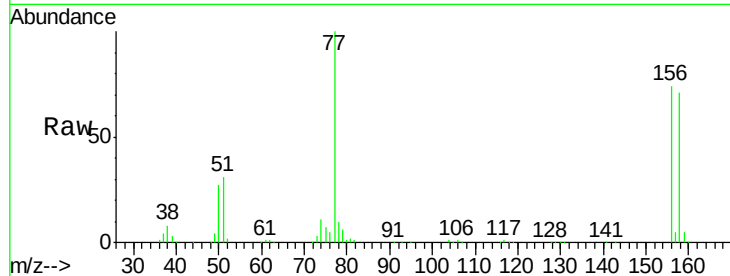
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		376912		
77	134.6	68.5	205.6		
158	95.8	49.1	147.3		

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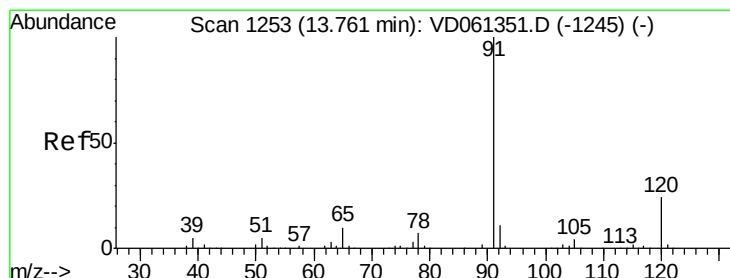
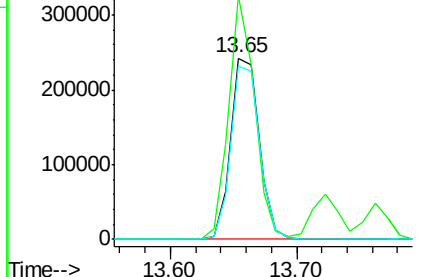
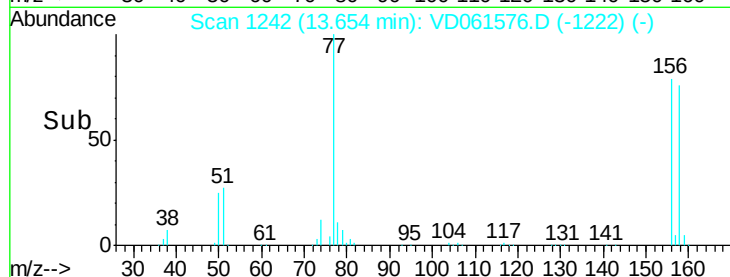
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.880 ug/l

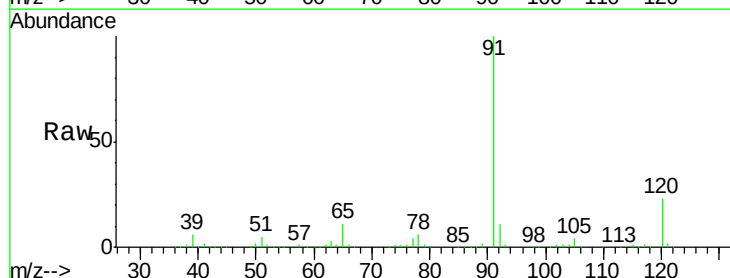
RT: 13.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD061576.D

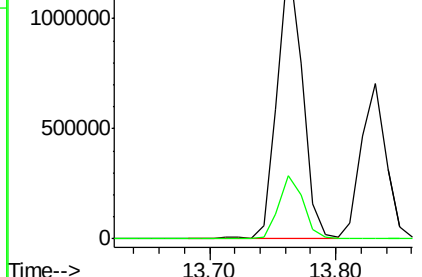
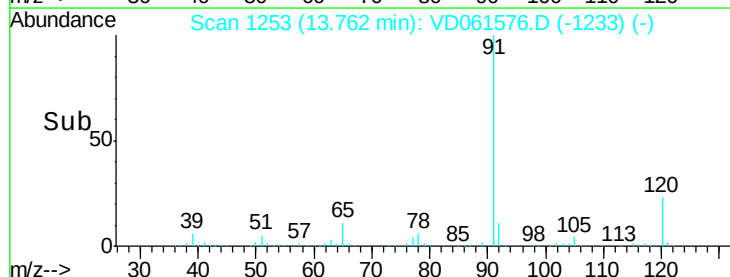
Acq: 4 Apr 2019 13:37

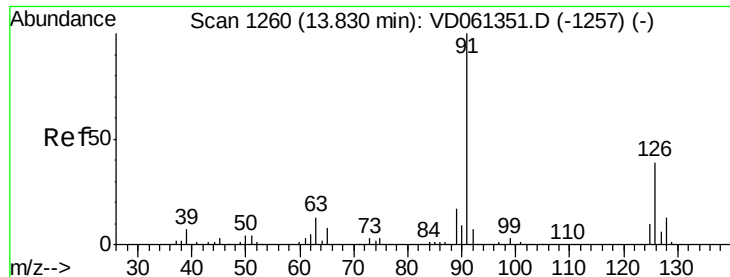
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1745921		
120	22.5	11.8	35.3		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.446 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 958538

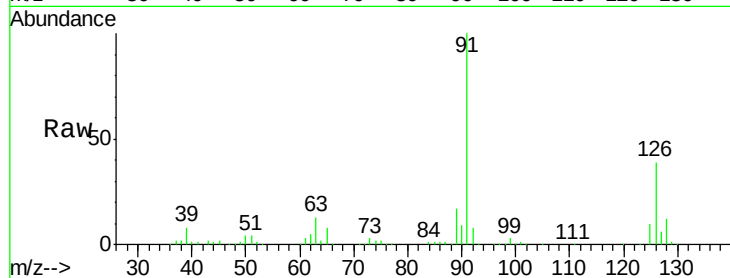
Ion Ratio Lower Upper

91 100

126 38.7 19.4 58.2

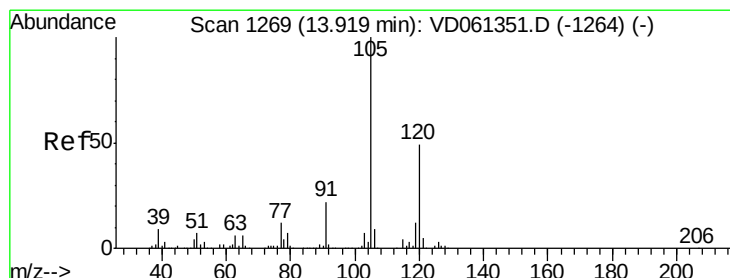
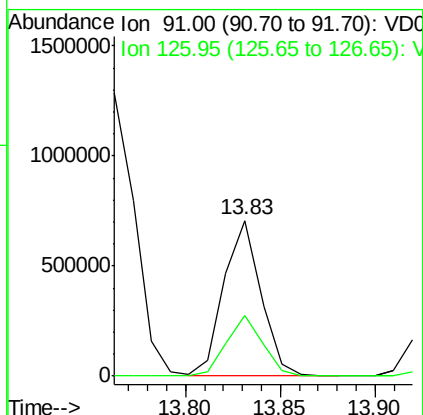
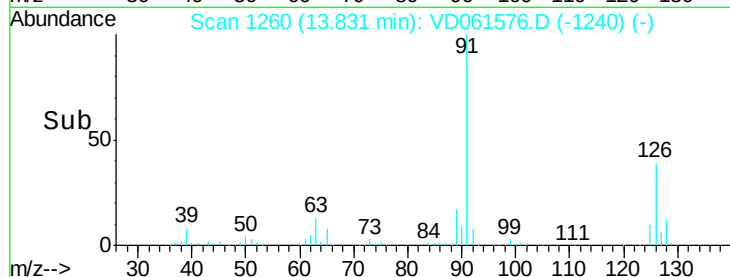
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Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 51.021 ug/l

RT: 13.92 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD061576.D

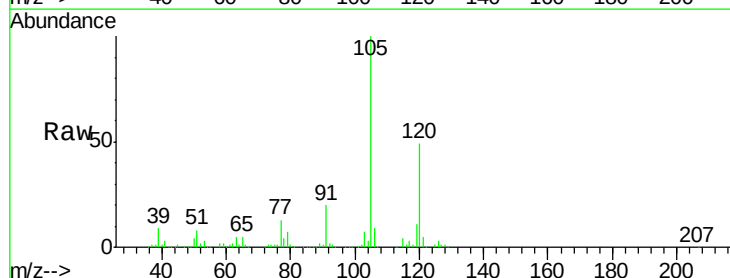
Acq: 4 Apr 2019 13:37

Tgt Ion: 105 Resp: 1110011

Ion Ratio Lower Upper

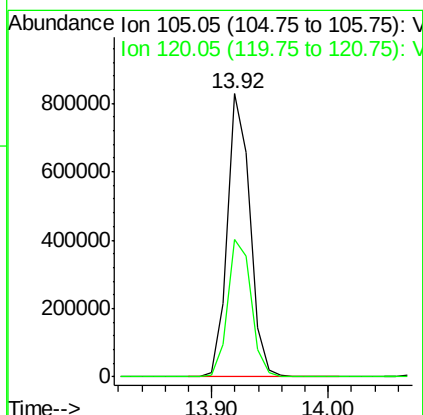
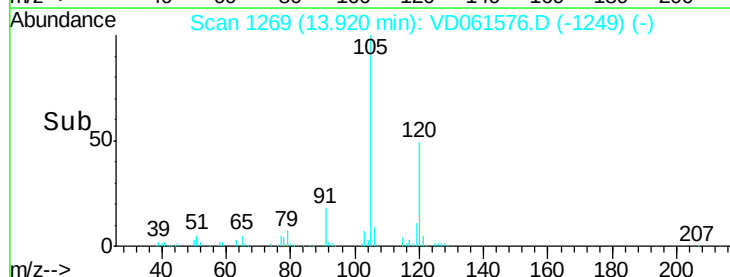
105 100

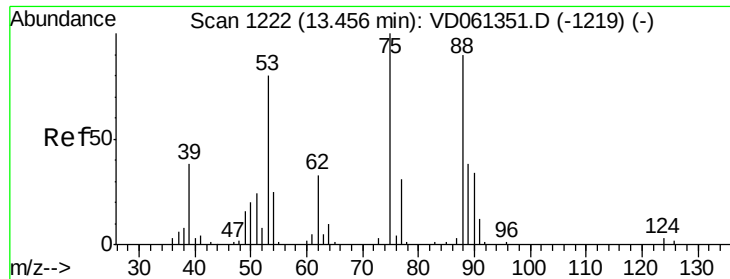
120 48.5 24.6 73.6



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

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





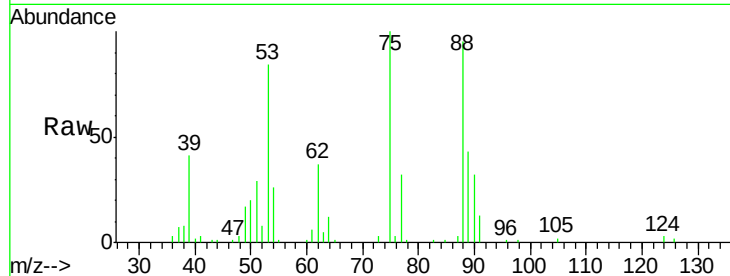
#81
trans-1,4-Dichloro-2-butene
Concen: 52.406 ug/l
RT: 13.46 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

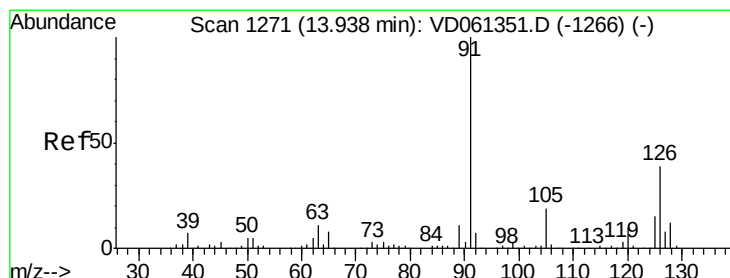
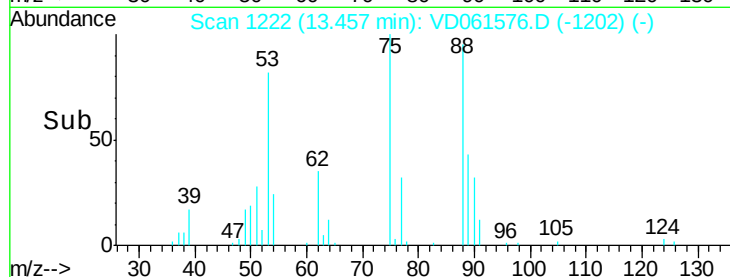
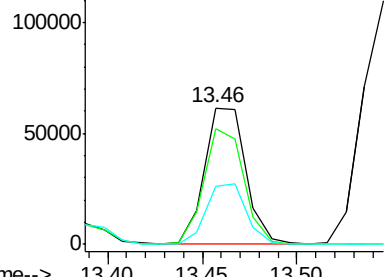
Tot Ion	Ratio	Lower	Upper
75	100		
53	84.4	63.8	95.8
89	42.8	30.5	45.7

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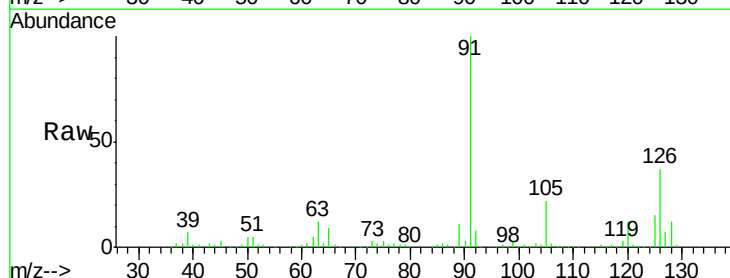


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

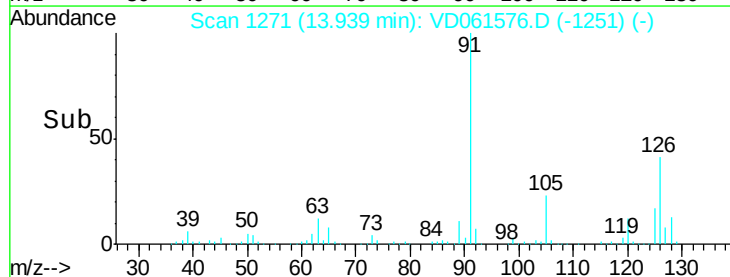
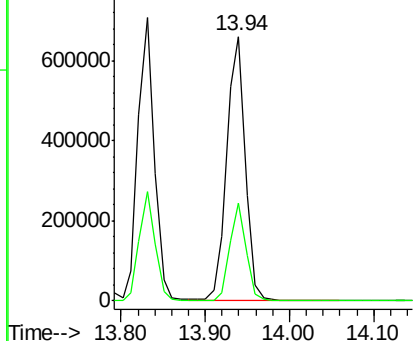


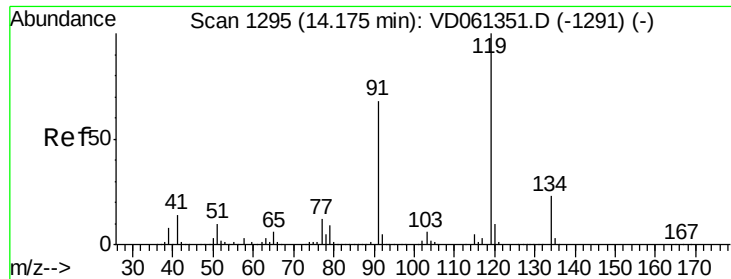
#82
4-Chlorotoluene
Concen: 49.539 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.1	19.6	58.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





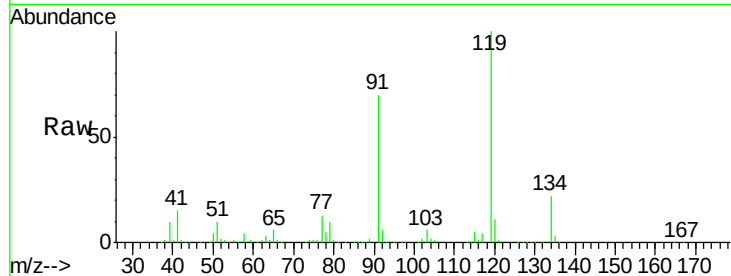
#83
tert-Butylbenzene
Concen: 42.129 ug/l
RT: 14.18 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

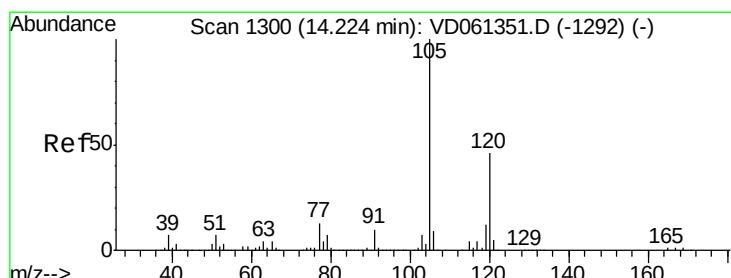
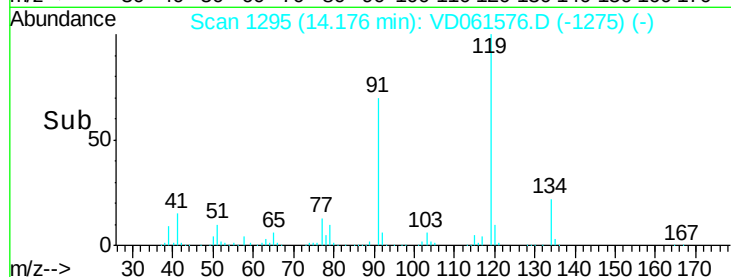
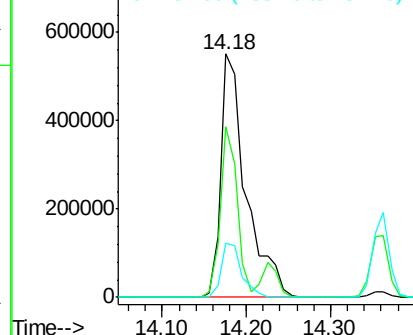
Tot Ion:119 Resp: 1145443
Ion Ratio Lower Upper
119 100
91 70.2 34.1 102.3
134 22.2 11.6 34.8

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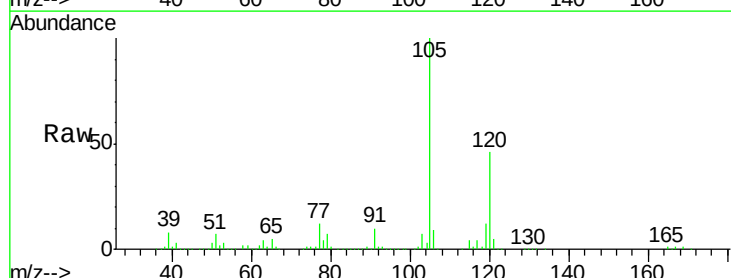


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

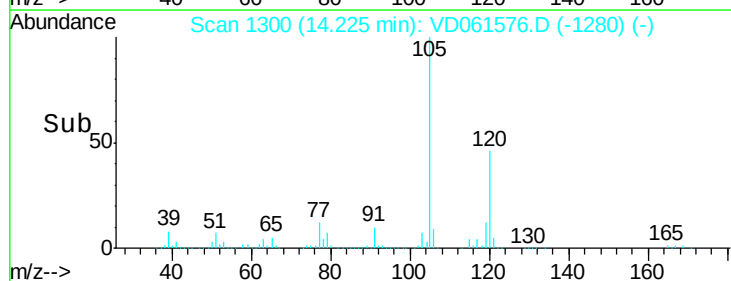
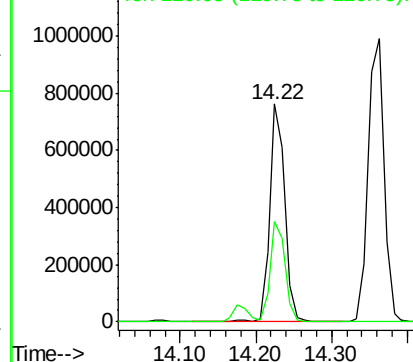


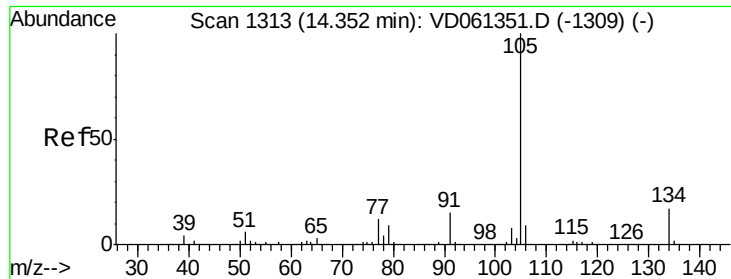
#84
1,2,4-Trimethylbenzene
Concen: 44.911 ug/l
RT: 14.22 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion:105 Resp: 1057805
Ion Ratio Lower Upper
105 100
120 46.0 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 48.973 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1414539

Ion Ratio Lower Upper

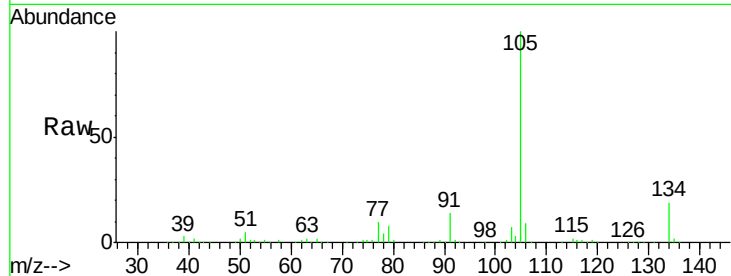
105 100

134 19.3 8.7 26.1

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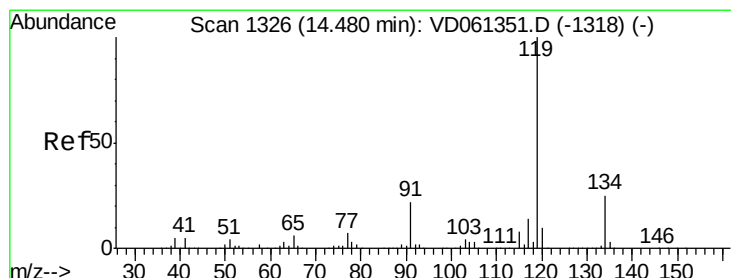
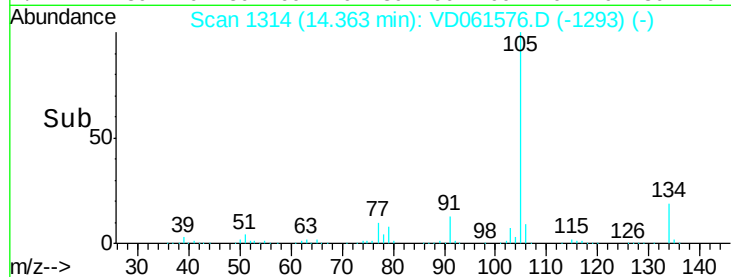
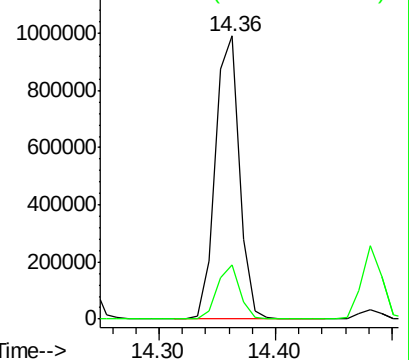
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.668 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

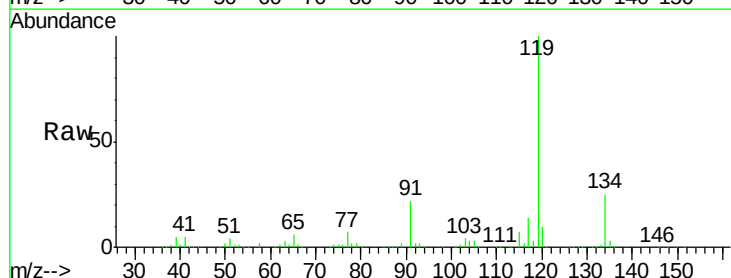
Tgt Ion:119 Resp: 1286364

Ion Ratio Lower Upper

119 100

134 24.8 12.3 36.8

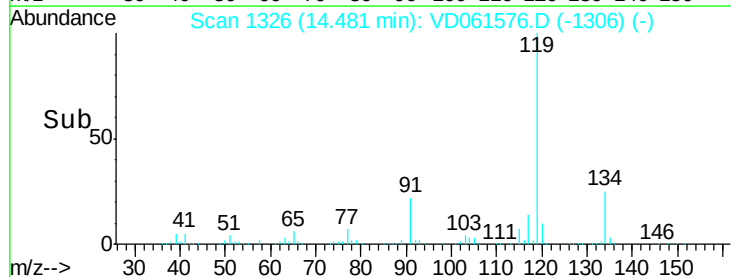
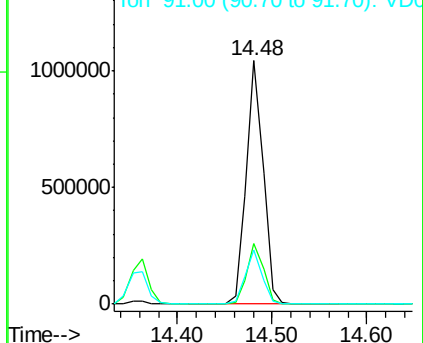
91 22.4 11.1 33.1

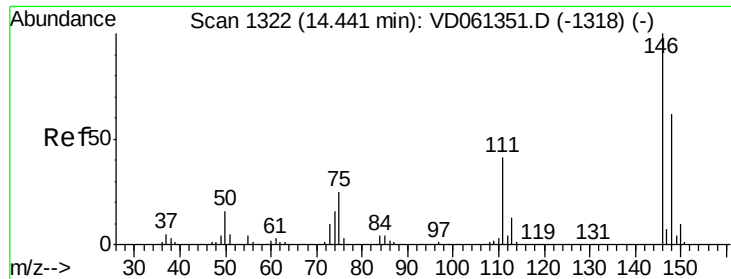


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





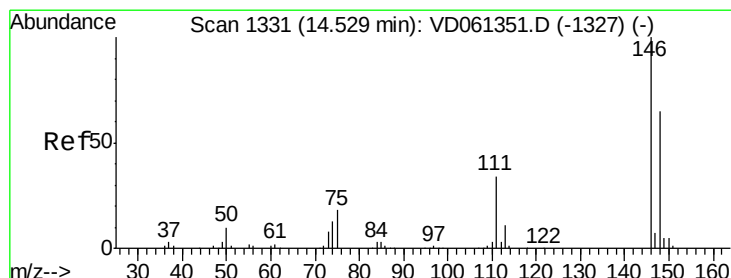
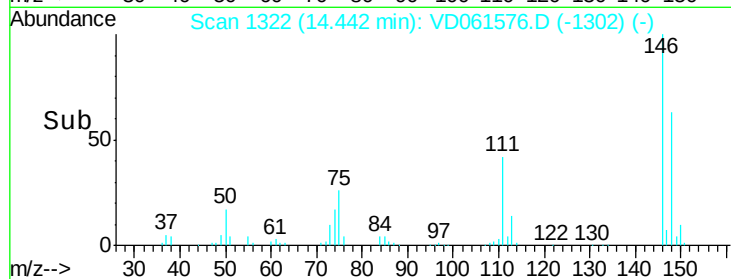
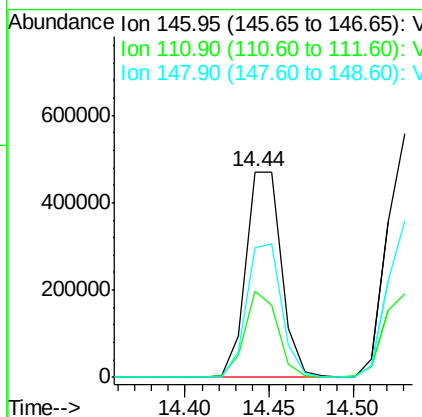
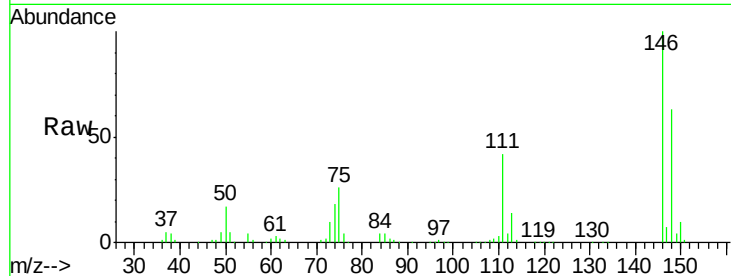
#87
 1,3-Dichlorobenzene
 Concen: 49.049 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.6	61.9
148	63.2	31.1	93.3

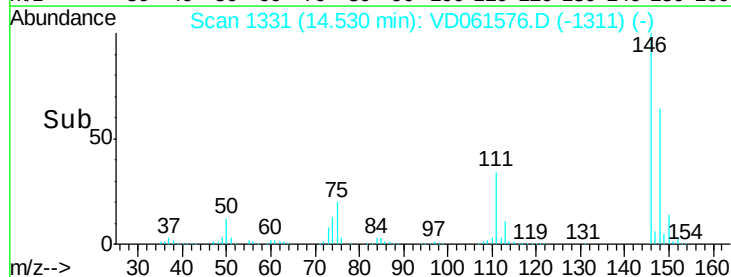
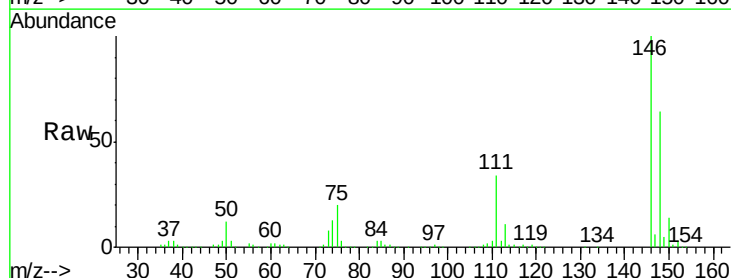
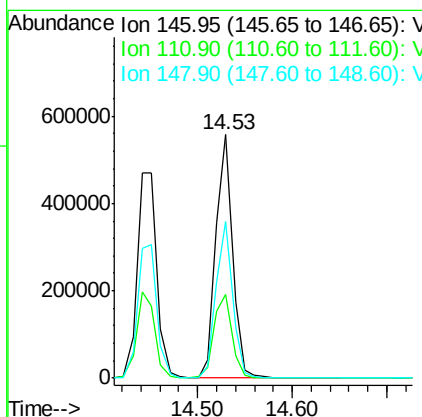
Manual Integrations
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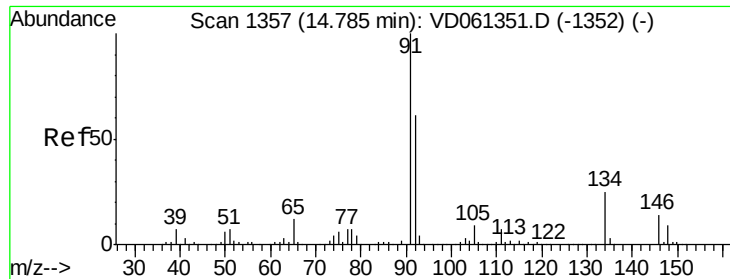
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#88
 1,4-Dichlorobenzene
 Concen: 50.033 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	16.8	50.4
148	64.4	32.6	98.0





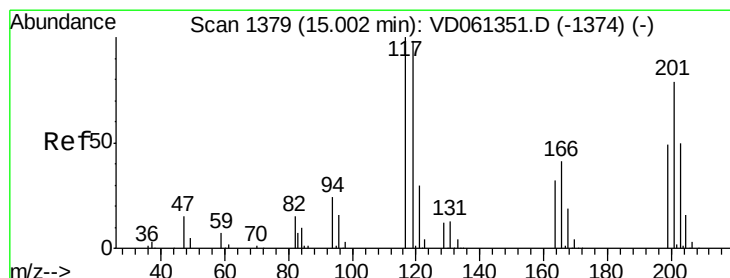
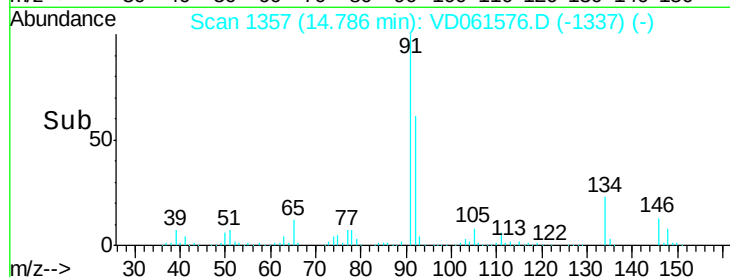
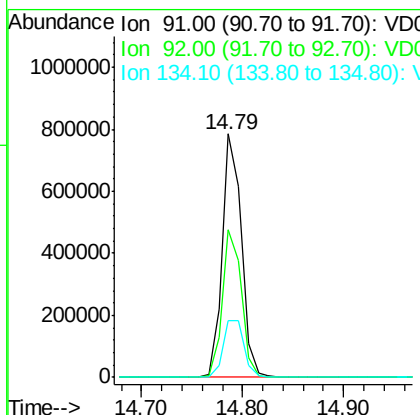
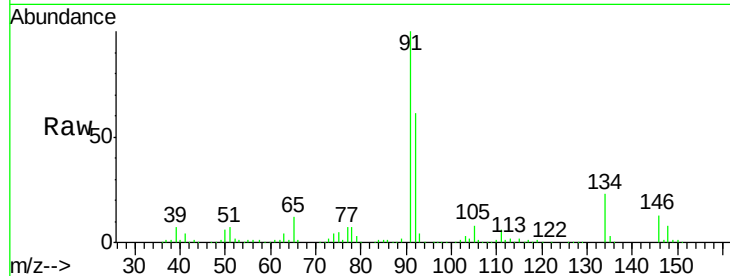
#89
n-Butylbenzene
Concen: 46.672 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1046273
Ion Ratio Lower Upper
91 100
92 60.7 30.3 91.0
134 23.2 12.4 37.0

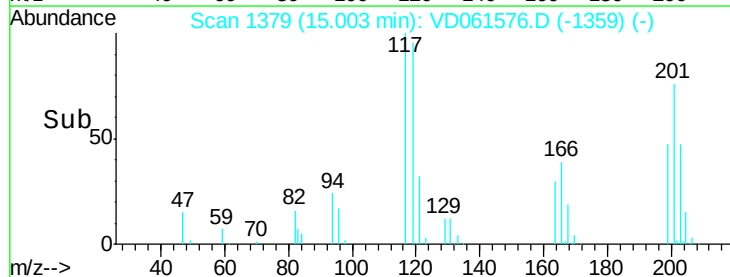
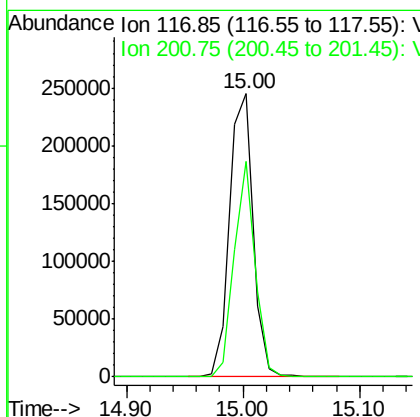
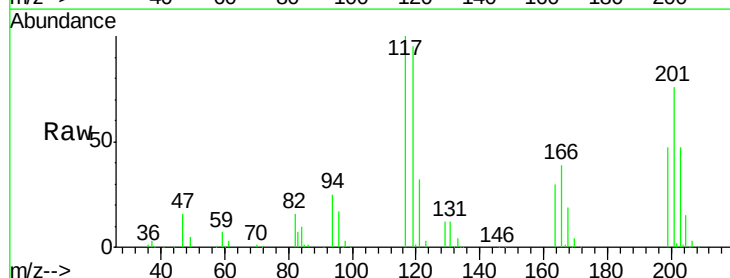
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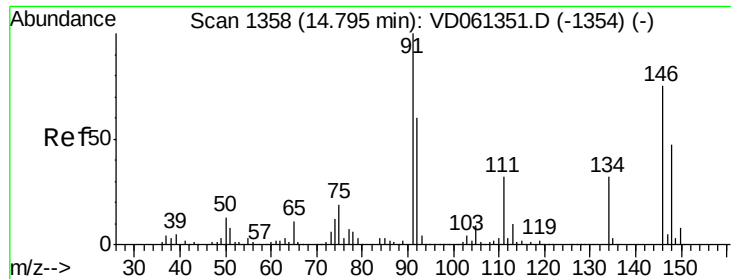
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#90
Hexachloroethane
Concen: 49.742 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 117 Resp: 343225
Ion Ratio Lower Upper
117 100
201 76.0 39.6 119.0





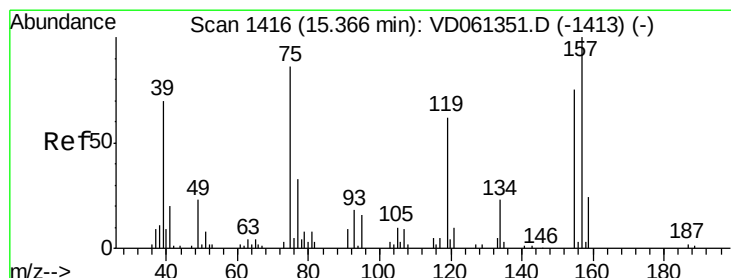
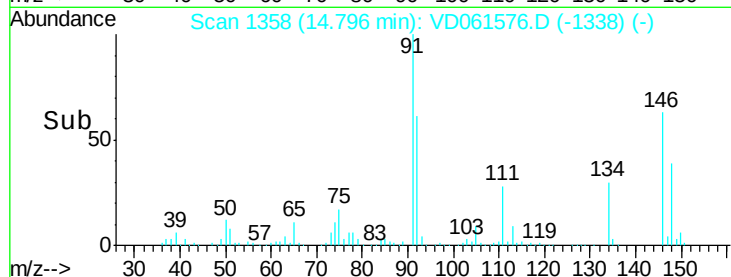
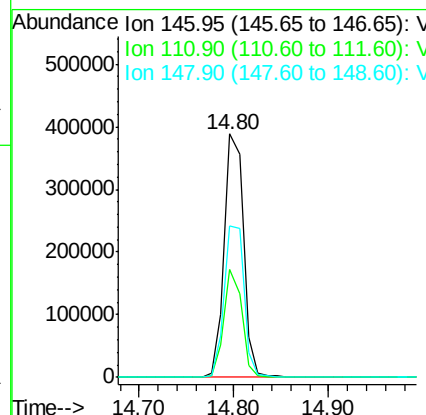
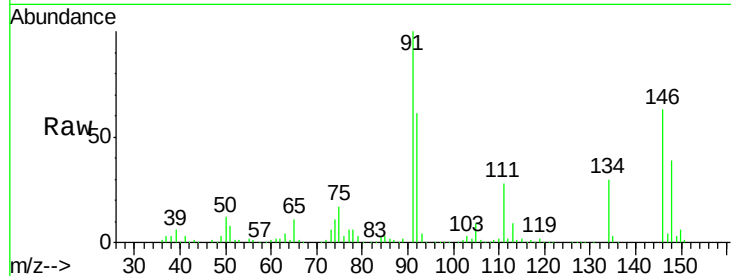
#91
 1,2-Dichlorobenzene
 Concen: 47.864 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.2	63.6
148	62.2	31.6	95.0

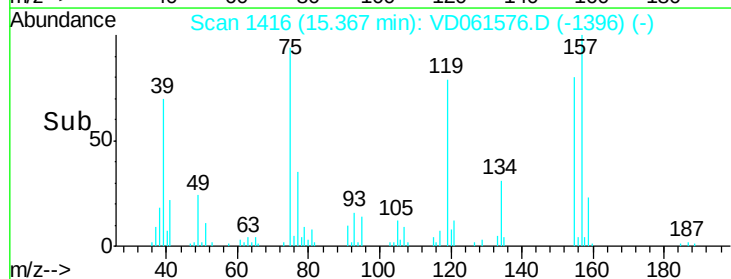
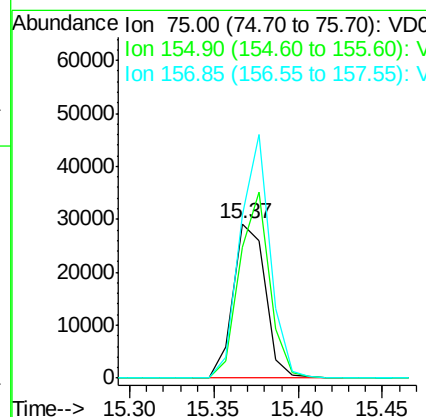
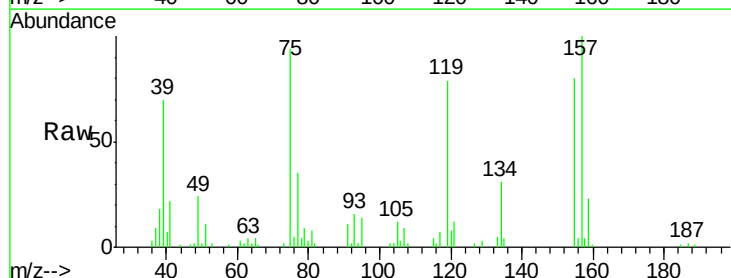
Manual Integrations
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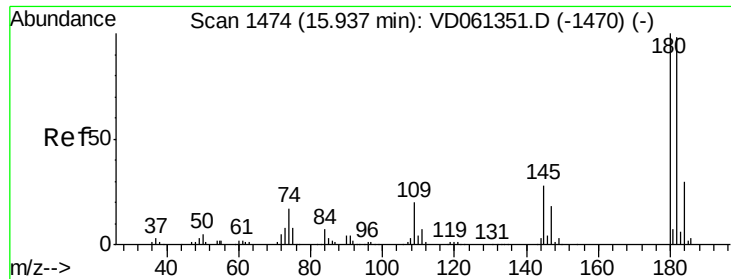
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.463 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	43.6	130.9
157	106.2	58.5	175.3





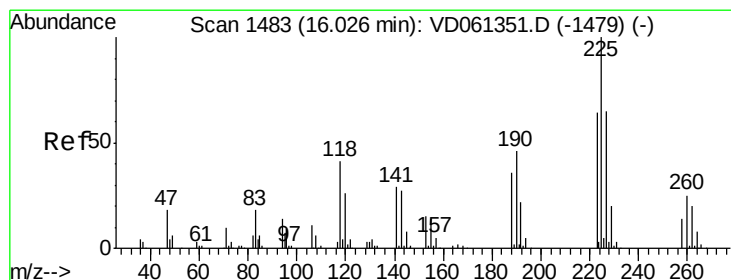
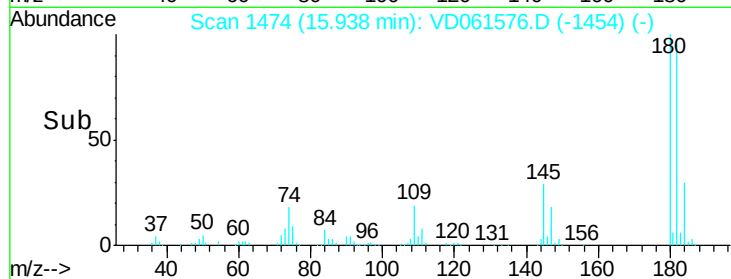
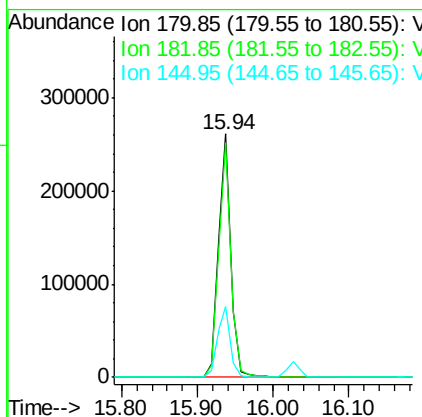
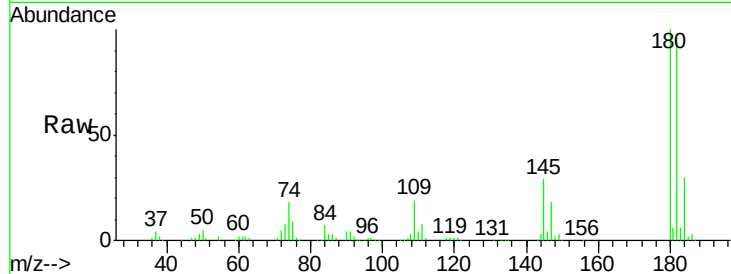
#93
 1,2,4-Trichlorobenzene
 Concen: 58.495 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	307670		
182	96.2	48.9	146.8	
145	28.9	14.1	42.3	

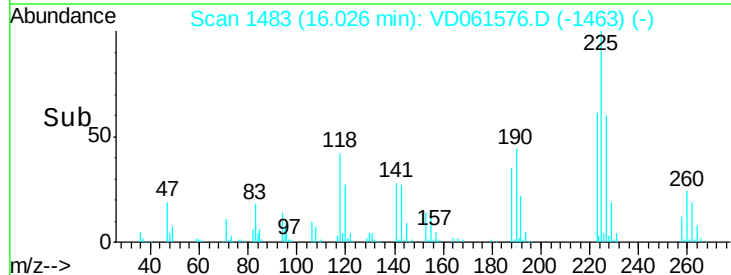
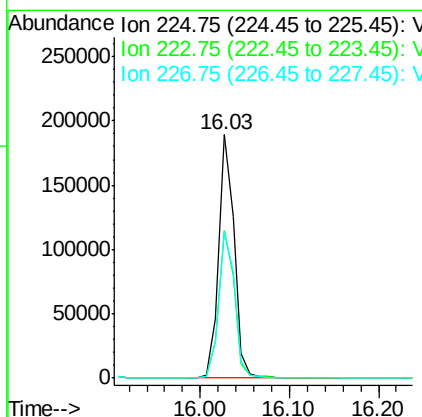
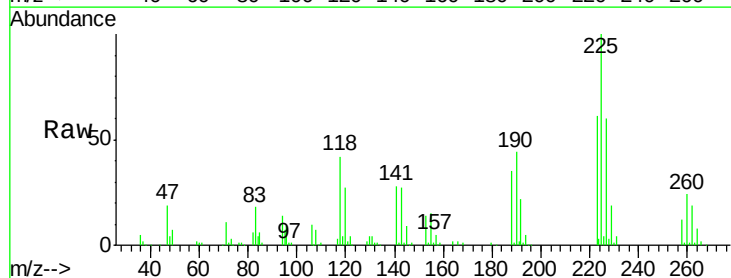
Manual Integrations
 APPROVED

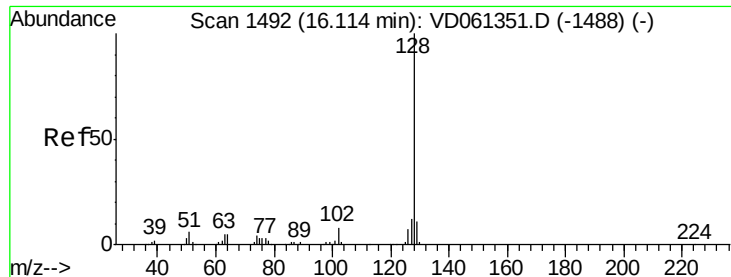
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 56.199 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	230986		
223	60.6	32.0	96.0	
227	59.9	32.4	97.2	





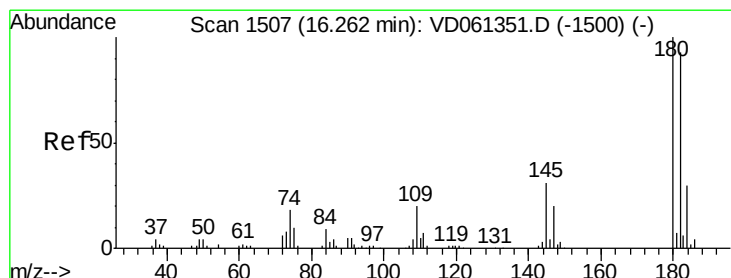
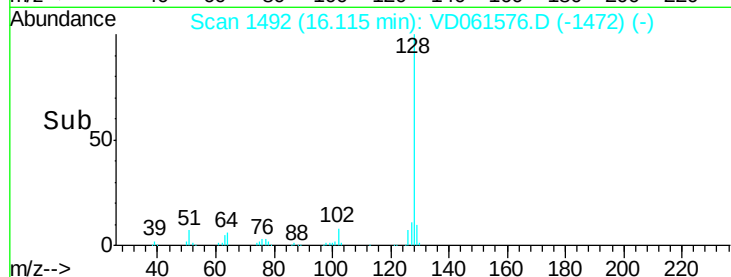
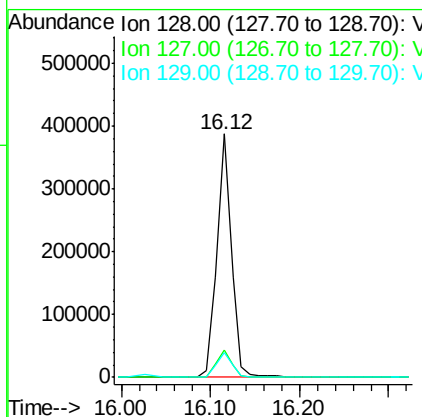
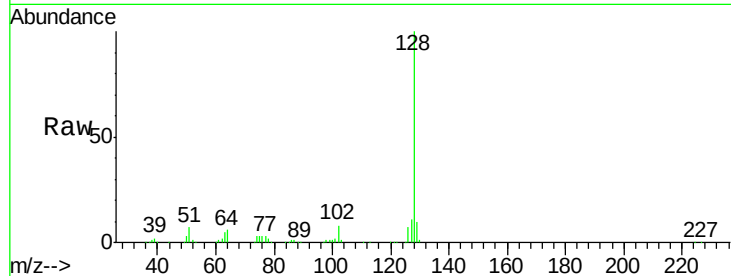
#95
Naphthalene
Concen: 55.430 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	444396		
127	11.4		9.9	14.9
129	10.4		8.9	13.3

Manual Integrations
APPROVED

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4/5/2019 2:37:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 57.814 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	133813		
182	95.2		46.4	139.1
145	30.8		15.3	45.9

