

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061728.D
 Acq On : 10 Apr 2019 23:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:45:48 AM

Quant Time: Apr 11 09:11:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	604754	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	985352	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	783461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	349756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	215874	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	6.92	113	333570	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.41	98	735166	42.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.74%	
62) 4-Bromofluorobenzene	13.56	95	301536	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	319243	48.931	ug/l	97
3) Chloromethane	1.76	50	238223	45.184	ug/l	95
4) Vinyl Chloride	1.85	62	241599	49.040	ug/l	99
5) Bromomethane	2.16	94	56670	49.697	ug/l	99
6) Chloroethane	2.27	64	87331	56.596	ug/l	99
7) Trichlorofluoromethane	2.53	101	373549	50.218	ug/l	97
8) Diethyl Ether	2.88	74	116106	55.617	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	358359	49.002	ug/l	98
10) Methyl Iodide	3.31	142	562292	51.445	ug/l	97
11) Tert butyl alcohol	4.06	59	83516	271.849	ug/l	100
12) 1,1-Dichloroethene	3.13	96	314146	49.829	ug/l	97
13) Acrolein	3.04	56	115857	309.315	ug/l	92
14) Allyl chloride	3.63	41	422902	49.182	ug/l	96
15) Acrylonitrile	4.20	53	274972	260.012	ug/l	97
16) Acetone	3.22	43	283664	207.007	ug/l	100
17) Carbon Disulfide	3.38	76	948337	46.294	ug/l	100
18) Methyl Acetate	3.65	43	140021	54.311	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	588588	53.919	ug/l	98
20) Methylene Chloride	3.81	84	362743	46.650	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	336852	49.195	ug/l	99
22) Diisopropyl ether	5.12	45	904864	50.191	ug/l	96
23) Vinyl Acetate	5.05	43	2541880	255.526	ug/l	99
24) 1,1-Dichloroethane	4.99	63	571322	51.715	ug/l	99
25) 2-Butanone	6.08	43	385036	243.734	ug/l	99
26) 2,2-Dichloropropane	6.03	77	431131	47.927	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	373102	51.076	ug/l	98
28) Bromochloromethane	6.44	49	227562	55.839	ug/l	98
29) Tetrahydrofuran	6.45	42	194797	255.440	ug/l	99
30) Chloroform	6.67	83	579504	50.073	ug/l	99
31) Cyclohexane	6.95	56	398680	46.194	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	491607	48.473	ug/l	98
36) 1,1-Dichloropropene	7.15	75	445062	51.609	ug/l	99
37) Ethyl Acetate	6.19	43	197039	56.096	ug/l	98
38) Carbon Tetrachloride	7.12	117	554615m	54.875	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	410237	46.336	ug/l	97
40) Benzene	7.46	78	1031049	49.559	ug/l	100
41) Methacrylonitrile	6.45	41	220397	53.750	ug/l	95
42) 1,2-Dichloroethane	7.58	62	358493	54.792	ug/l	99
43) Isopropyl Acetate	9.24	43	262257	51.446	ug/l #	99
44) Trichloroethene	8.54	130	402534	50.470	ug/l	97
45) 1,2-Dichloropropane	8.94	63	281950	54.648	ug/l	97
46) Dibromomethane	9.06	93	207197	56.191	ug/l	96
47) Bromodichloromethane	9.38	83	481153	59.412	ug/l	99
48) Methyl methacrylate	9.12	41	162622	55.342	ug/l	95
49) 1,4-Dioxane	9.08	88	38268	1179.842	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	890038	295.226	ug/l	97
52) Toluene	10.52	92	668093	51.427	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	403915	56.897	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	486947	55.644	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	224266	51.185	ug/l	99
56) Ethyl methacrylate	11.04	69	259436	56.128	ug/l	97
57) 1,3-Dichloropropane	11.41	76	367082	57.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	586319	268.834	ug/l	98
59) 2-Hexanone	11.53	43	618062	264.163	ug/l	97
60) Dibromochloromethane	11.69	129	389918	56.327	ug/l	99
61) 1,2-Dibromoethane	11.81	107	288610	56.324	ug/l	93
64) Tetrachloroethene	11.26	164	325154	53.466	ug/l	98
65) Chlorobenzene	12.40	112	833593	53.652	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	330602	55.297	ug/l	96
67) Ethyl Benzene	12.53	91	1260460	53.275	ug/l	99
68) m/p-Xylenes	12.67	106	914135	100.220	ug/l	97
69) o-Xylene	13.05	106	492455	55.930	ug/l	98
70) Styrene	13.08	104	844112	56.137	ug/l	99
71) Bromoform	13.23	173	214949	57.945	ug/l	95
73) Isopropylbenzene	13.40	105	1201013	51.536	ug/l	98
74) N-amyl acetate	13.26	43	349155	55.142	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	274562	56.979	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	279259	58.687	ug/l	97
77) Bromobenzene	13.67	156	369355	54.602	ug/l	95
78) n-propylbenzene	13.78	91	1531408	54.934	ug/l	98
79) 2-Chlorotoluene	13.85	91	764588	47.962	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	927951	50.167	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	83114	57.560	ug/l #	88
82) 4-Chlorotoluene	13.94	91	890546	50.980	ug/l	89
83) tert-Butylbenzene	14.19	119	1217881	54.608	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1000051	53.569	ug/l	97
85) sec-Butylbenzene	14.37	105	1227831	50.956	ug/l	98
86) p-Isopropyltoluene	14.49	119	1108849	53.047	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	645109	55.414	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	600009	51.080	ug/l	96
89) n-Butylbenzene	14.80	91	1055373	58.087	ug/l	98
90) Hexachloroethane	15.01	117	306468	54.034	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	557945	58.151	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	35311	60.726	ug/l	81

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ClientSampleId :
VSTDCCC050

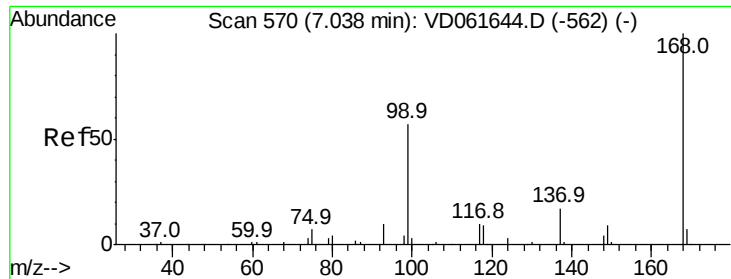
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	294078	60.160	ug/l	96
94) Hexachlorobutadiene	16.04	225	210634	55.804	ug/l	97
95) Naphthalene	16.13	128	472807	61.128	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	142102	58.247	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.01 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 604754

Ion Ratio Lower Upper

168 100

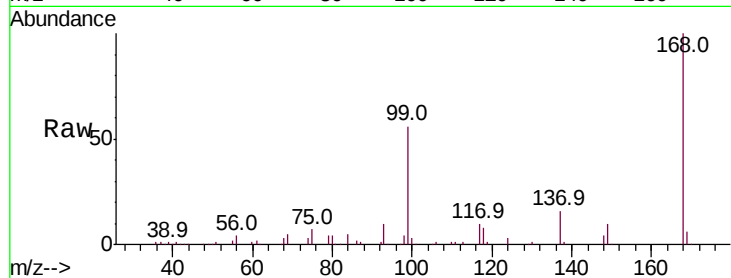
99 55.6 46.8 70.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

200000

150000

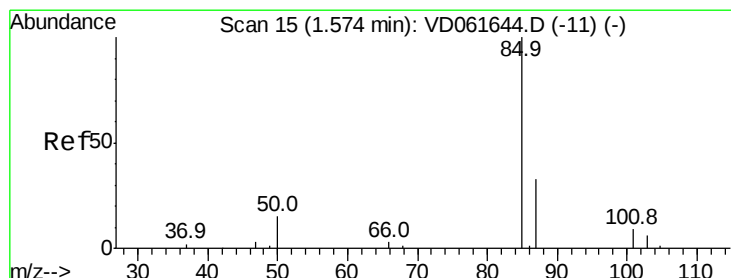
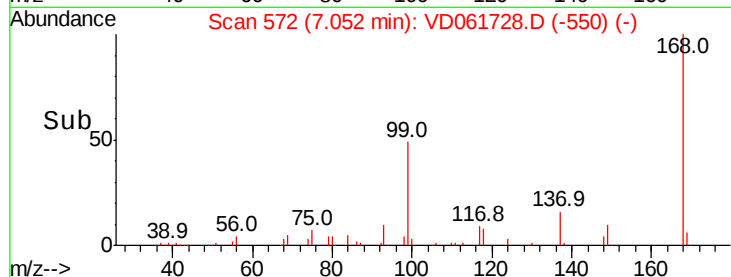
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.931 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061728.D

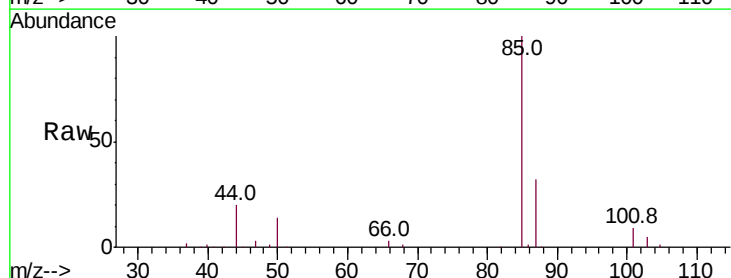
Acq: 10 Apr 2019 23:39

Tgt Ion: 85 Resp: 319243

Ion Ratio Lower Upper

85 100

87 31.6 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

150000

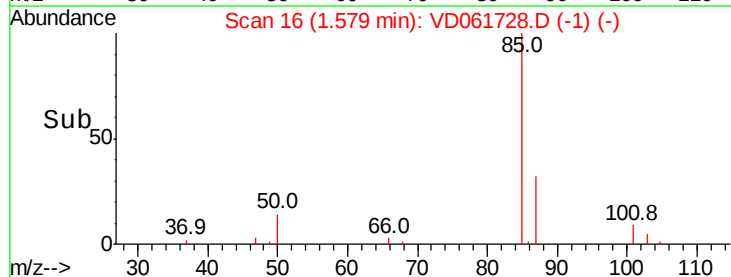
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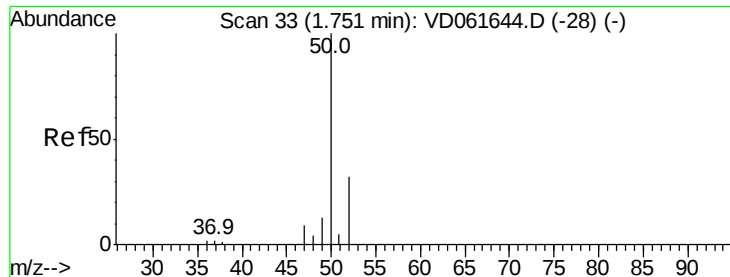
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 45.184 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 238223

Ion Ratio Lower Upper

50 100

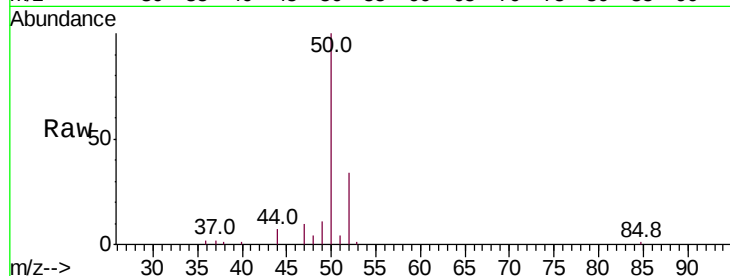
52 34.1 25.1 37.7

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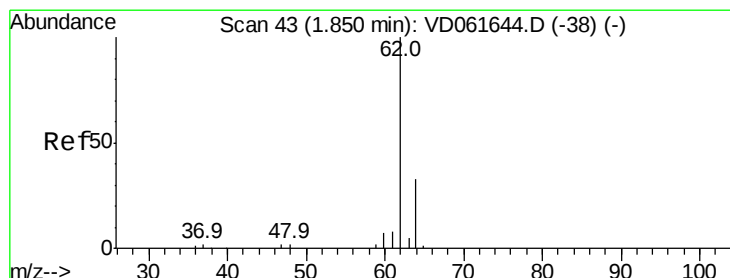
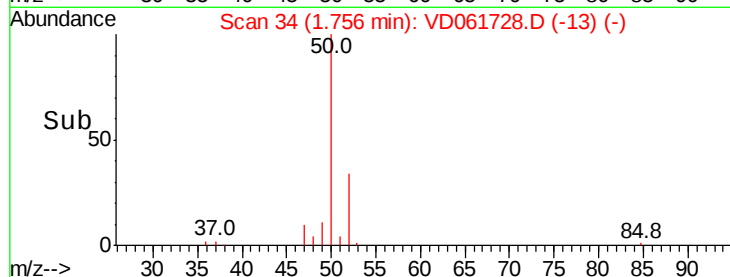
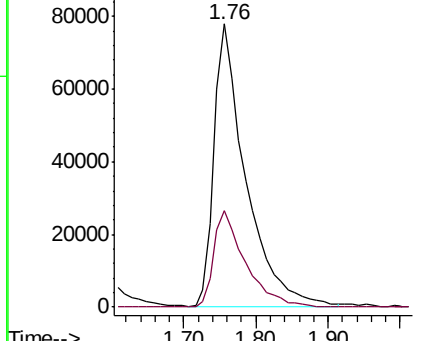
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.040 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061728.D

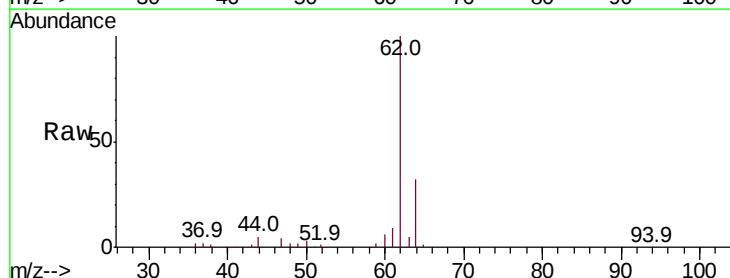
Acq: 10 Apr 2019 23:39

Tgt Ion: 62 Resp: 241599

Ion Ratio Lower Upper

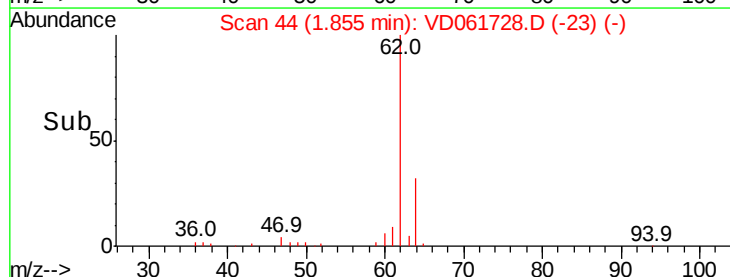
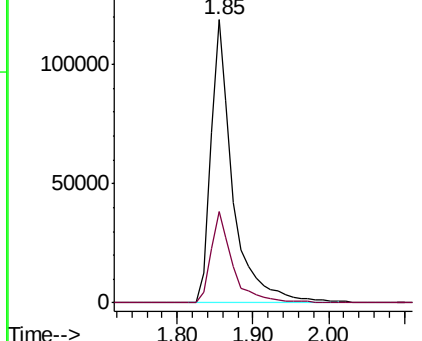
62 100

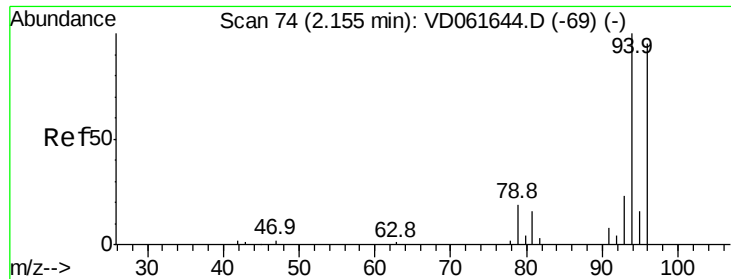
64 32.2 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





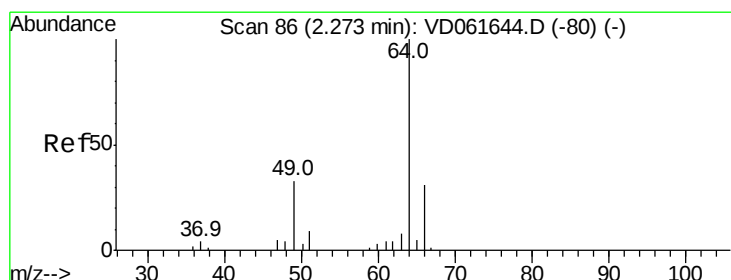
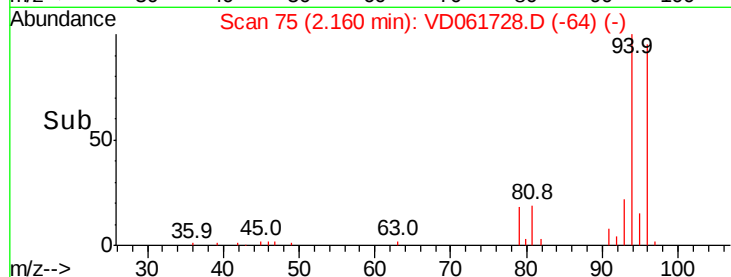
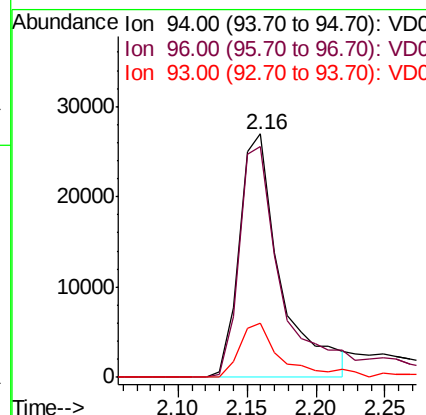
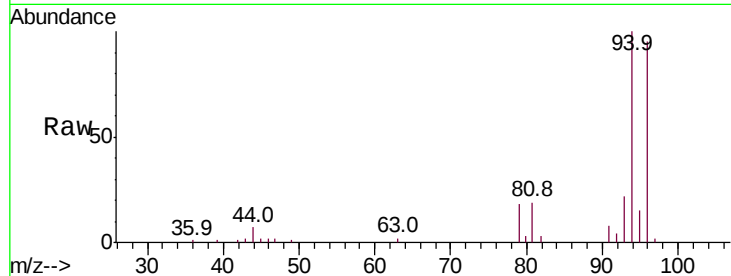
#5
Bromomethane
Concen: 49.697 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

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Tot Ion	Ratio	Lower	Upper
94	100		
96	94.6	75.8	113.8
93	22.2	18.6	28.0

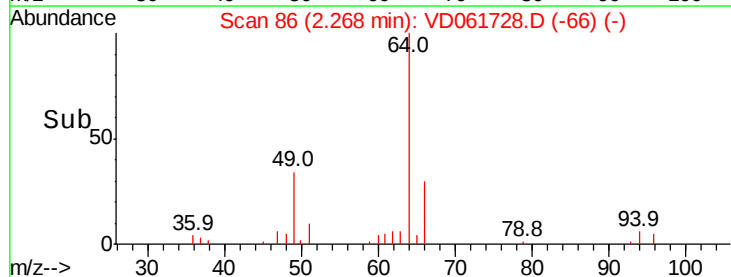
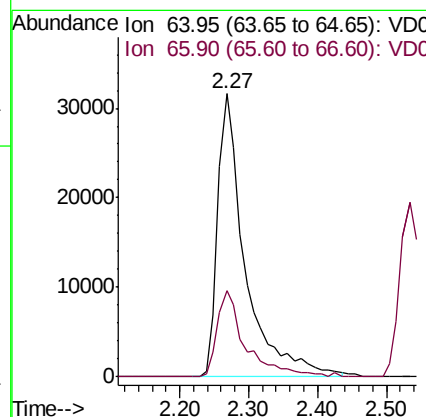
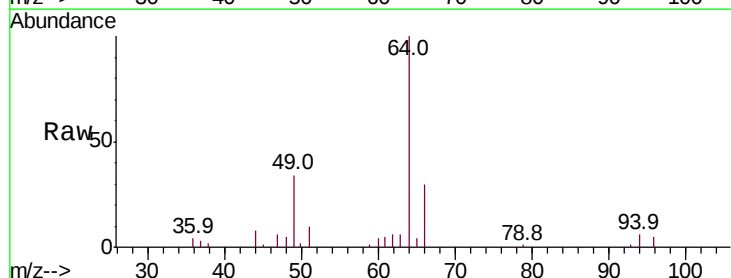
Manual Integrations
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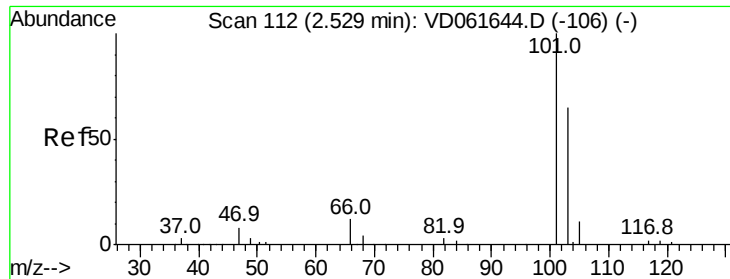
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4/11/2019 11:45:48 AM



#6
Chloroethane
Concen: 56.596 ug/l
RT: 2.27 min Scan# 86
Delta R.T. -0.01 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
64	100		
66	30.3	24.9	37.3





#7

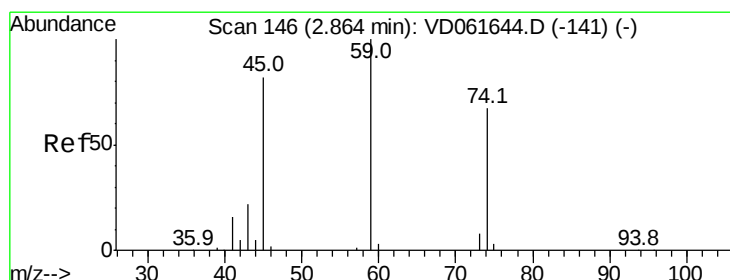
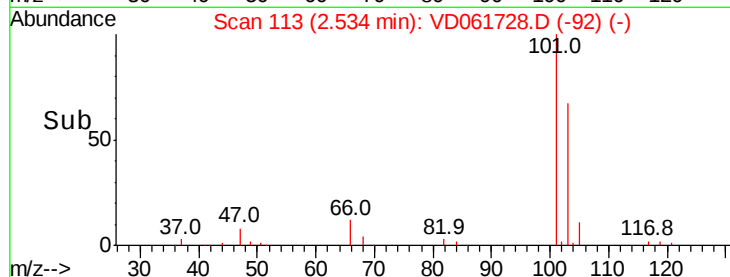
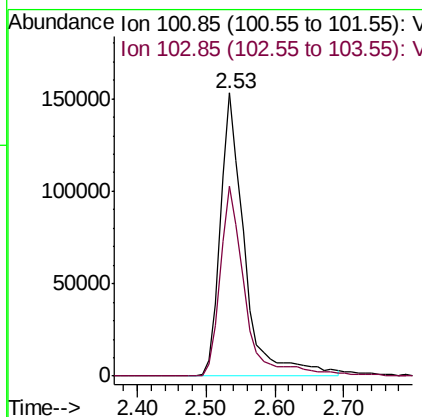
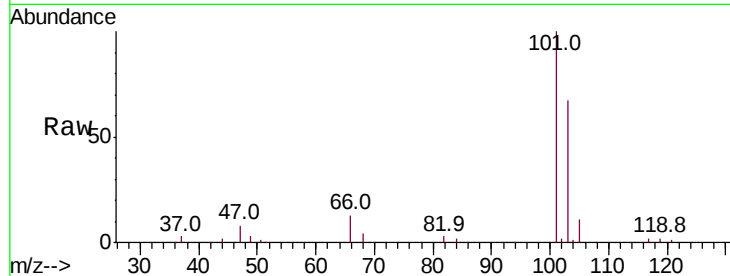
Trichlorofluoromethane
 Concen: 50.218 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.00 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	52.0	78.0

Manual Integrations
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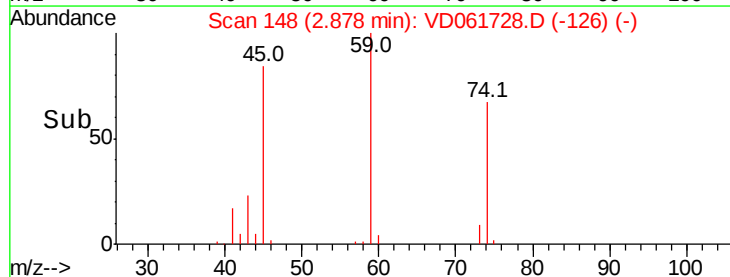
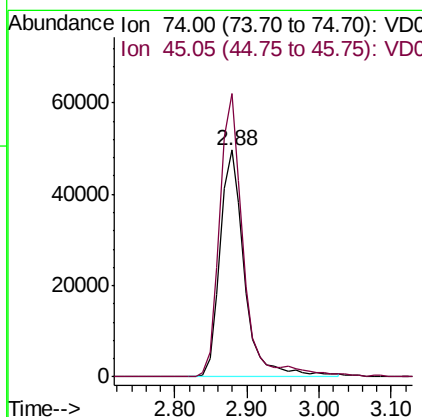
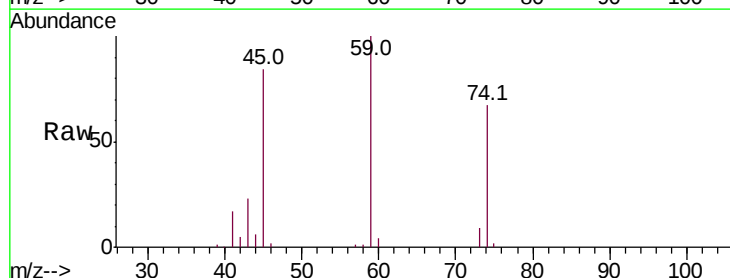
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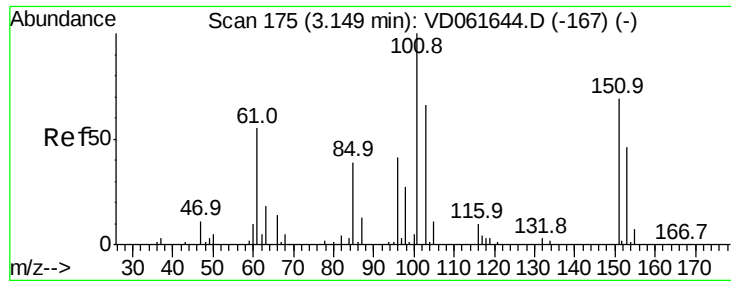


#8

Diethyl Ether
 Concen: 55.617 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.01 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	124.9	61.0	183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.002 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061728.D

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Instrument :

MSVOA_D

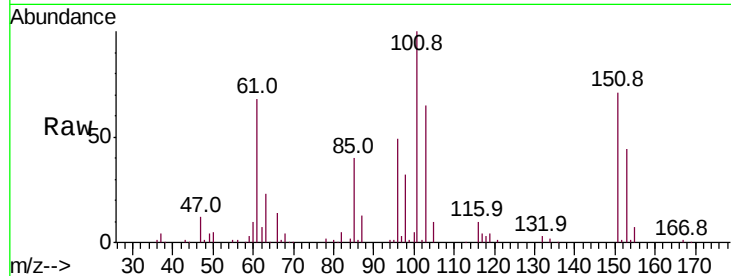
ClientSampleId :

VSTDCCC050

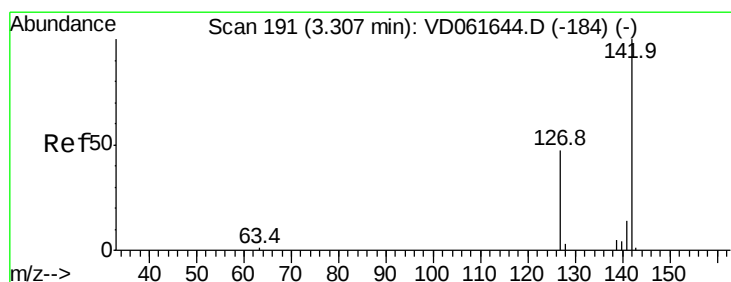
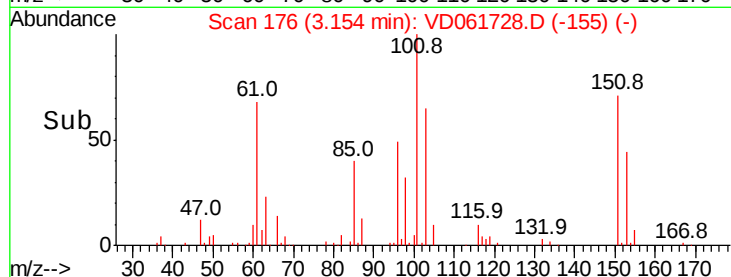
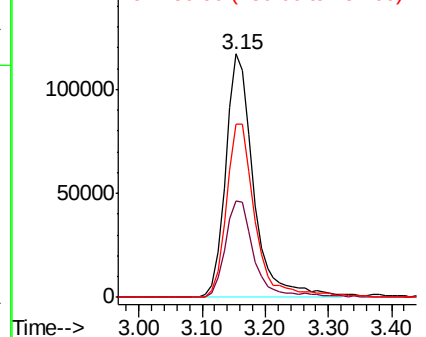
Tot Ion:	101	Resp:	358359
Ion Ratio	Lower	Upper	
101	100		
85	39.6	31.0	46.6
151	71.4	55.3	82.9

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



#10

Methyl Iodide

Concen: 51.445 ug/l

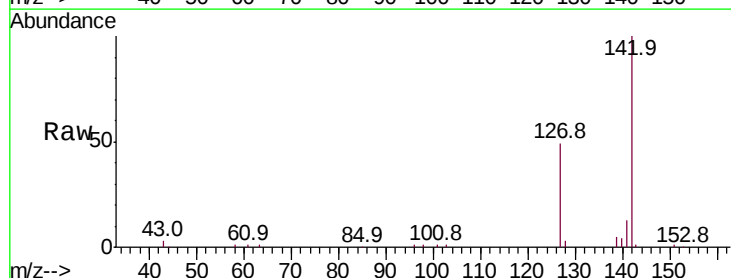
RT: 3.31 min Scan# 192

Delta R.T. 0.01 min

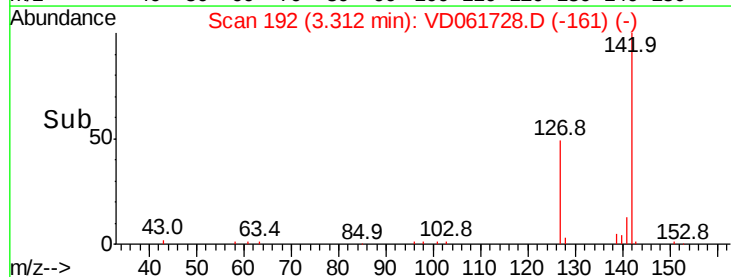
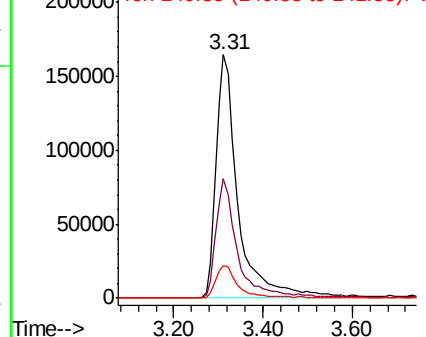
Lab File: VD061728.D

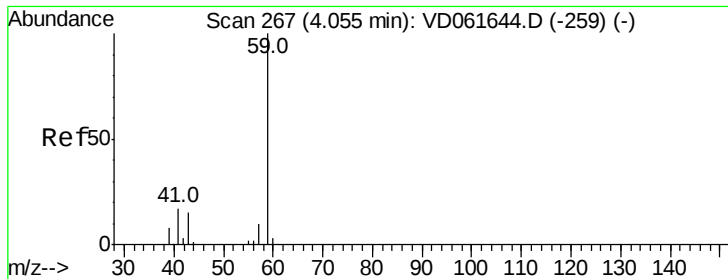
Acq: 10 Apr 2019 23:39

Tgt Ion:	142	Resp:	562292
Ion Ratio	Lower	Upper	
142	100		
127	49.2	37.2	55.8
141	13.2	10.8	16.2



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





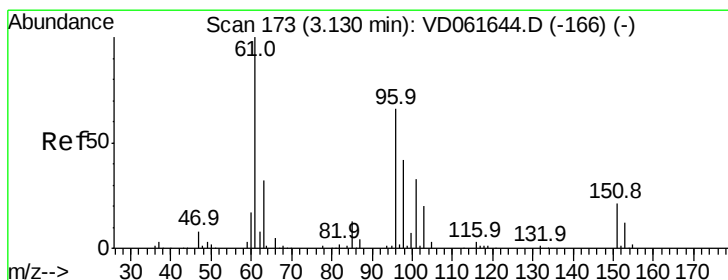
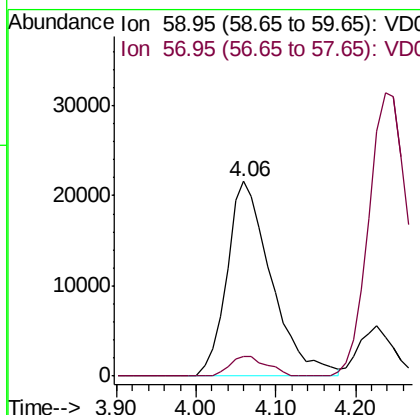
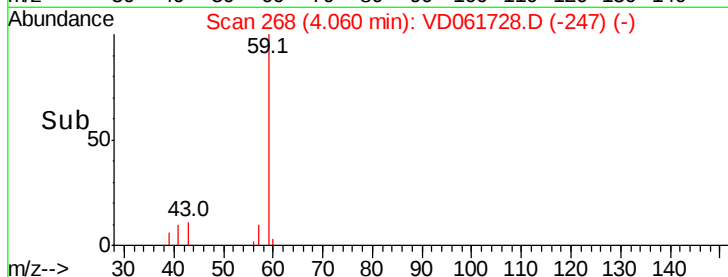
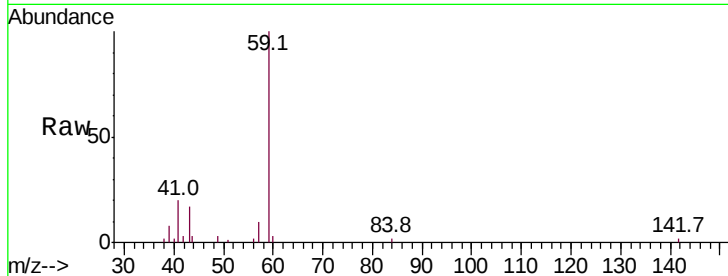
#11
Tert butyl alcohol
Concen: 271.849 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 83516
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6

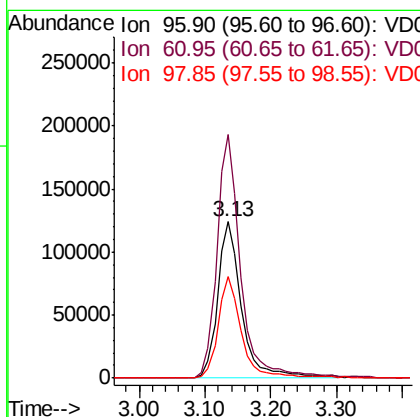
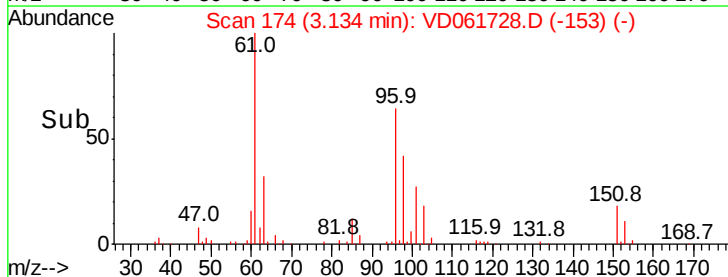
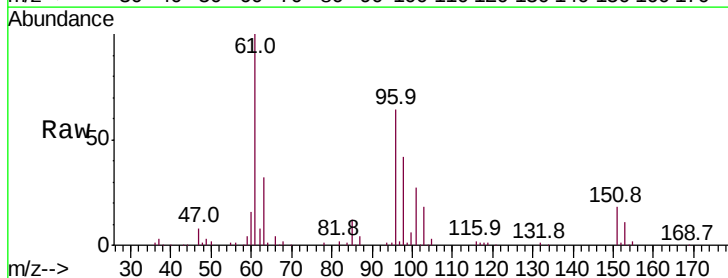
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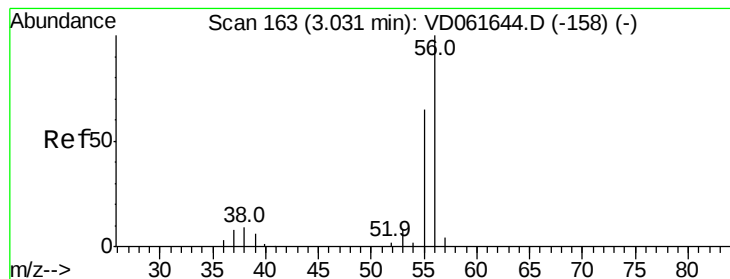
MMDadoda
4/11/2019 11:45:48 AM



#12
1,1-Dichloroethene
Concen: 49.829 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion: 96 Resp: 314146
Ion Ratio Lower Upper
96 100
61 155.6 121.3 181.9
98 64.7 50.6 76.0





#13

Acrolein

Concen: 309.315 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 115857

Ion Ratio Lower Upper

56 100

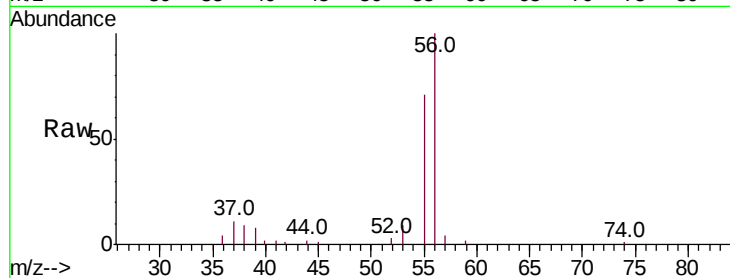
55 71.3 51.8 77.6

Manual Integrations

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4/11/2019 11:45:48 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

40000

30000

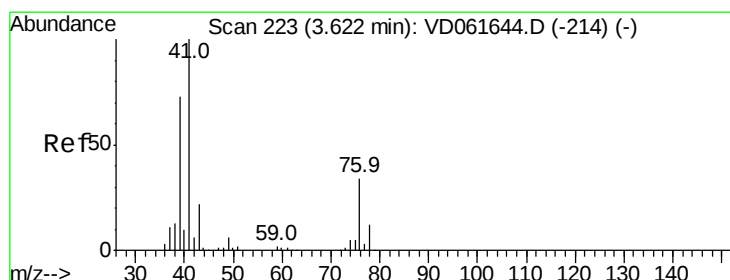
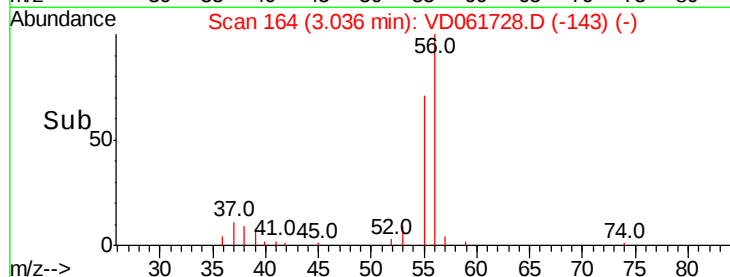
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 49.182 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

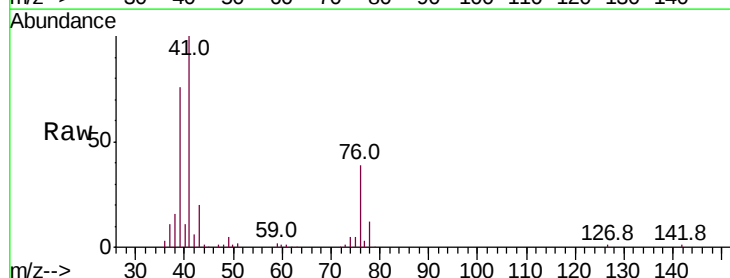
Tgt Ion: 41 Resp: 422902

Ion Ratio Lower Upper

41 100

39 76.0 58.2 87.4

76 39.0 29.8 44.6



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

3.63

200000

150000

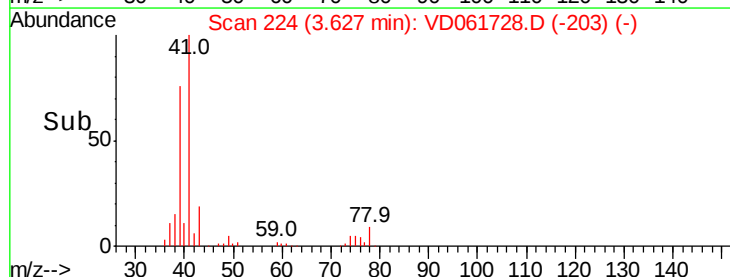
100000

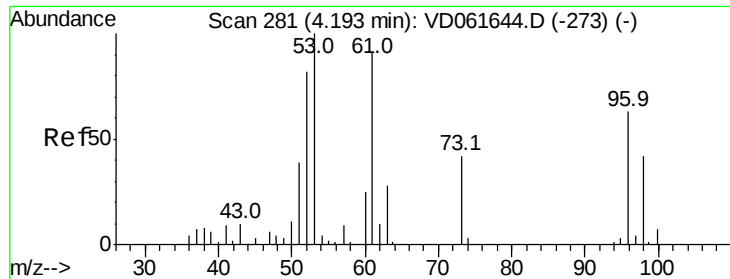
50000

0

Time-->

3.50 3.60 3.70 3.80





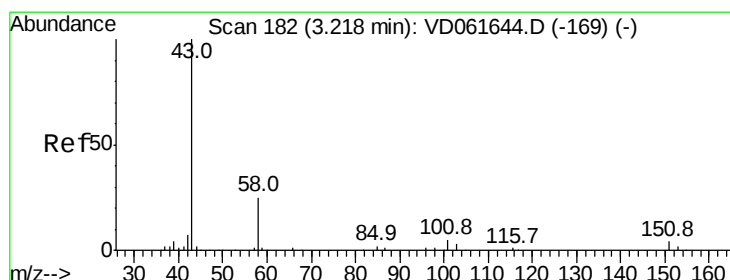
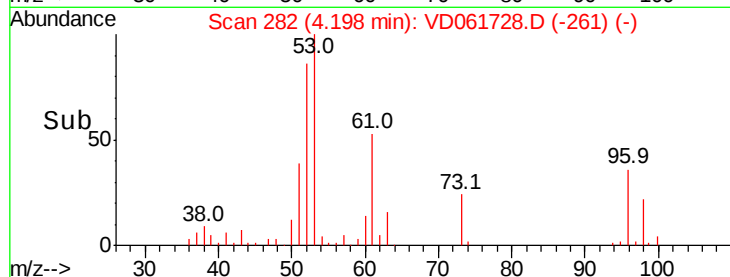
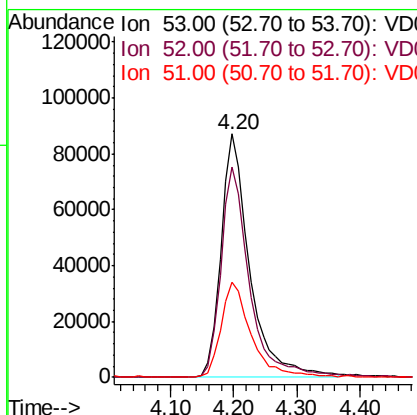
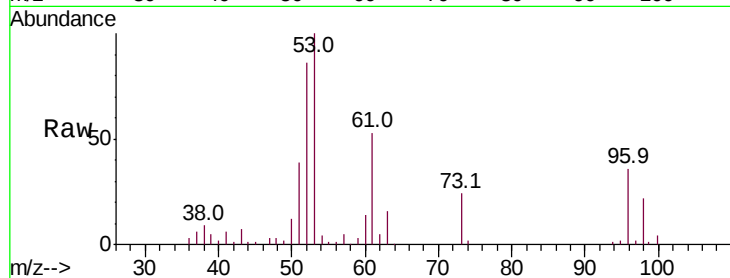
#15
Acrylonitrile
Concen: 260.012 ug/l
RT: 4.20 min Scan# 282
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	86.5	65.9	98.9
51	39.3	31.4	47.2

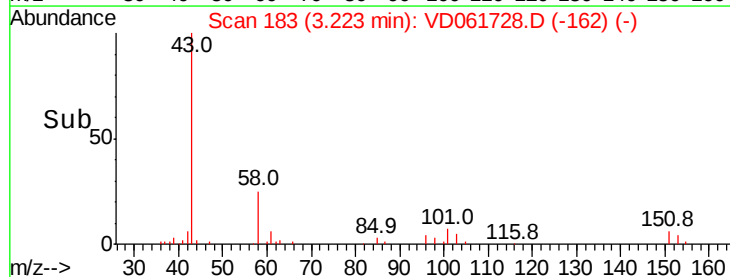
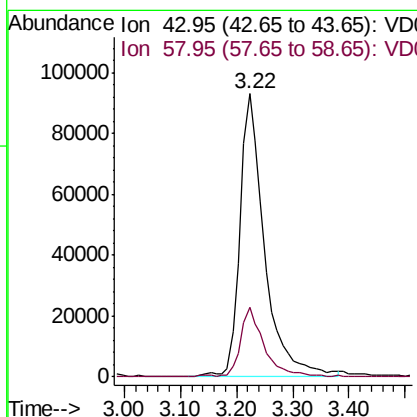
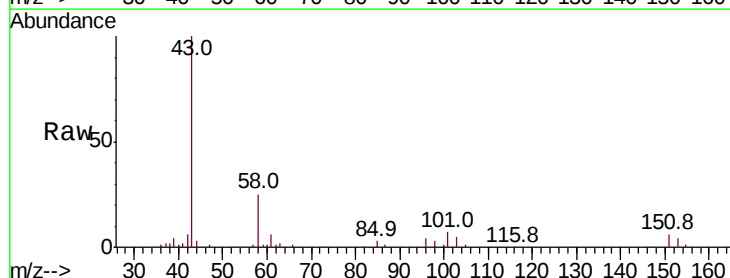
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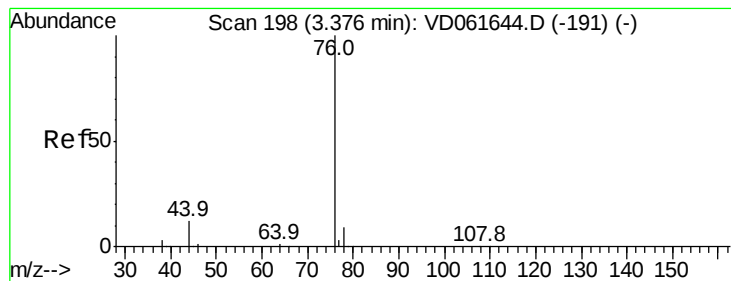
MMDadoda
4/11/2019 11:45:48 AM



#16
Acetone
Concen: 207.007 ug/l
RT: 3.22 min Scan# 183
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	24.6	19.7	29.5





#17

Carbon Disulfide

Concen: 46.294 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 948337

Ion Ratio Lower Upper

76 100

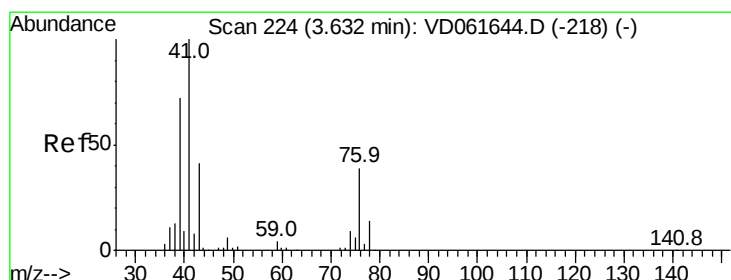
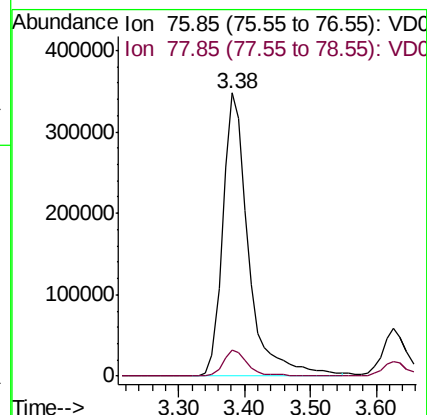
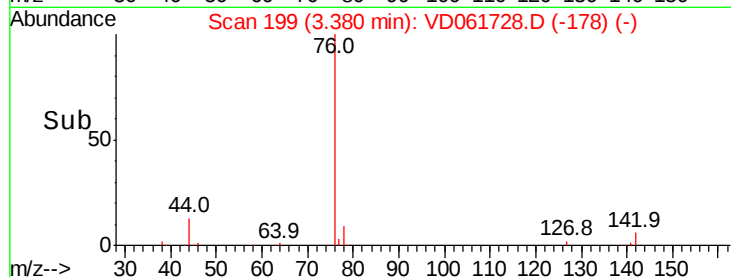
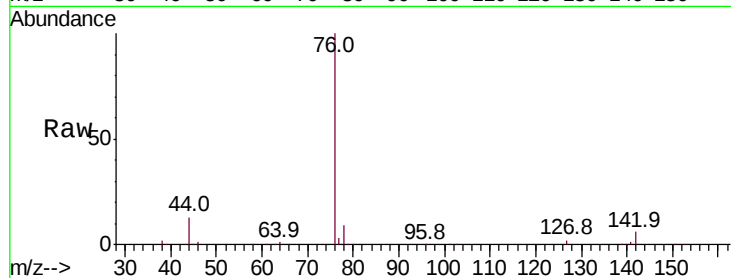
78 9.3 7.4 11.2

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#18

Methyl Acetate

Concen: 54.311 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061728.D

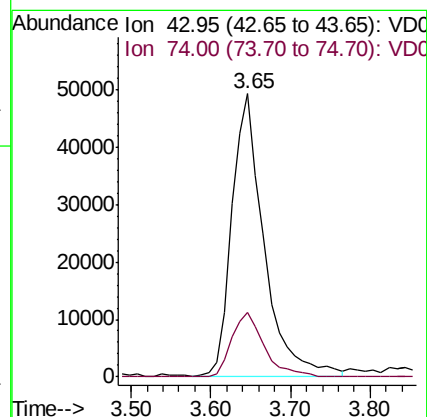
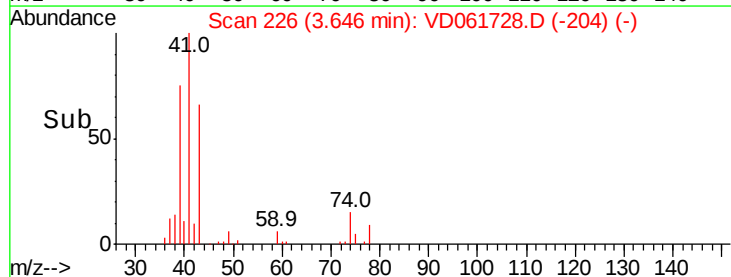
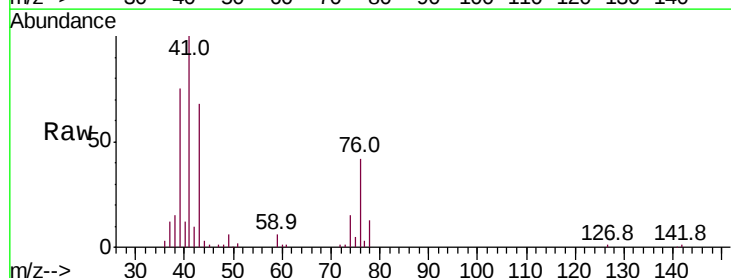
Acq: 10 Apr 2019 23:39

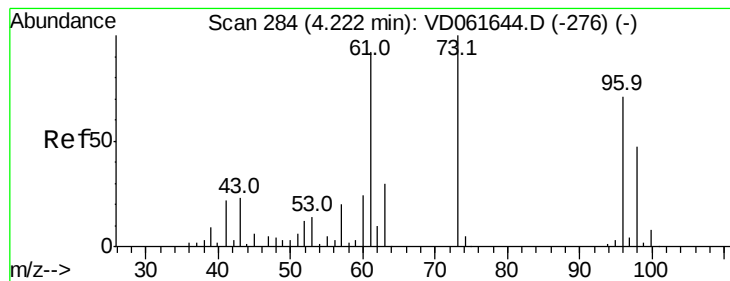
Tgt Ion: 43 Resp: 140021

Ion Ratio Lower Upper

43 100

74 22.8 18.2 27.2





#19

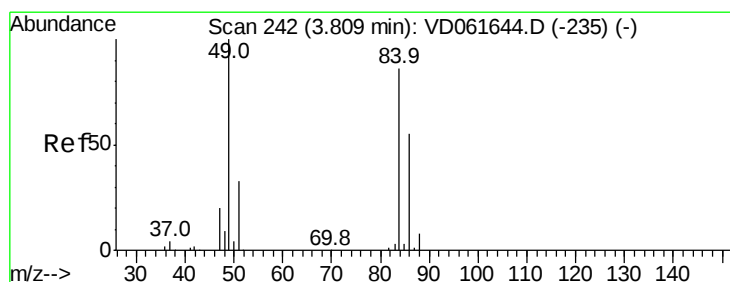
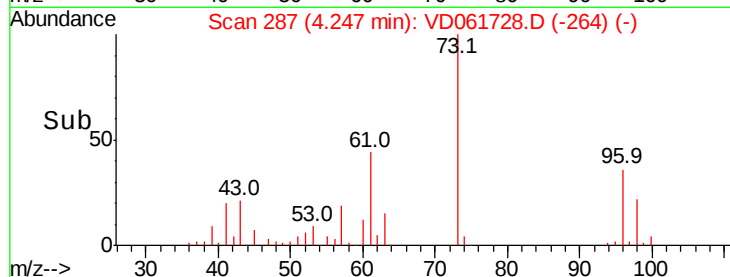
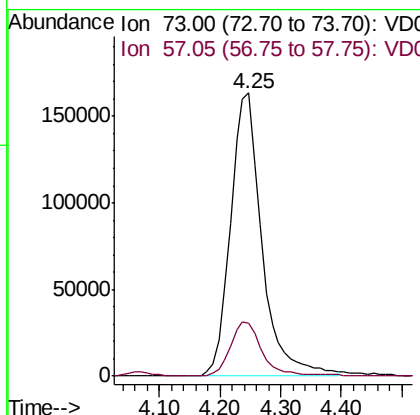
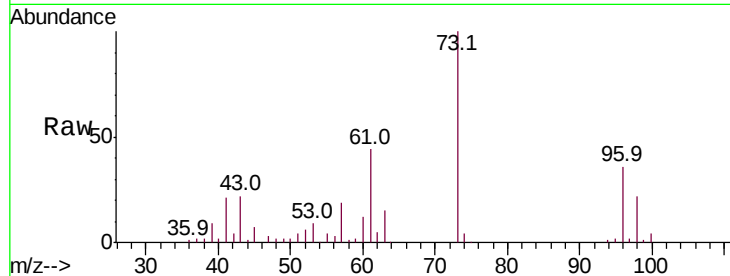
Methyl tert-butyl Ether
 Concen: 53.919 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.02 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	16.0	24.0

Manual Integrations
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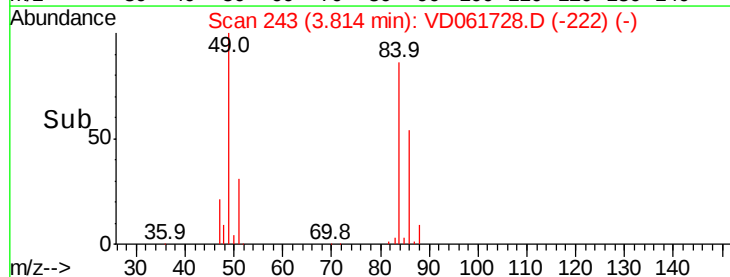
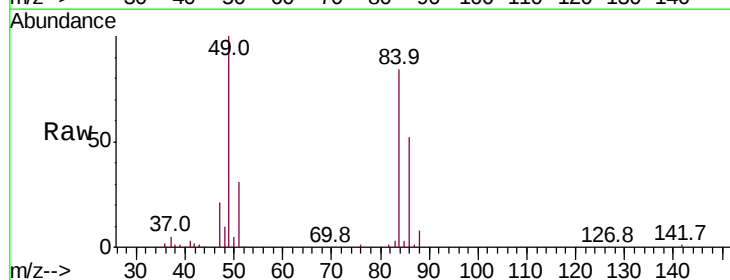
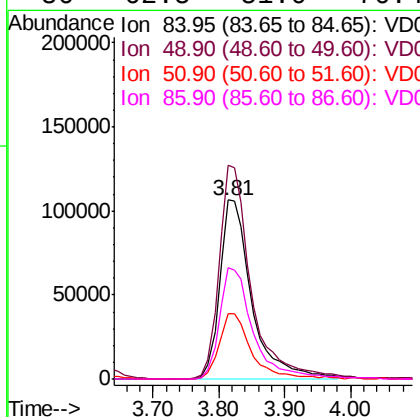
MMDadoda
 4/11/2019 11:45:48 AM

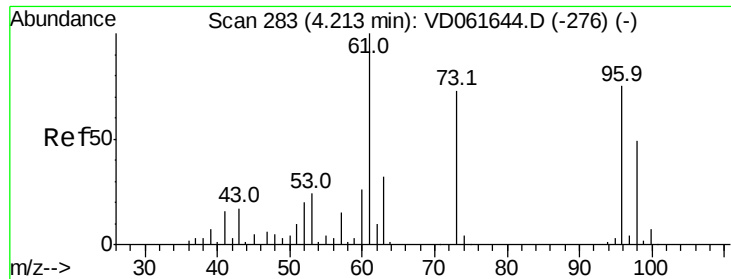


#20

Methylene Chloride
 Concen: 46.650 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. 0.01 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.2	93.0	139.4
51	36.7	30.4	45.6
86	62.5	51.0	76.4





#21

trans-1,2-Dichloroethene

Concen: 49.195 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 336852

Ion Ratio Lower Upper

96 100

61 131.7 106.8 160.2

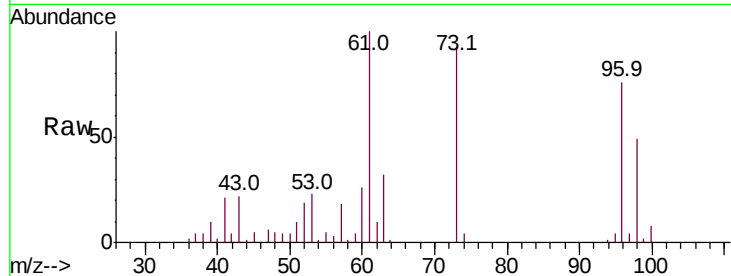
98 64.4 52.2 78.2

Manual Integrations

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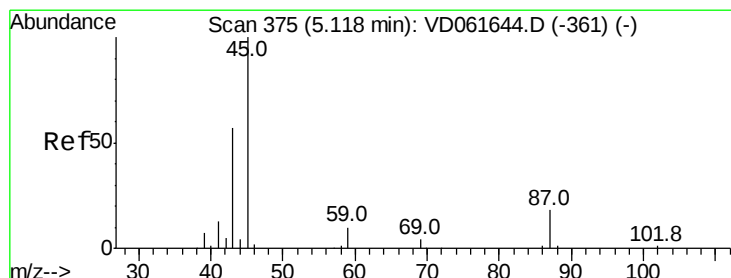
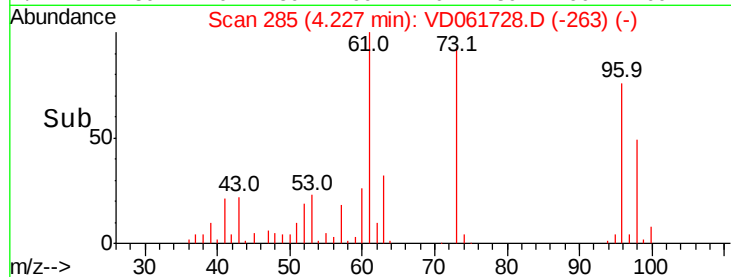
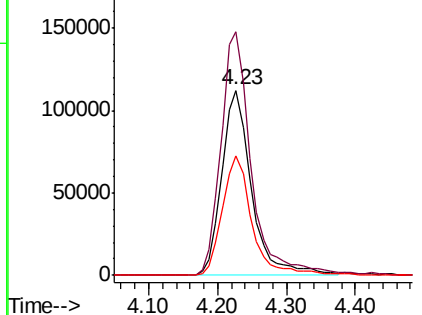
4/11/2019 11:45:48 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 50.191 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Tgt Ion: 45 Resp: 904864

Ion Ratio Lower Upper

45 100

43 61.9 46.6 70.0

87 20.1 15.6 23.4

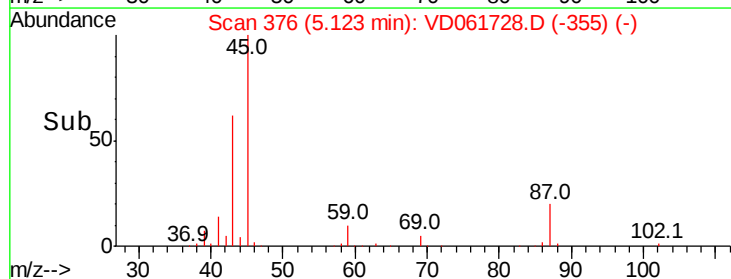
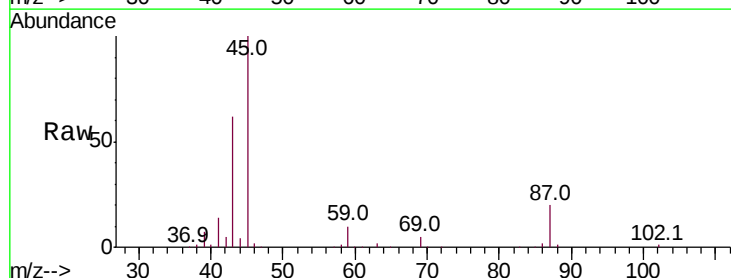
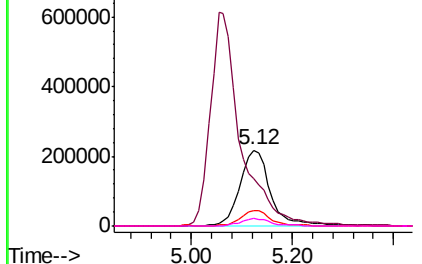
59 10.2 8.6 13.0

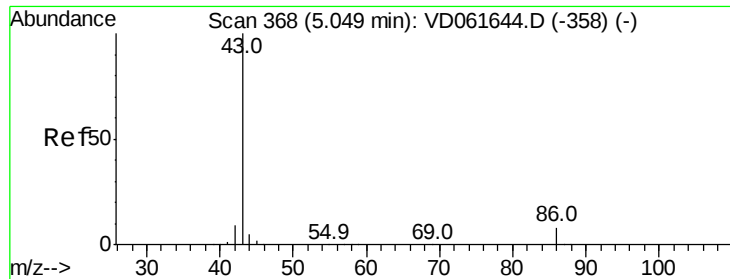
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 255.526 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2541880

Ion Ratio Lower Upper

43 100

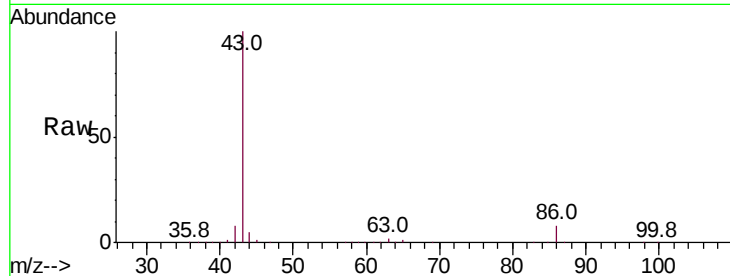
86 7.6 6.4 9.6

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

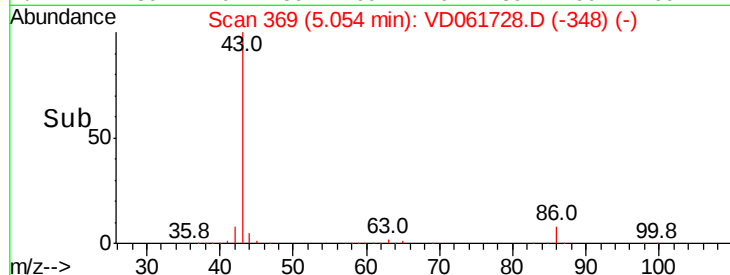
600000

400000

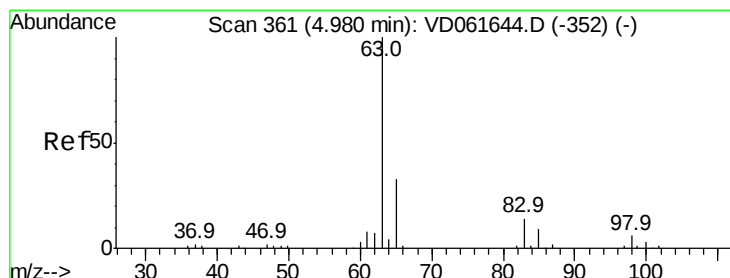
200000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 51.715 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

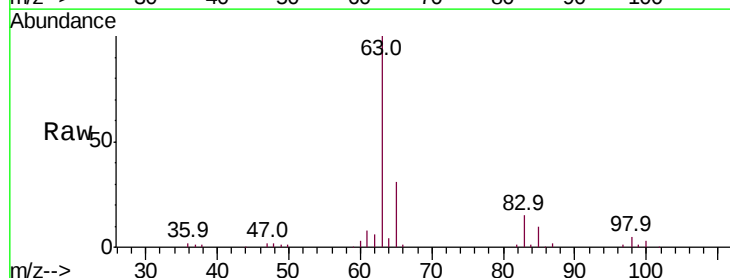
Tgt Ion: 63 Resp: 571322

Ion Ratio Lower Upper

63 100

98 5.3 2.9 8.6

100 3.5 1.7 5.1



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

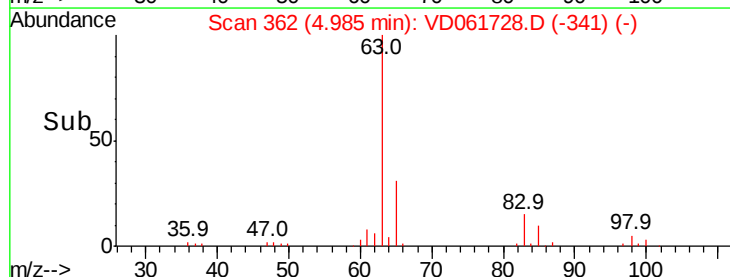
150000

100000

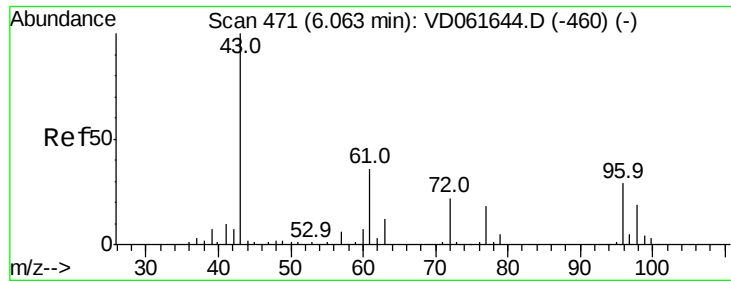
50000

0

Time-->



Time-->



#25

2-Butanone

Concen: 243.734 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.01 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 385036

Ion Ratio Lower Upper

43 100

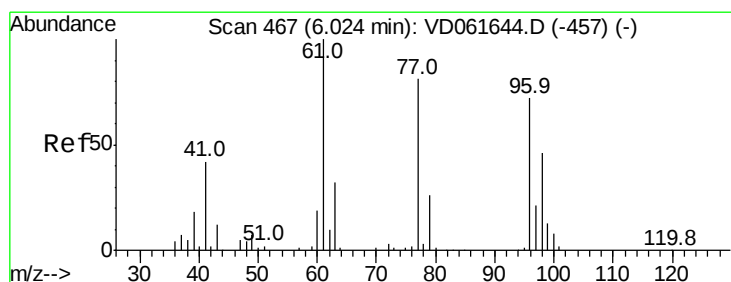
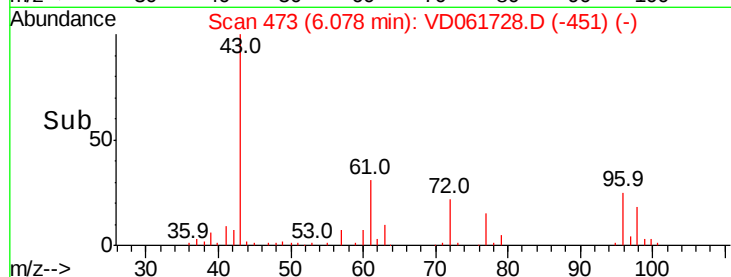
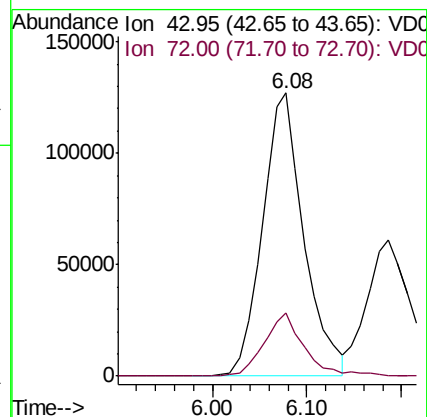
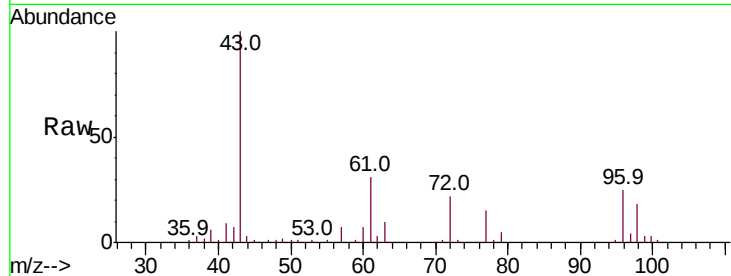
72 22.3 17.4 26.2

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#26

2,2-Dichloropropane

Concen: 47.927 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.00 min

Lab File: VD061728.D

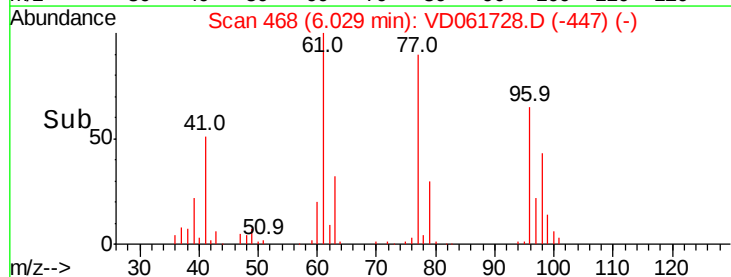
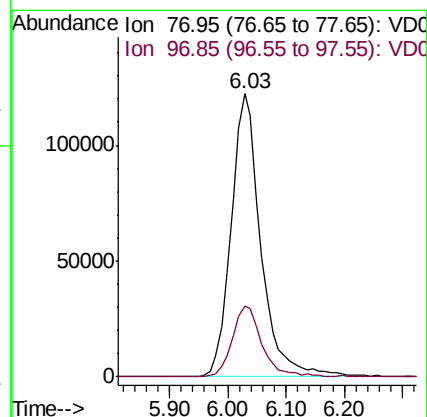
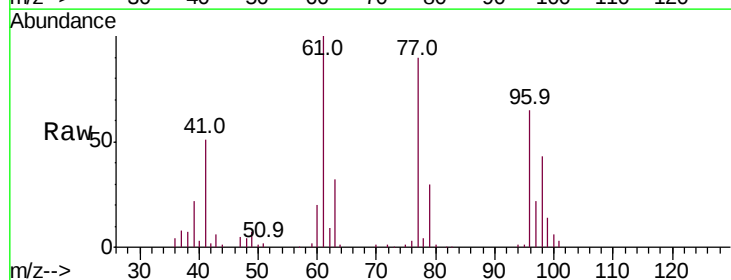
Acq: 10 Apr 2019 23:39

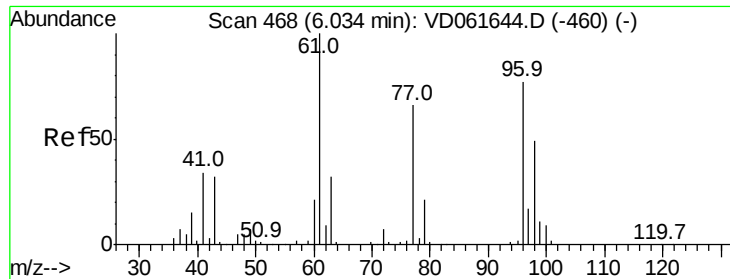
Tgt Ion: 77 Resp: 431131

Ion Ratio Lower Upper

77 100

97 24.9 12.7 38.0





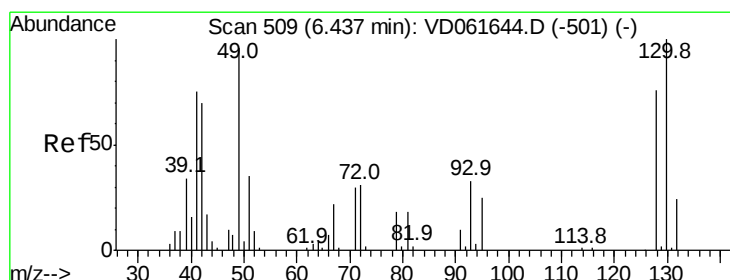
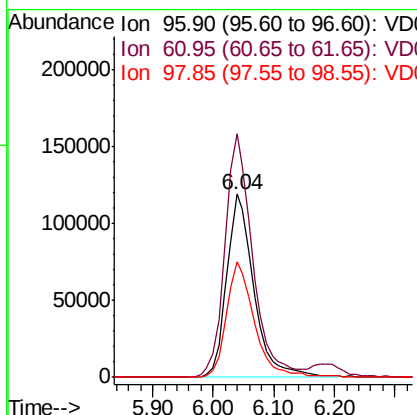
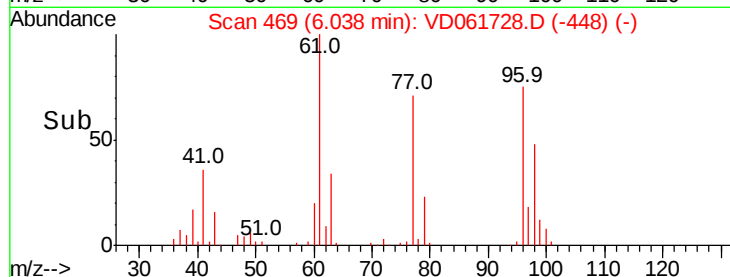
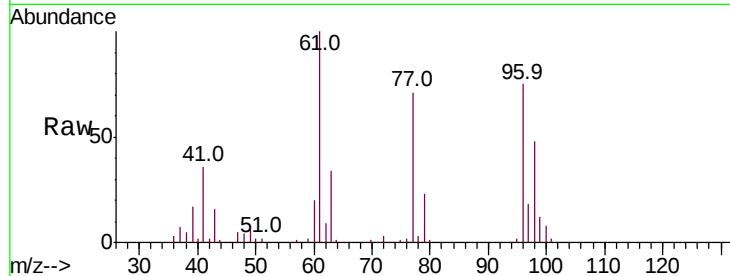
#27
 cis-1,2-Dichloroethene
 Concen: 51.076 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. 0.00 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	0.0	259.8
98	63.5	0.0	127.6

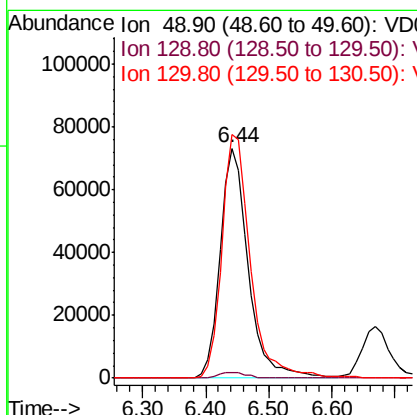
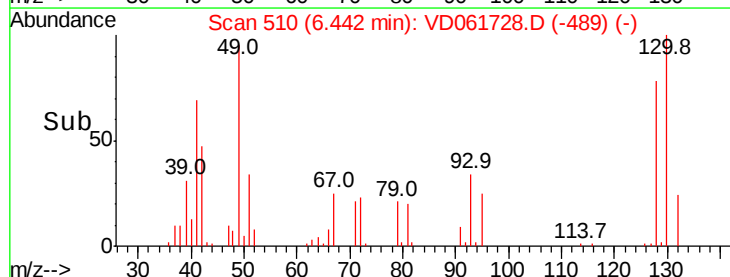
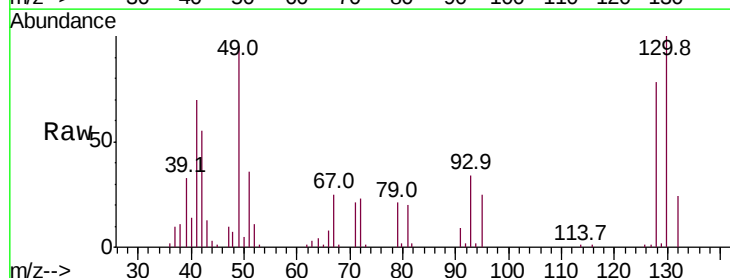
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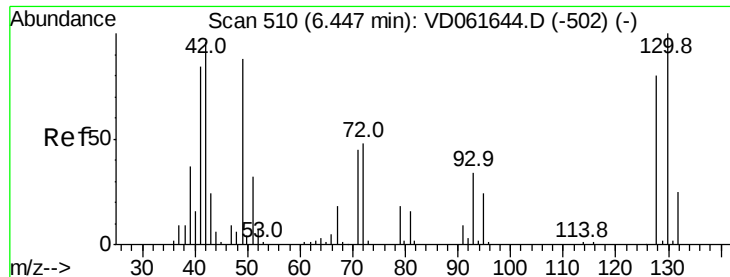
MMDadoda
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#28
 Bromochloromethane
 Concen: 55.839 ug/l
 RT: 6.44 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.0
130	105.8	83.3	124.9





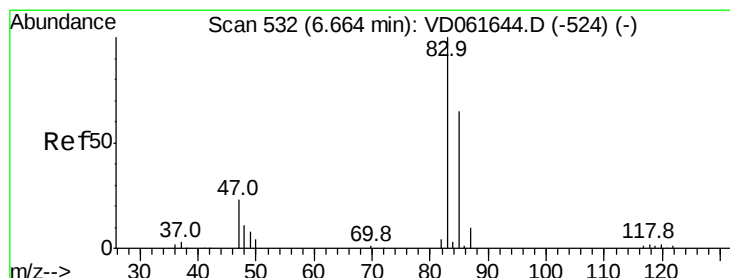
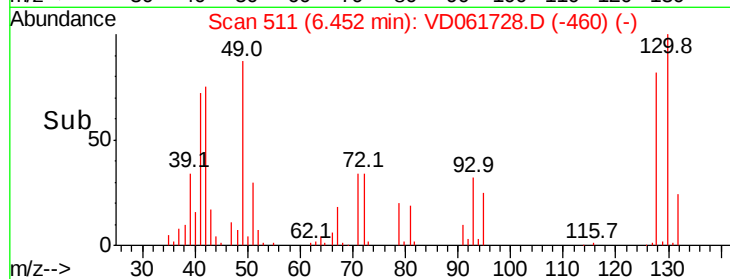
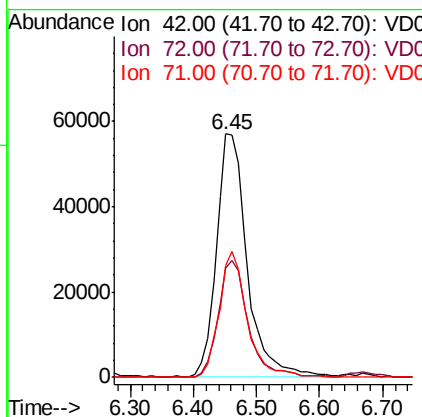
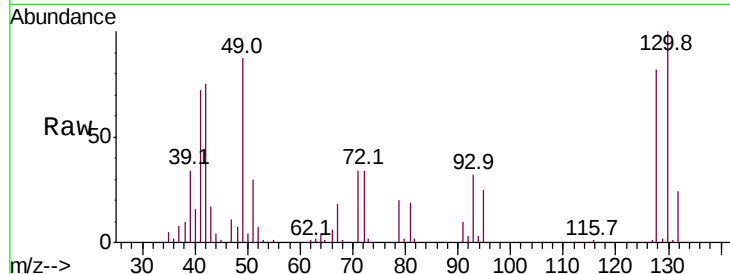
#29
Tetrahydrofuran
Concen: 255.440 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.0	55.6
71	46.8	36.5	54.7

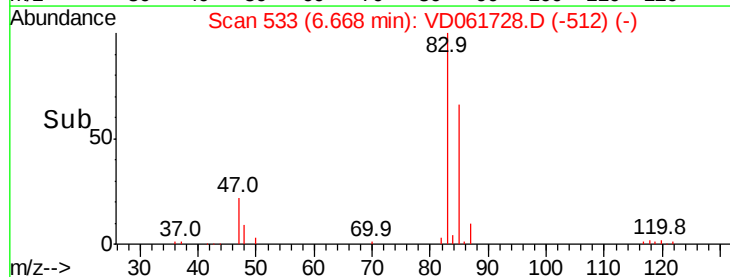
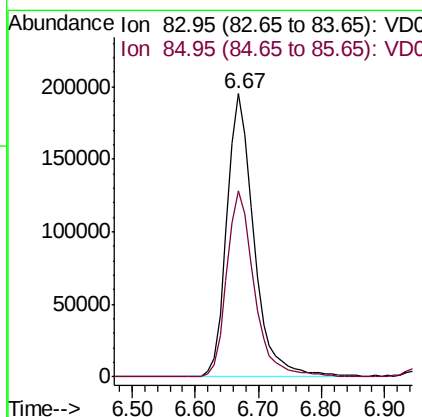
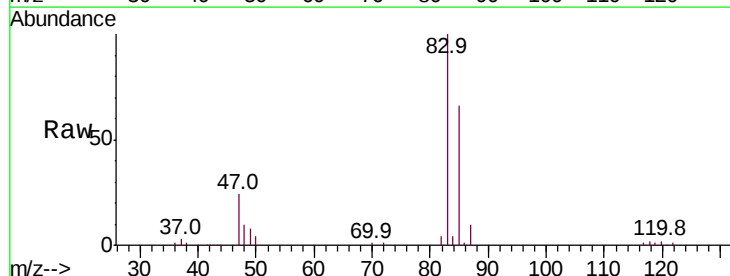
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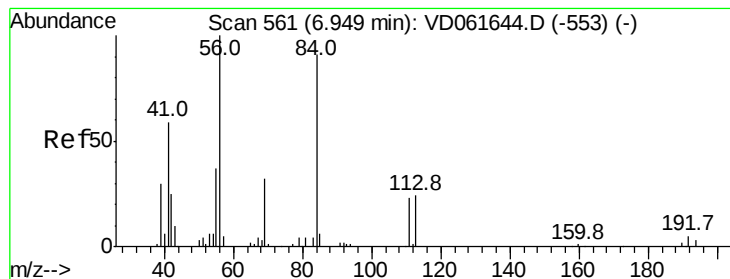
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#30
Chloroform
Concen: 50.073 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.9	77.9





#31

Cyclohexane

Concen: 46.194 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

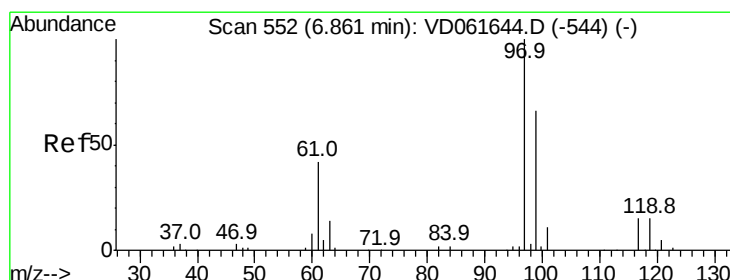
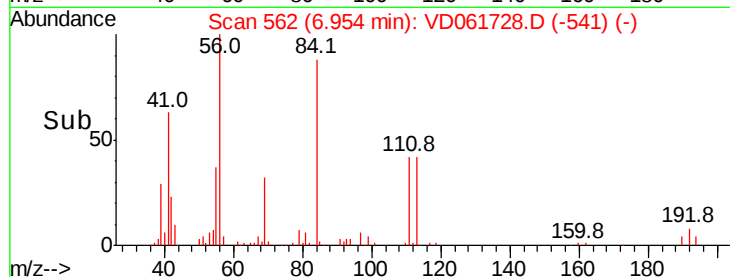
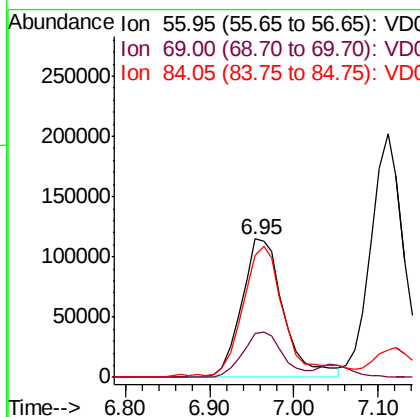
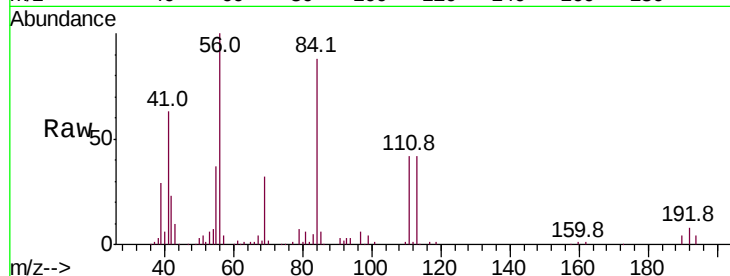
ClientSampleID :

VSTDCCC050

Tot Ion:	56	Resp:	398680
Ion	Ratio	Lower	Upper
56	100		
69	32.1	25.8	38.6
84	88.1	74.2	111.2

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#32

1,1,1-Trichloroethane

Concen: 48.473 ug/l

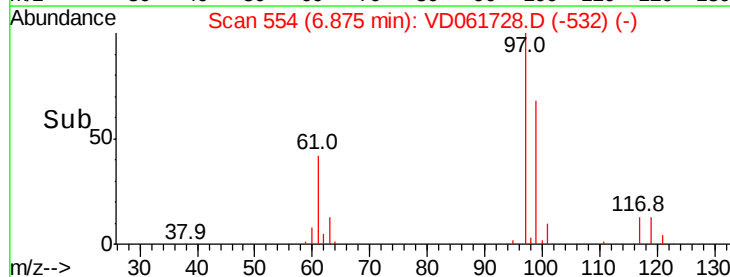
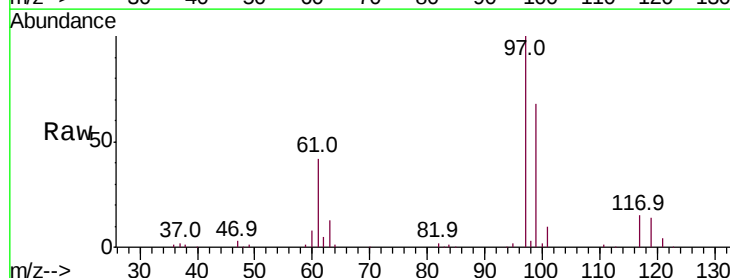
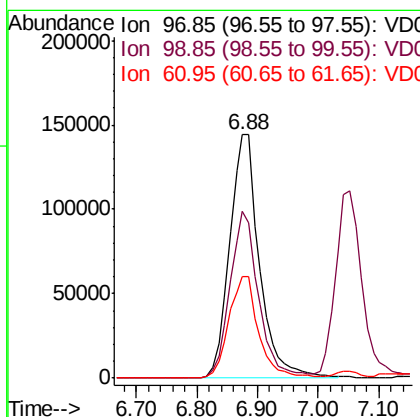
RT: 6.88 min Scan# 554

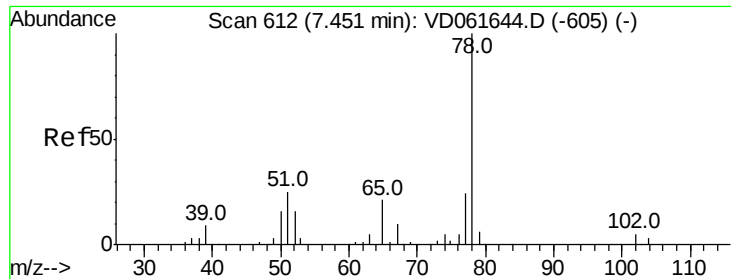
Delta R.T. 0.01 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Tgt Ion:	97	Resp:	491607
Ion	Ratio	Lower	Upper
97	100		
99	68.5	52.5	78.7
61	41.5	33.4	50.0





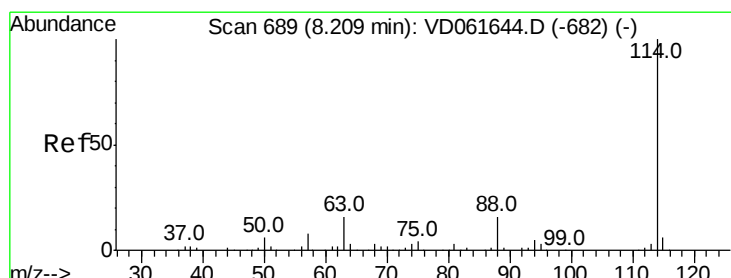
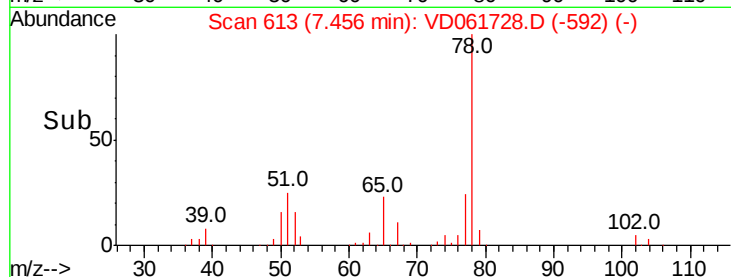
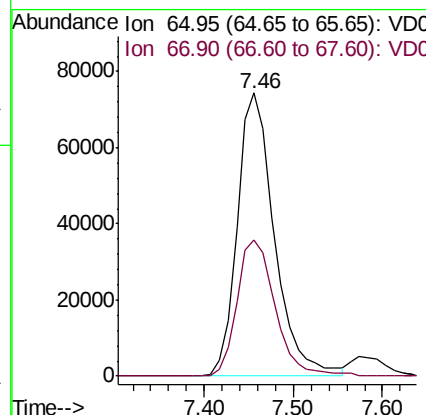
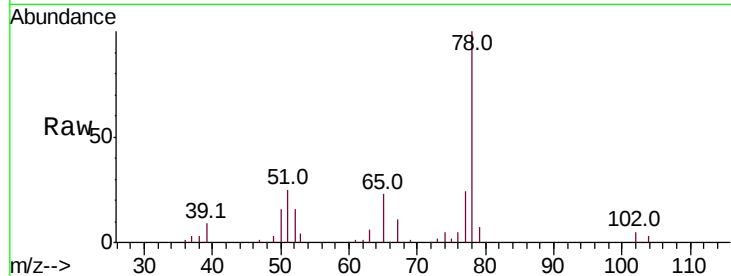
#33
 1,2-Dichloroethane-d4
 Concen: 48.473 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	48.2	0.0	99.4	

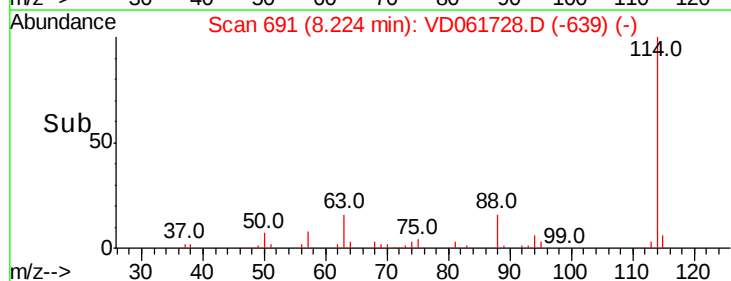
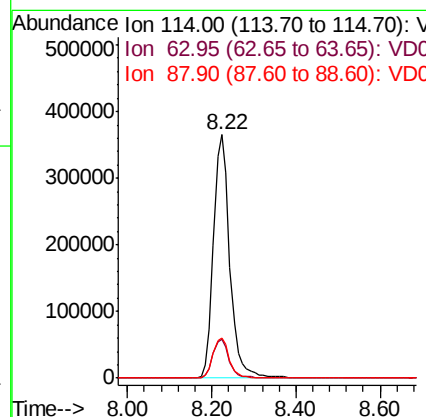
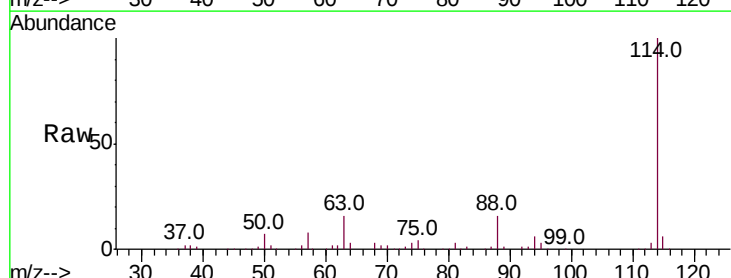
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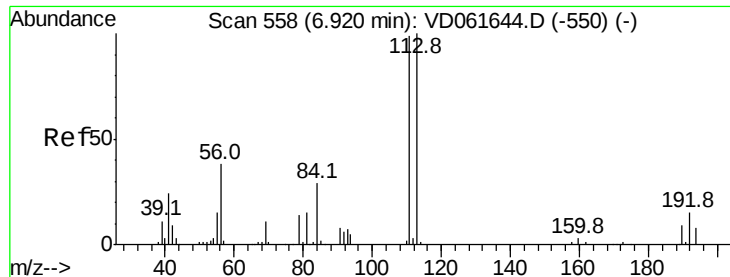
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.0	0.0	31.2	
88	16.3	0.0	31.8	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

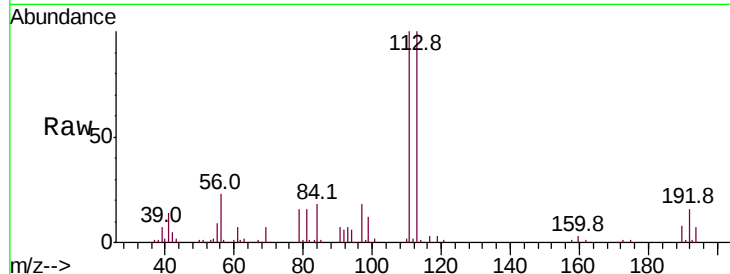
ClientSampleId :

VSTDCCC050

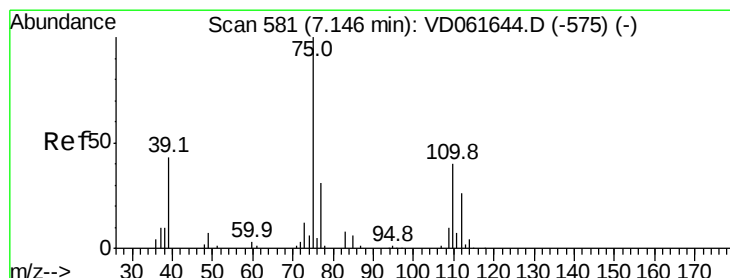
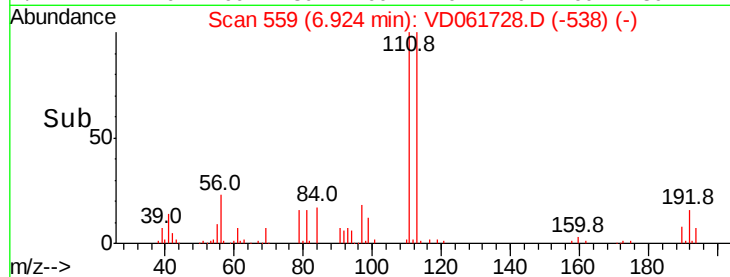
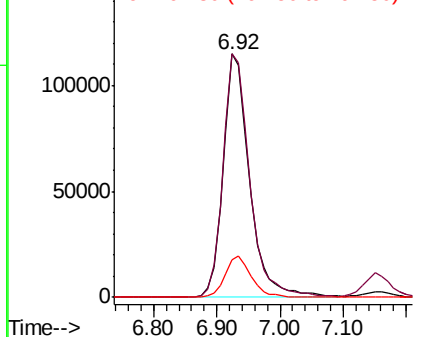
Tot Ion:	113	Resp:	333570
Ion Ratio	Lower	Upper	
113	100		
111	100.0	79.3	118.9
192	15.6	12.3	18.5

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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: 51.609 ug/l

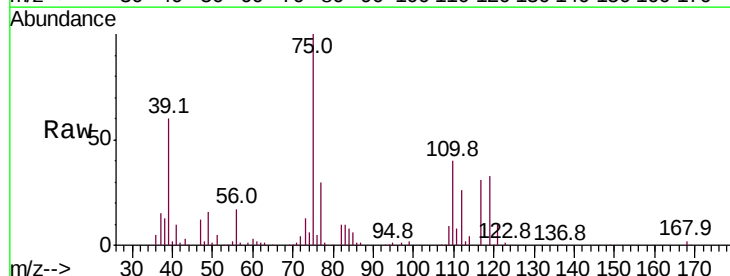
RT: 7.15 min Scan# 582

Delta R.T. 0.00 min

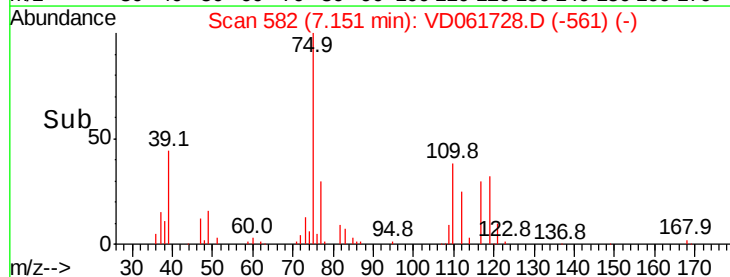
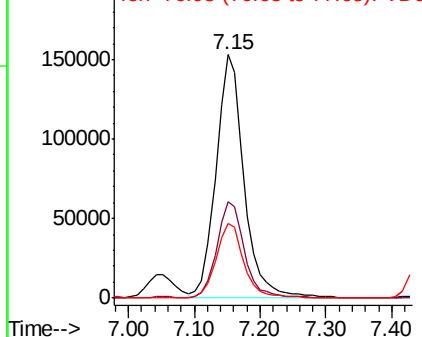
Lab File: VD061728.D

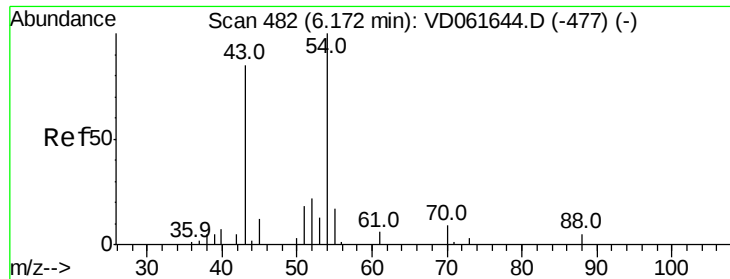
Acq: 10 Apr 2019 23:39

Tgt Ion:	75	Resp:	445062
Ion Ratio	Lower	Upper	
75	100		
110	39.7	19.7	59.0
77	30.5	24.8	37.2



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





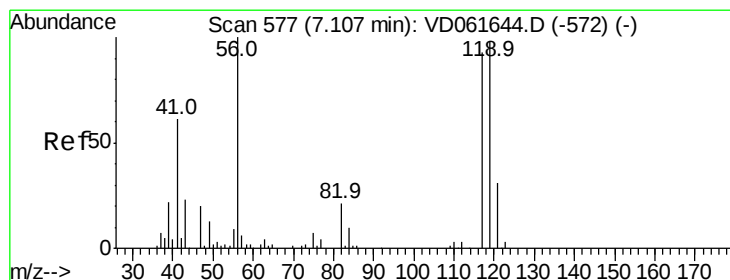
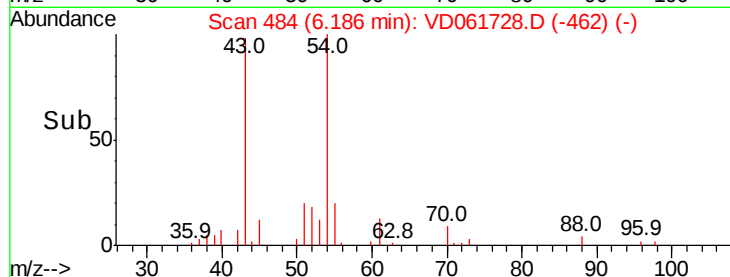
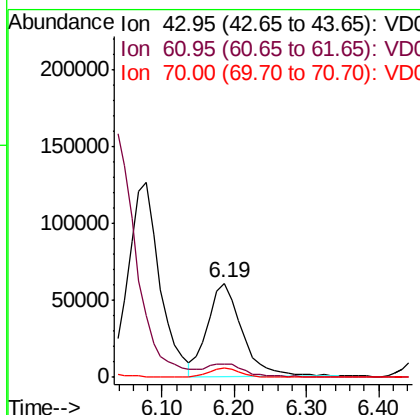
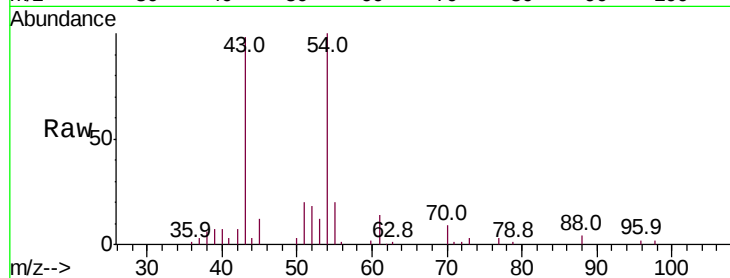
#37
Ethyl Acetate
Concen: 56.096 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.9	17.9
70	9.6	6.9	10.3

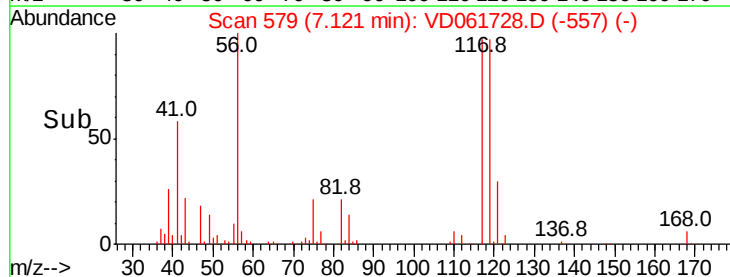
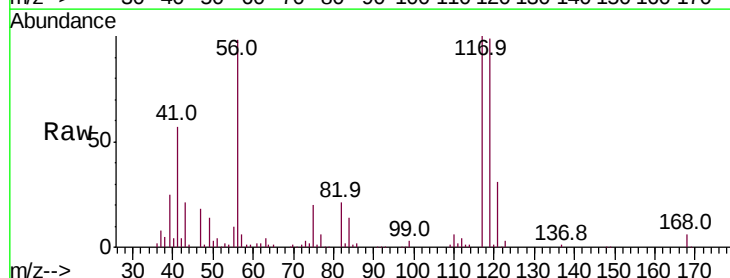
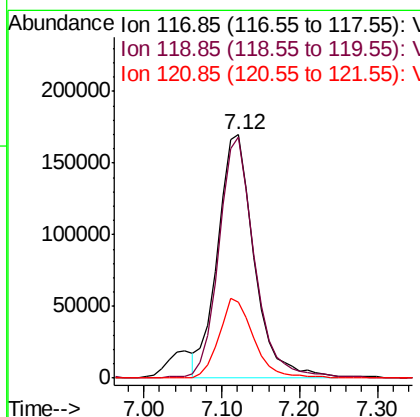
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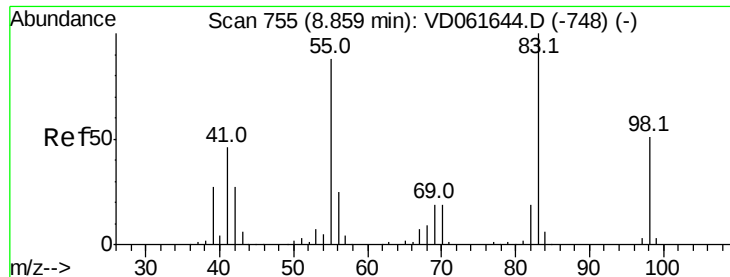
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#38
Carbon Tetrachloride
Concen: 54.875 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	77.9	116.9
121	31.1	24.7	37.1





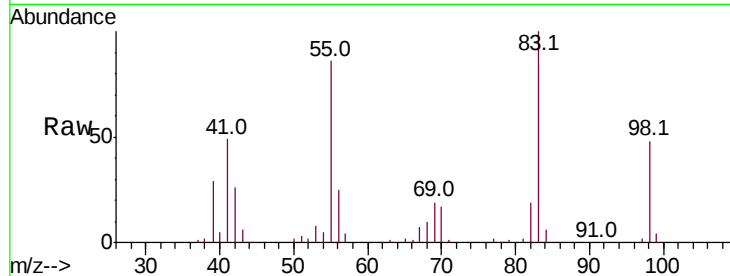
#39
Methvlcvclohexane
Concen: 46.336 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

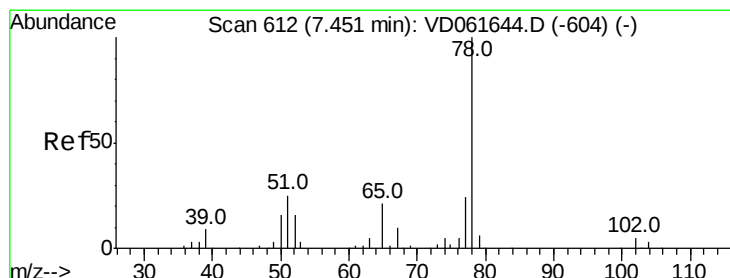
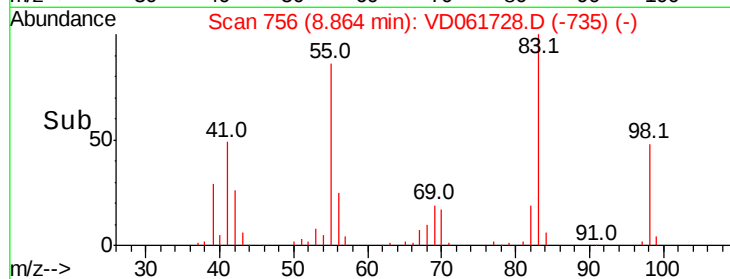
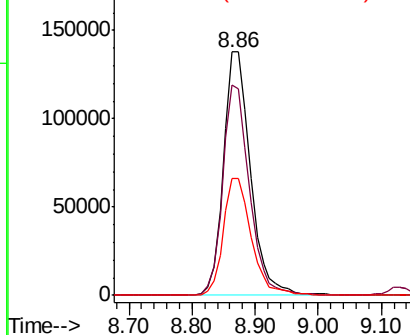
Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	70.3	105.5
98	48.1	41.0	61.6

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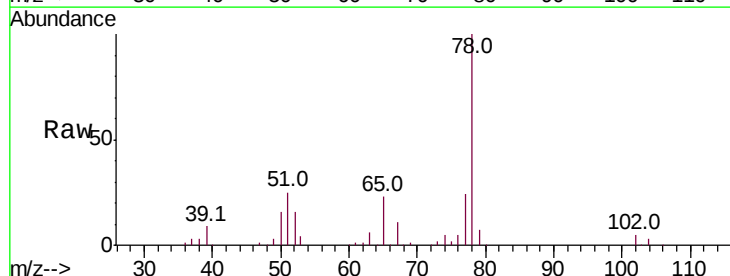


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

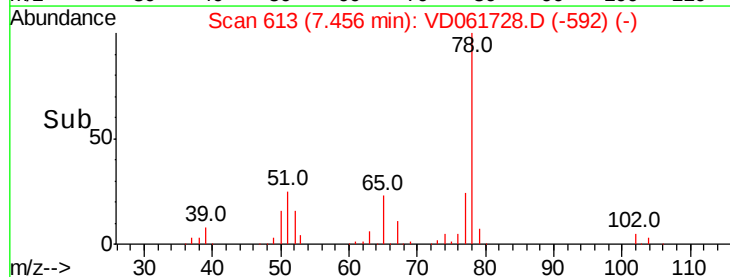
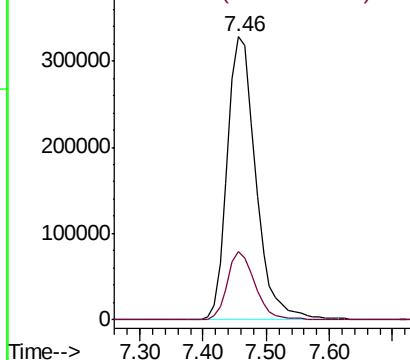


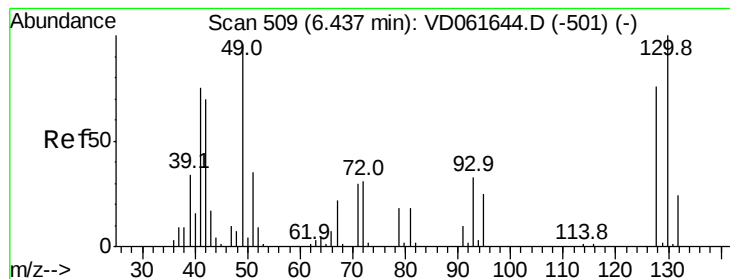
#40
Benzene
Concen: 49.559 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.5	29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 53.750 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 220397

Ion Ratio Lower Upper

41 100

39 47.1 36.2 54.2

67 25.5 23.2 34.8

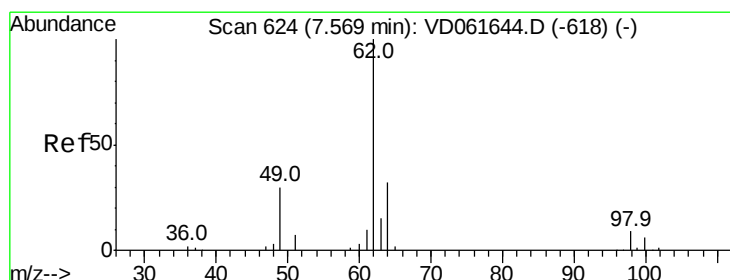
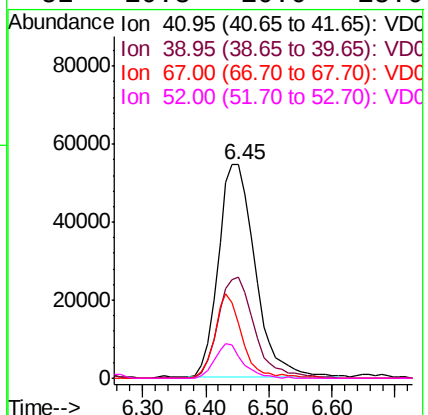
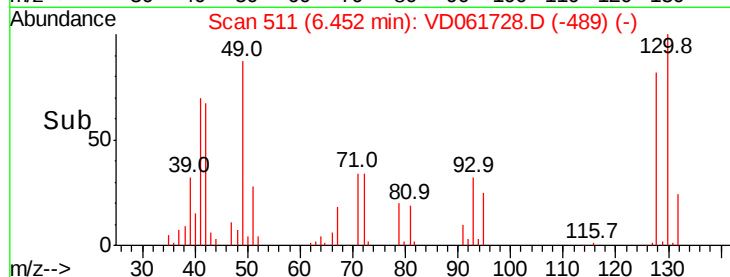
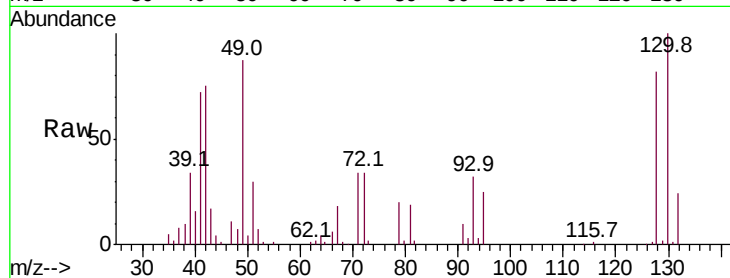
52 10.3 10.0 15.0

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#42

1,2-Dichloroethane

Concen: 54.792 ug/l

RT: 7.58 min Scan# 626

Delta R.T. 0.01 min

Lab File: VD061728.D

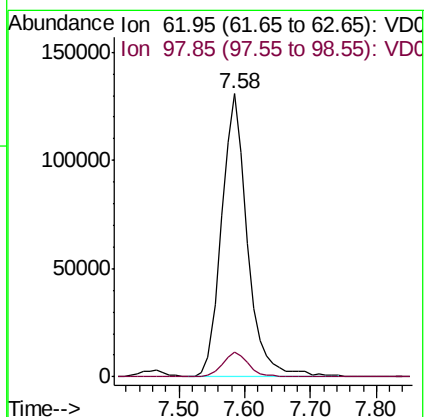
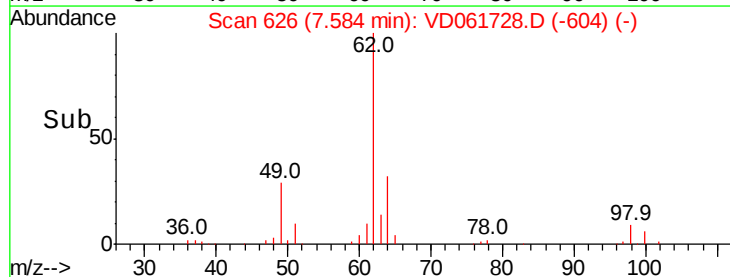
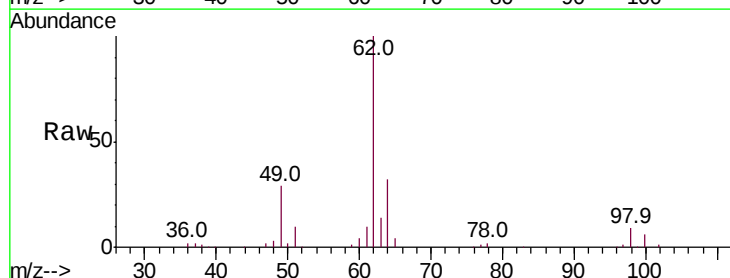
Acq: 10 Apr 2019 23:39

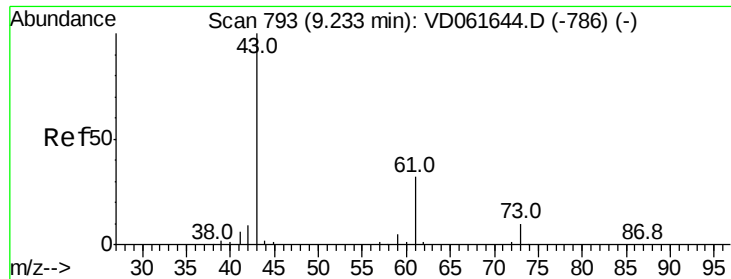
Tgt Ion: 62 Resp: 358493

Ion Ratio Lower Upper

62 100

98 8.7 0.0 17.8





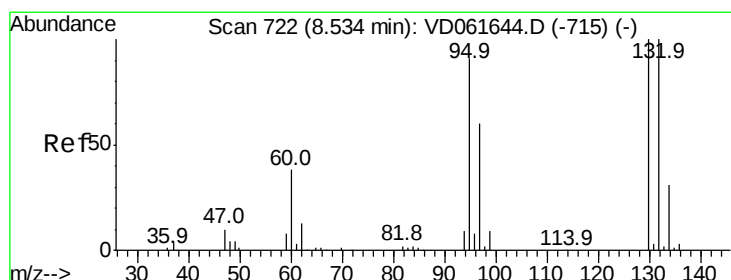
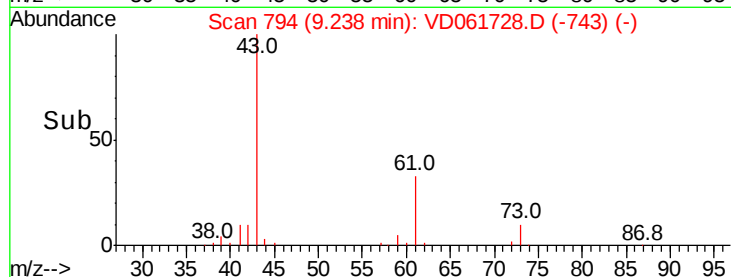
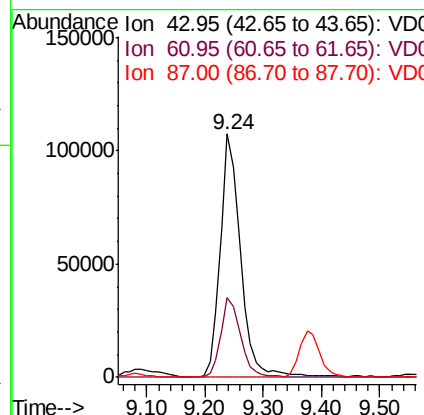
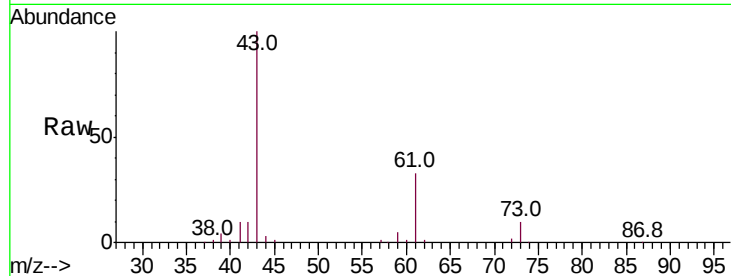
#43
Isopropyl Acetate
Concen: 51.446 ug/l
RT: 9.24 min Scan# 794
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.8	25.9	38.9
87	0.4	0.2	0.4

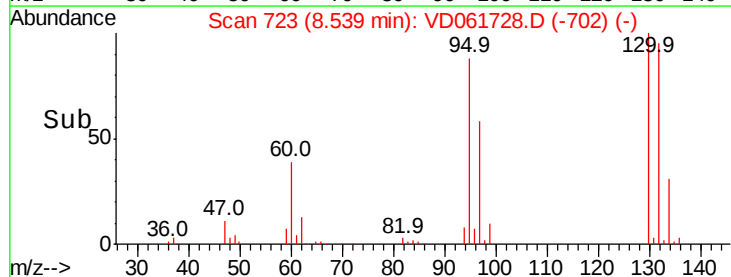
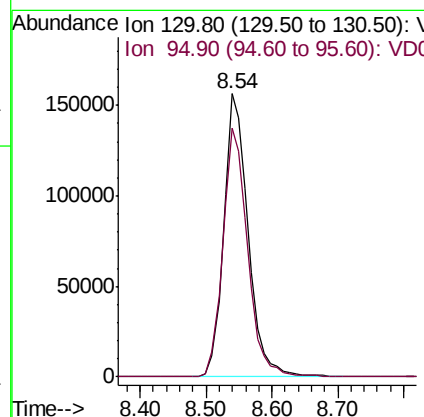
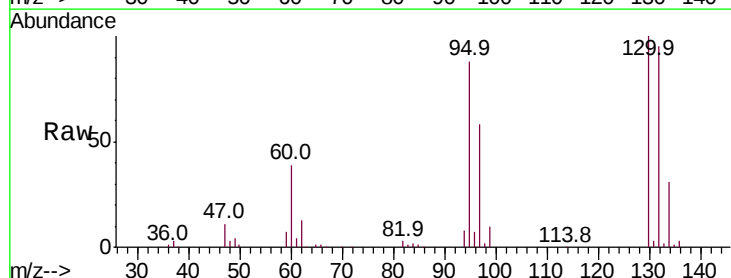
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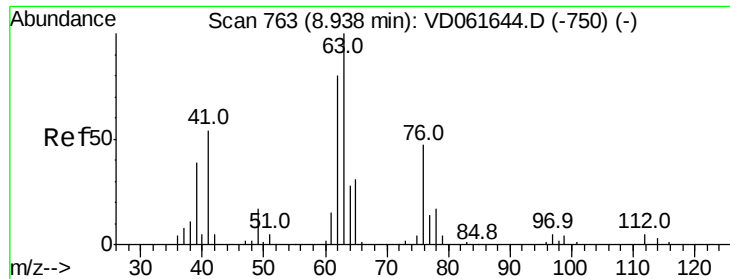
MMDadoda
4/11/2019 11:45:48 AM



#44
Trichloroethene
Concen: 50.470 ug/l
RT: 8.54 min Scan# 723
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	181.8





#45

1,2-Dichloropropane

Concen: 54.648 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 281950

Ion Ratio Lower Upper

63 100

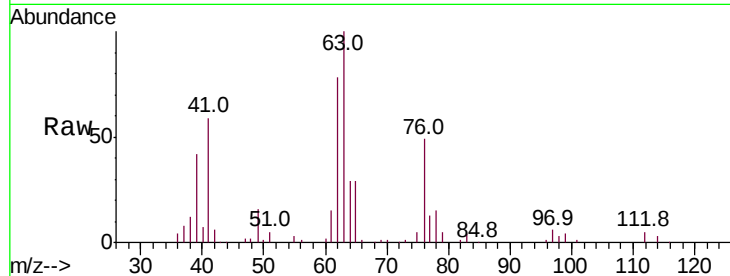
65 29.2 24.5 36.7

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.94

120000

100000

80000

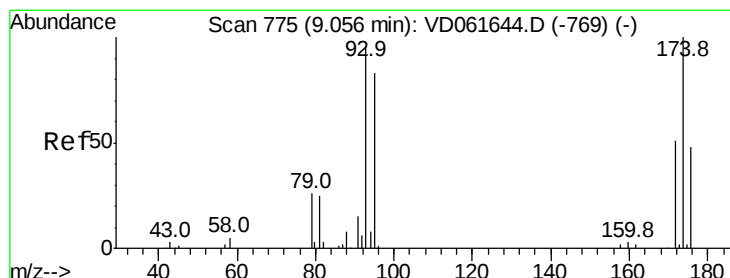
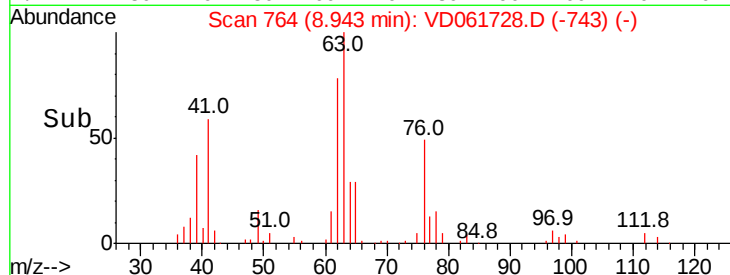
60000

40000

20000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 56.191 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

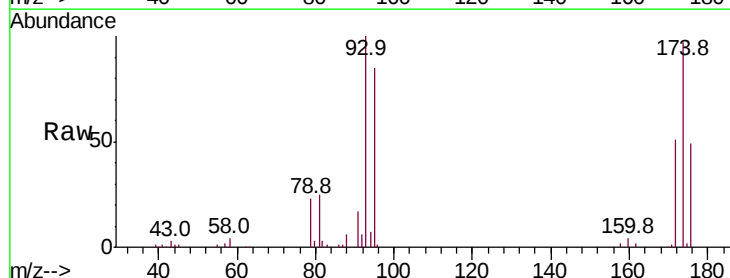
Tgt Ion: 93 Resp: 207197

Ion Ratio Lower Upper

93 100

95 85.4 68.6 103.0

174 96.9 83.0 124.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

120000

100000

80000

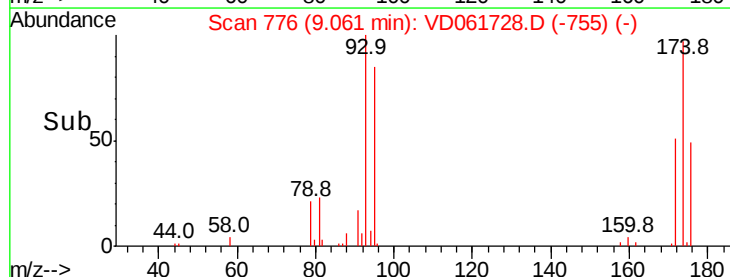
60000

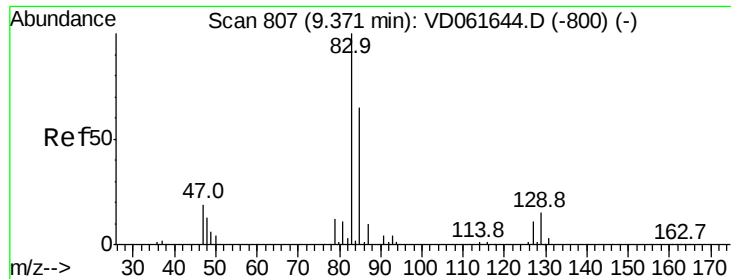
40000

20000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 59.412 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

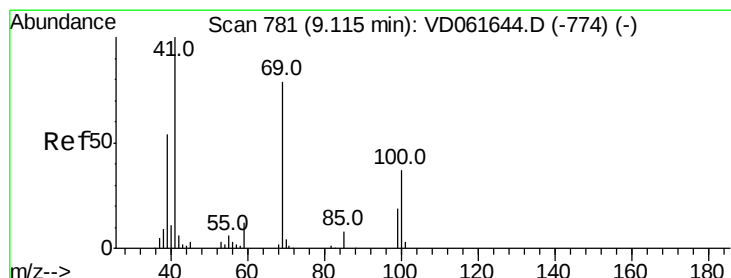
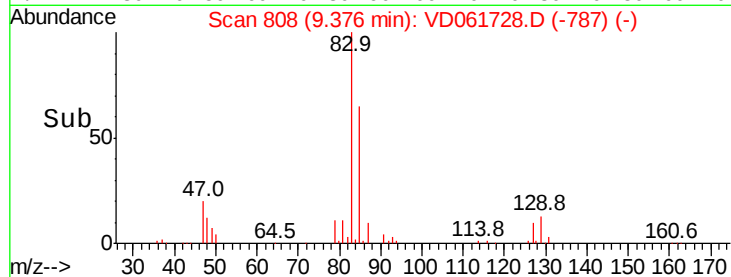
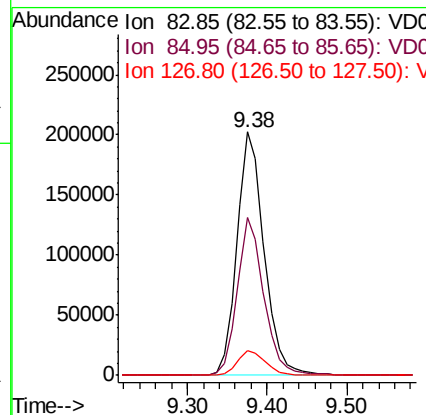
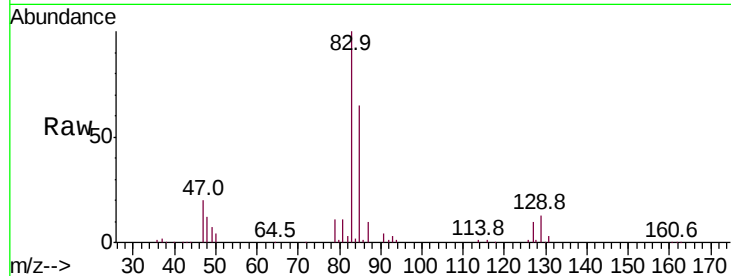
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	481153
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.8	77.6
127	9.9	9.0	13.6

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#48

Methyl methacrylate

Concen: 55.342 ug/l

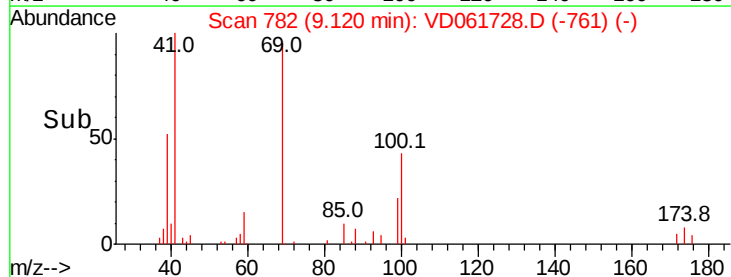
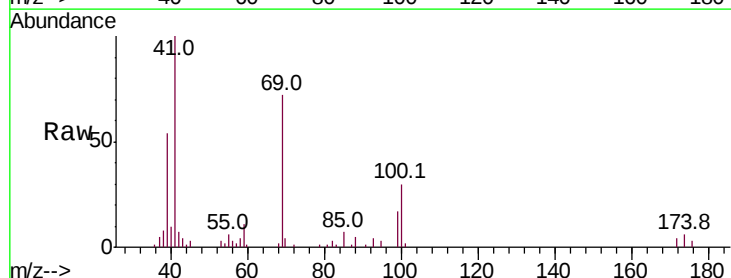
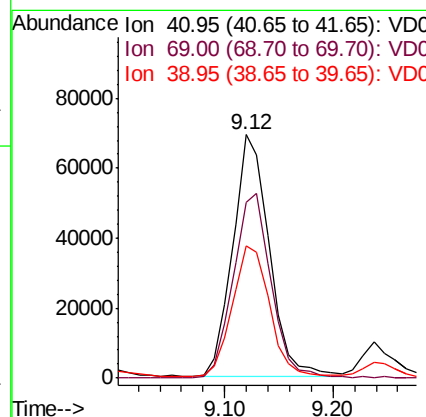
RT: 9.12 min Scan# 782

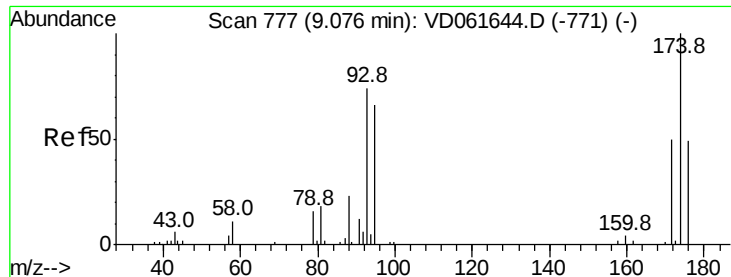
Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Tgt Ion:	41	Resp:	162622
Ion Ratio	Lower	Upper	
41	100		
69	72.0	63.1	94.7
39	54.3	43.8	65.8





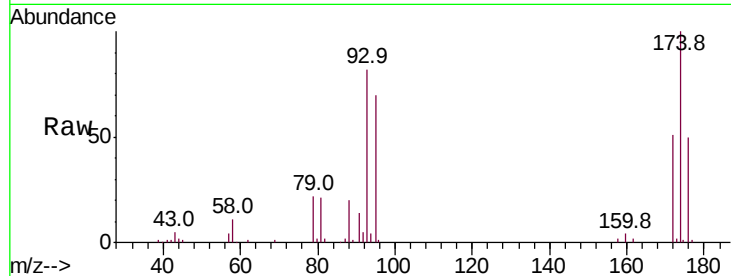
#49
1,4-Dioxane
Concen: 1179.842 ug/l
RT: 9.08 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

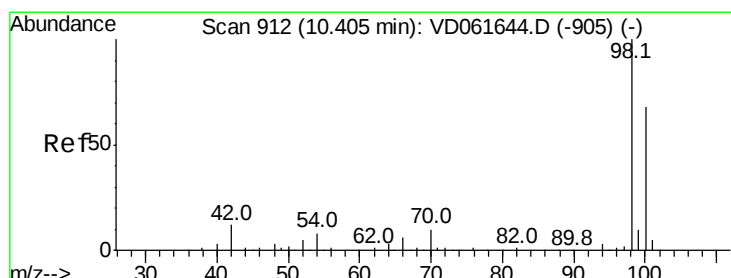
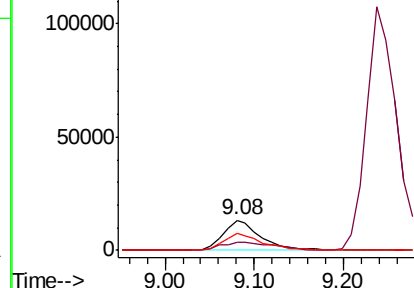
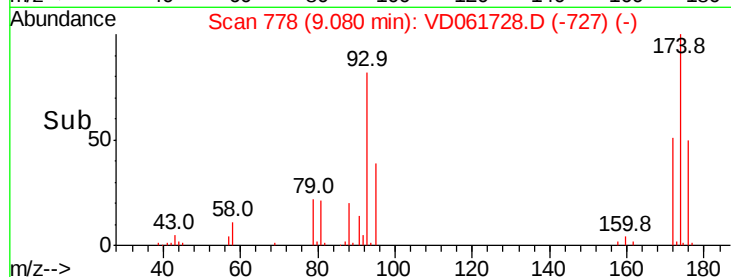
Tot Ion	Ratio	Lower	Upper
88	100		
43	25.9	21.8	32.8
58	57.2	40.2	60.2

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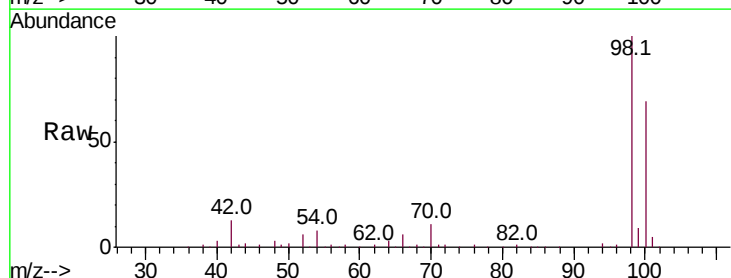


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

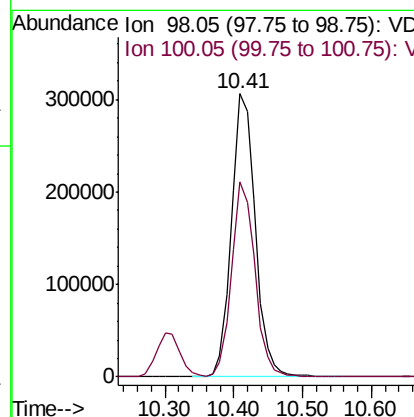
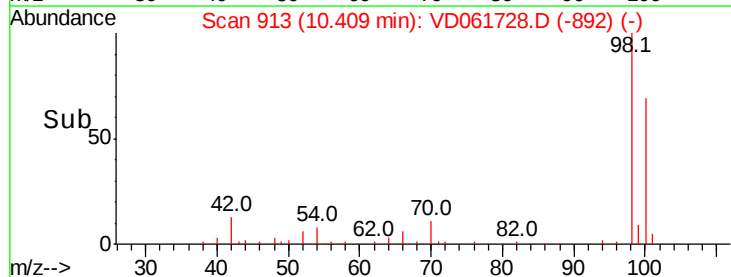


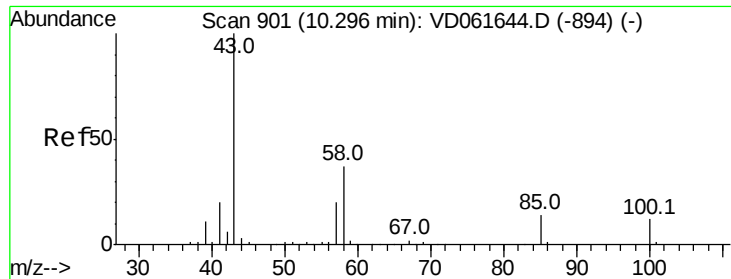
#50
Toluene-d8
Concen: 1179.842 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.8	55.4	83.0



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





#51

4-Methyl-2-Pentanone

Concen: 295.226 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 890038

Ion Ratio Lower Upper

43 100

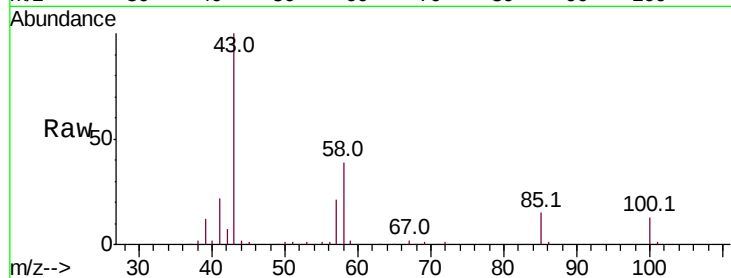
58 39.0 29.8 44.8

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

400000

300000

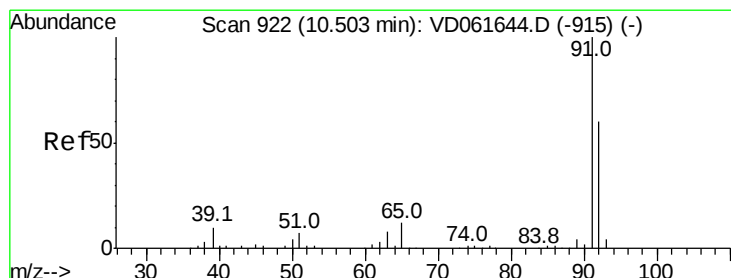
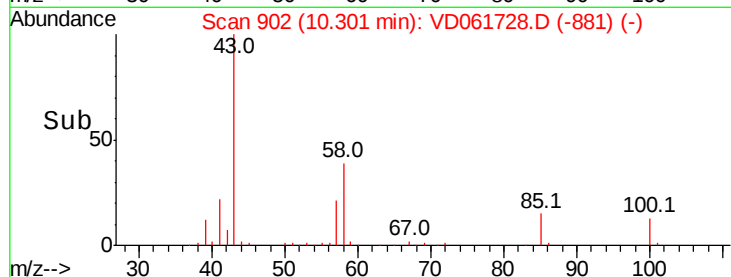
200000

100000

0

Time-->

10.20 10.40



#52

Toluene

Concen: 51.427 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061728.D

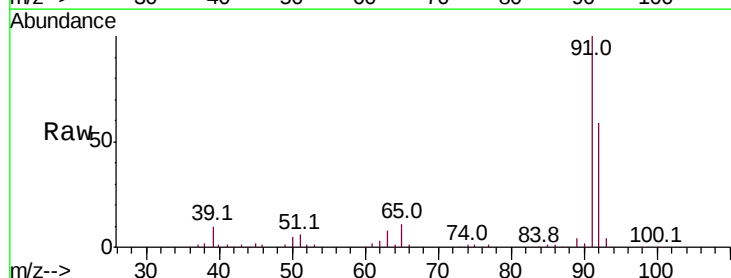
Acq: 10 Apr 2019 23:39

Tgt Ion: 92 Resp: 668093

Ion Ratio Lower Upper

92 100

91 168.3 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

300000

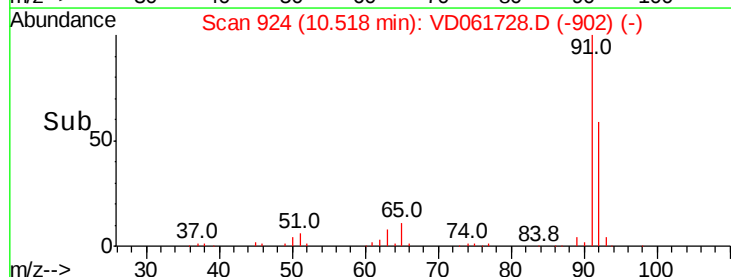
200000

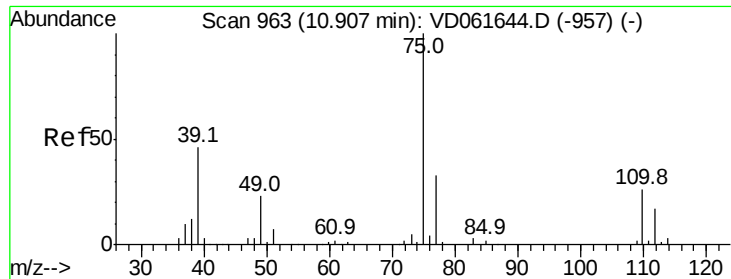
100000

0

Time-->

10.40 10.50 10.60 10.70





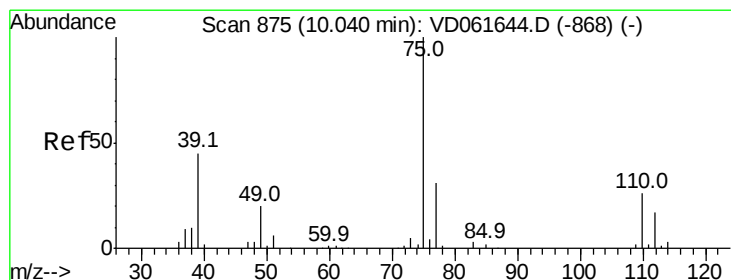
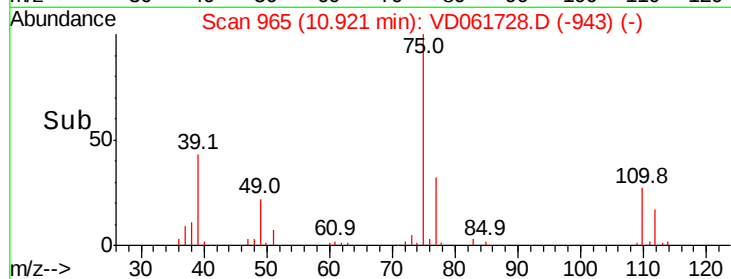
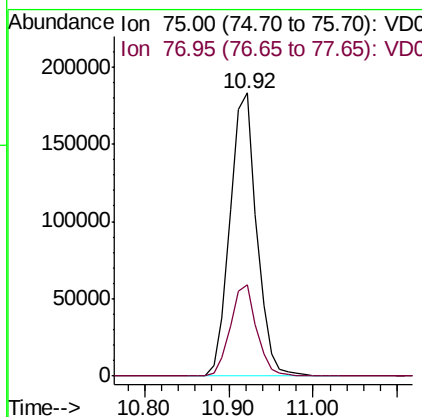
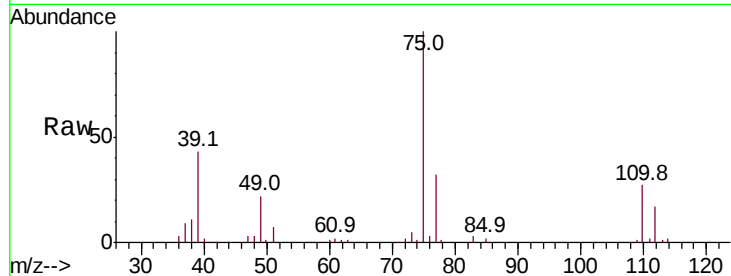
#53
 t-1,3-Dichloropropene
 Concen: 56.897 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	403915		
77	32.4		26.2	39.2

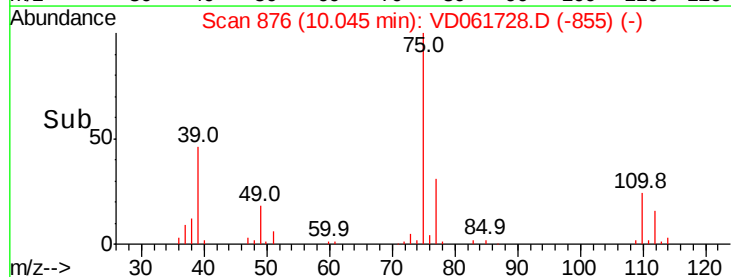
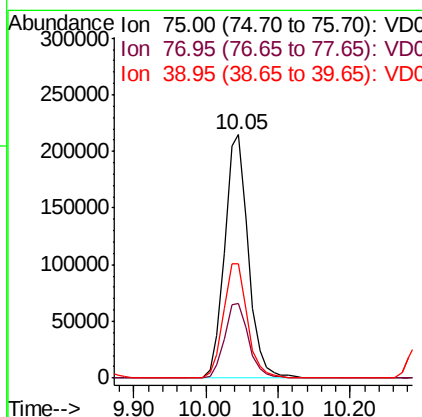
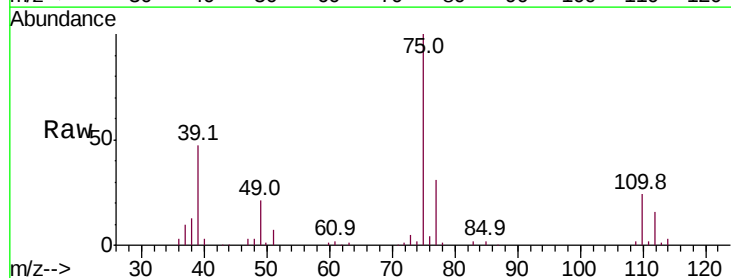
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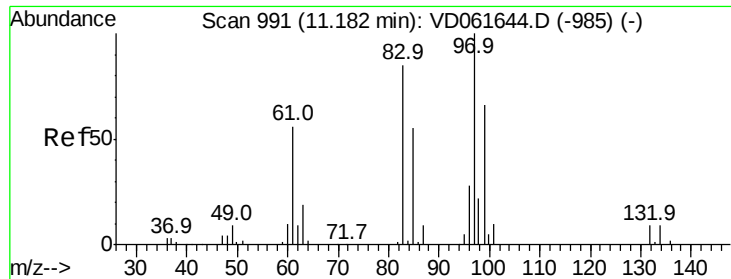
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#54
 cis-1,3-Dichloropropene
 Concen: 55.644 ug/l
 RT: 10.05 min Scan# 876
 Delta R.T. 0.00 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	486947		
77	30.9		24.6	37.0
39	47.2		36.2	54.2





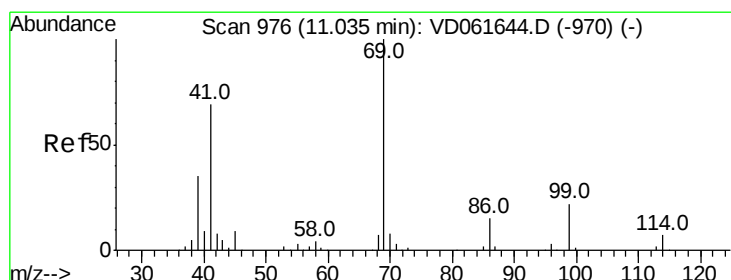
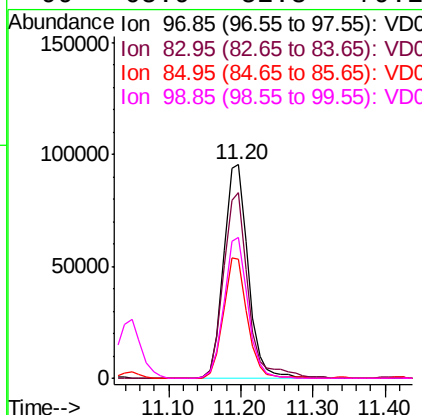
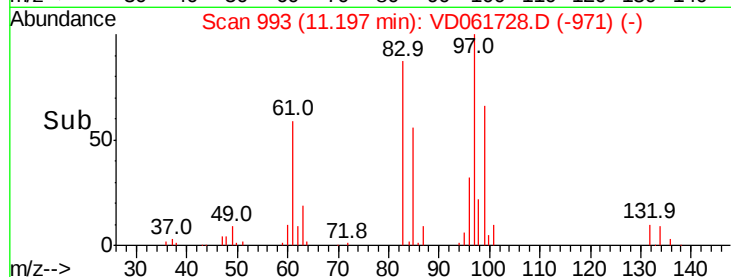
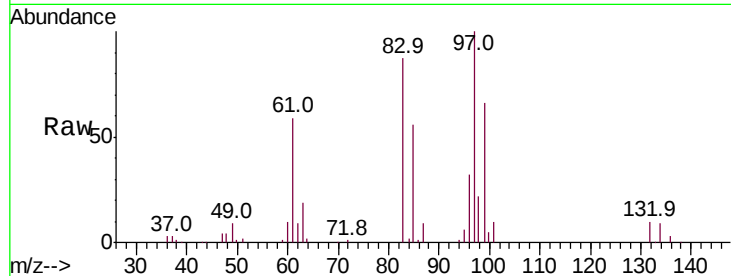
#55
 1,1,2-Trichloroethane
 Concen: 51.185 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	224266
Ion Ratio	Lower	Upper	
97	100		
83	86.6	67.8	101.6
85	55.5	43.8	65.8
99	65.9	52.8	79.2

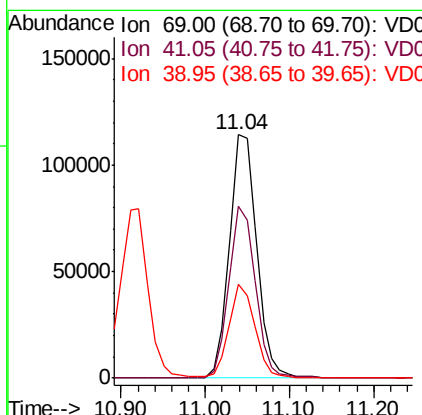
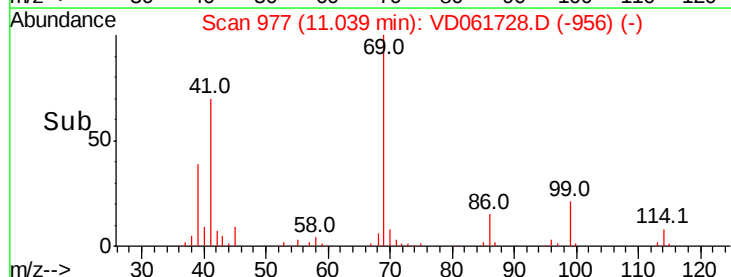
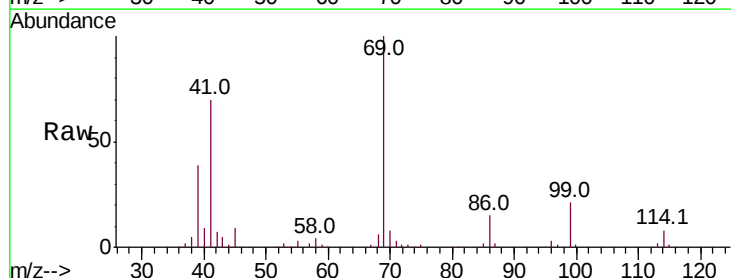
Manual Integrations
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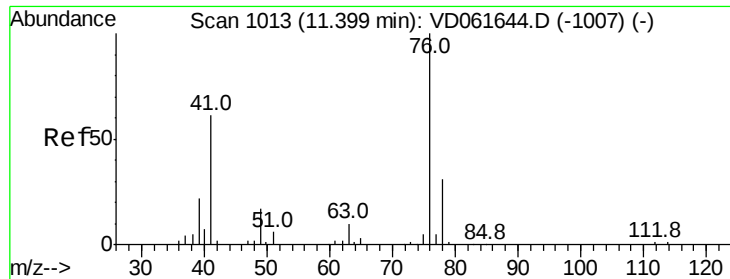
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#56
 Ethyl methacrylate
 Concen: 56.128 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Tgt Ion	69	Resp	259436
Ion Ratio	Lower	Upper	
69	100		
41	70.4	55.2	82.8
39	38.7	28.6	43.0





#57

1,3-Dichloropropane

Concen: 57.209 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 367082

Ion Ratio Lower Upper

76 100

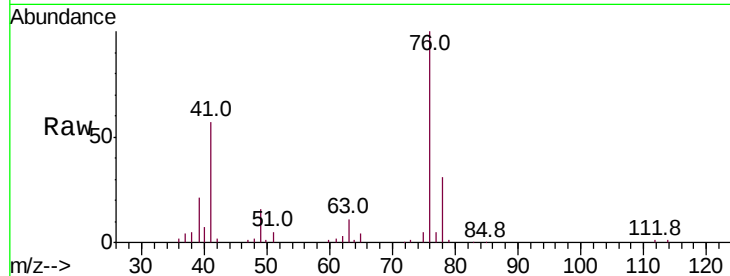
78 31.3 24.5 36.7

Manual Integrations

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

200000

150000

100000

50000

0

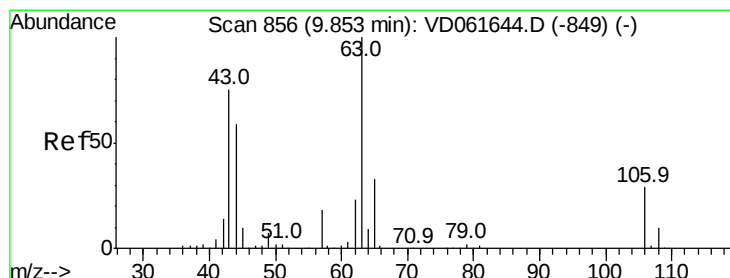
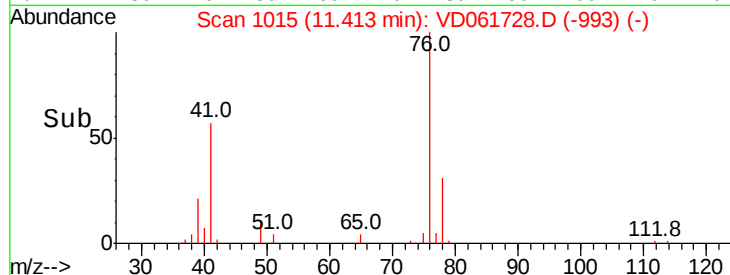
11.30

11.40

11.50

11.60

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 268.834 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.00 min

Lab File: VD061728.D

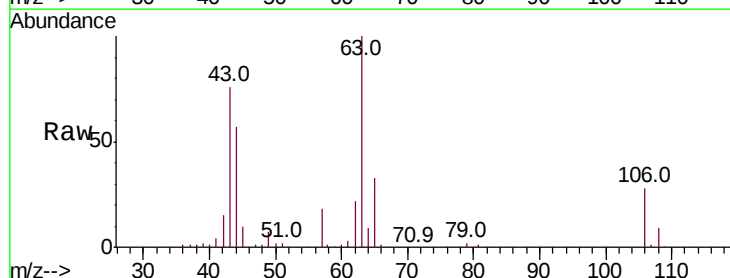
Acq: 10 Apr 2019 23:39

Tgt Ion: 63 Resp: 586319

Ion Ratio Lower Upper

63 100

106 27.7 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

250000

200000

150000

100000

50000

0

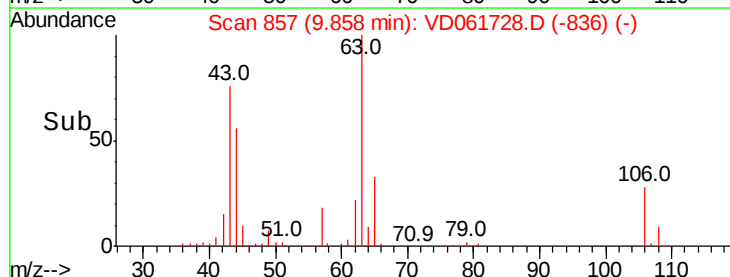
9.70

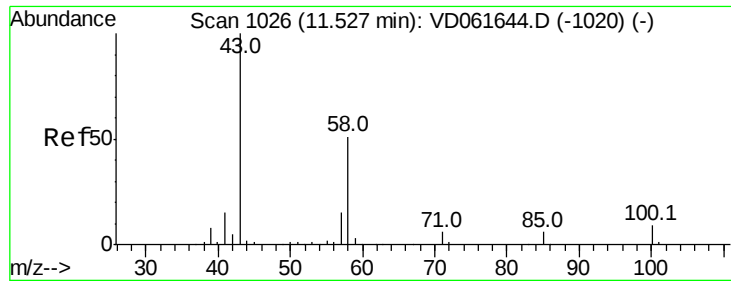
9.80

9.90

10.00

Time-->





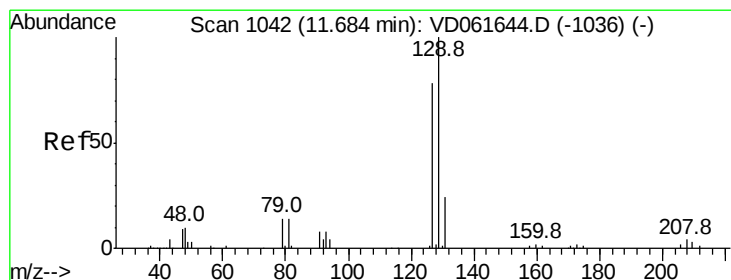
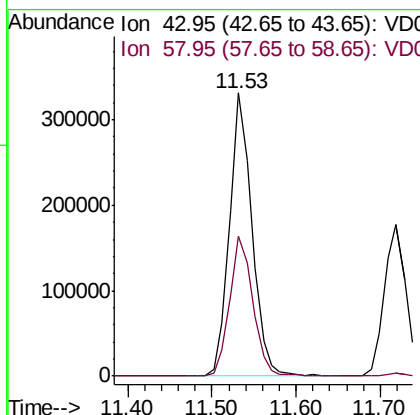
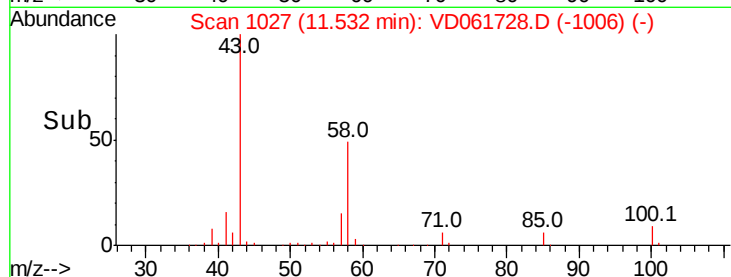
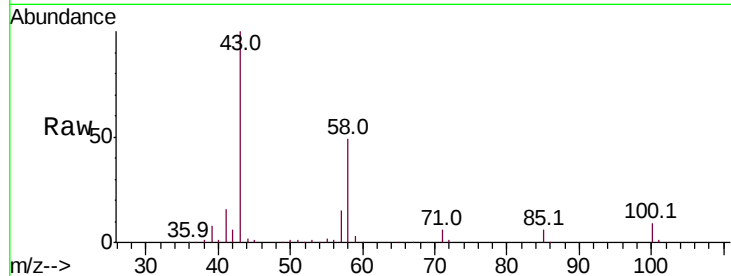
#59
2-Hexanone
Concen: 264.163 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 618062
Ion Ratio Lower Upper
43 100
58 49.3 25.6 76.8

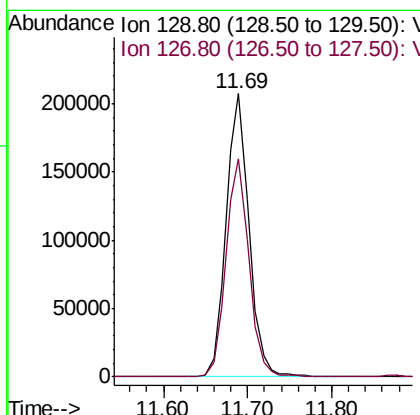
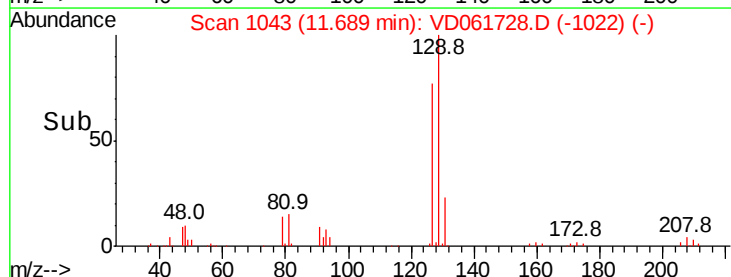
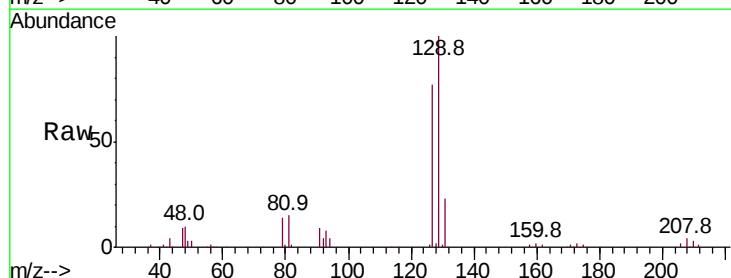
Manual Integrations
APPROVED

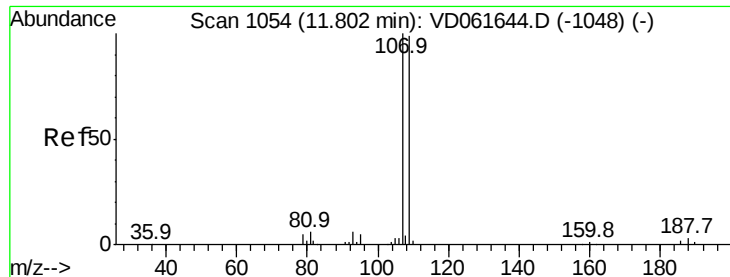
MMDadoda
4/11/2019 11:45:48 AM



#60
Dibromochloromethane
Concen: 56.327 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion: 129 Resp: 389918
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.4





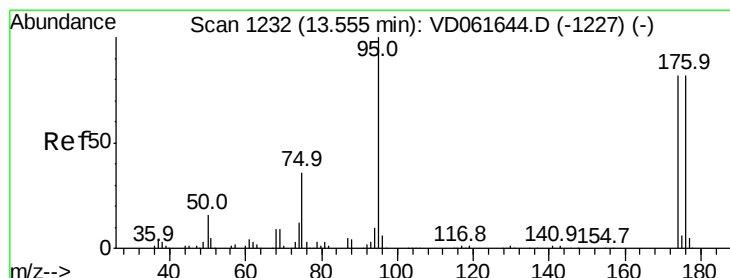
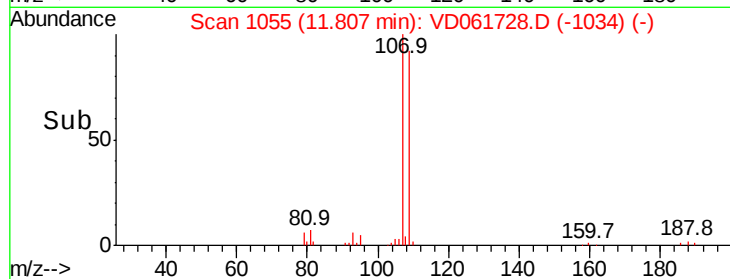
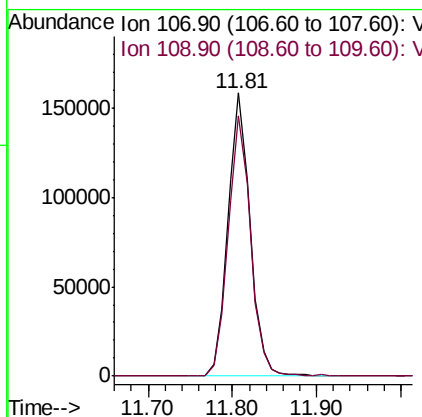
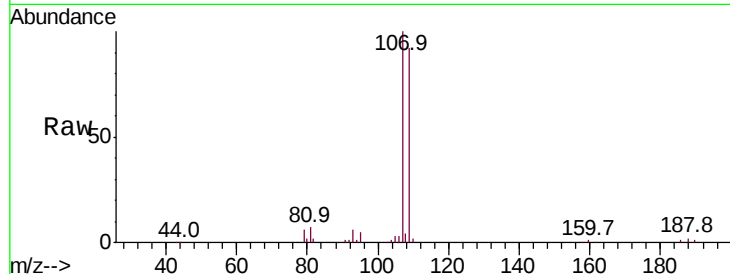
#61
1,2-Dibromoethane
Concen: 56.324 ug/l
RT: 11.81 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	288610		
109	92.0	79.2	118.8	

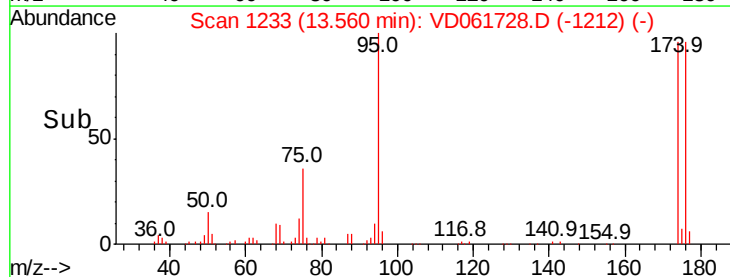
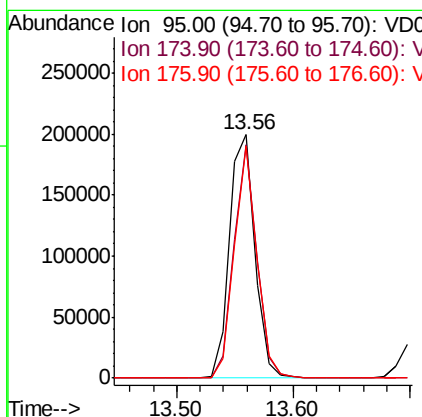
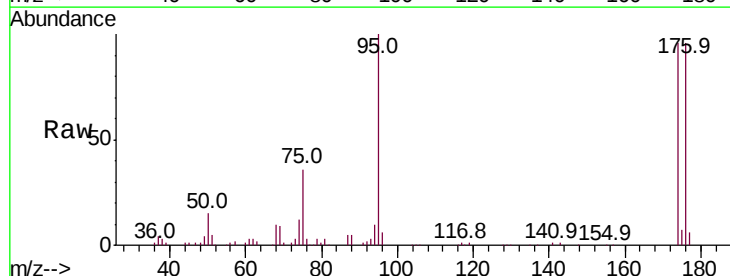
Manual Integrations
APPROVED

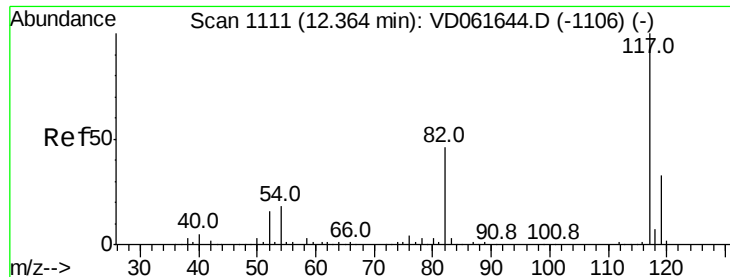
MMDadoda
4/11/2019 11:45:48 AM



#62
4-Bromofluorobenzene
Concen: 56.324 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	301536		
174	96.0	0.0	164.6	
176	95.5	0.0	165.0	





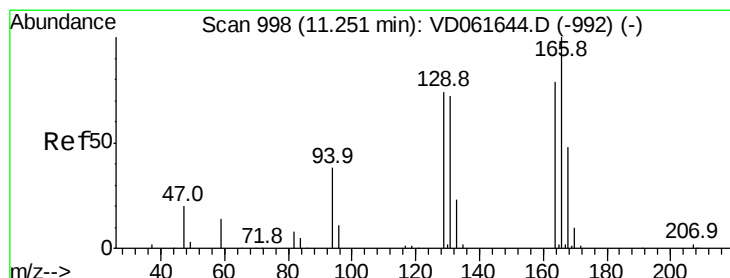
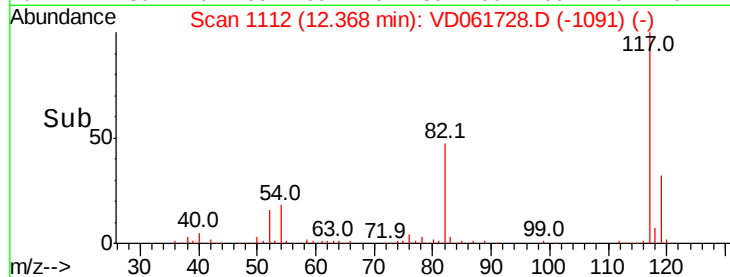
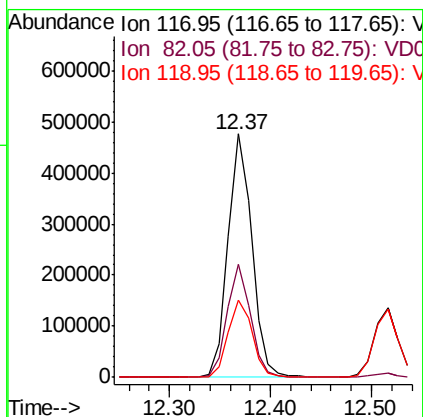
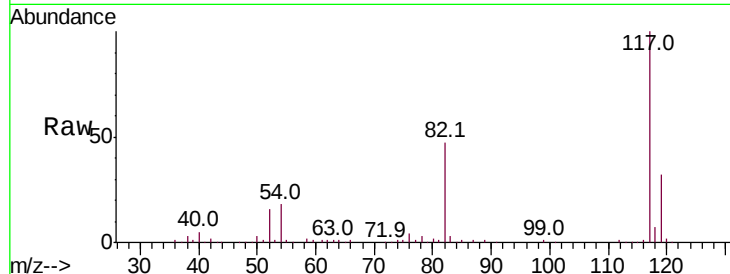
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	46.5	36.8	55.2
119	31.8	26.1	39.1

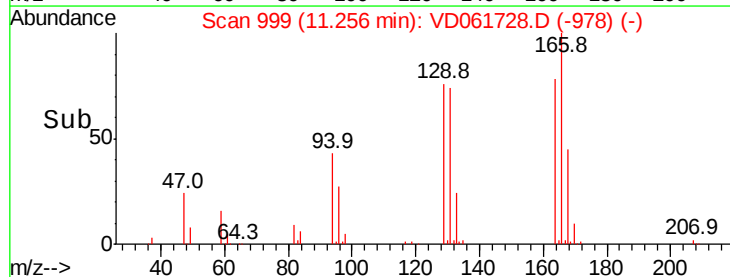
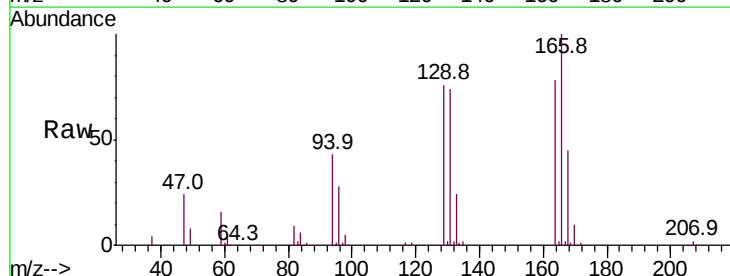
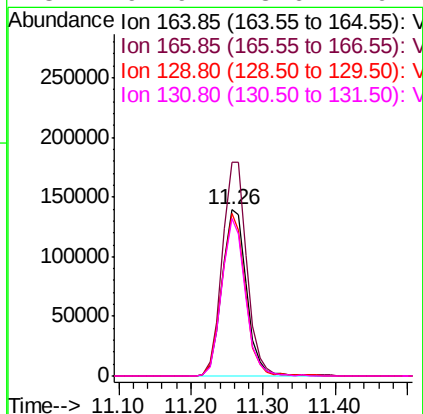
Manual Integrations
APPROVED

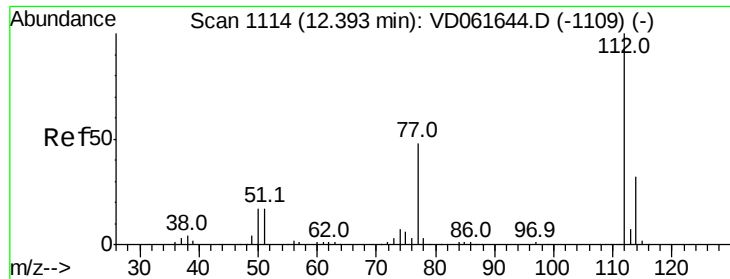
MMDadoda
4/11/2019 11:45:48 AM



#64
Tetrachloroethene
Concen: 53.466 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.8	152.8
129	98.0	75.4	113.0
131	94.9	73.6	110.4





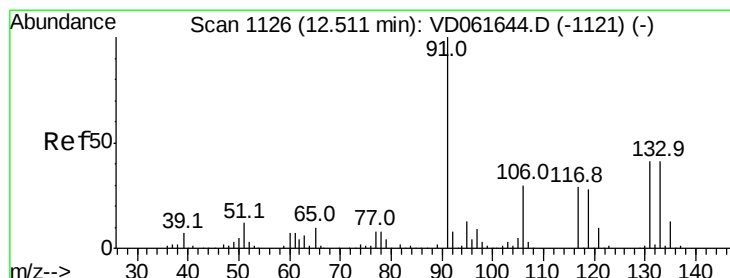
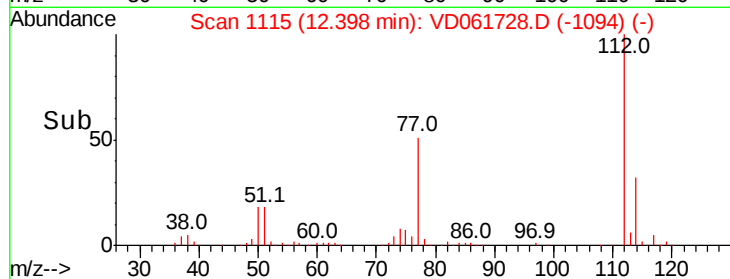
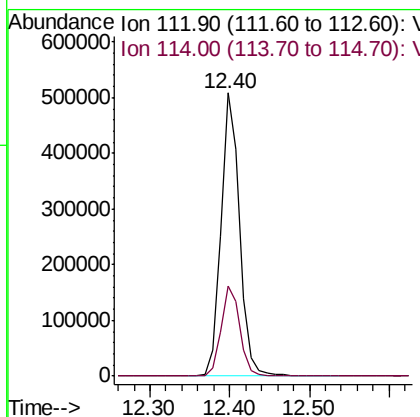
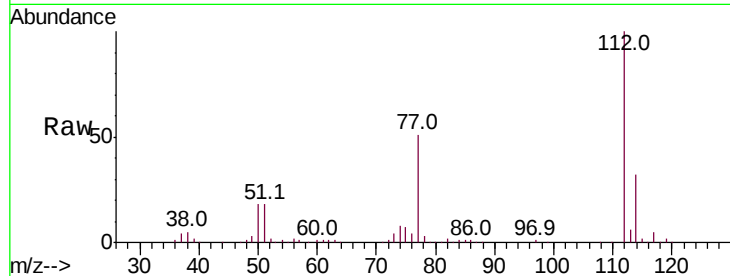
#65
Chlorobenzene
Concen: 53.652 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 833593
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

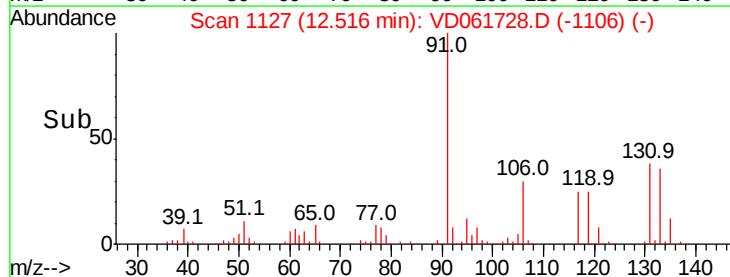
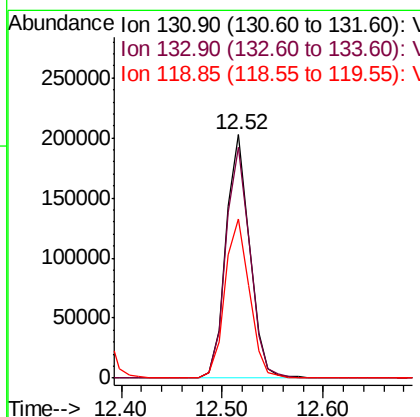
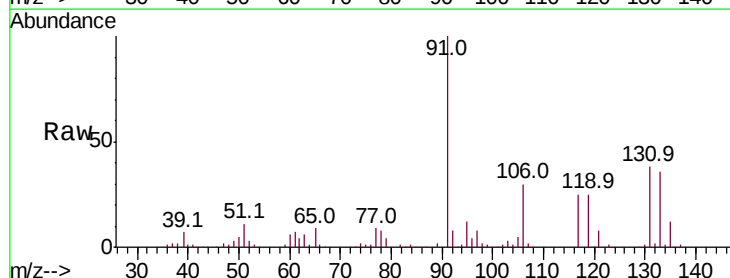
Manual Integrations
APPROVED

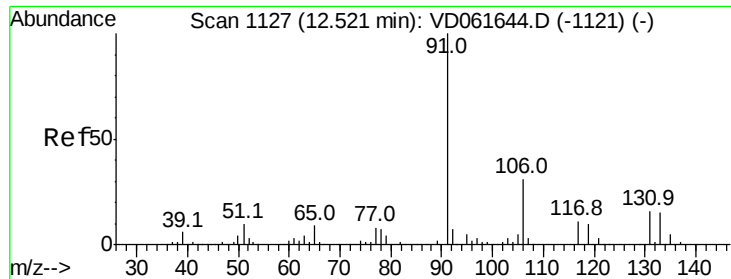
MMDadoda
4/11/2019 11:45:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.297 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion:131 Resp: 330602
Ion Ratio Lower Upper
131 100
133 94.9 49.5 148.3
119 65.6 34.7 104.1





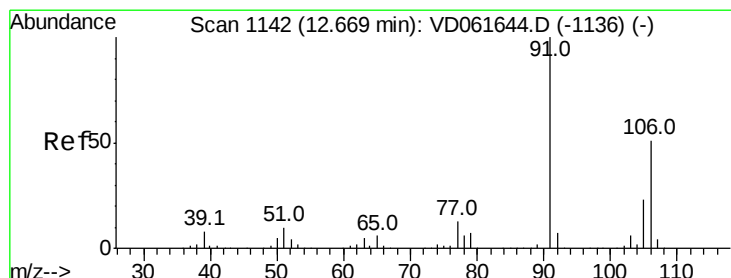
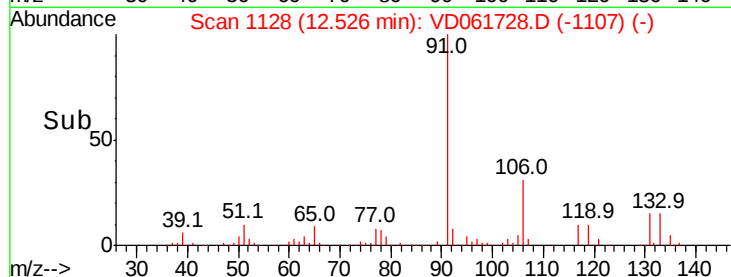
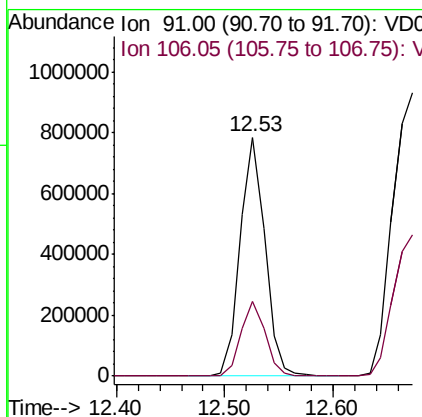
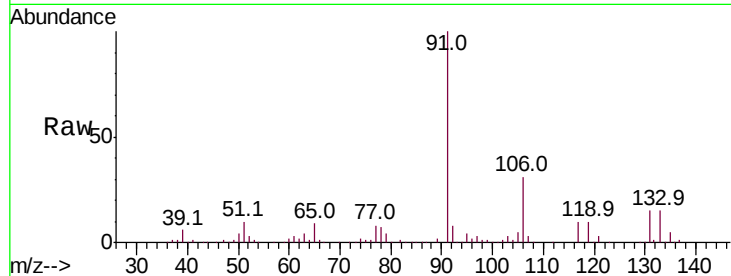
#67
Ethyl Benzene
Concen: 53.275 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 1260460
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0

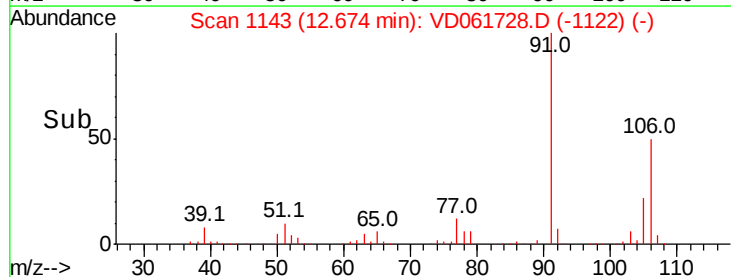
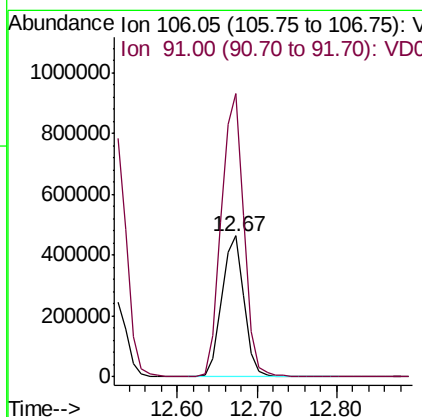
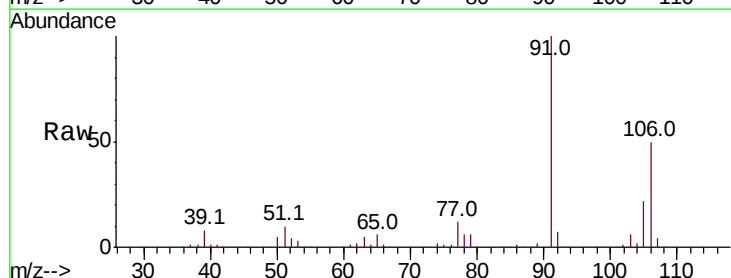
Manual Integrations
APPROVED

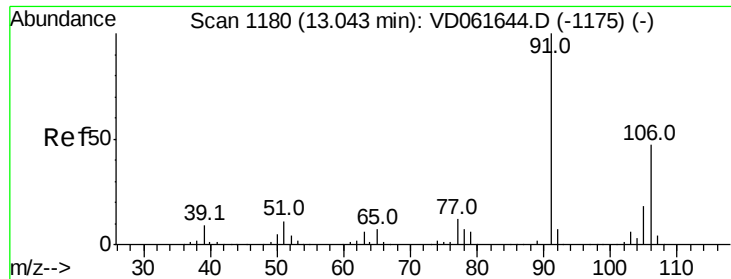
MMDadoda
4/11/2019 11:45:48 AM



#68
m/p-Xylenes
Concen: 100.220 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion:106 Resp: 914135
Ion Ratio Lower Upper
106 100
91 200.9 156.7 235.1





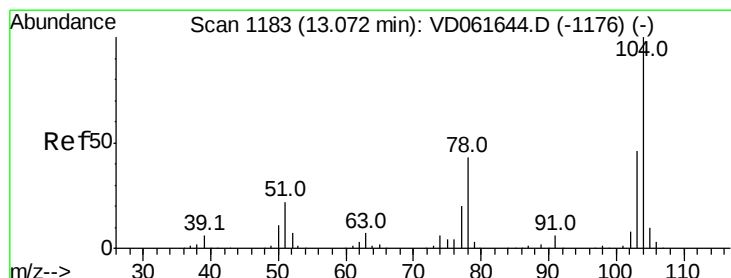
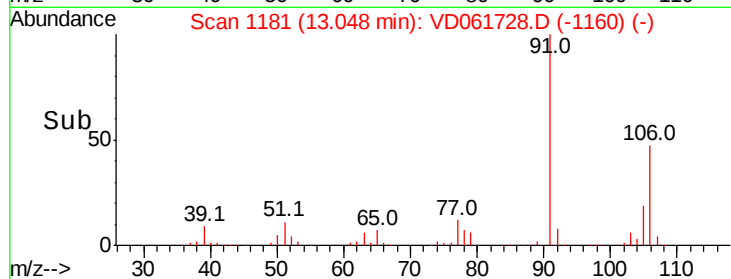
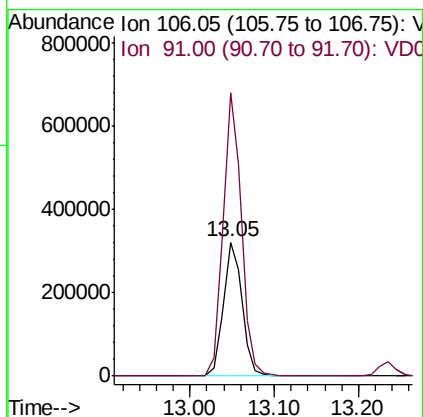
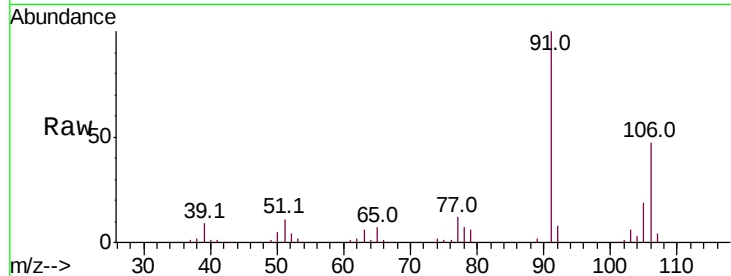
#69
o-Xylene
Concen: 55.930 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 492455
Ion Ratio Lower Upper
106 100
91 211.8 107.3 321.9

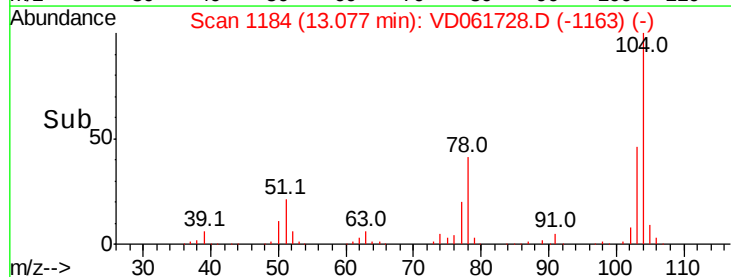
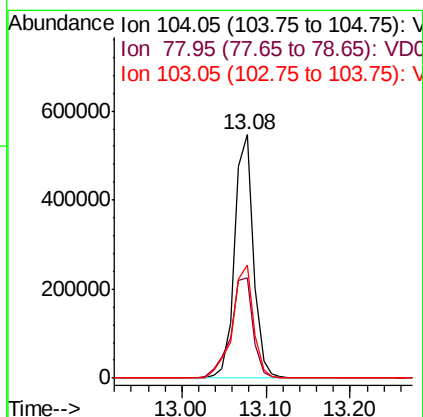
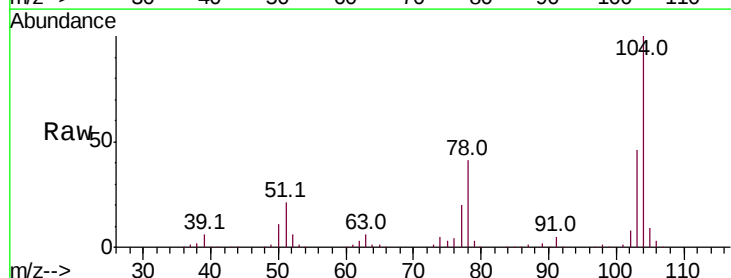
Manual Integrations
APPROVED

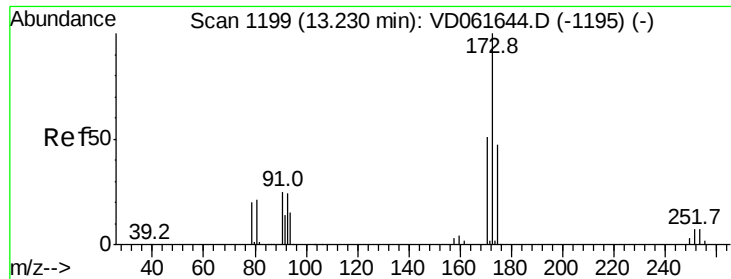
MMDadoda
4/11/2019 11:45:48 AM



#70
Styrene
Concen: 56.137 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion:104 Resp: 844112
Ion Ratio Lower Upper
104 100
78 41.0 34.2 51.4
103 46.3 37.2 55.8





#71

Bromoform

Concen: 57.945 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 214949

Ion Ratio Lower Upper

173 100

175 50.6 23.7 71.1

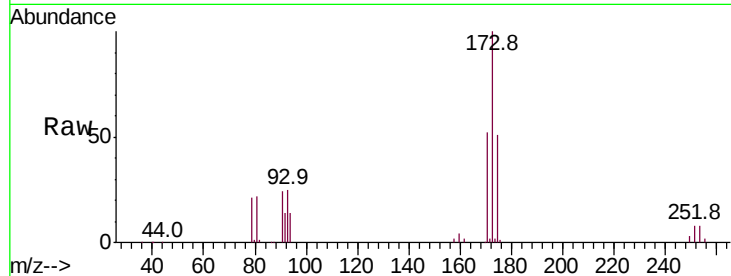
254 8.1 5.8 8.6

Manual Integrations

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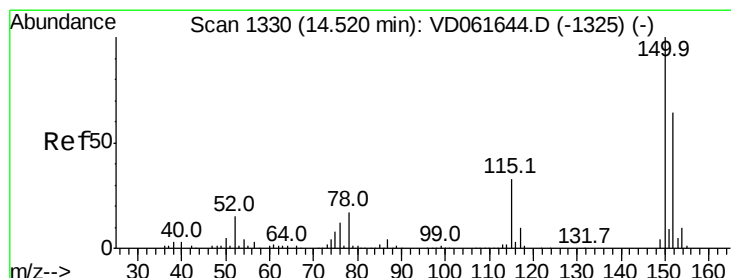
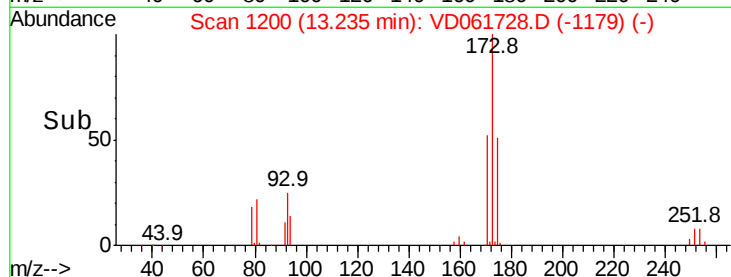
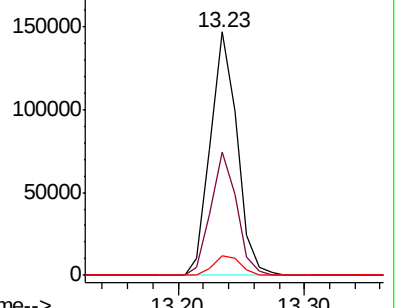
4/11/2019 11:45:48 AM



Abundance Ion 172.80 (172.50 to 173.50): V

200000 Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

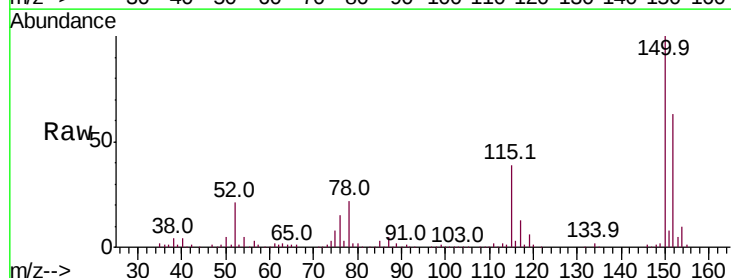
Tgt Ion:152 Resp: 349756

Ion Ratio Lower Upper

152 100

115 60.9 26.4 79.2

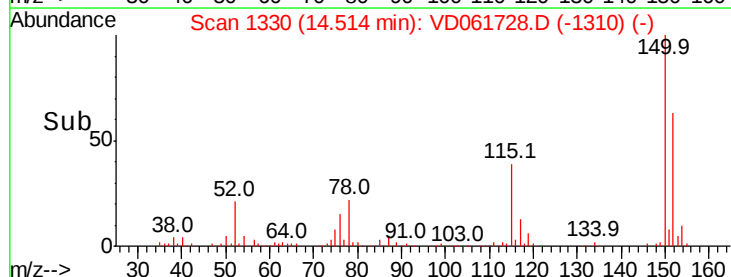
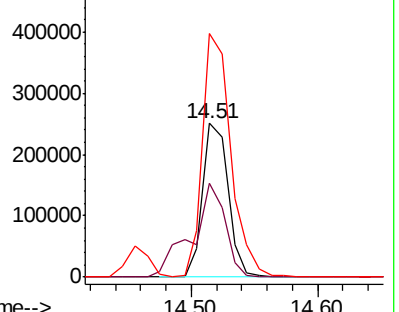
150 158.2 0.0 320.6

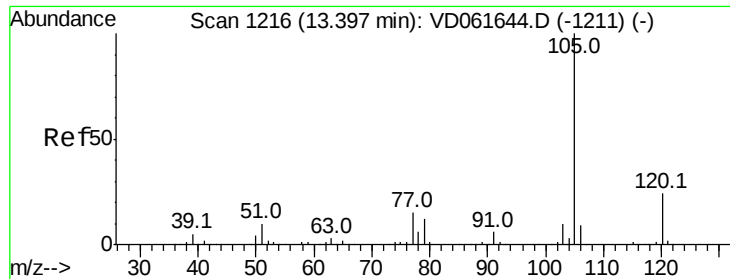


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.536 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1201013

Ion Ratio Lower Upper

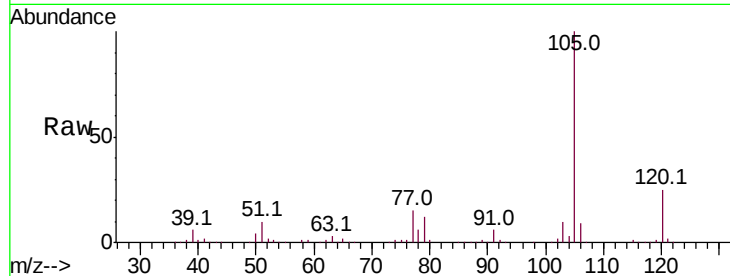
105 100

120 25.1 12.2 36.4

Manual Integrations
APPROVED

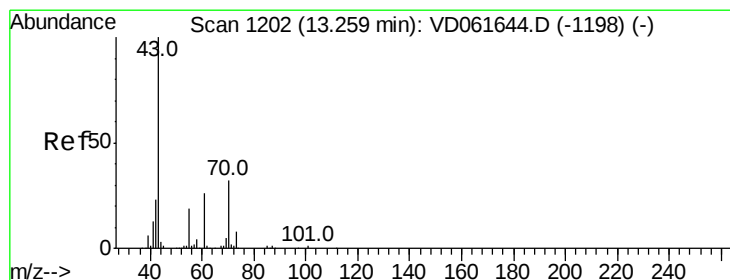
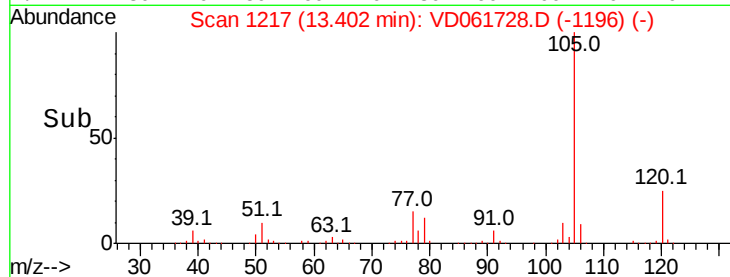
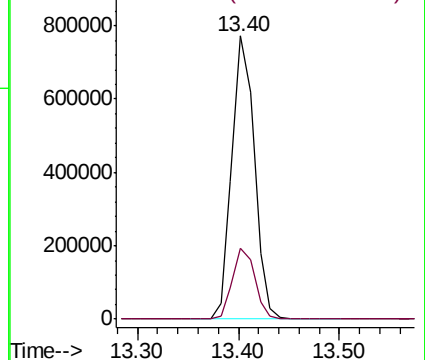
MMDadoda

4/11/2019 11:45:48 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 55.142 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Tgt Ion: 43 Resp: 349155

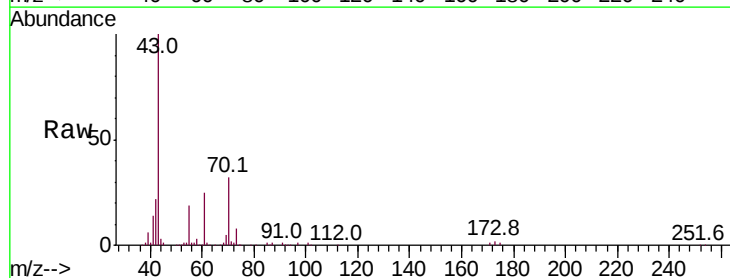
Ion Ratio Lower Upper

43 100

70 31.6 25.4 38.2

55 19.4 15.0 22.4

61 25.1 20.9 31.3

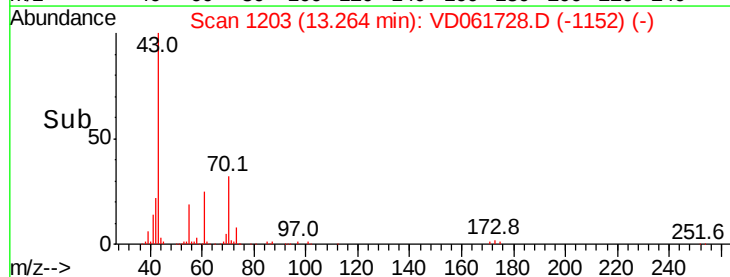
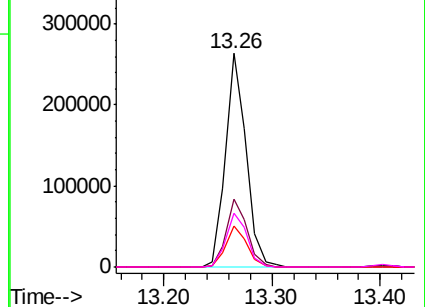


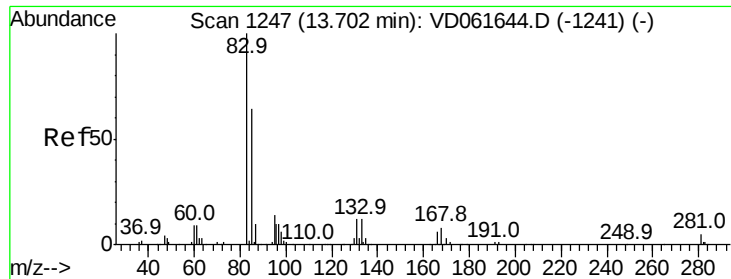
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 56.979 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 274562

Ion Ratio Lower Upper

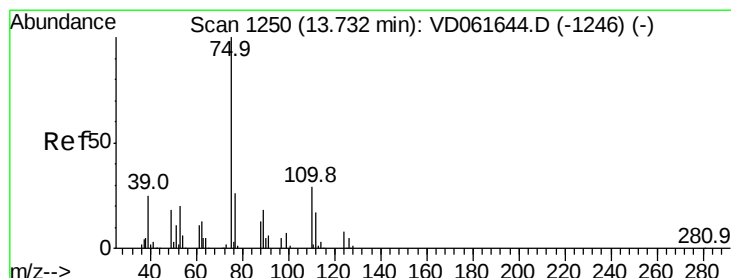
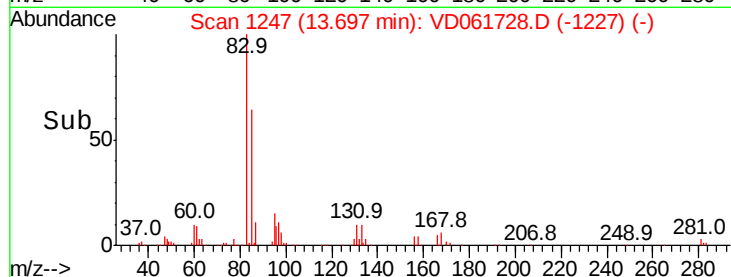
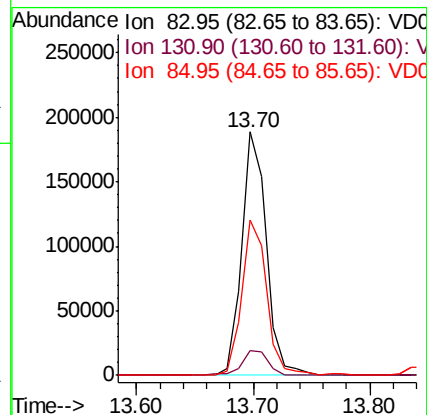
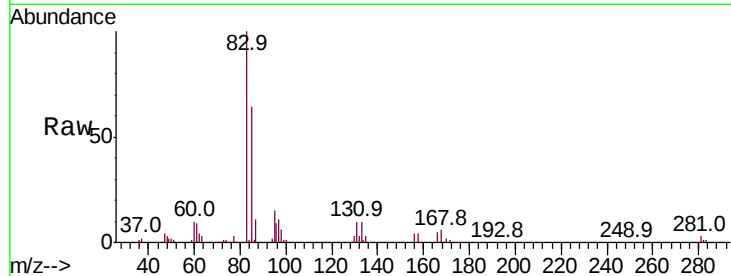
83 100

131 10.4 5.9 17.6

85 64.0 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 58.687 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VD061728.D

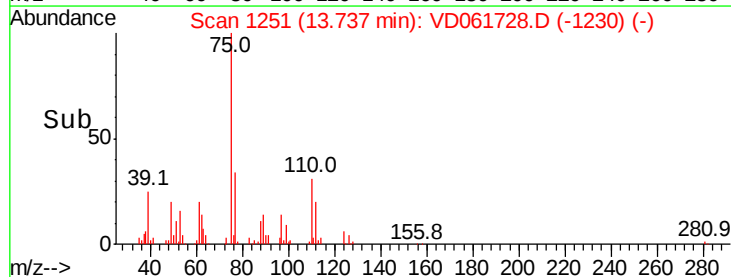
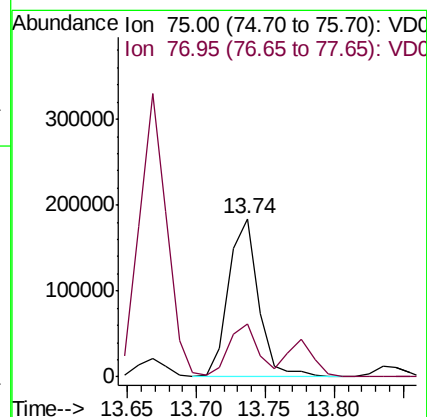
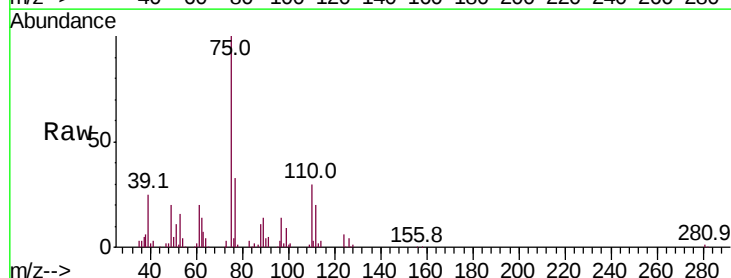
Acq: 10 Apr 2019 23:39

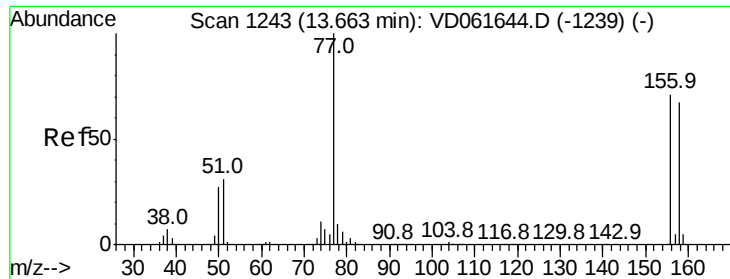
Tgt Ion: 75 Resp: 279259

Ion Ratio Lower Upper

75 100

77 33.3 15.7 47.1





#77

Bromobenzene

Concen: 54.602 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 369355

Ion Ratio Lower Upper

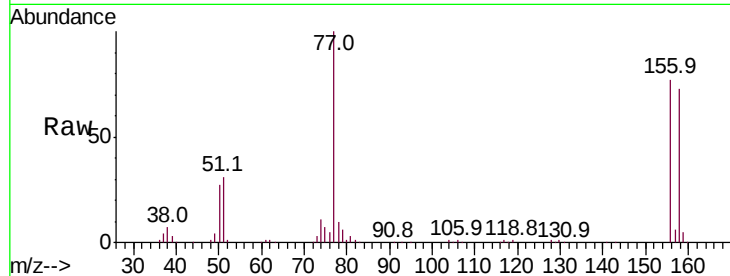
156 100

77 129.8 70.3 210.8

158 94.6 47.4 142.2

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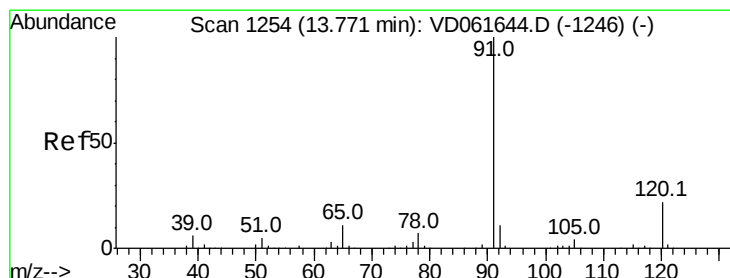
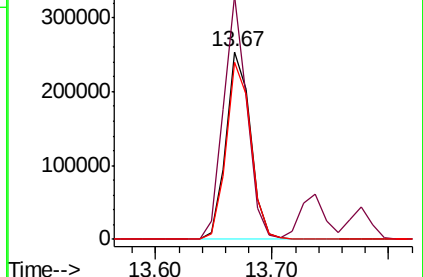
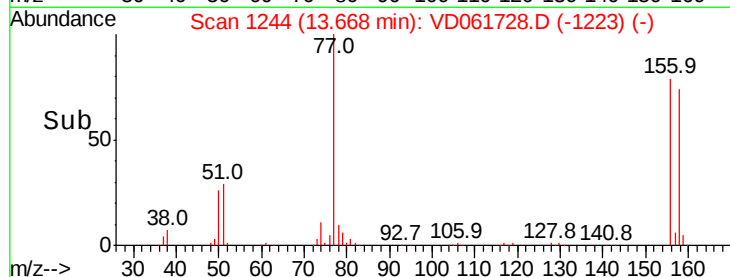
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 54.934 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD061728.D

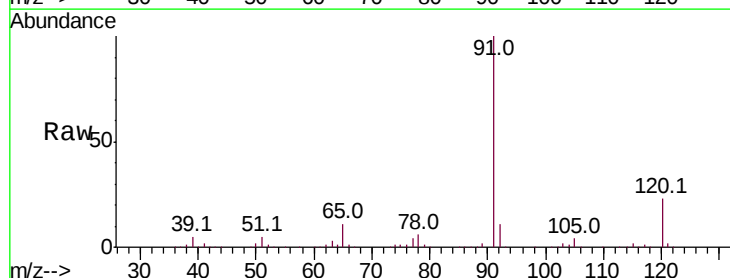
Acq: 10 Apr 2019 23:39

Tgt Ion: 91 Resp: 1531408

Ion Ratio Lower Upper

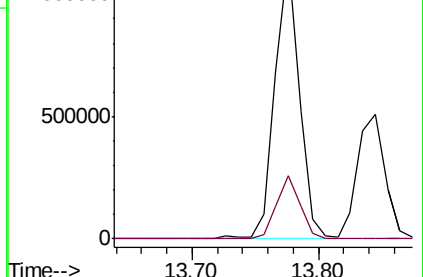
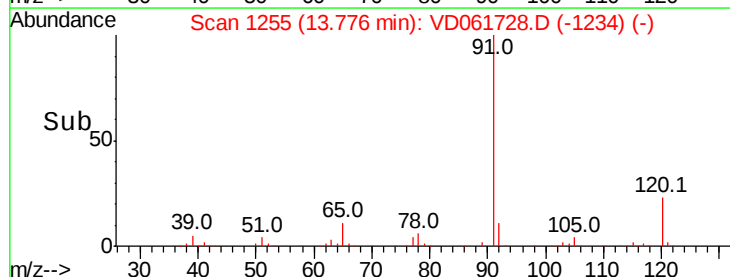
91 100

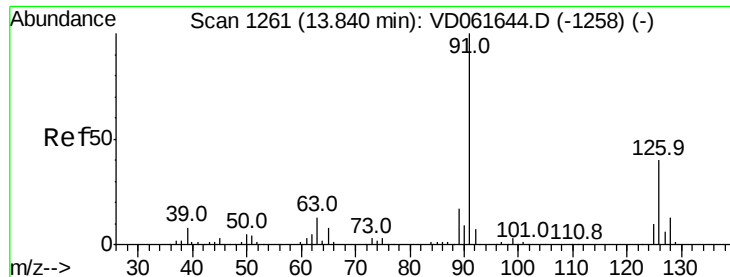
120 22.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 47.962 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 764588

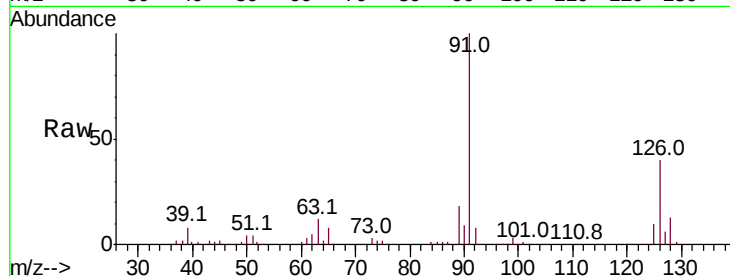
Ion Ratio Lower Upper

91 100

126 39.7 20.0 59.9

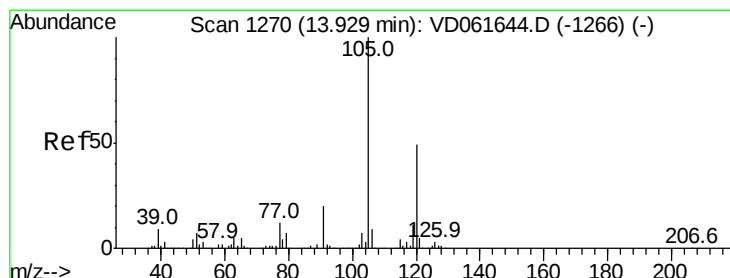
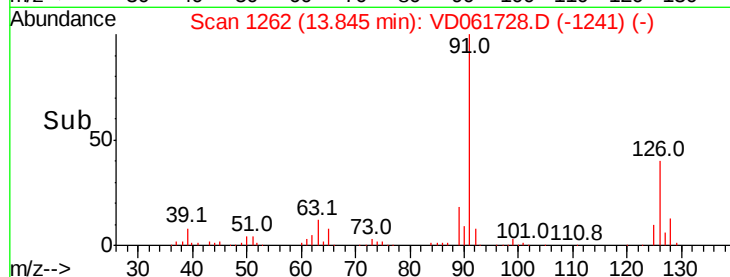
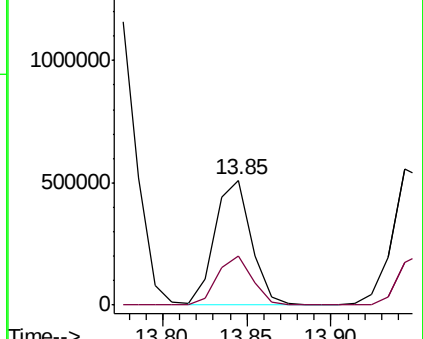
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 50.167 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD061728.D

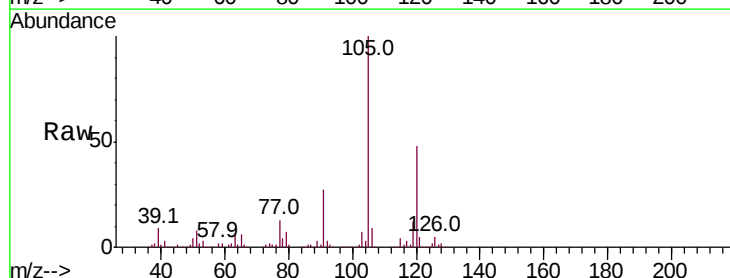
Acq: 10 Apr 2019 23:39

Tgt Ion: 105 Resp: 927951

Ion Ratio Lower Upper

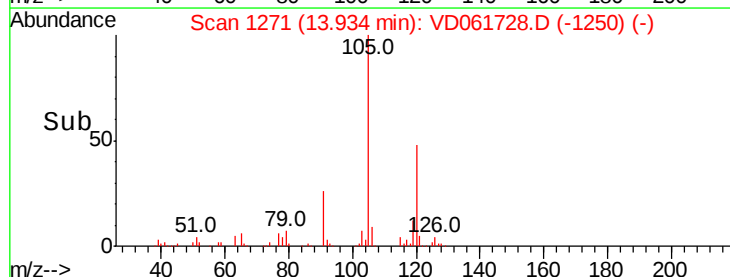
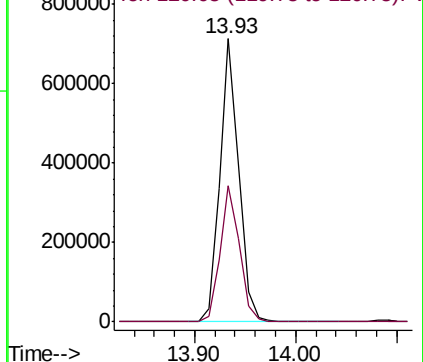
105 100

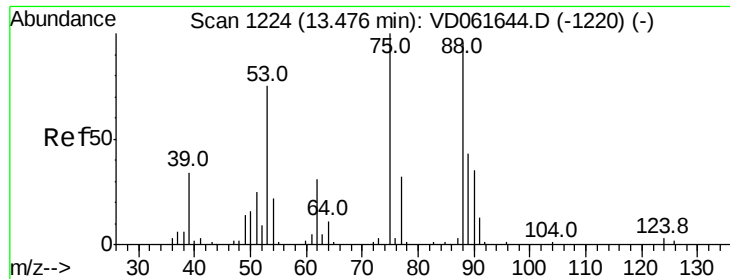
120 48.2 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





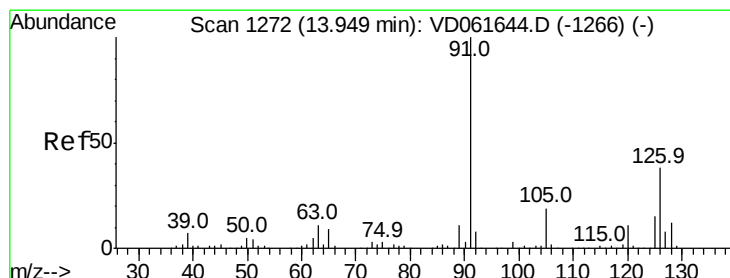
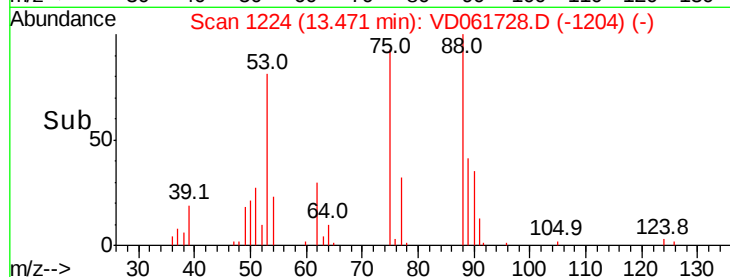
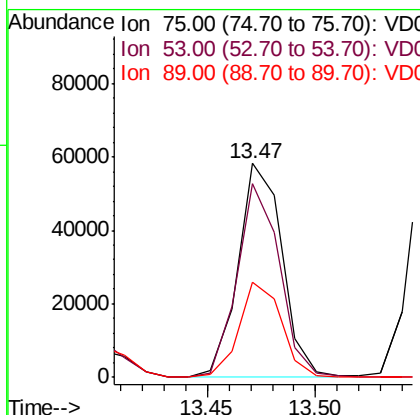
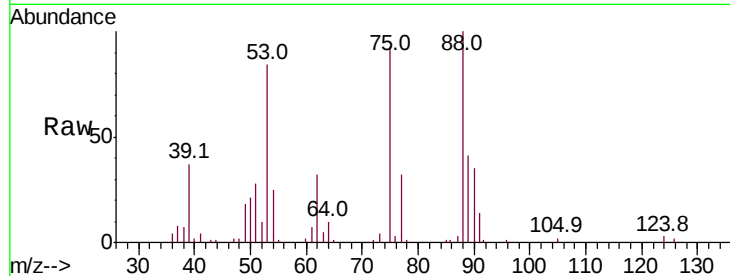
#81
trans-1,4-Dichloro-2-butene
Concen: 57.560 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.3	60.2	90.2#
89	44.5	34.2	51.2

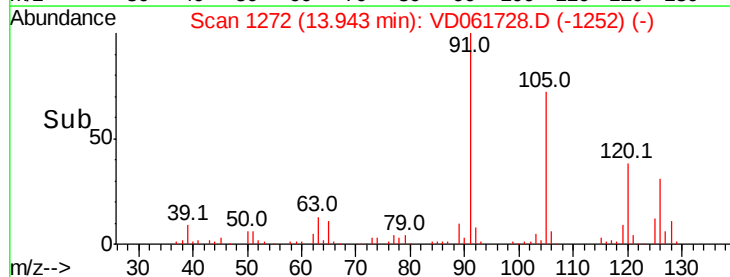
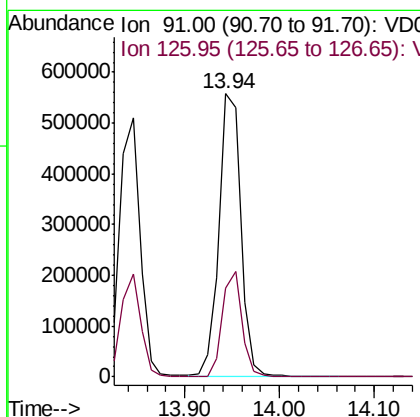
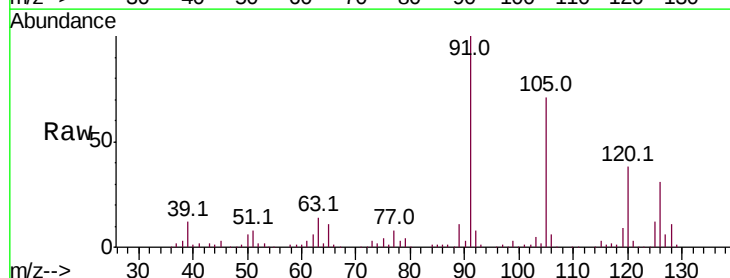
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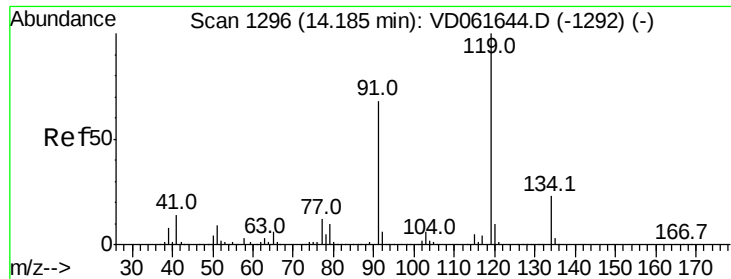
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#82
4-Chlorotoluene
Concen: 50.980 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	19.0	57.0





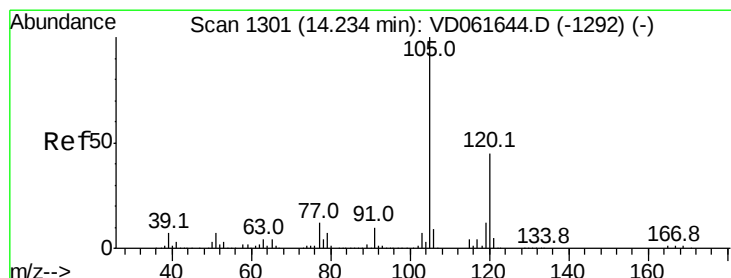
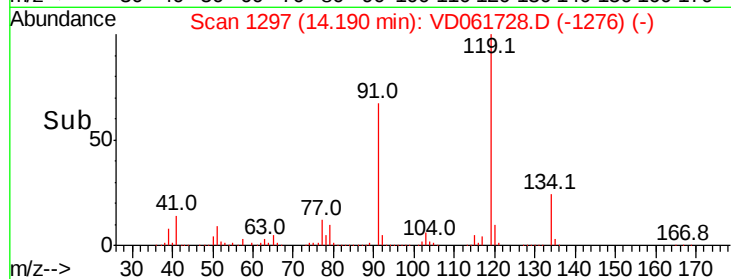
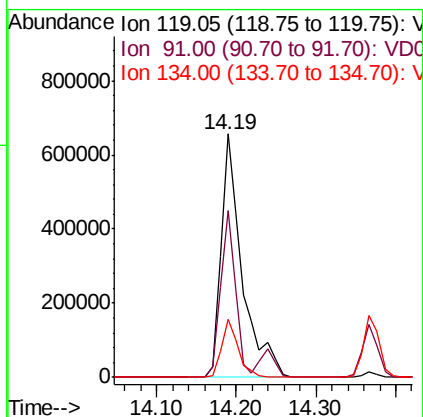
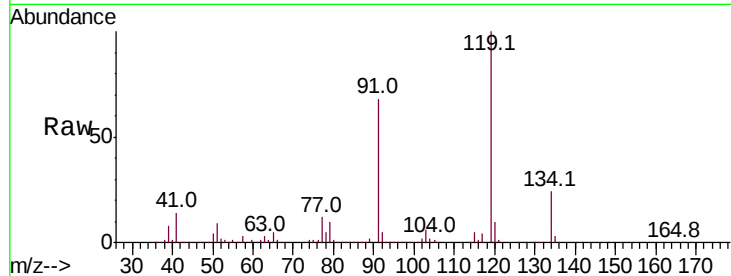
#83
 tert-Butylbenzene
 Concen: 54.608 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.00 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1217881
 Ion Ratio Lower Upper
 119 100
 91 68.3 33.9 101.6
 134 24.1 11.6 34.8

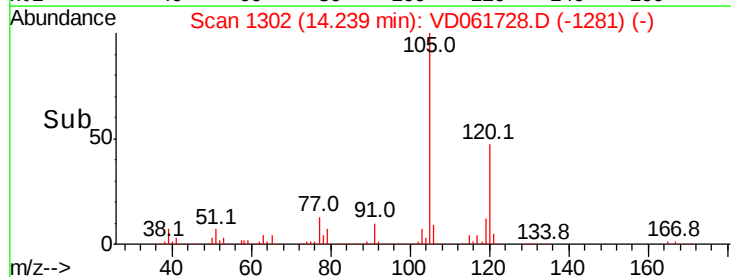
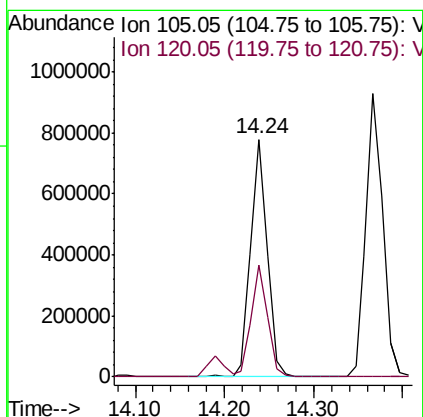
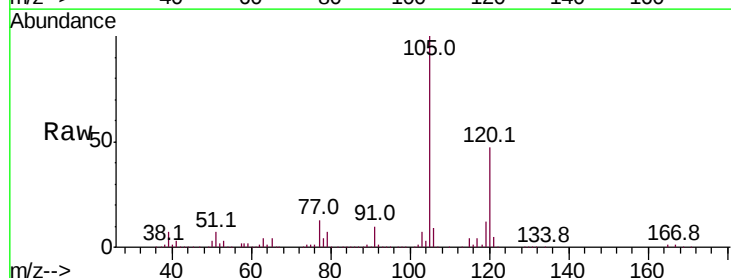
Manual Integrations
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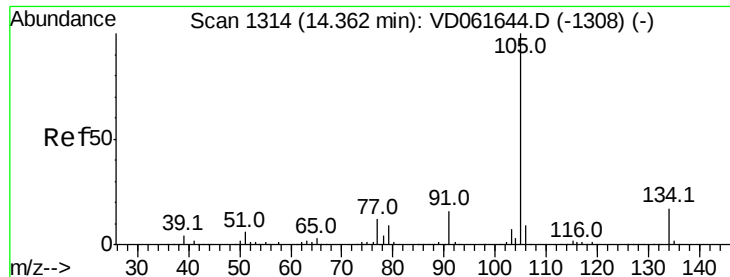
MMDadoda
 4/11/2019 11:45:48 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.569 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Tgt Ion:105 Resp: 1000051
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.6 67.8





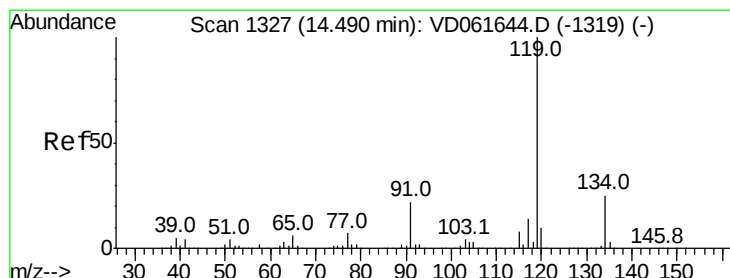
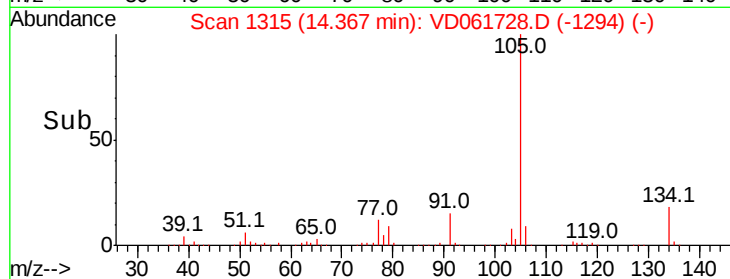
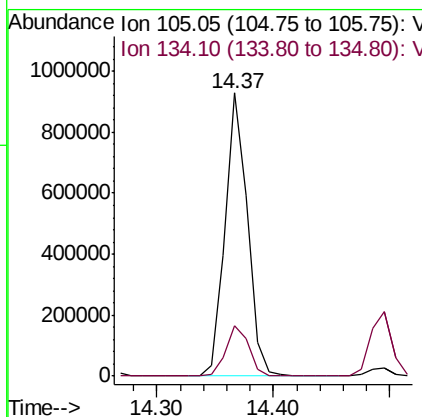
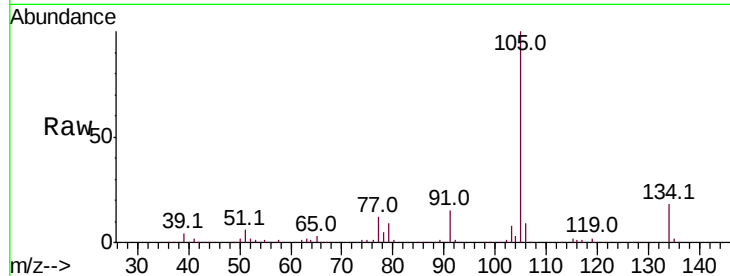
#85
 sec-Butylbenzene
 Concen: 50.956 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1227831
 Ion Ratio Lower Upper
 105 100
 134 17.9 8.6 25.7

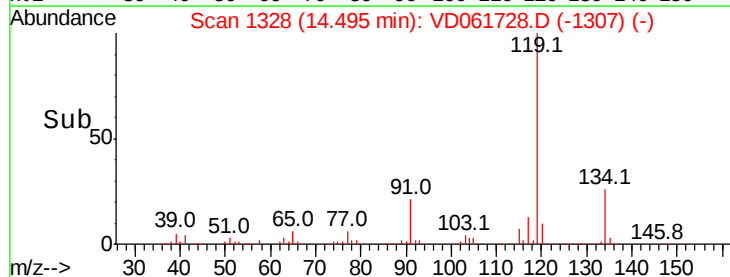
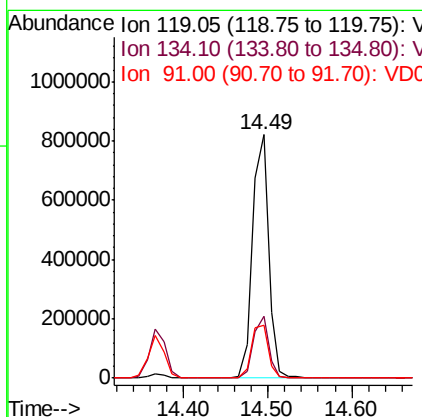
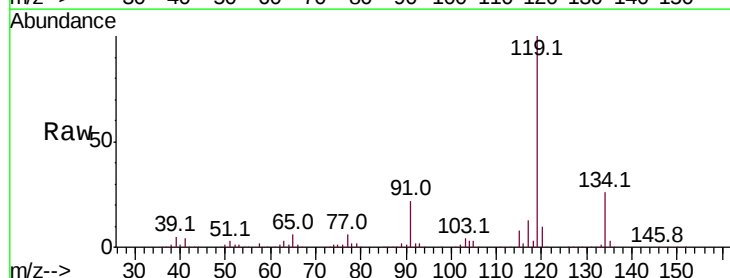
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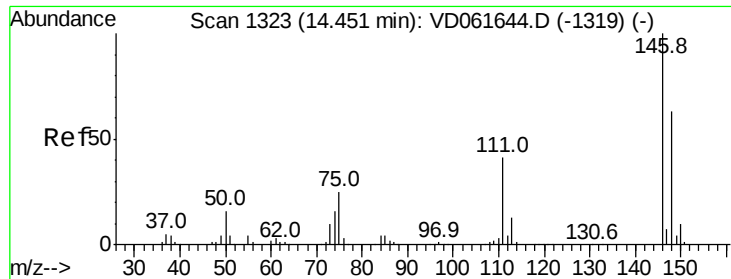
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#86
 p-Isopropyltoluene
 Concen: 53.047 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Tgt Ion:119 Resp: 1108849
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.5 37.5
 91 21.6 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 55.414 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Instrument :

MSVOA_D

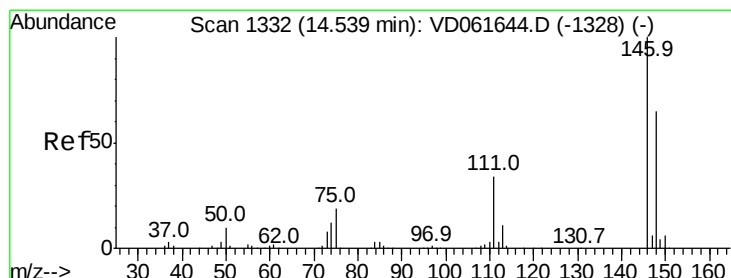
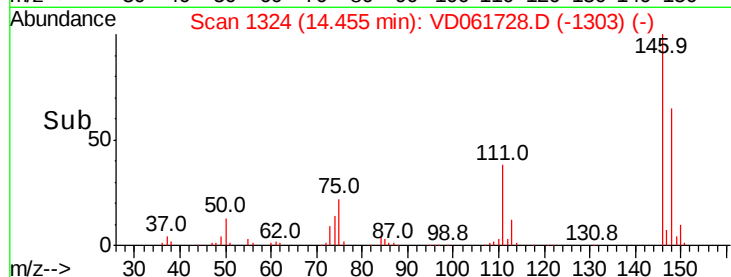
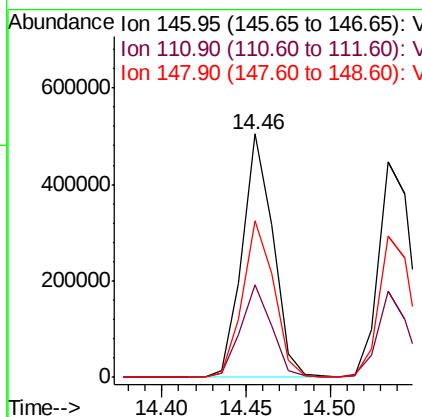
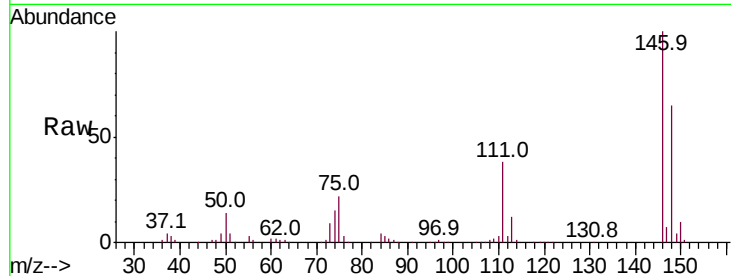
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.3	61.0
148	64.5	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 51.080 ug/l

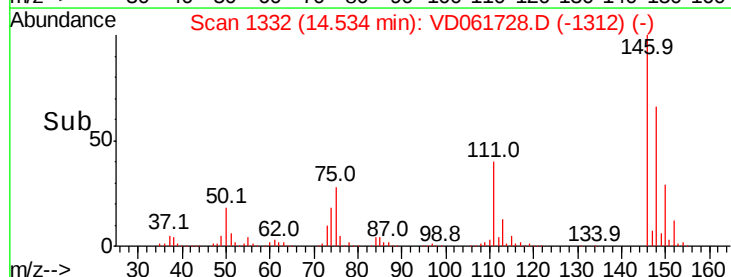
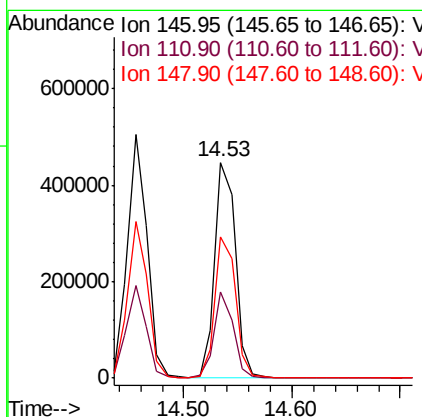
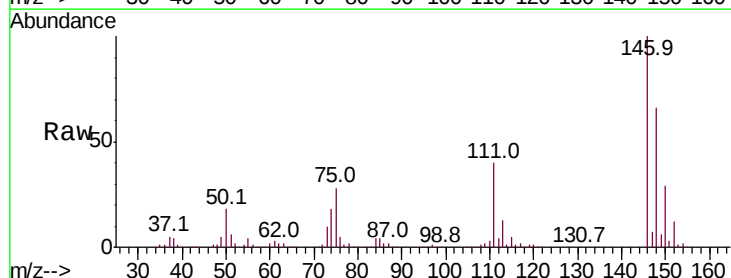
RT: 14.53 min Scan# 1332

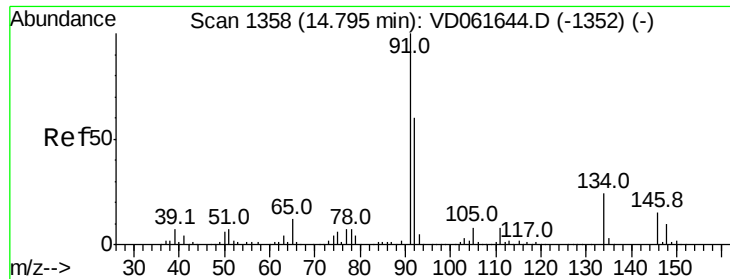
Delta R.T. -0.01 min

Lab File: VD061728.D

Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	17.1	51.2
148	65.6	32.6	97.7





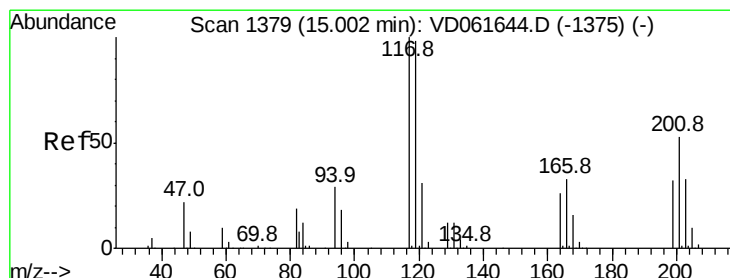
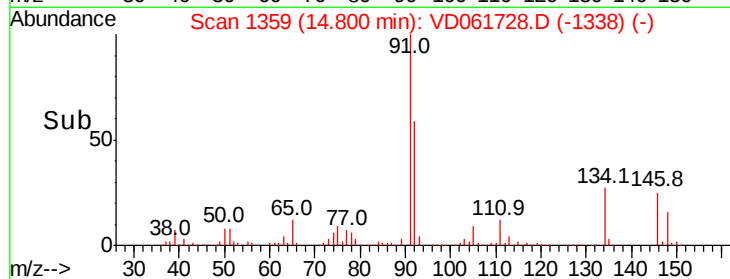
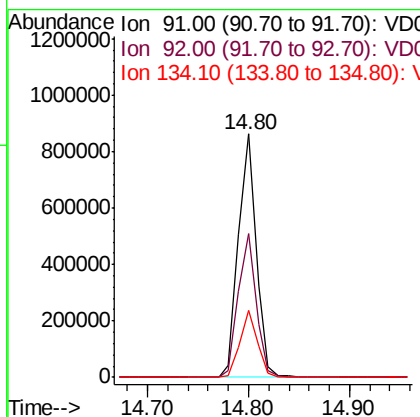
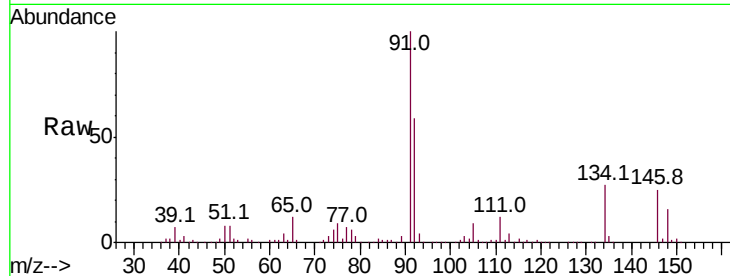
#89
n-Butylbenzene
Concen: 58.087 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.1	29.8	89.4
134	27.3	12.2	36.4

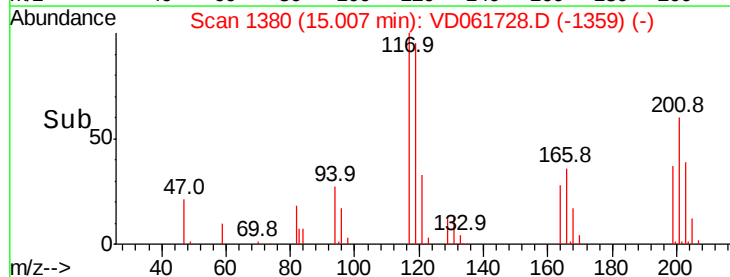
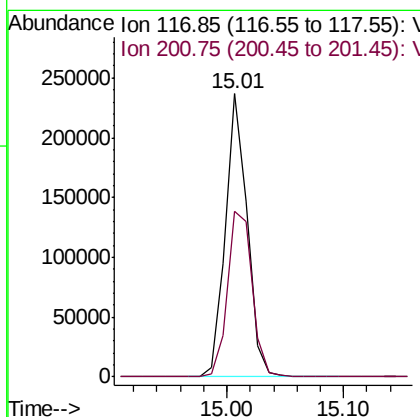
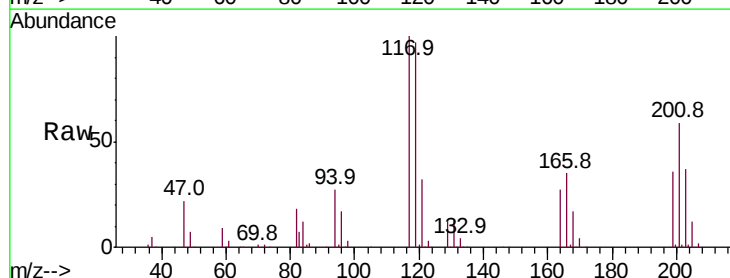
Manual Integrations
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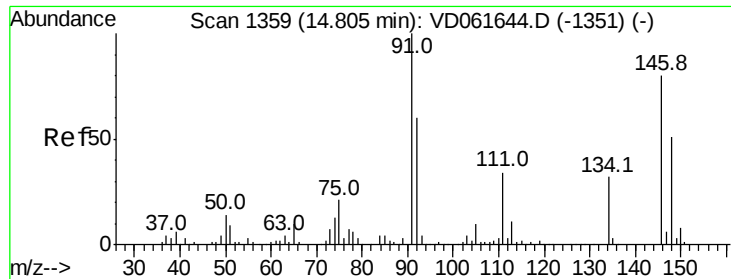
MMDadoda
4/11/2019 11:45:48 AM



#90
Hexachloroethane
Concen: 54.034 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	58.5	26.3	78.8





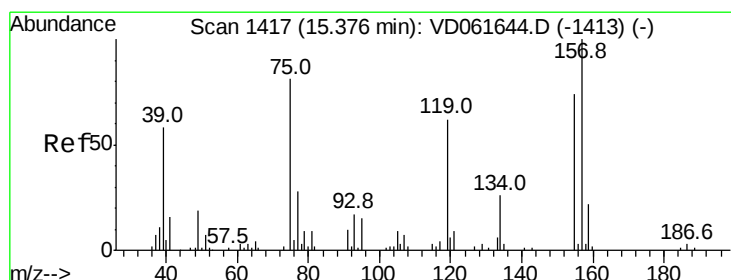
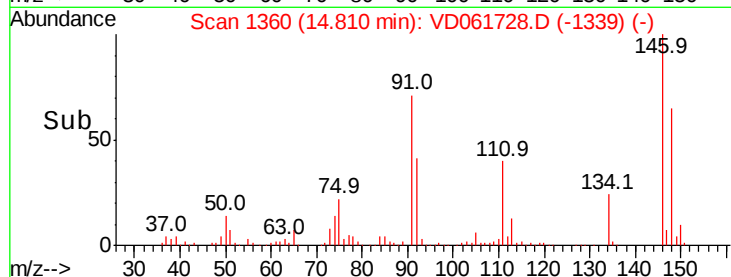
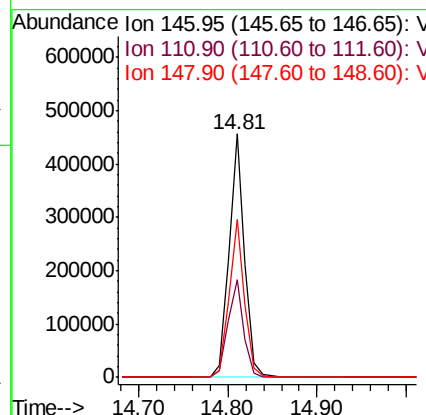
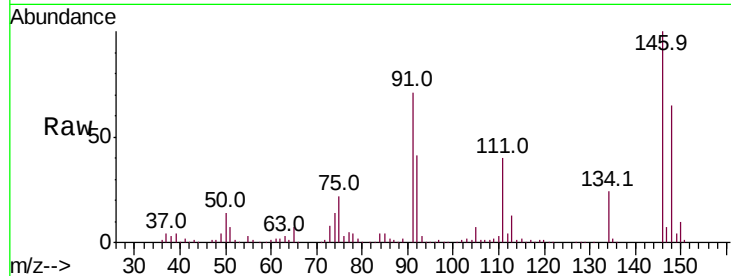
#91
 1,2-Dichlorobenzene
 Concen: 58.151 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.4	21.1	63.3	
148	64.6	31.7	95.1	

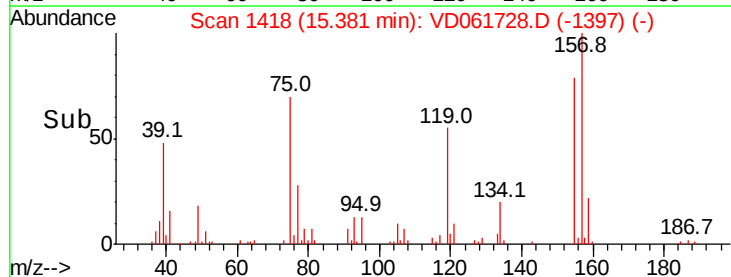
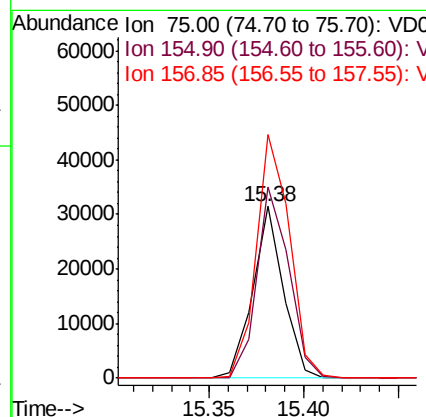
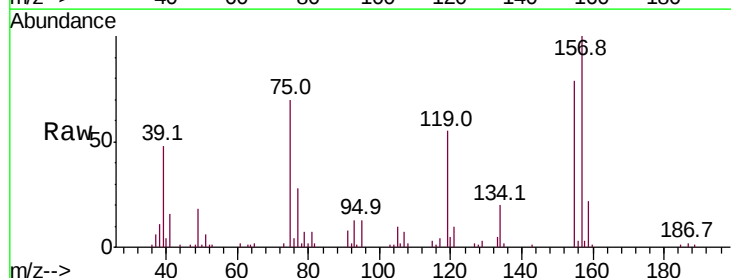
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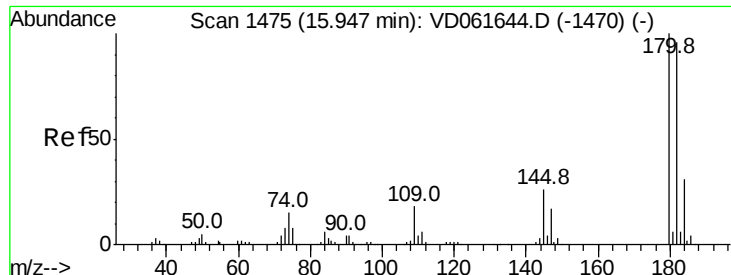
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.726 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	111.5	45.6	136.7	
157	142.1	61.4	184.2	





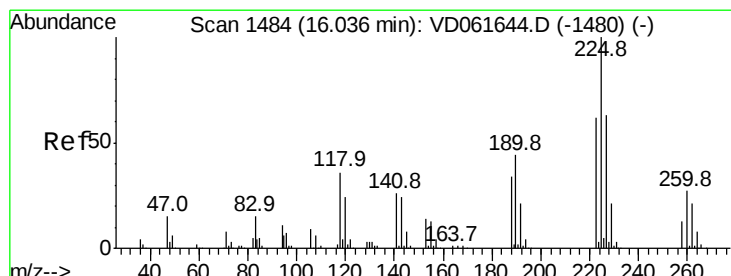
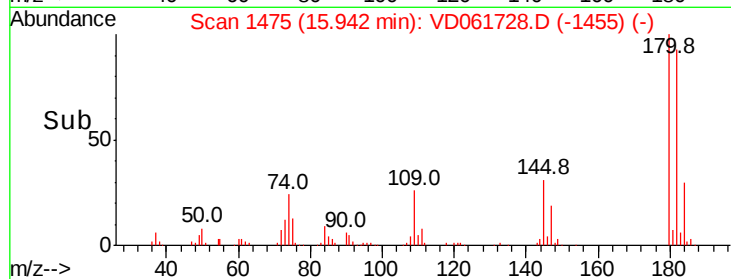
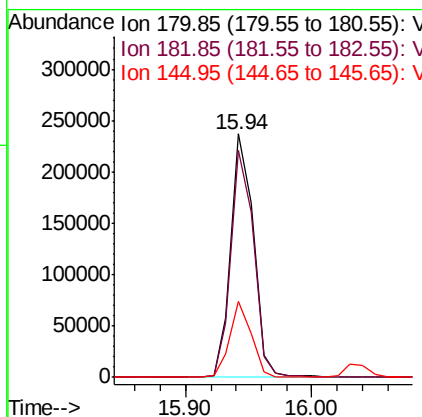
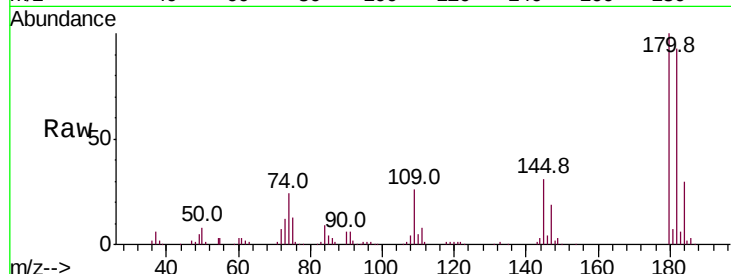
#93
 1,2,4-Trichlorobenzene
 Concen: 60.160 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	294078		
182	93.1	47.8	143.3	
145	31.3	13.3	39.8	

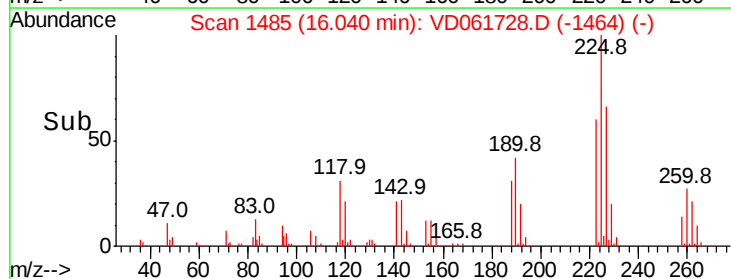
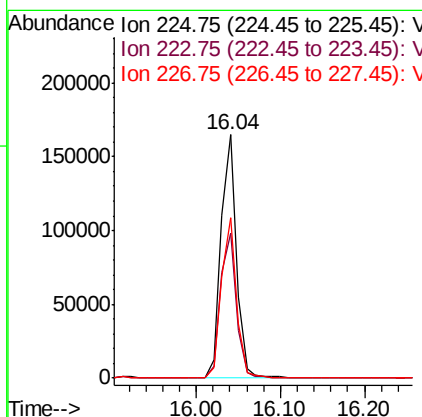
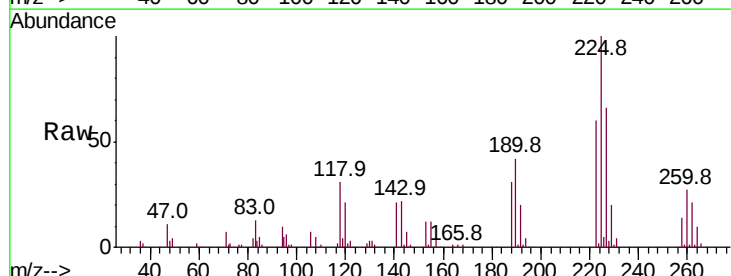
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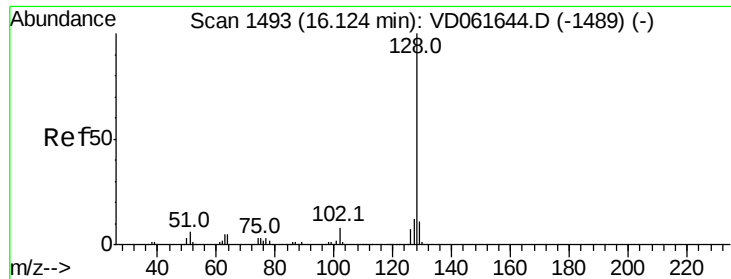
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#94
 Hexachlorobutadiene
 Concen: 55.804 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD061728.D
 Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	210634		
223	59.8	30.8	92.3	
227	66.0	31.5	94.5	





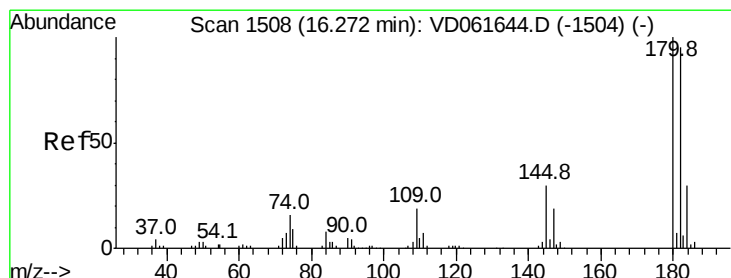
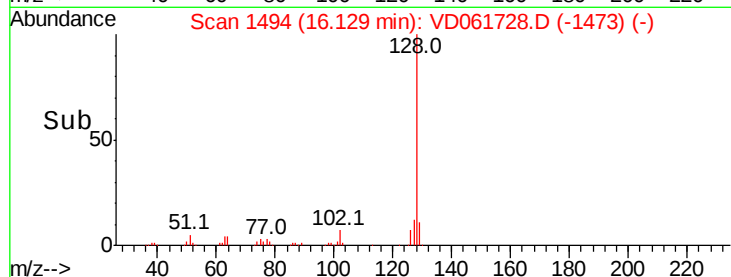
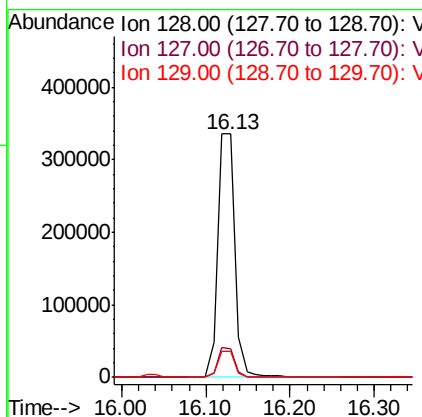
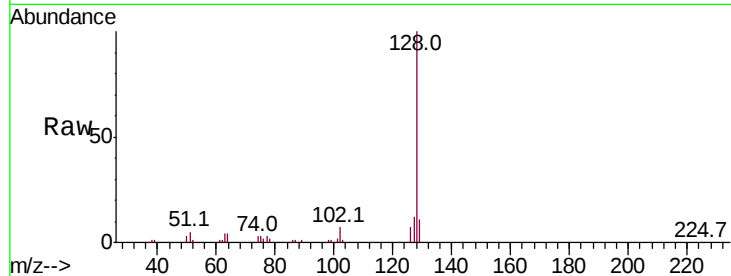
#95
Naphthalene
Concen: 61.128 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	472807		
127	12.0		9.4	14.2
129	10.8		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 58.247 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VD061728.D
Acq: 10 Apr 2019 23:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	142102		
182	95.1		47.3	142.0
145	34.6		15.1	45.3

