

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030719\
 Data File : VD060973.D
 Acq On : 7 Mar 2019 17:26
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:46:28 PM

Quant Time: Mar 08 02:41:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 00:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	807181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1370769	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1081868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	437897	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	608662	91.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.56%	
35) Dibromofluoromethane	6.92	113	991059	90.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	181.46%	
50) Toluene-d8	10.41	98	2300752	83.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.48%	
62) 4-Bromofluorobenzene	13.56	95	860010	83.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	714032	80.703	ug/l	99
3) Chloromethane	1.76	50	598268	81.740	ug/l	97
4) Vinyl Chloride	1.85	62	605276	90.996	ug/l	97
5) Bromomethane	2.15	94	88116	76.027	ug/l	91
7) Trichlorofluoromethane	2.52	101	714861	86.984	ug/l	99
8) Diethyl Ether	2.88	74	276336	79.438	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	889835	83.602	ug/l	97
10) Methyl Iodide	3.31	142	1400670	111.158	ug/l	99
11) Tert butyl alcohol	4.06	59	199249m	406.848	ug/l	
12) 1,1-Dichloroethene	3.12	96	737494	81.702	ug/l	98
13) Acrolein	3.04	56	309858	461.882	ug/l	98
14) Allvl chloride	3.62	41	1186542	79.457	ug/l	98
15) Acrylonitrile	4.20	53	703880	381.067	ug/l	98
16) Acetone	3.22	43	880118	403.913	ug/l	98
17) Carbon Disulfide	3.38	76	2566160	80.042	ug/l	100
18) Methyl Acetate	3.64	43	353229	78.914	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	1300456	80.994	ug/l	98
20) Methylene Chloride	3.81	84	818330	67.320	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	808213	81.464	ug/l	97
22) Diisopropyl ether	5.12	45	2313937	73.573	ug/l	97
23) Vinyl Acetate	5.05	43	6195562	375.917	ug/l	99
24) 1,1-Dichloroethane	4.98	63	1394740	82.470	ug/l	98
25) 2-Butanone	6.07	43	956798	357.092	ug/l	98
26) 2,2-Dichloropropane	6.02	77	1030783	82.017	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	868087	77.677	ug/l	93
28) Bromochloromethane	6.43	49	578559	82.325	ug/l	99
29) Tetrahydrofuran	6.45	42	526525	375.697	ug/l	97
30) Chloroform	6.66	83	1465794	89.572	ug/l	99
31) Cyclohexane	6.95	56	1142902	79.637	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	1186465	84.293	ug/l	99
36) 1,1-Dichloropropene	7.14	75	998923	79.474	ug/l	100
37) Ethyl Acetate	6.18	43	494251	76.965	ug/l	99
38) Carbon Tetrachloride	7.11	117	1093093m	80.240	ug/l	
39) Methylcyclohexane	8.86	83	1111156	81.115	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	7.46	78	2676392	82.521	ug/l	99
41) Methacrylonitrile	6.44	41	570494	123.938	ug/l	97
42) 1,2-Dichloroethane	7.57	62	768171	83.672	ug/l	99
43) Isopropyl Acetate	9.24	43	712274	79.705	ug/l	98
44) Trichloroethene	8.54	130	983051	89.329	ug/l	97
45) 1,2-Dichloropropane	8.93	63	720298	84.518	ug/l	100
46) Dibromomethane	9.06	93	471884	86.546	ug/l	99
47) Bromodichloromethane	9.38	83	1062352	87.788	ug/l	100
48) Methyl methacrylate	9.12	41	383807	75.966	ug/l	98
49) 1,4-Dioxane	9.08	88	86434	1666.871	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	1966512	360.404	ug/l	96
52) Toluene	10.51	92	1531267	74.185	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	941897	85.667	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	1169730	86.738	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	571186	83.692	ug/l	97
56) Ethyl methacrylate	11.04	69	625787	87.352	ug/l	99
57) 1,3-Dichloropropane	11.40	76	876848	88.872	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	1446174	377.026	ug/l	100
59) 2-Hexanone	11.53	43	1429538	373.361	ug/l	98
60) Dibromochloromethane	11.68	129	848681	86.071	ug/l	99
61) 1,2-Dibromoethane	11.81	107	666089	83.059	ug/l	100
64) Tetrachloroethene	11.26	164	685827	83.848	ug/l	99
65) Chlorobenzene	12.40	112	2048358	86.454	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	693853	80.956	ug/l	98
67) Ethyl Benzene	12.53	91	2697941	77.829	ug/l	99
68) m/p-Xylenes	12.67	106	2244161	161.434	ug/l	98
69) o-Xylene	13.05	106	1016022	78.592	ug/l	96
70) Stvrene	13.07	104	1763998	81.751	ug/l	98
71) Bromoform	13.23	173	478468	88.705	ug/l	99
73) Isopropylbenzene	13.40	105	2992394	89.411	ug/l	100
74) N-amyl acetate	13.26	43	853204	84.333	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	622436	89.621	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	611636	86.650	ug/l	98
77) Bromobenzene	13.67	156	857796	97.531	ug/l	90
78) n-propylbenzene	13.78	91	3349140	85.727	ug/l	95
79) 2-Chlorotoluene	13.84	91	1879747	85.963	ug/l	93
80) 1,3,5-Trimethylbenzene	14.24	105	2189674	84.677	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	194143	93.303	ug/l	97
83) tert-Butylbenzene	14.19	119	2329484m	80.922	ug/l	
84) 1,2,4-Trimethylbenzene	14.24	105	2189674	84.677	ug/l	96
85) sec-Butylbenzene	14.37	105	2854545	84.975	ug/l	98
86) p-Isopropyltoluene	14.49	119	2295789	82.955	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	1378661	92.223	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	1291116	87.277	ug/l	97
90) Hexachloroethane	15.01	117	752808	94.345	ug/l	84
91) 1,2-Dichlorobenzene	14.81	146	1030040	78.993	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	80057	98.125	ug/l	84
93) 1,2,4-Trichlorobenzene	15.94	180	532438	72.399	ug/l	99
94) Hexachlorobutadiene	16.04	225	414159	88.100	ug/l	99
95) Naphthalene	16.13	128	873076	76.834	ug/l	99

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ClientSampleId :
VSTDICC100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	16.27	180	293897	73.671	ug/l	95

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

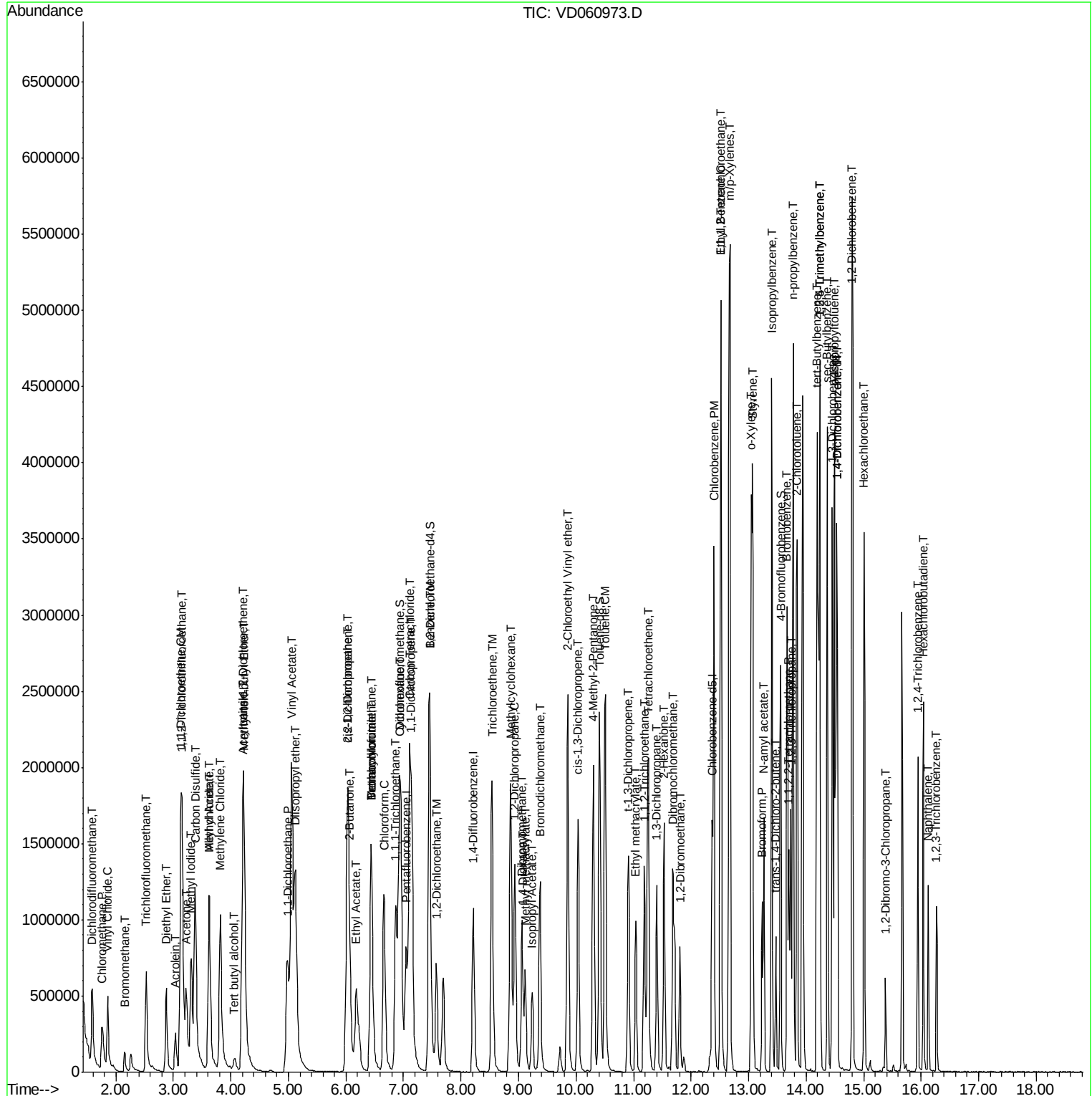
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 Data File : VD060973.D
 Acq On : 7 Mar 2019 17:26
 Operator : VA/AP
 Sample : VSTDICC100
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 ALS Vial : 8 Sample Multiplier: 1

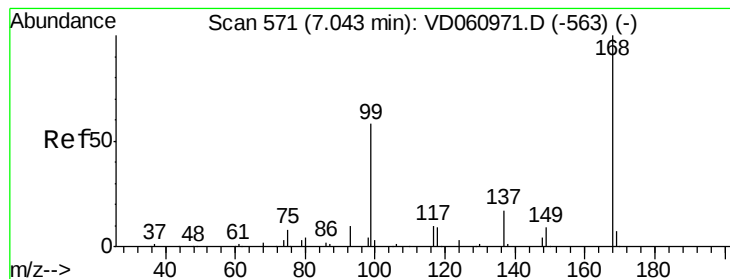
Instrument :
 MSVOA_D
 Client Sample ID :
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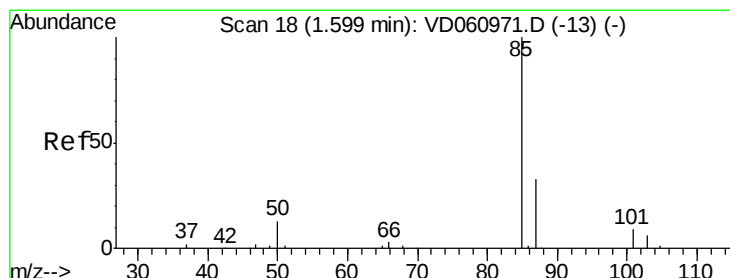
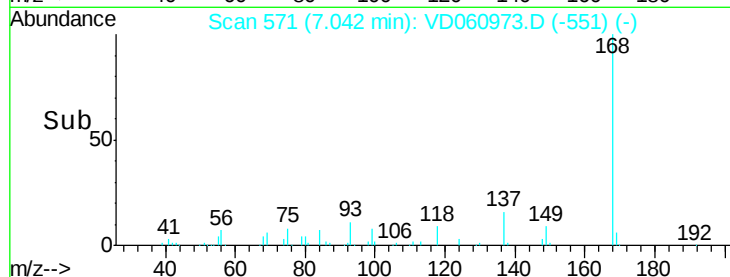
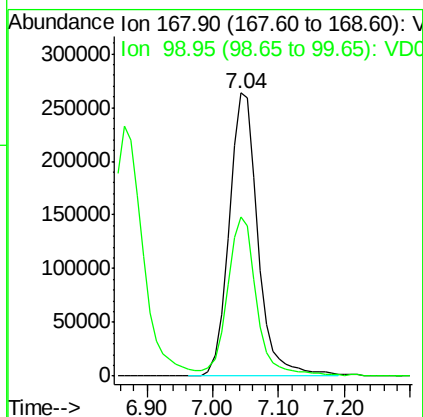
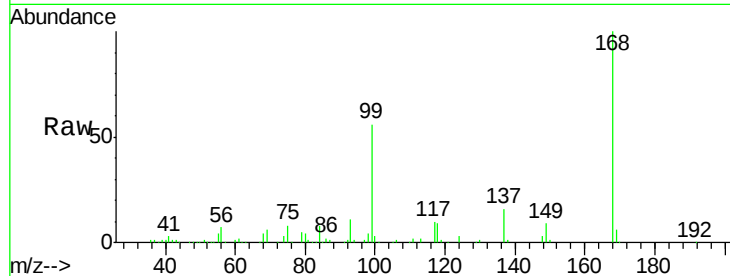
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.3	47.3	70.9

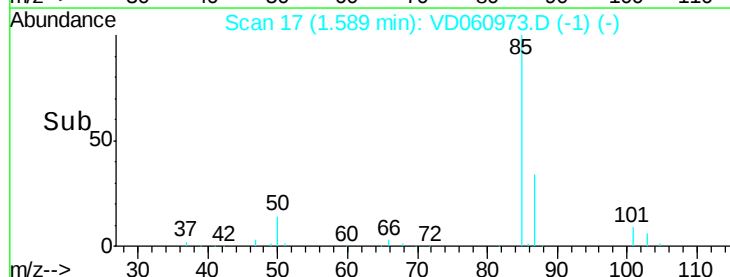
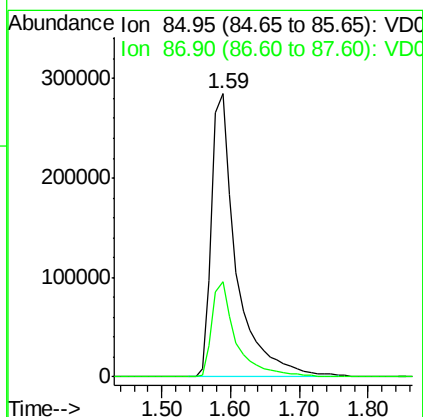
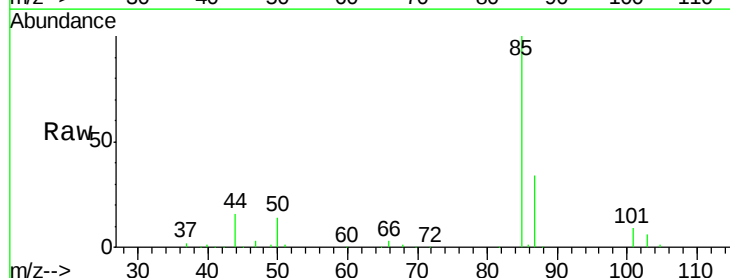
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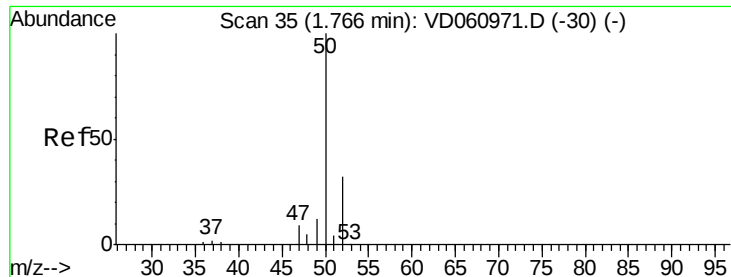
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#2
Dichlorodifluoromethane
Concen: 80.703 ug/l
RT: 1.59 min Scan# 17
Delta R.T. -0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.4	49.4





#3

Chloromethane

Concen: 81.740 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 598268

Ion Ratio Lower Upper

50 100

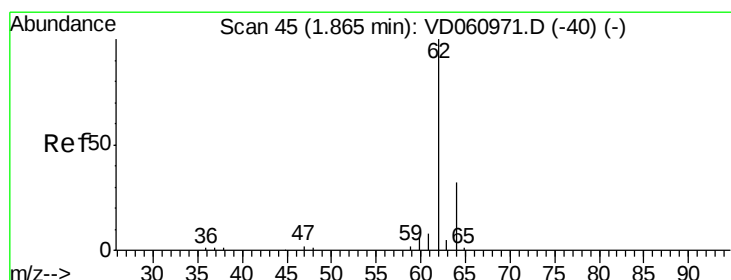
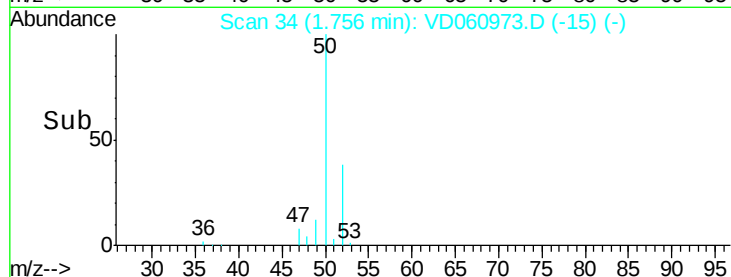
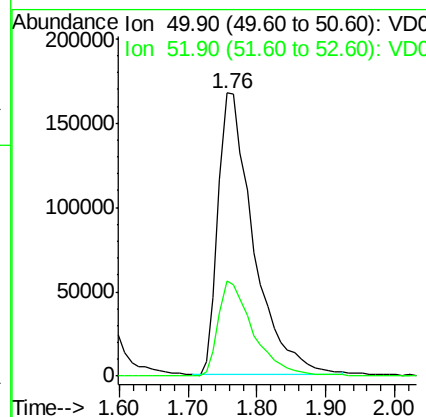
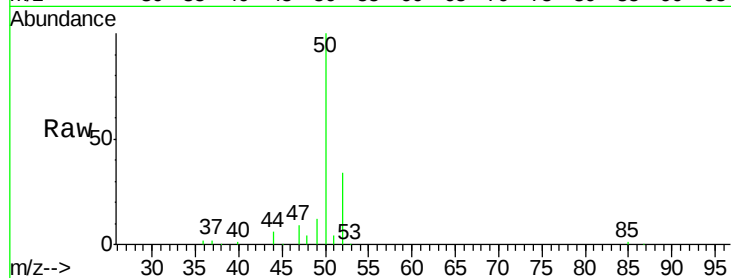
52 33.8 25.8 38.8

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3/8/2019 9:46:28 PM



#4

Vinyl Chloride

Concen: 90.996 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD060973.D

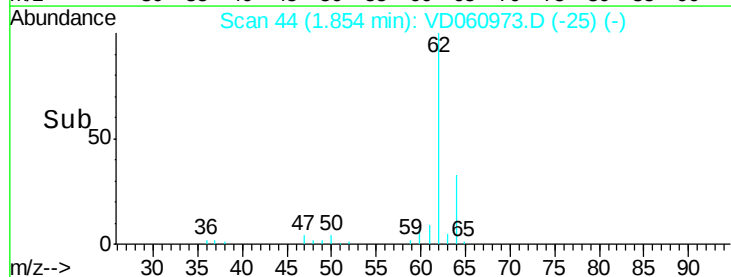
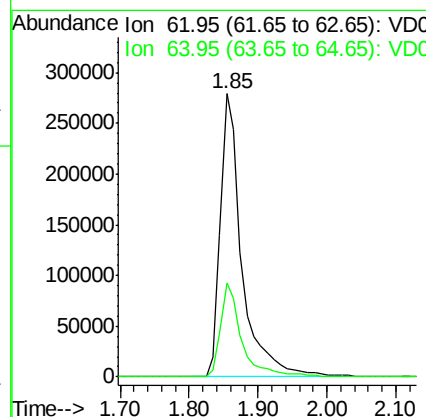
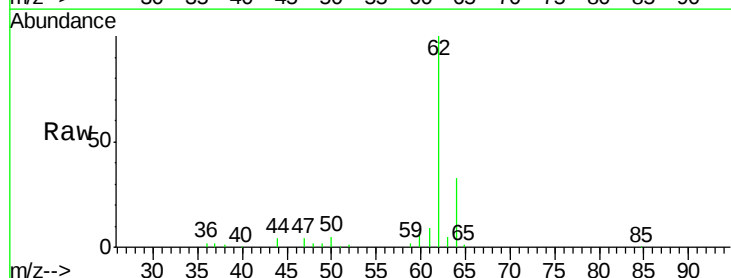
Acq: 7 Mar 2019 17:26

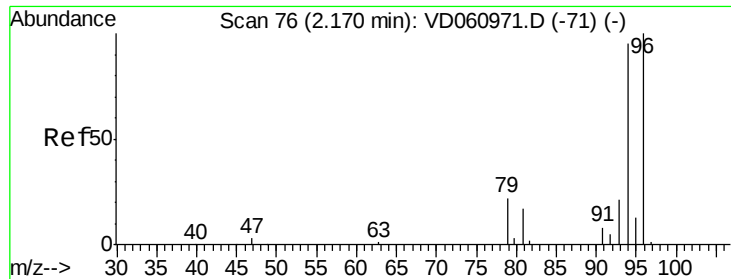
Tgt Ion: 62 Resp: 605276

Ion Ratio Lower Upper

62 100

64 33.1 25.2 37.8





#5

Bromomethane

Concen: 76.027 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD060973.D

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MSVOA_D

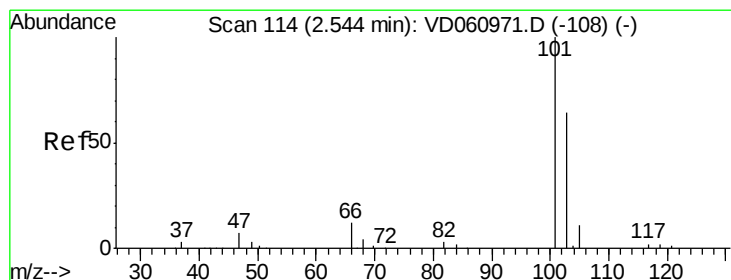
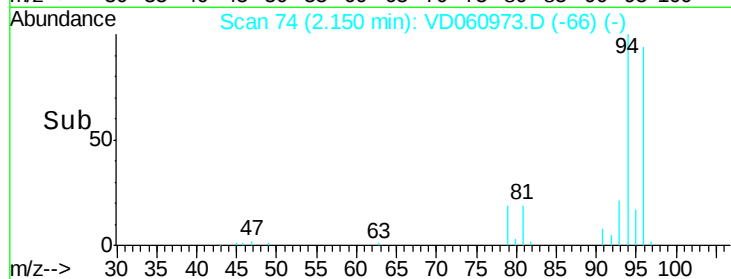
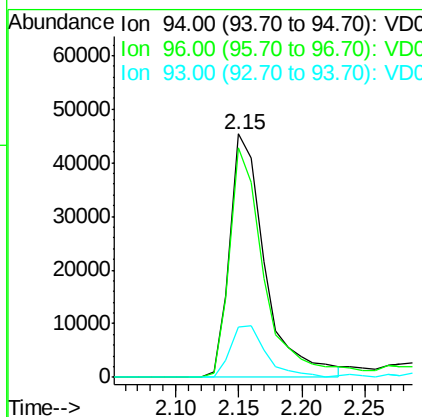
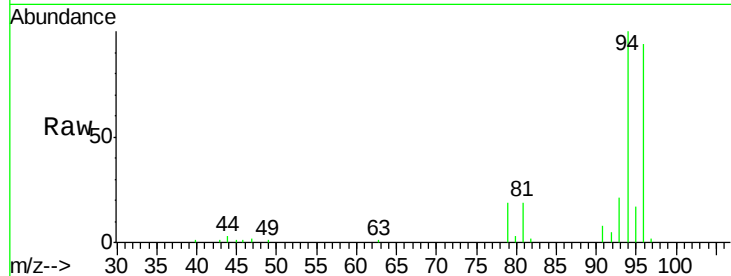
ClientSampleId :

VSTDIC100

Tot Ion:	94	Resp:	88116
Ion	Ratio	Lower	Upper
94	100		
96	94.2	84.0	126.0
93	20.9	17.3	25.9

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#7

Trichlorofluoromethane

Concen: 86.984 ug/l

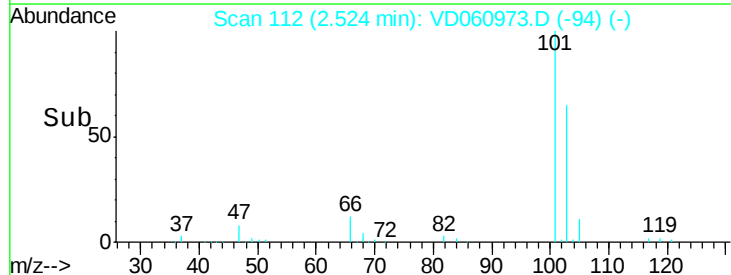
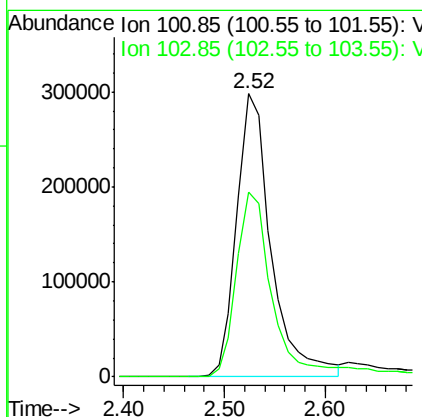
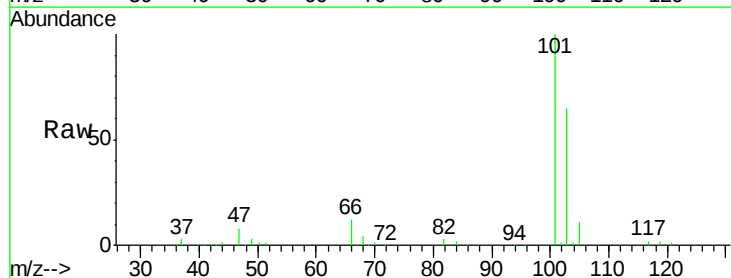
RT: 2.52 min Scan# 112

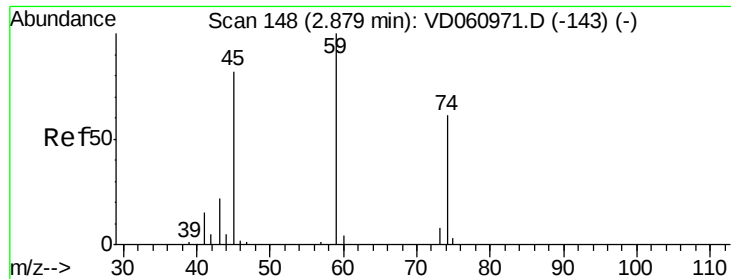
Delta R.T. -0.02 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Tgt Ion:	101	Resp:	714861
Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.2	76.8





#8

Diethyl Ether

Concen: 79.438 ug/l

RT: 2.88 min Scan# 148

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 74 Resp: 276336

Ion Ratio Lower Upper

74 100

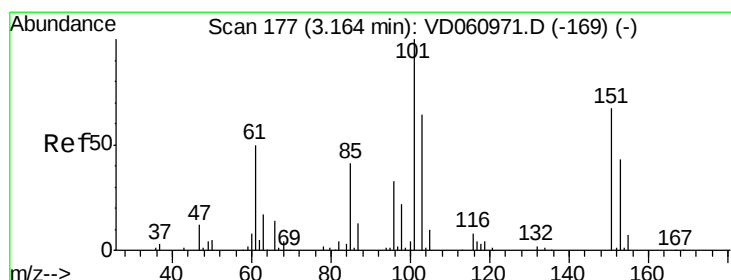
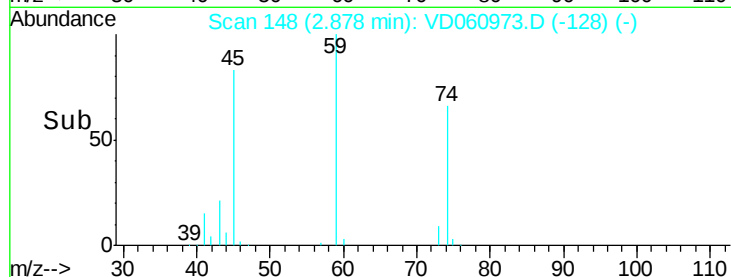
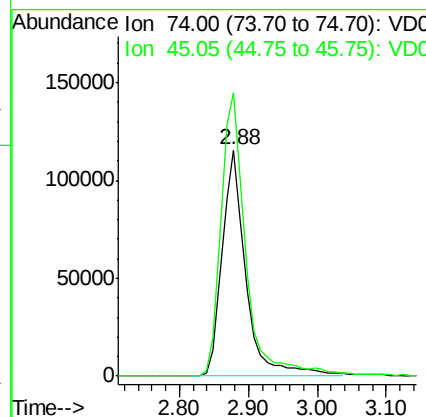
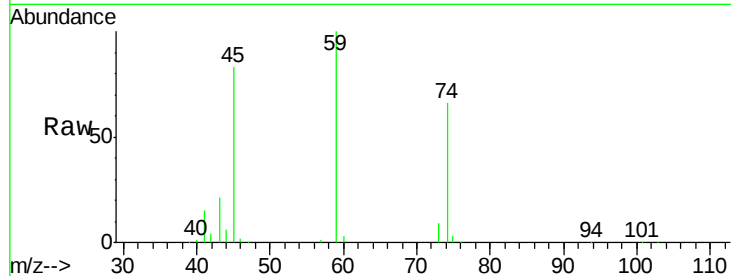
45 125.2 67.0 201.1

Manual Integrations

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3/8/2019 9:46:28 PM



#9

1,1,2-Trichlorotrifluoroethane

Concen: 83.602 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

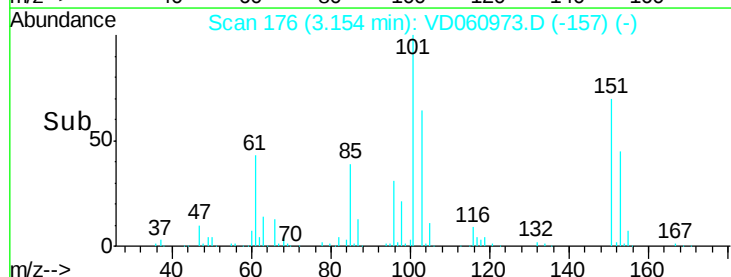
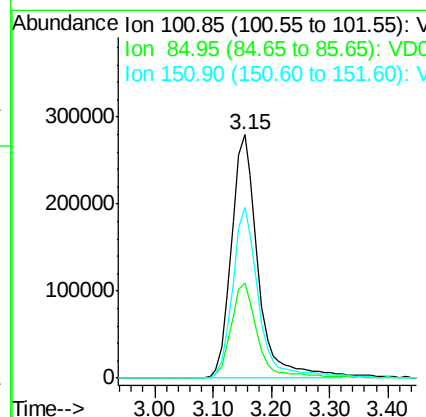
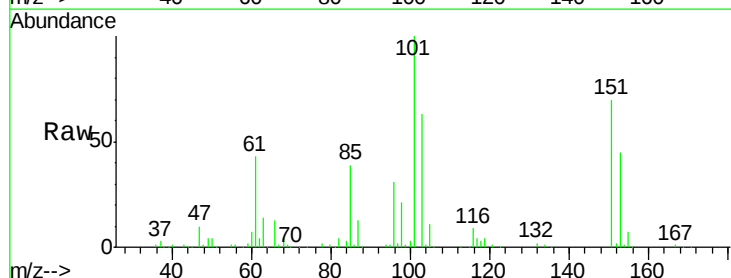
Tgt Ion: 101 Resp: 889835

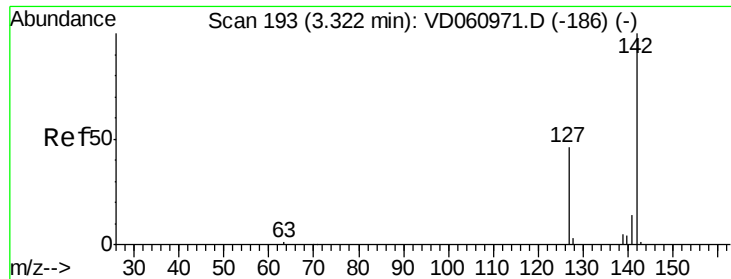
Ion Ratio Lower Upper

101 100

85 39.2 32.5 48.7

151 69.9 53.3 79.9





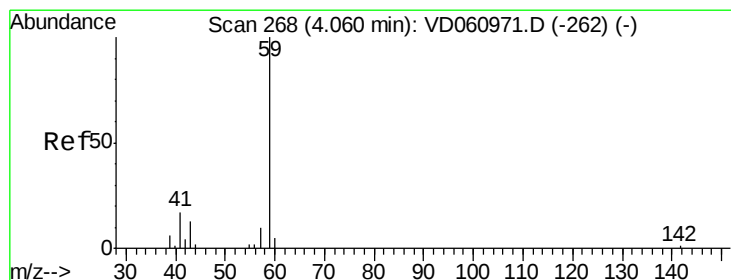
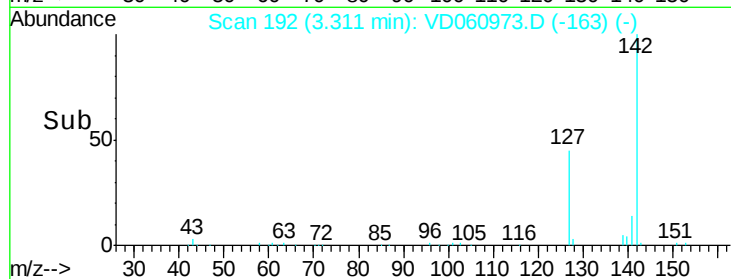
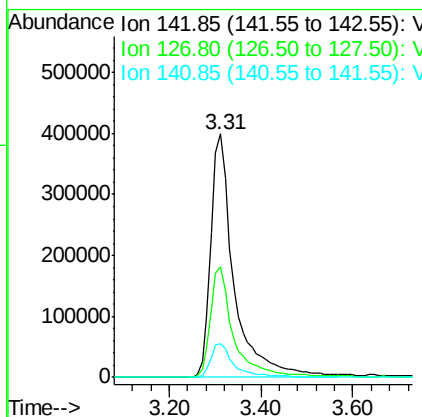
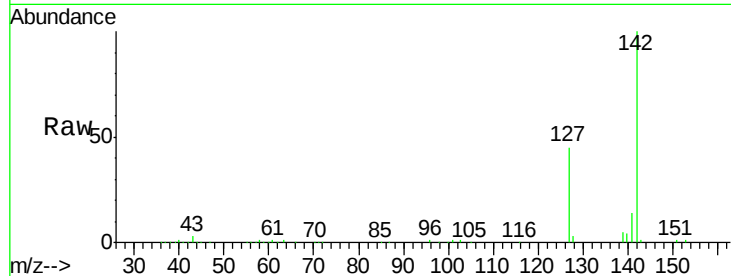
#10
Methvl Iodide
Concen: 111.158 ug/l
RT: 3.31 min Scan# 192
Delta R.T. -0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:142 Resp: 1400670
Ion Ratio Lower Upper
142 100
127 45.5 36.8 55.2
141 13.7 11.2 16.8

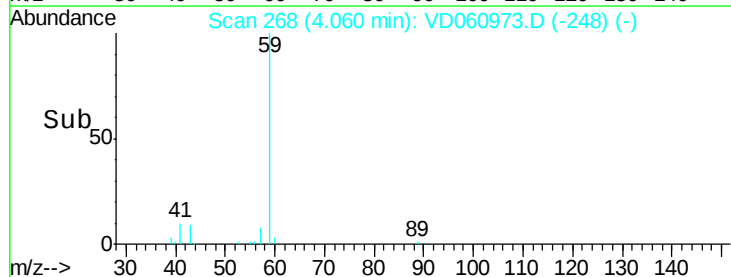
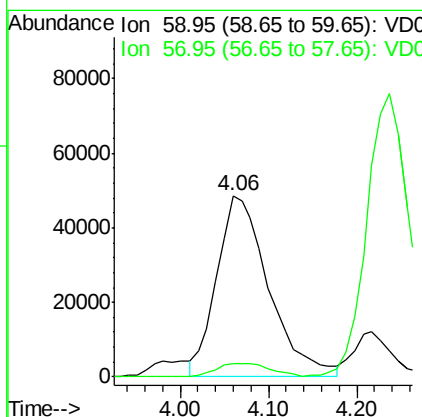
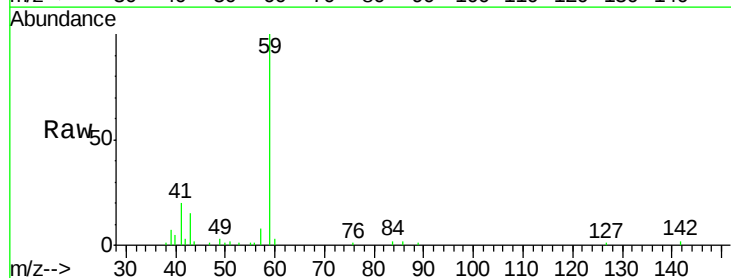
Manual Integrations
APPROVED

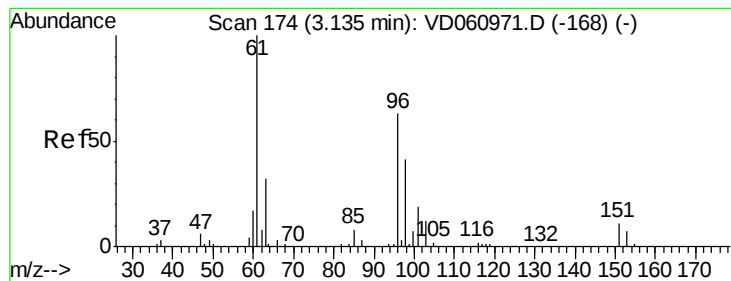
MMDadoda
3/8/2019 9:46:28 PM



#11
Tert butyl alcohol
Concen: 406.848 ug/l m
RT: 4.06 min Scan# 268
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 59 Resp: 199249
Ion Ratio Lower Upper
59 100
57 7.5 7.1 10.7





#12

1,1-Dichloroethene

Concen: 81.702 ug/l

RT: 3.12 min Scan# 173

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

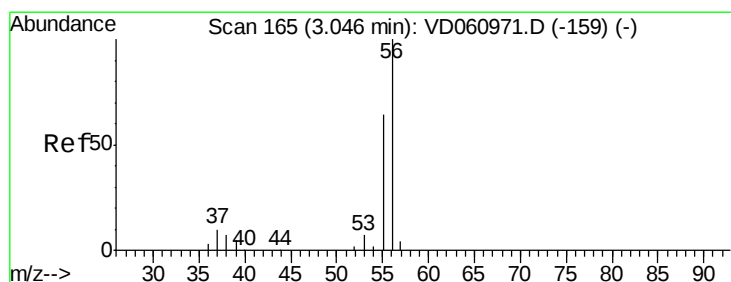
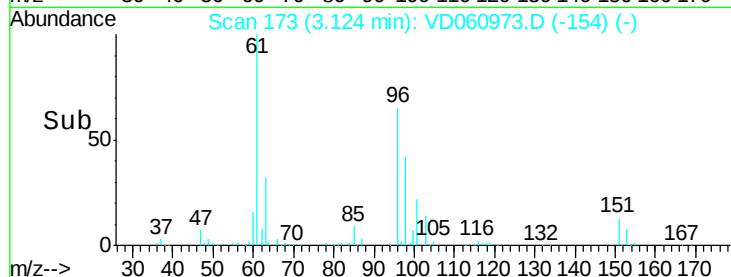
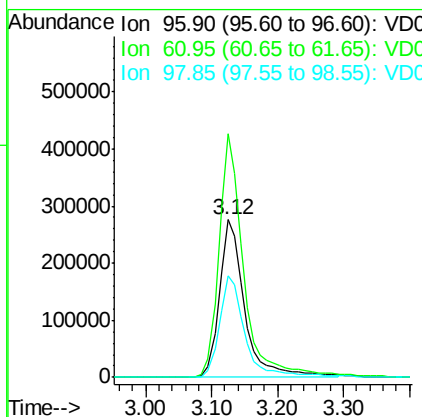
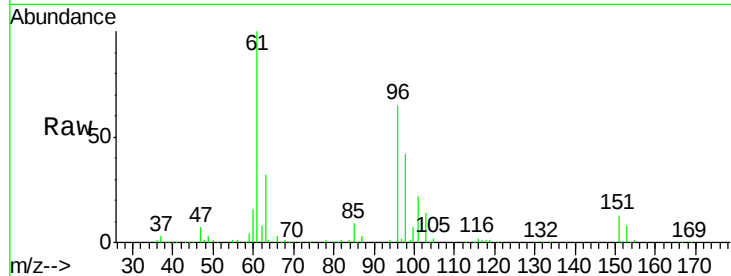
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	737494
Ion Ratio	Lower	Upper	
96	100		
61	154.7	127.1	190.7
98	64.5	51.5	77.3

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:46:28 PM



#13

Acrolein

Concen: 461.882 ug/l

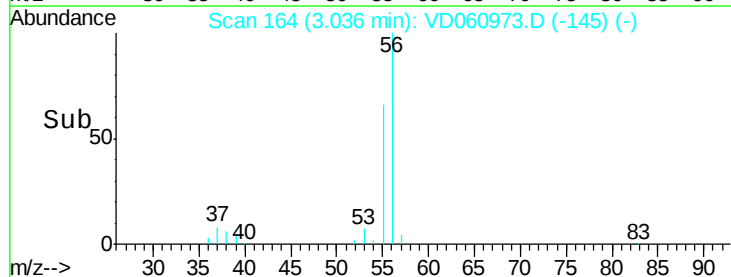
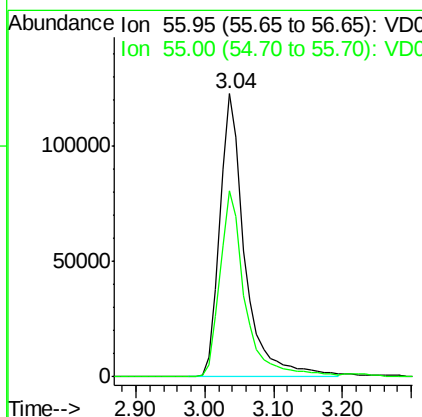
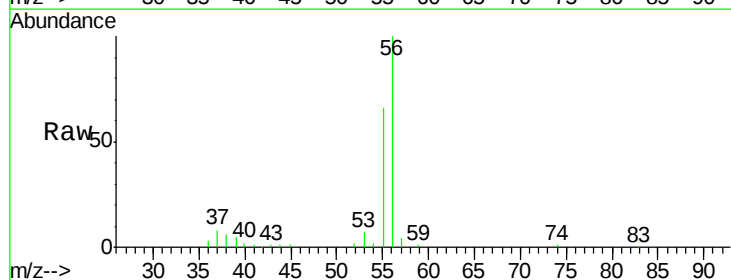
RT: 3.04 min Scan# 164

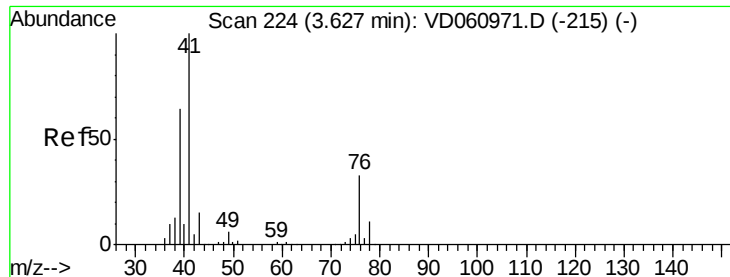
Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Tgt Ion:	56	Resp:	309858
Ion Ratio	Lower	Upper	
56	100		
55	65.8	51.3	76.9





#14

Allvl chloride

Concen: 79.457 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 1186542

Ion Ratio Lower Upper

41 100

39 66.1 51.1 76.7

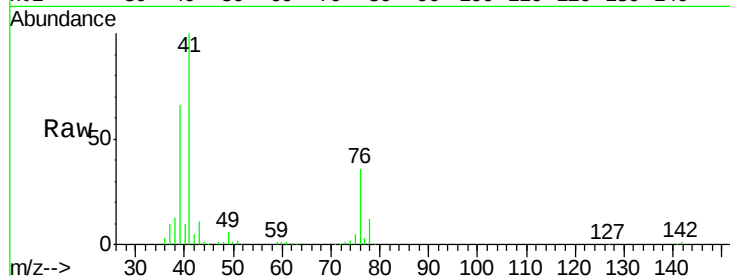
76 36.2 29.1 43.7

Manual Integrations

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MMDadoda

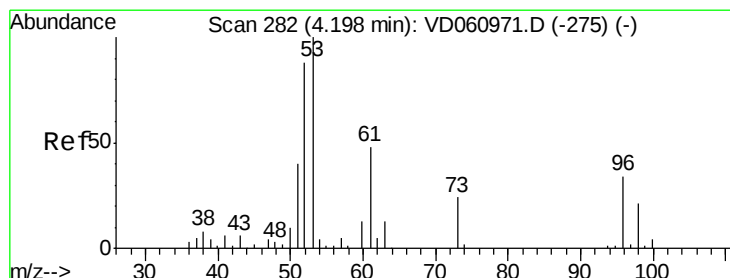
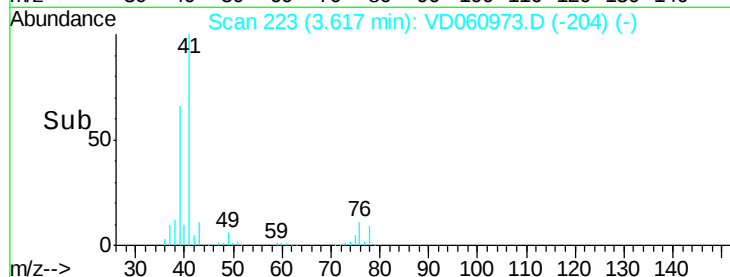
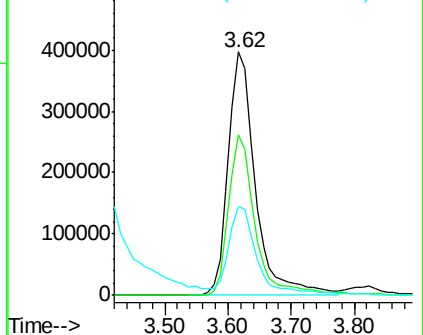
3/8/2019 9:46:28 PM



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC



#15

Acrylonitrile

Concen: 381.067 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

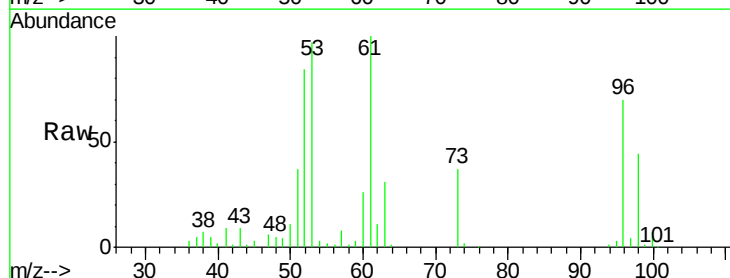
Tgt Ion: 53 Resp: 703880

Ion Ratio Lower Upper

53 100

52 85.9 70.2 105.4

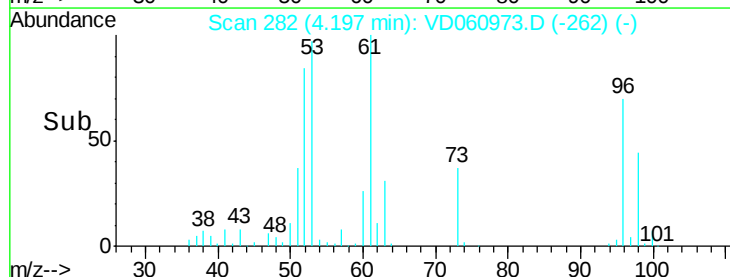
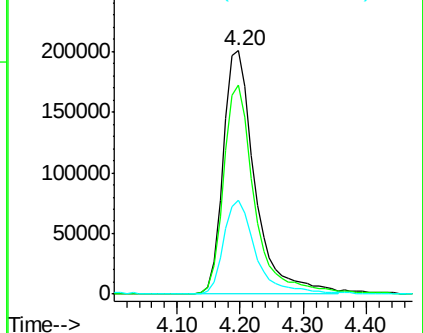
51 38.3 31.7 47.5

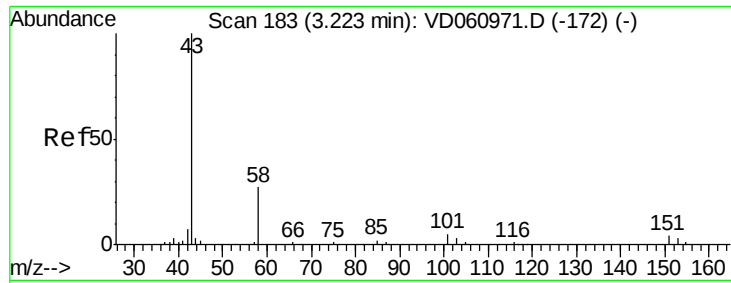


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





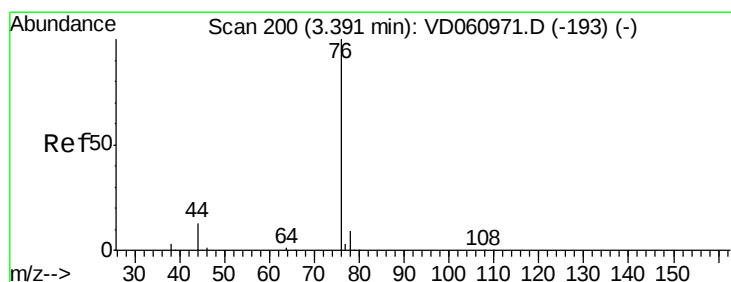
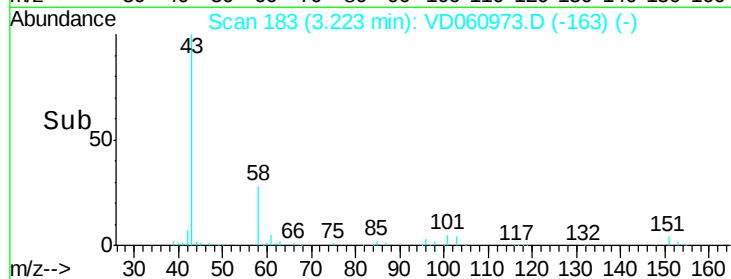
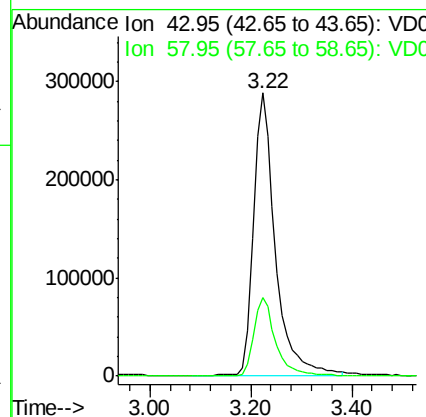
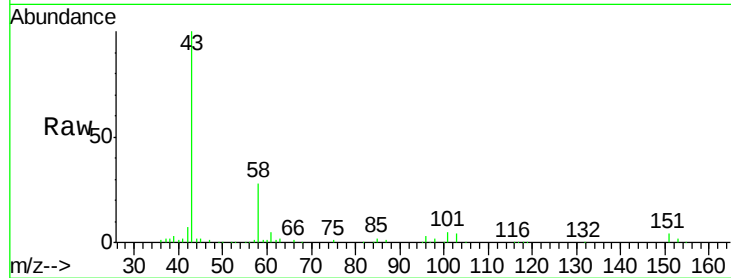
#16
Acetone
Concen: 403.913 ug/l
RT: 3.22 min Scan# 183
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 880118
Ion Ratio Lower Upper
43 100
58 27.9 21.6 32.4

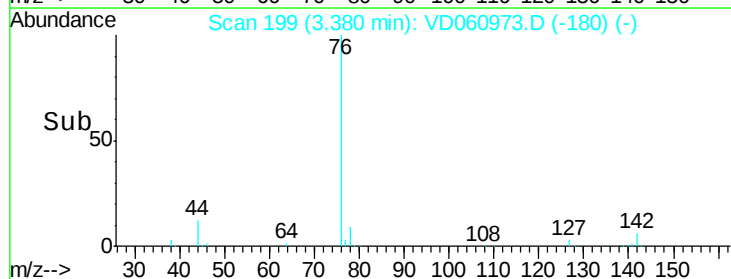
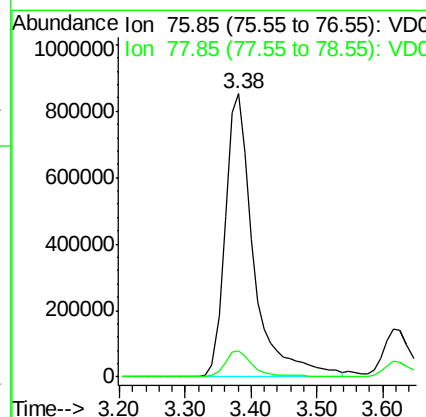
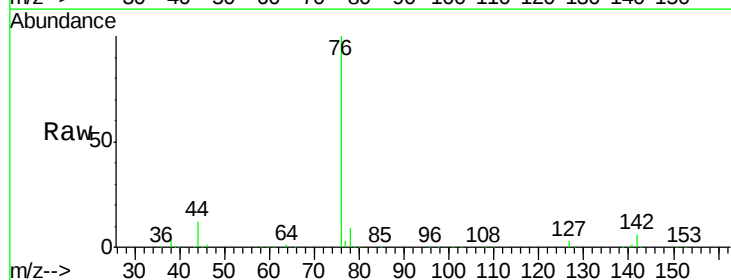
Manual Integrations
APPROVED

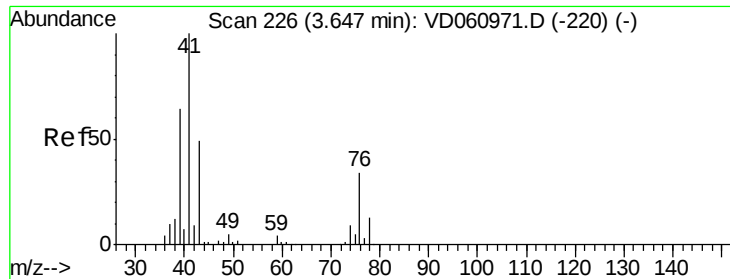
MMDadoda
3/8/2019 9:46:28 PM



#17
Carbon Disulfide
Concen: 80.042 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 76 Resp: 2566160
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2





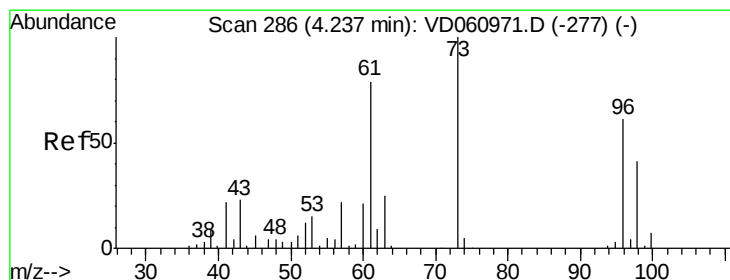
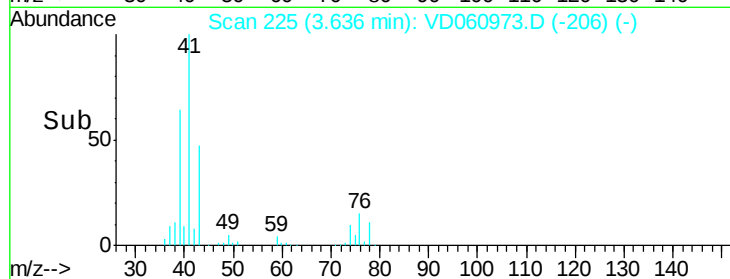
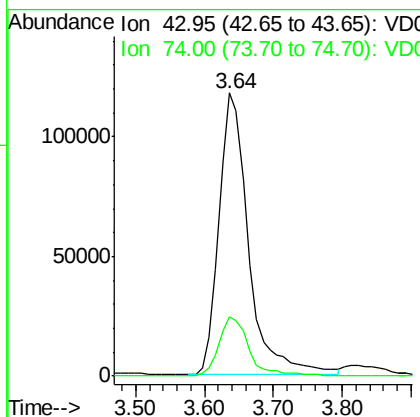
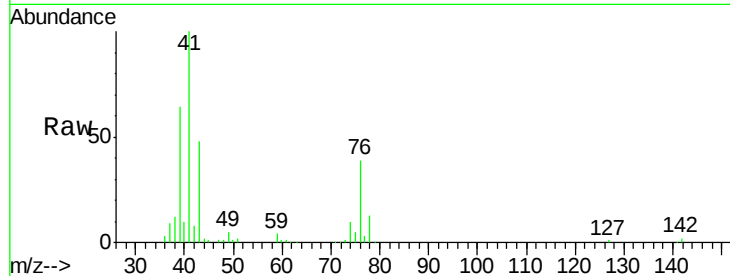
#18
Methyl Acetate
Concen: 78.914 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion: 43 Resp: 353229
Ion Ratio Lower Upper
43 100
74 21.1 14.6 21.8

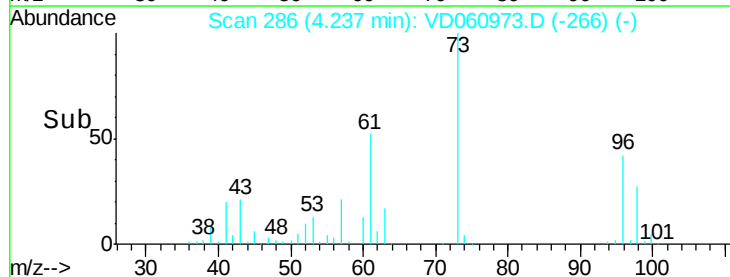
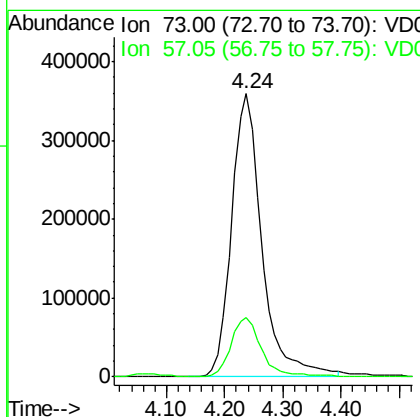
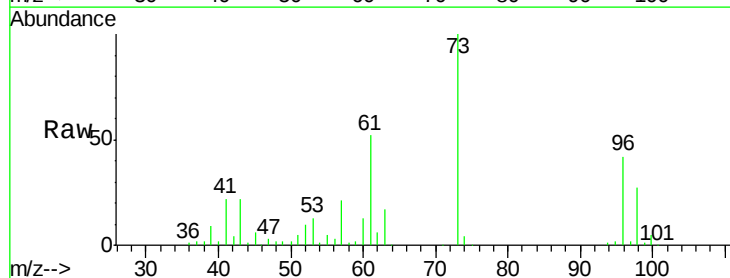
Manual Integrations
APPROVED

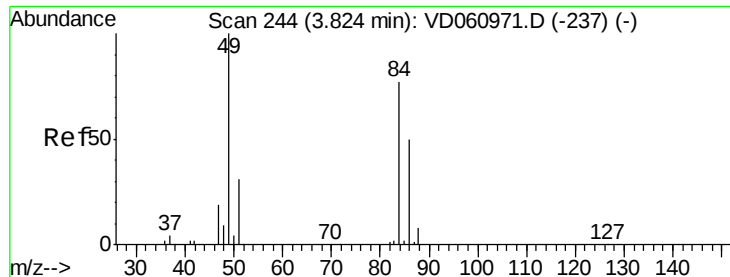
MMDadoda
3/8/2019 9:46:28 PM



#19
Methyl tert-butyl Ether
Concen: 80.994 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 73 Resp: 1300456
Ion Ratio Lower Upper
73 100
57 21.1 17.7 26.5





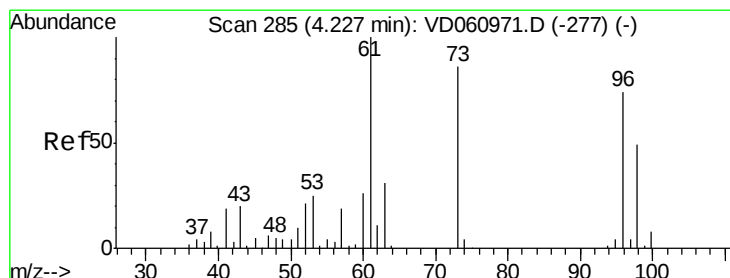
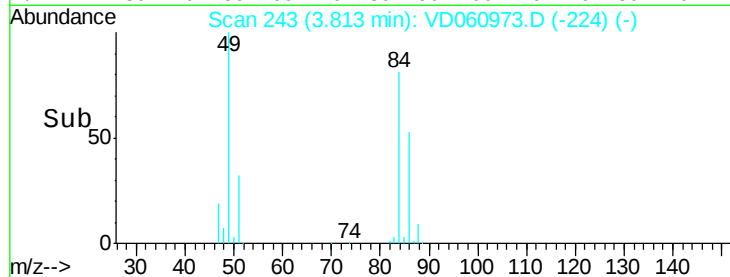
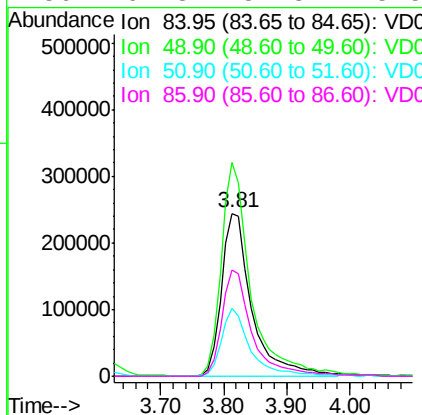
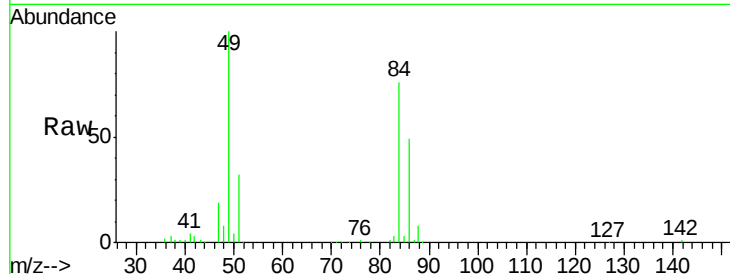
#20
Methvlene Chloride
Concen: 67.320 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
84	100		
49	131.0	104.2	156.2
51	41.8	32.3	48.5
86	64.8	52.3	78.5

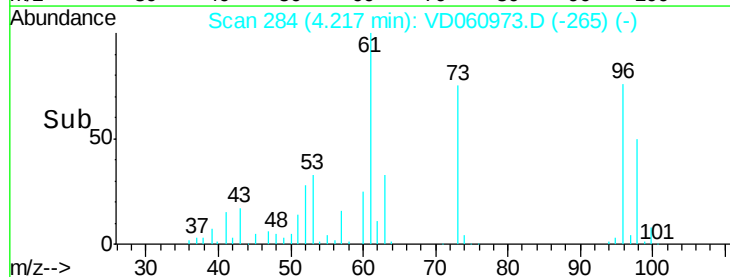
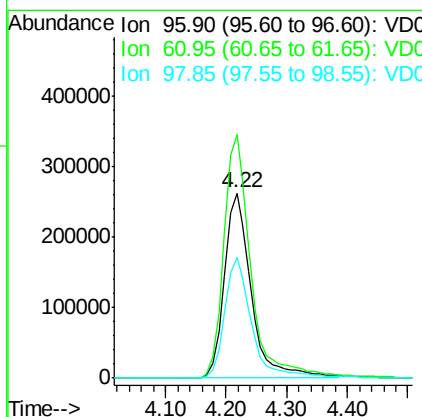
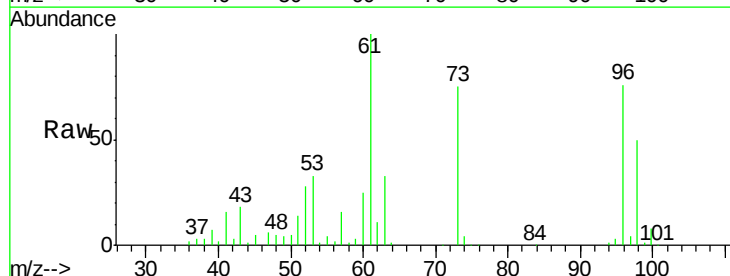
Manual Integrations
APPROVED

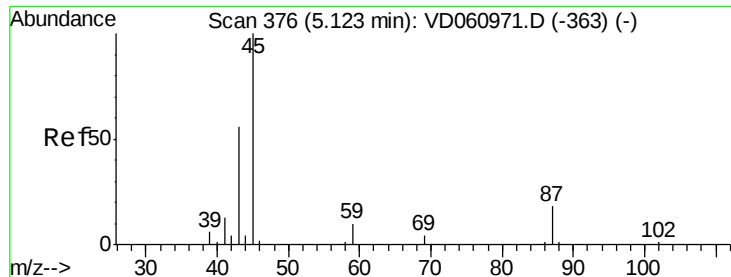
MMDadoda
3/8/2019 9:46:28 PM



#21
trans-1,2-Dichloroethene
Concen: 81.464 ug/l
RT: 4.22 min Scan# 284
Delta R.T. -0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.5	108.4	162.6
98	65.2	53.0	79.4





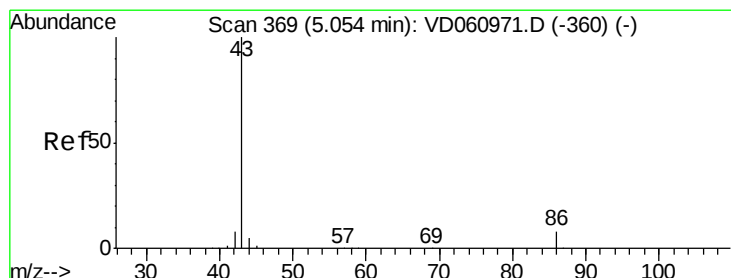
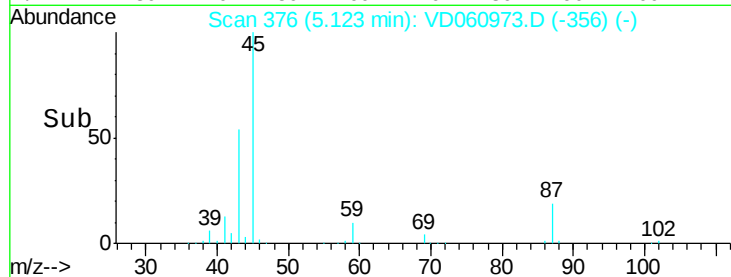
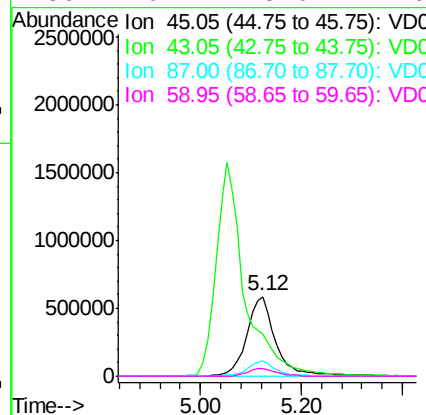
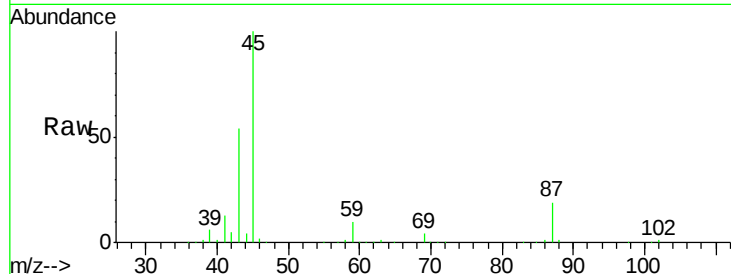
#22
Diisopropyl ether
Concen: 73.573 ug/l
RT: 5.12 min Scan# 376
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:	45	Resp:	2313937
Ion	Ratio	Lower	Upper
45	100		
43	54.0	45.8	68.8
87	19.1	14.9	22.3
59	10.4	8.0	12.0

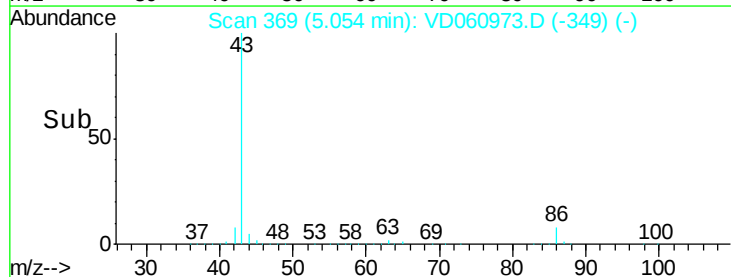
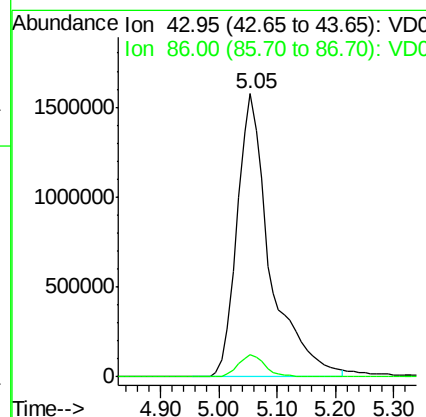
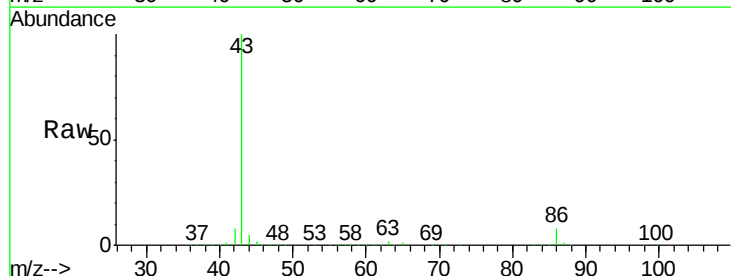
Manual Integrations
APPROVED

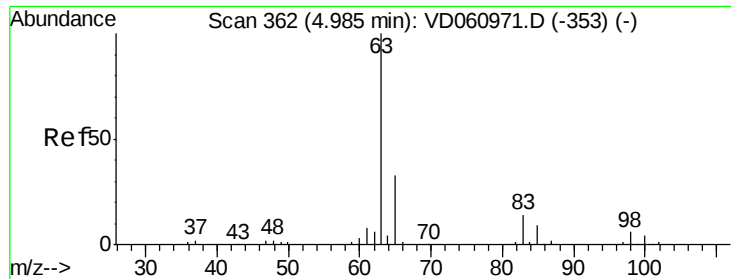
MMDadoda
3/8/2019 9:46:28 PM



#23
Vinyl Acetate
Concen: 375.917 ug/l
RT: 5.05 min Scan# 369
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion:	43	Resp:	6195562
Ion	Ratio	Lower	Upper
43	100		
86	8.0	6.2	9.2





#24

1,1-Dichloroethane

Concen: 82.470 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1394740

Ion Ratio Lower Upper

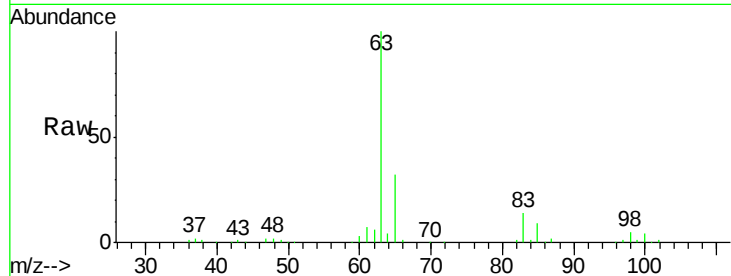
63 100

98 5.3 3.0 9.2

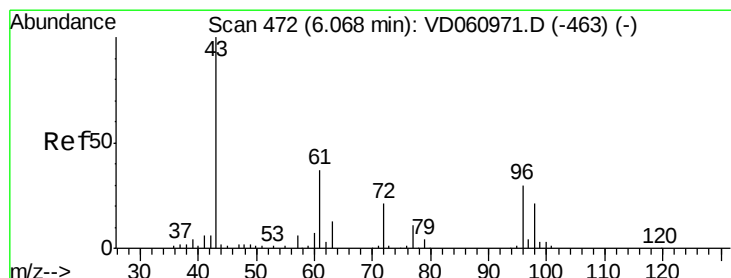
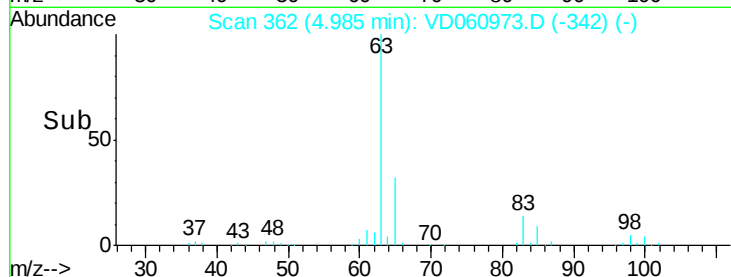
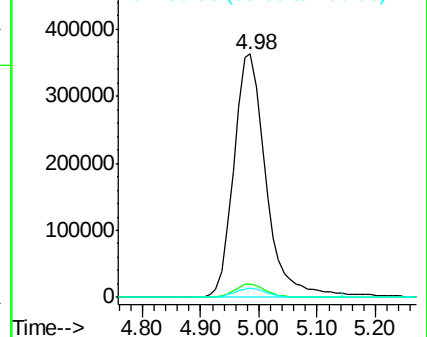
100 3.7 2.0 5.8

Manual Integrations
APPROVED

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3/8/2019 9:46:28 PM



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#25

2-Butanone

Concen: 357.092 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD060973.D

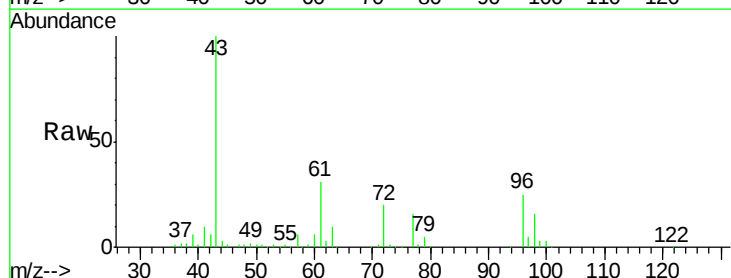
Acq: 7 Mar 2019 17:26

Tgt Ion: 43 Resp: 956798

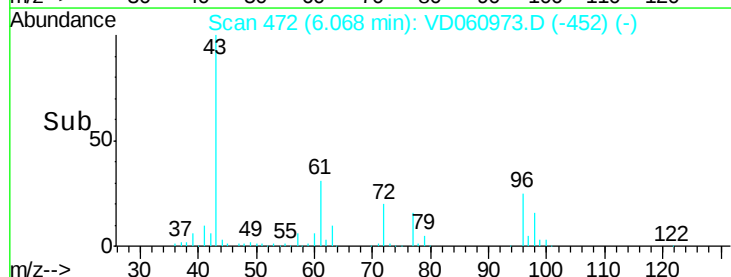
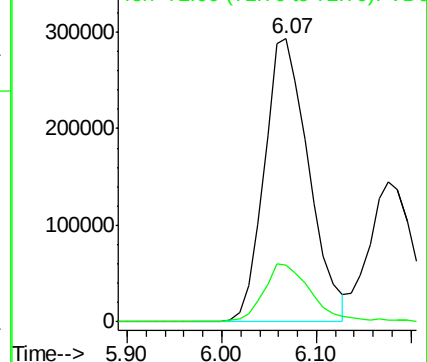
Ion Ratio Lower Upper

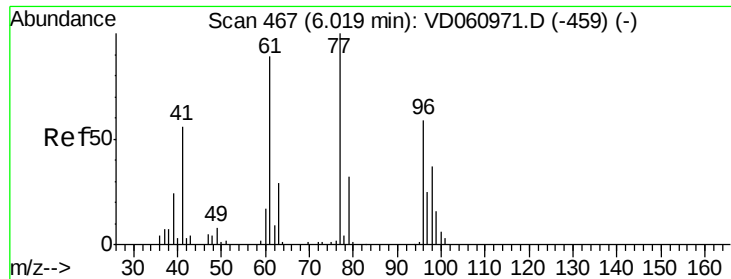
43 100

72 20.0 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#26

2,2-Dichloropropane

Concen: 82.017 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 77 Resp: 1030783

Ion Ratio Lower Upper

77 100

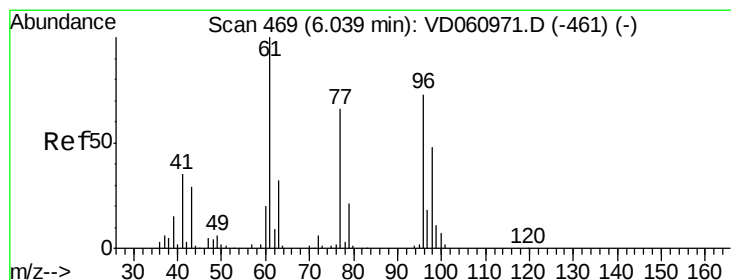
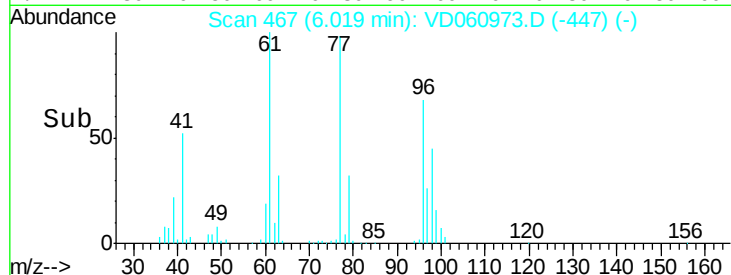
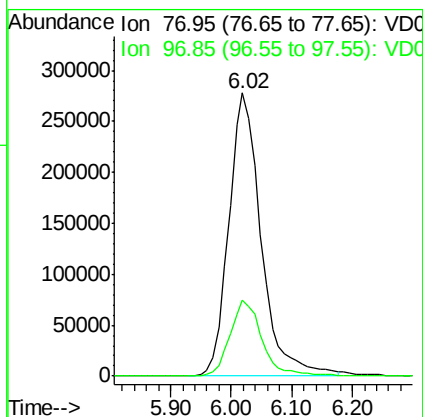
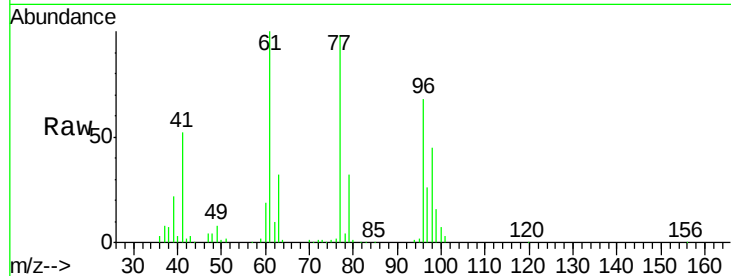
97 26.7 12.6 37.6

Manual Integrations

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#27

cis-1,2-Dichloroethene

Concen: 77.677 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

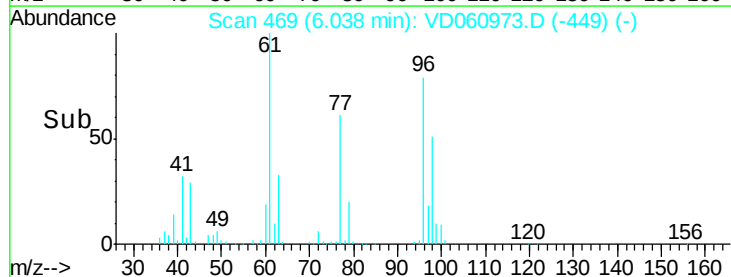
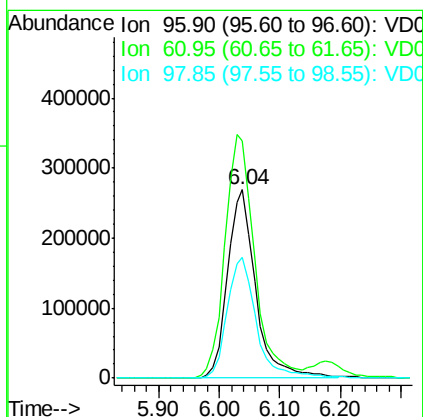
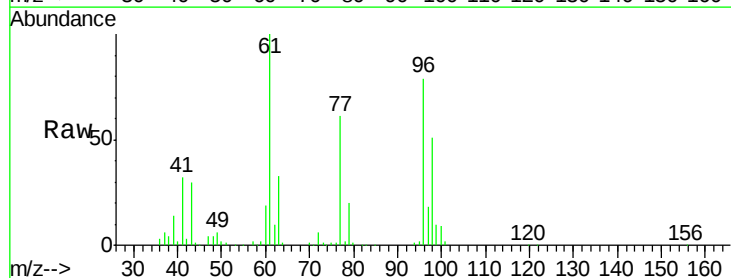
Tgt Ion: 96 Resp: 868087

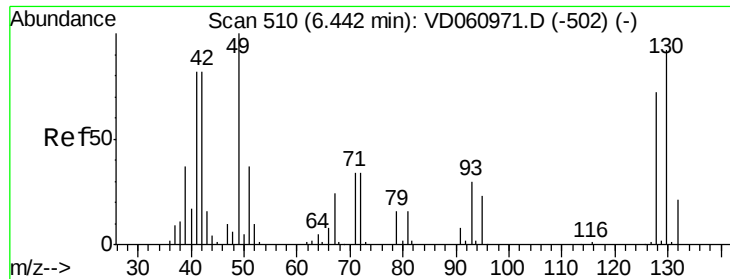
Ion Ratio Lower Upper

96 100

61 126.5 0.0 273.6

98 64.4 0.0 132.6





#28

Bromochloromethane

Concen: 82.325 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 49 Resp: 578559

Ion Ratio Lower Upper

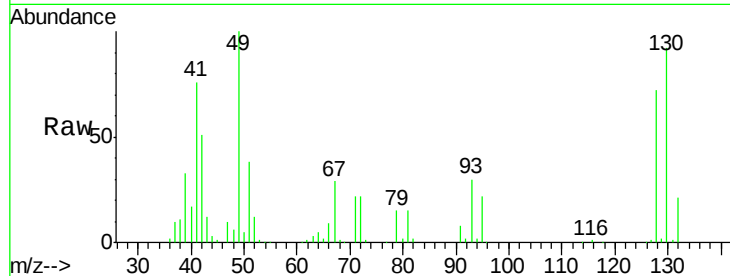
49 100

129 1.8 0.0 4.0

130 91.8 73.8 110.8

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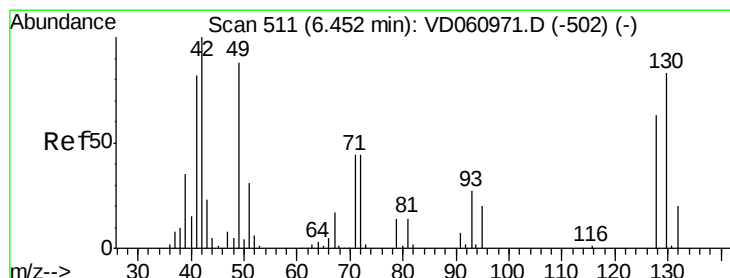
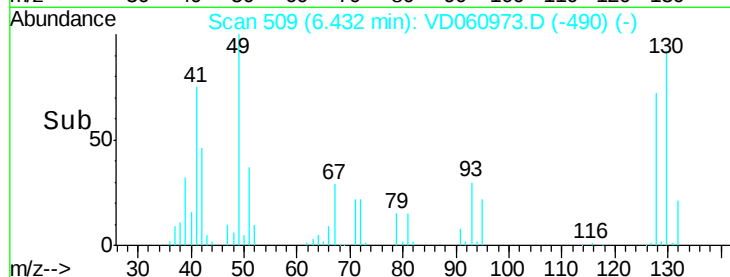
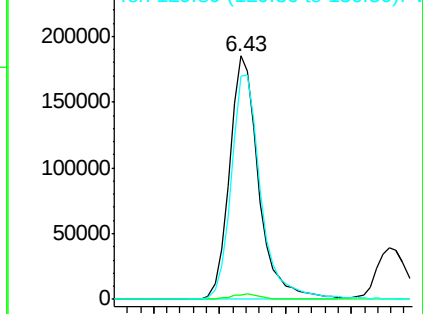
MMDadoda
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Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#29

Tetrahydrofuran

Concen: 375.697 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

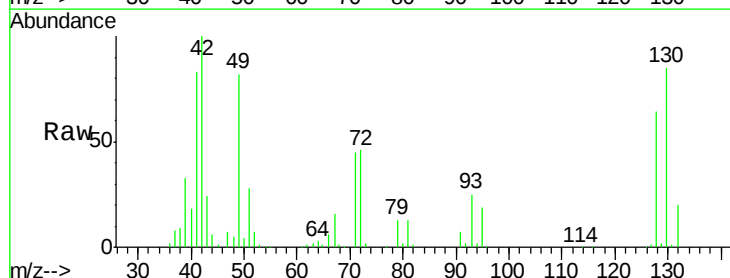
Tgt Ion: 42 Resp: 526525

Ion Ratio Lower Upper

42 100

72 45.0 34.5 51.7

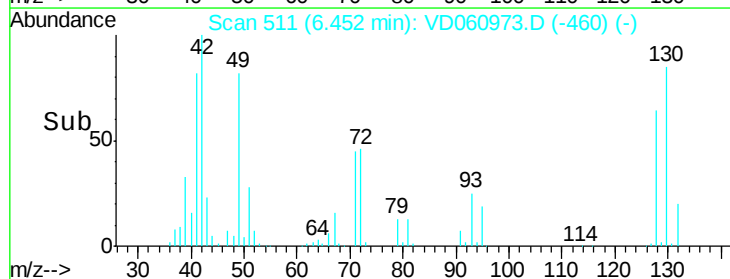
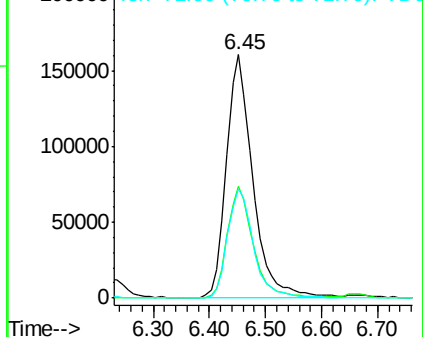
71 44.2 33.8 50.6

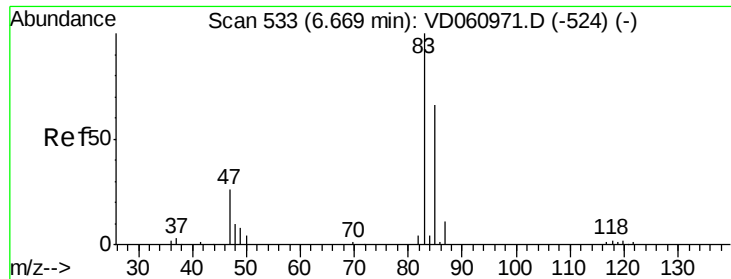


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





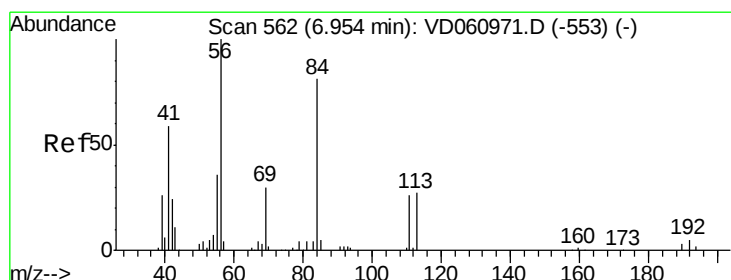
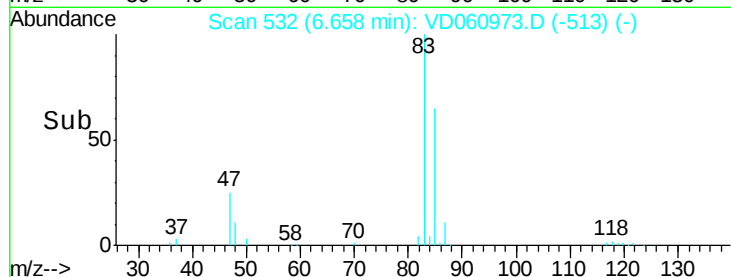
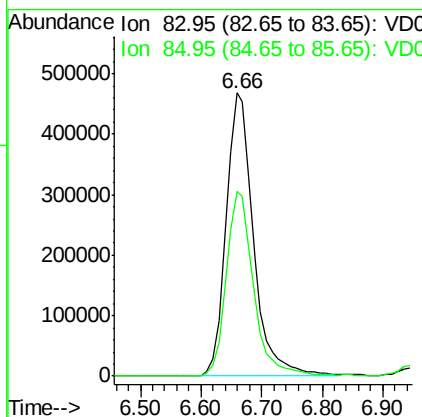
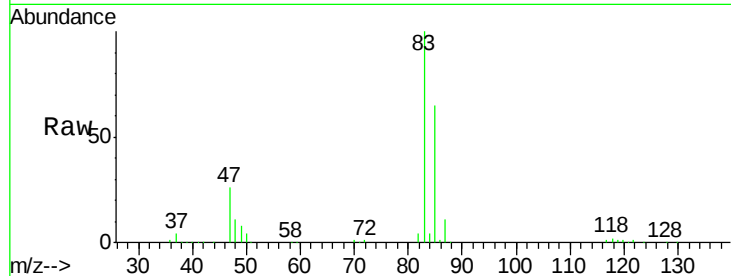
#30
Chloroform
Concen: 89.572 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 83 Resp: 1465794
Ion Ratio Lower Upper
83 100
85 65.1 53.0 79.4

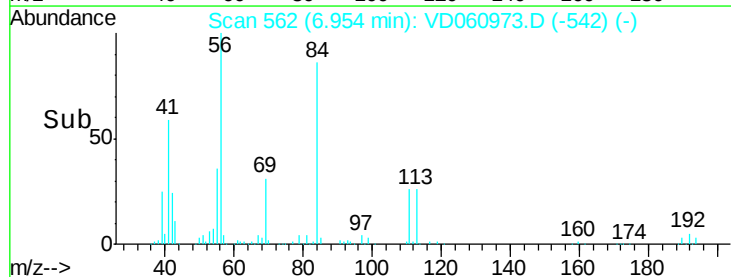
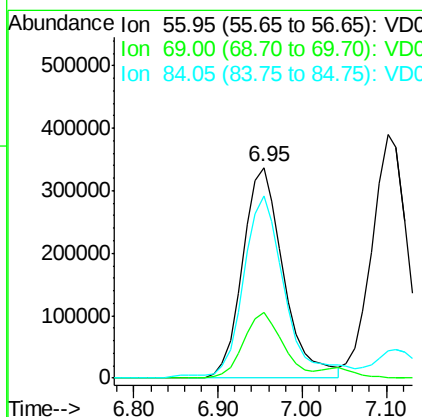
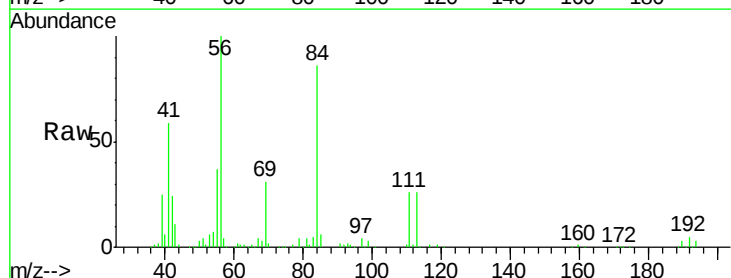
Manual Integrations
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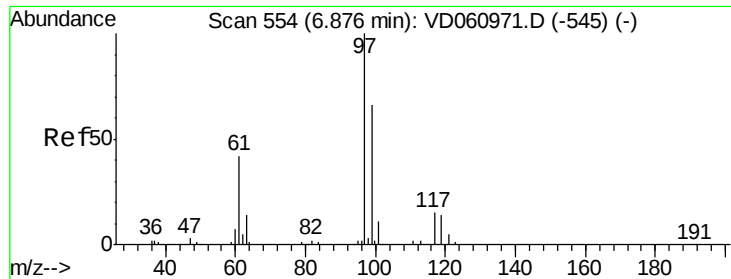
MMDadoda
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#31
Cyclohexane
Concen: 79.637 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 56 Resp: 1142902
Ion Ratio Lower Upper
56 100
69 31.2 24.0 36.0
84 86.4 65.8 98.6





#32

1,1,1-Trichloroethane

Concen: 84.293 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 1186465

Ion Ratio Lower Upper

97 100

99 65.7 53.2 79.8

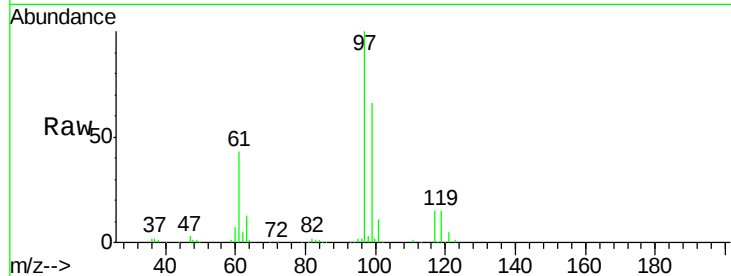
61 42.9 33.8 50.8

Manual Integrations

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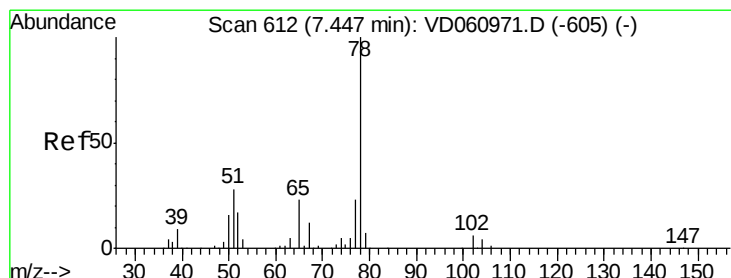
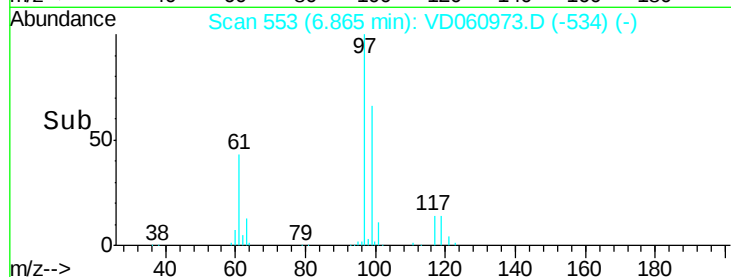
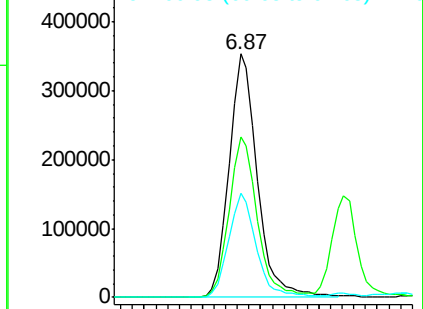
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Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC



#33

1,2-Dichloroethane-d4

Concen: 84.293 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD060973.D

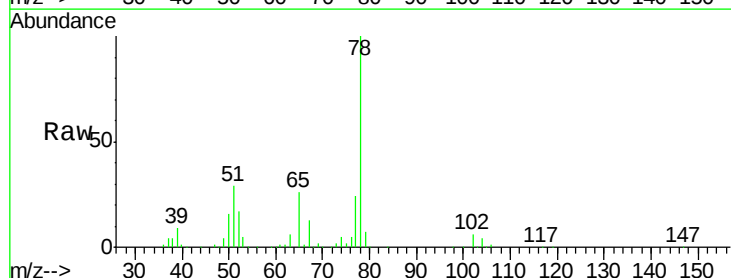
Acq: 7 Mar 2019 17:26

Tgt Ion: 65 Resp: 608662

Ion Ratio Lower Upper

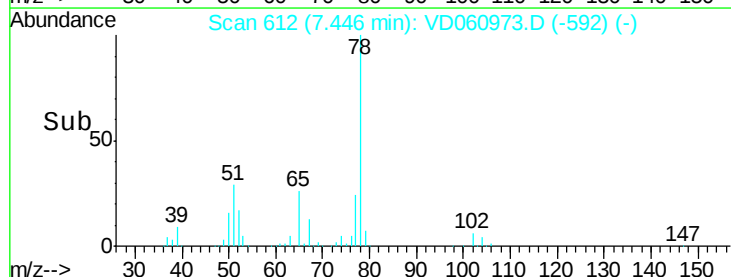
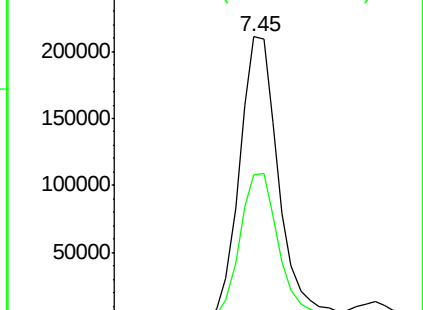
65 100

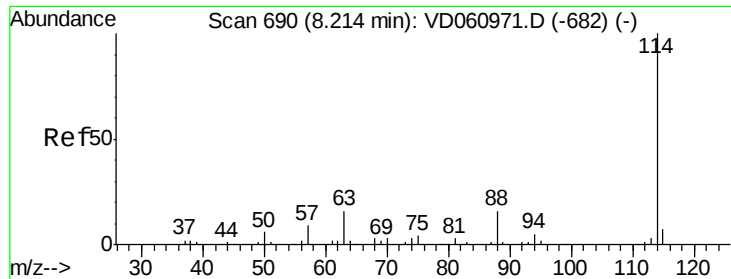
67 51.4 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





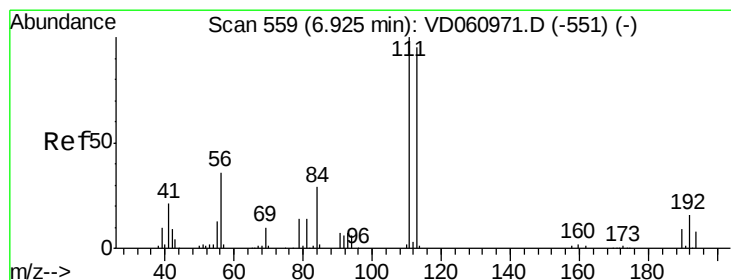
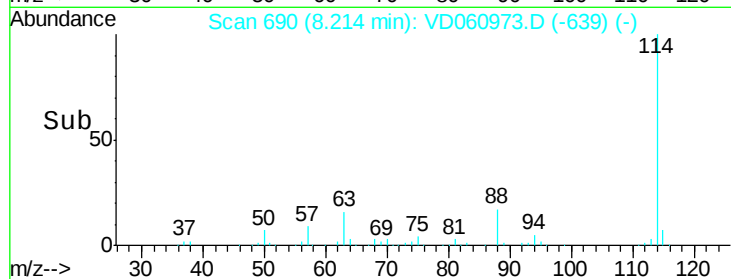
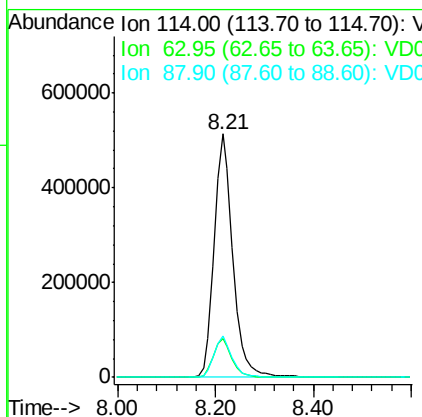
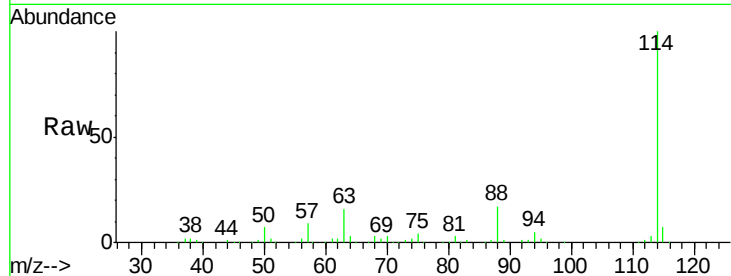
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:114 Resp: 1370769
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.4
 88 16.8 0.0 33.0

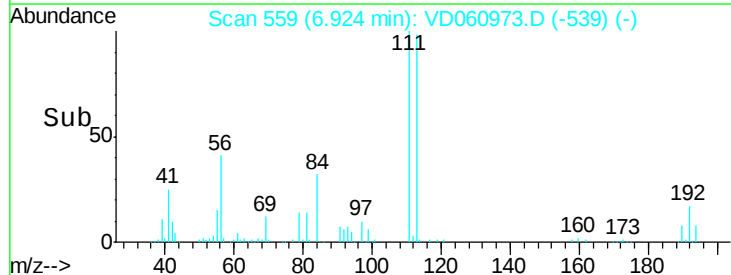
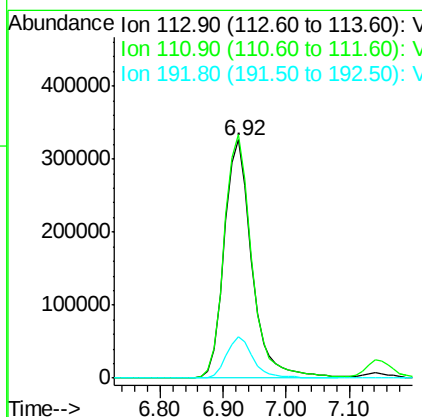
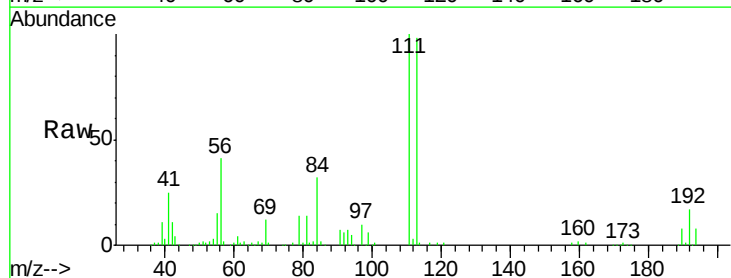
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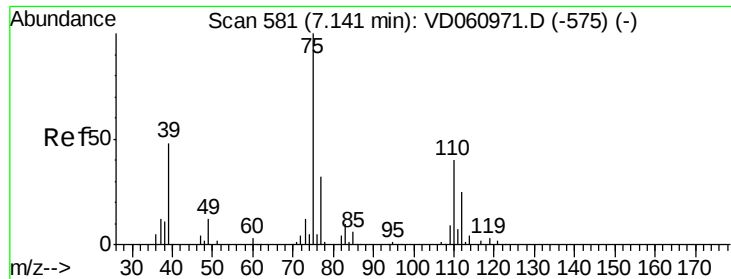
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion:113 Resp: 991059
 Ion Ratio Lower Upper
 113 100
 111 102.2 84.2 126.4
 192 17.3 13.1 19.7





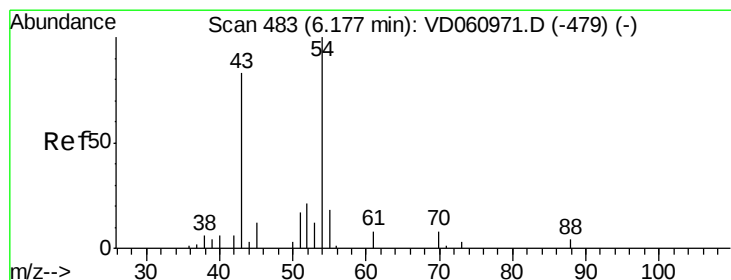
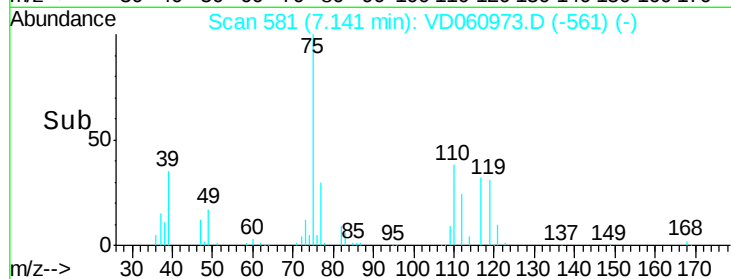
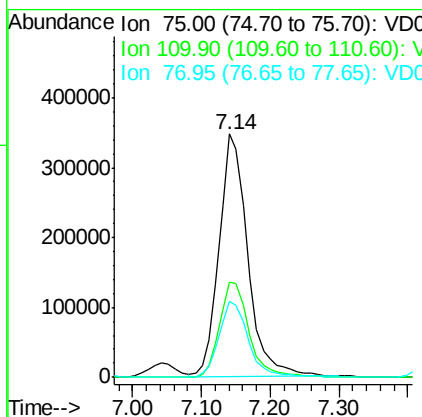
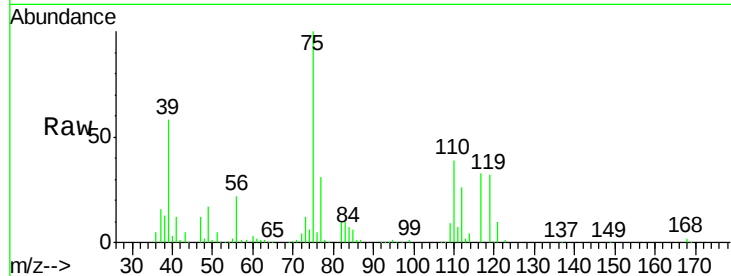
#36
 1,1-Dichloropropene
 Concen: 79.474 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.7	59.1
77	31.0	24.7	37.1

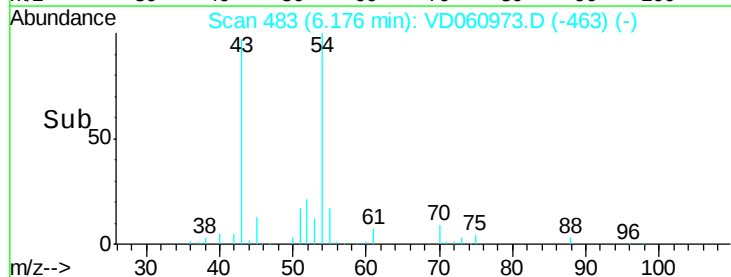
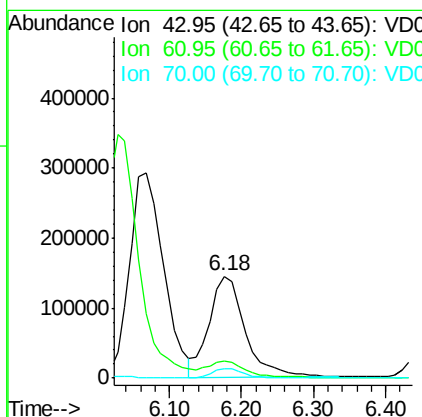
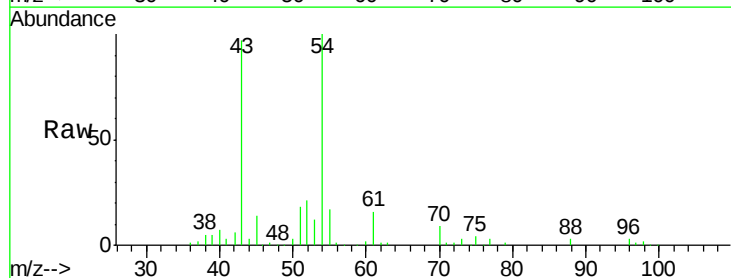
Manual Integrations
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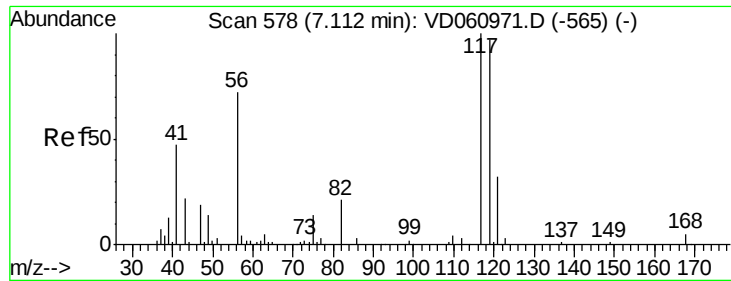
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#37
 Ethyl Acetate
 Concen: 76.965 ug/l
 RT: 6.18 min Scan# 483
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.3	13.7	20.5
70	9.2	7.1	10.7





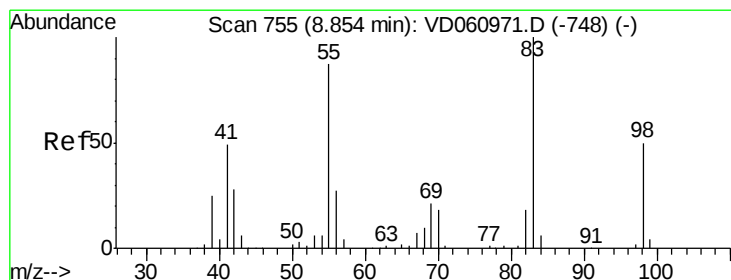
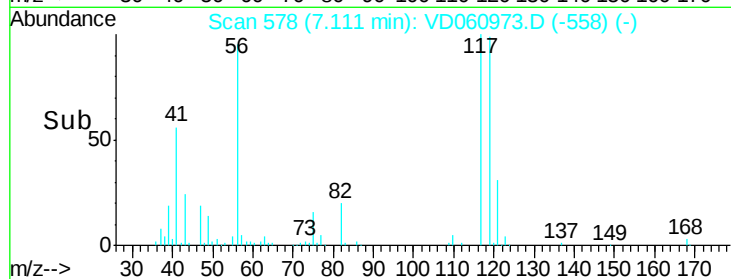
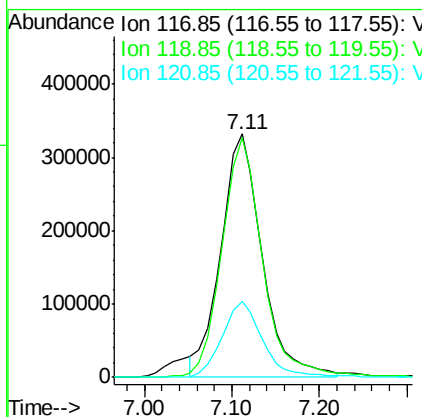
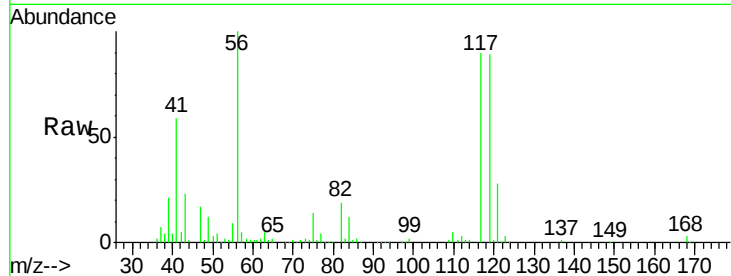
#38
Carbon Tetrachloride
Concen: 80.240 ug/l
RT: 7.11 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 1093093
Ion Ratio Lower Upper
117 100
119 98.7 77.8 116.8
121 31.4 25.3 37.9

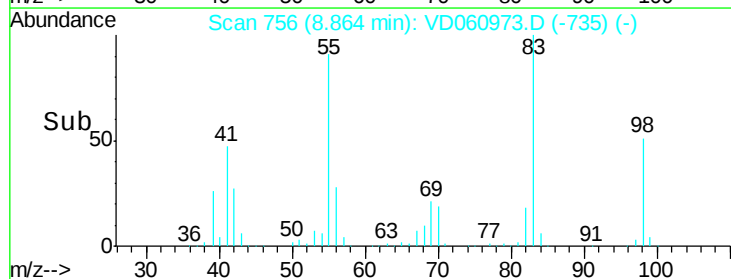
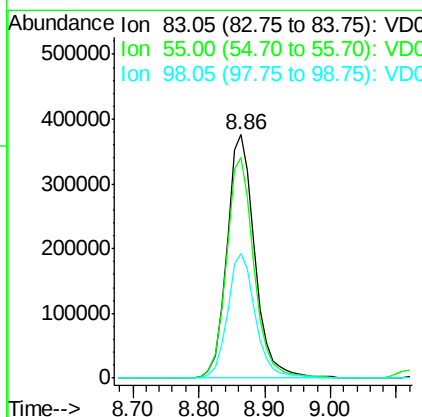
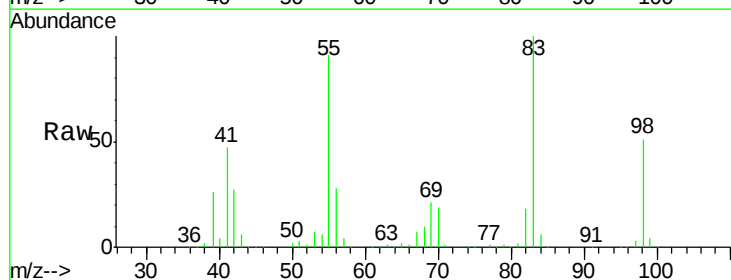
Manual Integrations
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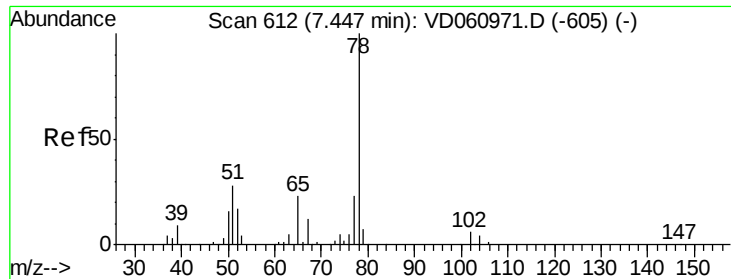
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#39
Methylcyclohexane
Concen: 81.115 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 83 Resp: 1111156
Ion Ratio Lower Upper
83 100
55 90.7 69.6 104.4
98 51.1 40.0 60.0





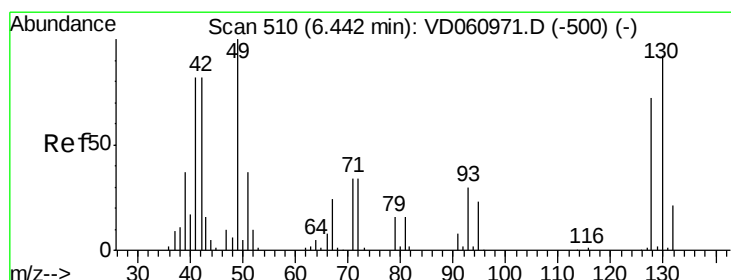
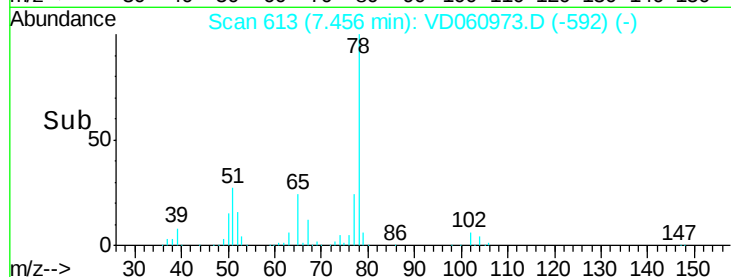
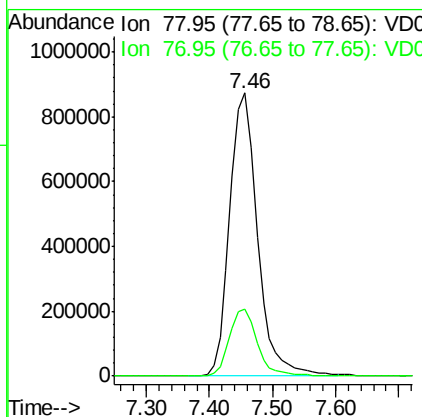
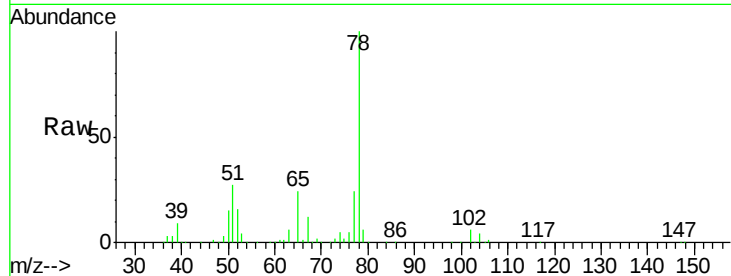
#40
Benzene
Concen: 82.521 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 78 Resp: 2676392
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

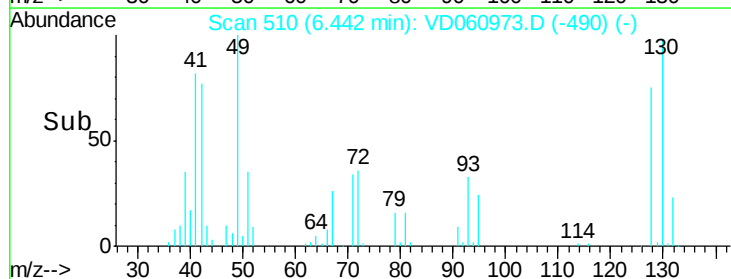
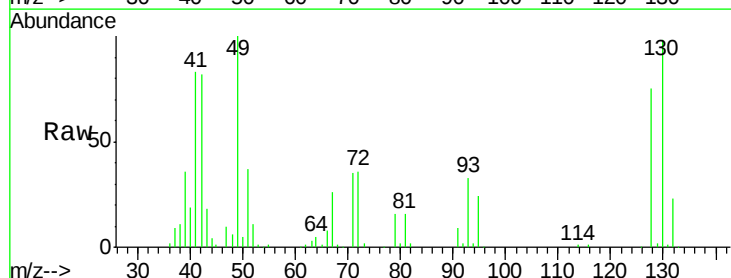
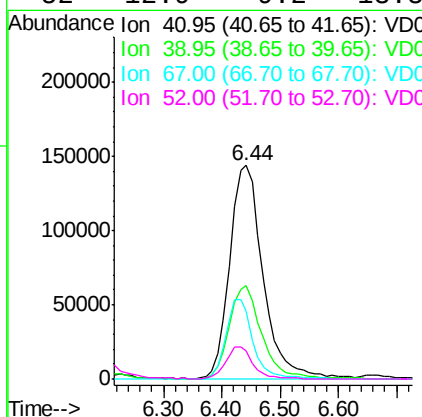
Manual Integrations
APPROVED

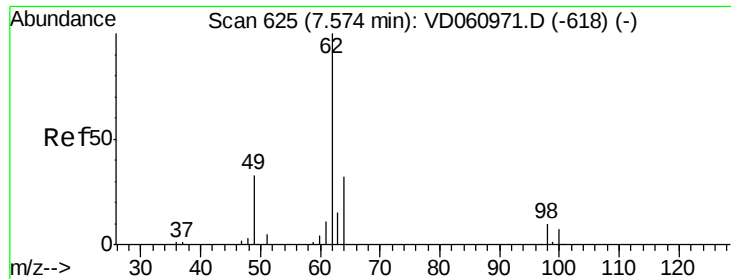
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3/8/2019 9:46:28 PM



#41
Methacrylonitrile
Concen: 123.938 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion: 41 Resp: 570494
Ion Ratio Lower Upper
41 100
39 43.9 35.7 53.5
67 31.6 23.0 34.6
52 12.9 9.2 13.8





#42

1,2-Dichloroethane

Concen: 83.672 ug/l

RT: 7.57 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 62 Resp: 768171

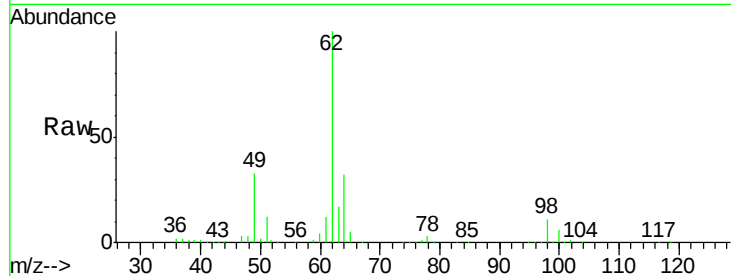
Ion Ratio Lower Upper

62 100

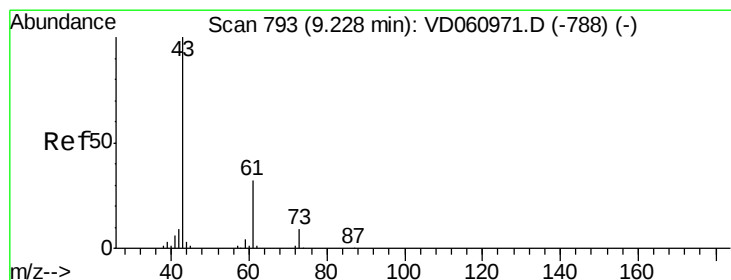
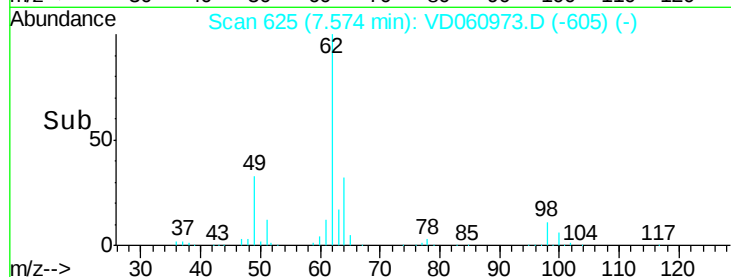
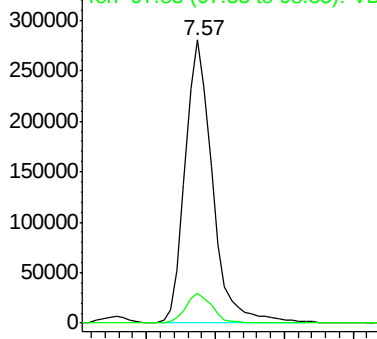
98 10.7 0.0 20.4

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Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#43

Isopropyl Acetate

Concen: 79.705 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

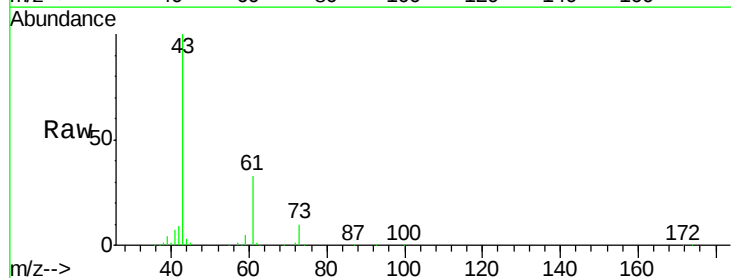
Tgt Ion: 43 Resp: 712274

Ion Ratio Lower Upper

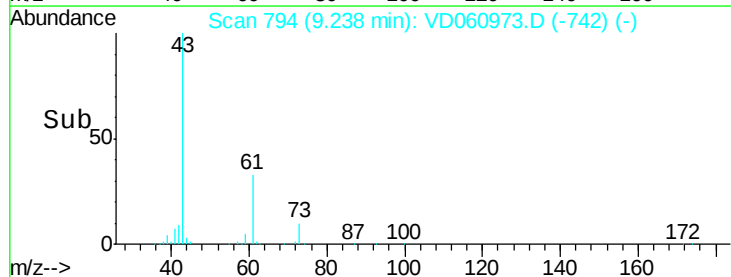
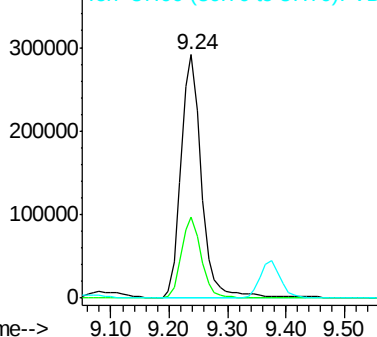
43 100

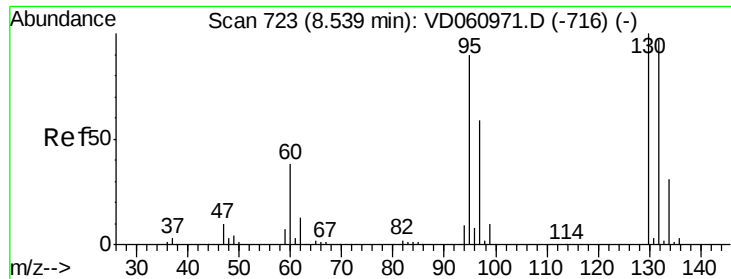
61 33.3 25.6 38.4

87 0.3 0.2 0.4



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





#44

Trichloroethene

Concen: 89.329 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:130 Resp: 983051

Ion Ratio Lower Upper

130 100

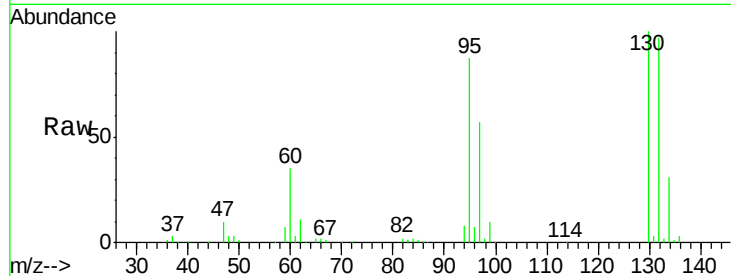
95 87.1 0.0 179.4

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

8.54

400000

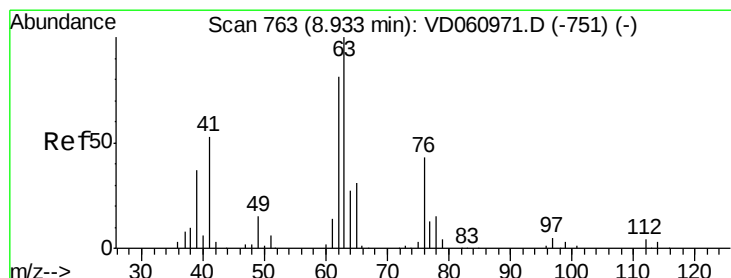
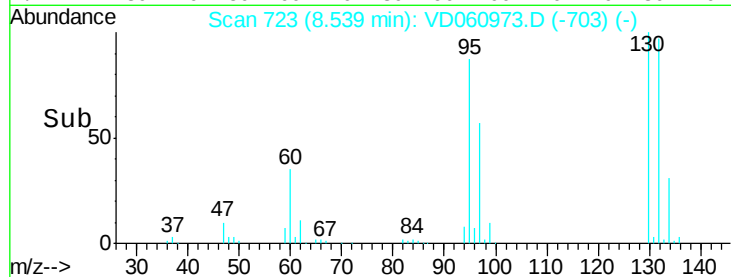
300000

200000

100000

0

Time-->



#45

1,2-Dichloropropane

Concen: 84.518 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD060973.D

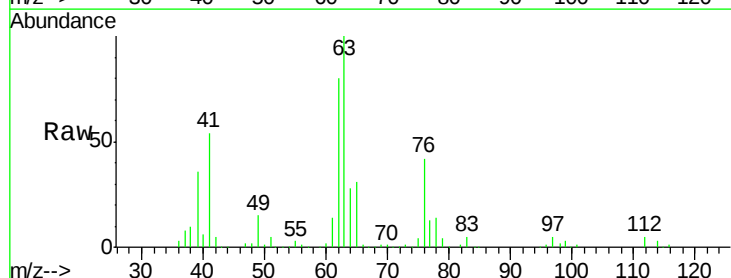
Acq: 7 Mar 2019 17:26

Tgt Ion: 63 Resp: 720298

Ion Ratio Lower Upper

63 100

65 31.2 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

300000

250000

200000

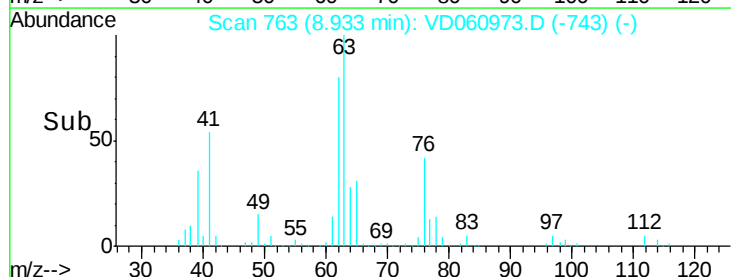
150000

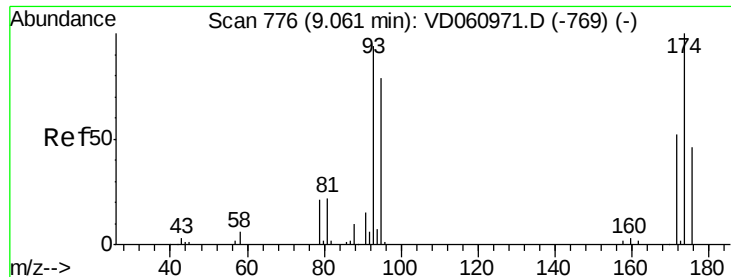
100000

50000

0

Time-->





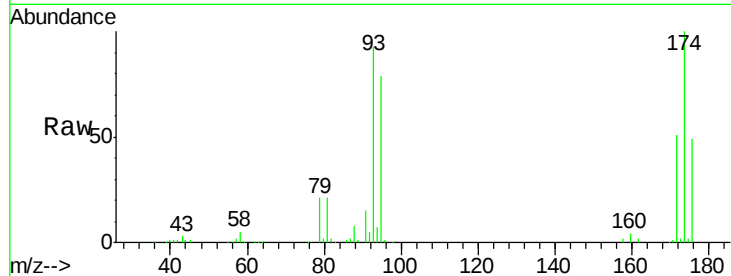
#46
Dibromomethane
Concen: 86.546 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

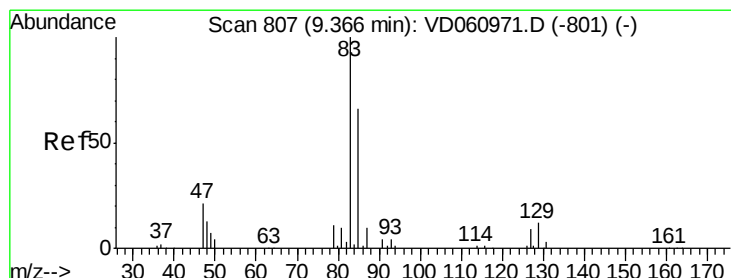
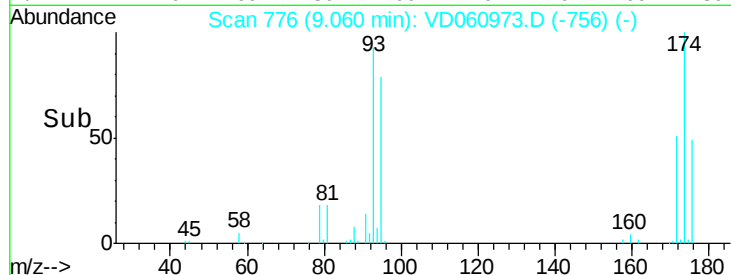
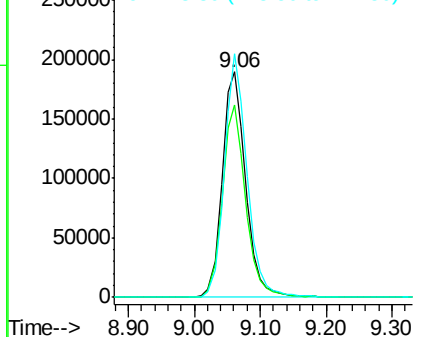
Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		471884		
95	85.4	67.4	101.0		
174	108.0	85.4	128.0		

Manual Integrations
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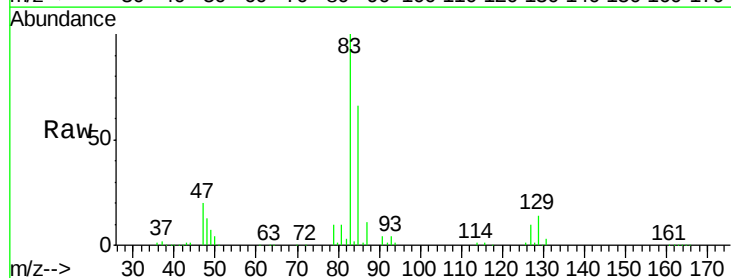


Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V

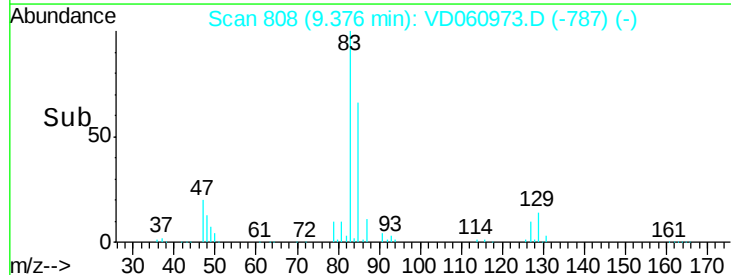
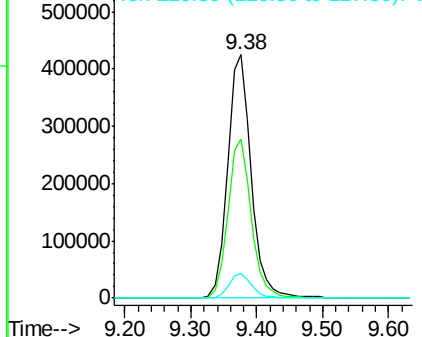


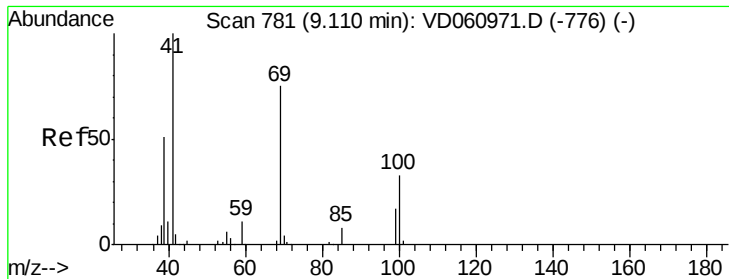
#47
Bromodichloromethane
Concen: 87.788 ug/l
RT: 9.38 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		1062352		
85	65.6	52.5	78.7		
127	10.3	7.5	11.3		



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V





#48

Methyl methacrylate

Concen: 75.966 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

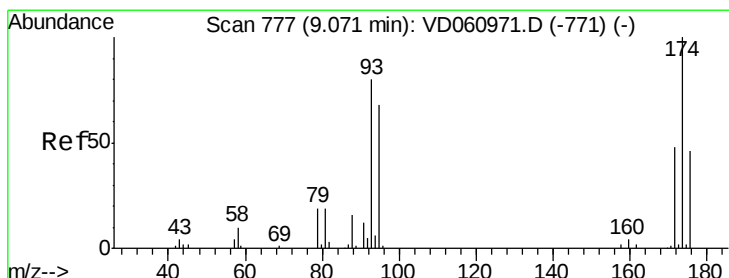
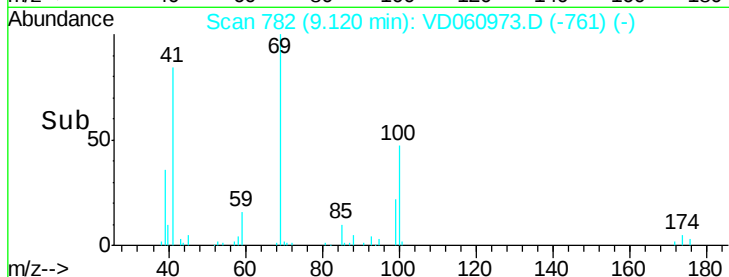
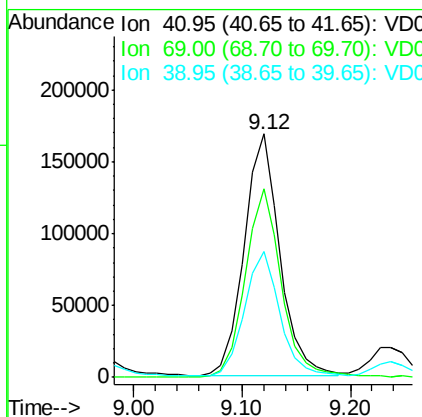
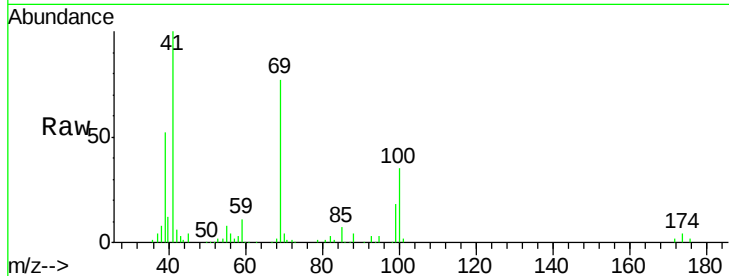
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	383807
Ion Ratio		Lower	Upper
41	100		
69	77.2	59.9	89.9
39	51.7	40.9	61.3

Manual Integrations
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#49

1,4-Dioxane

Concen: 1666.871 ug/l

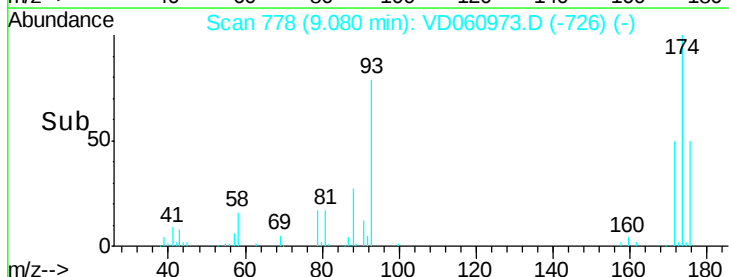
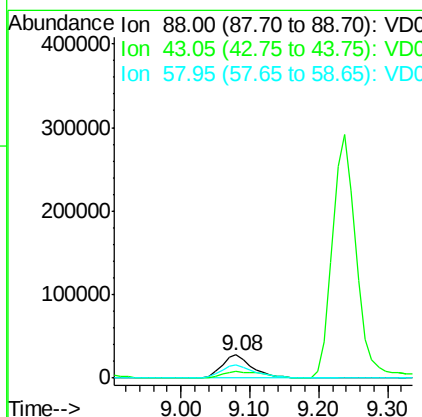
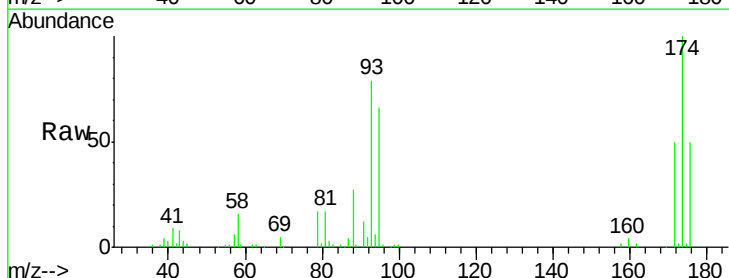
RT: 9.08 min Scan# 778

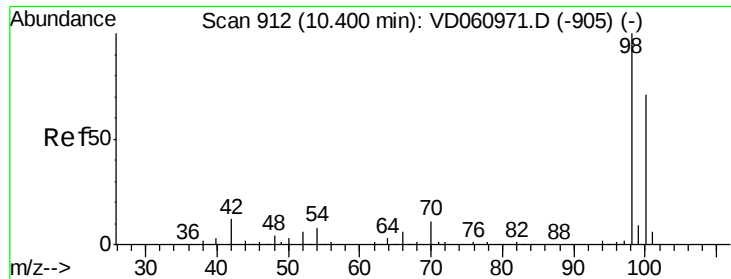
Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Tgt Ion:	88	Resp:	86434
Ion Ratio		Lower	Upper
88	100		
43	28.7	21.0	31.6
58	57.7	48.6	72.8





#50

Toluene-d8

Concen: 1666.871 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Tot Ion: 98 Resp: 2300752

Ion Ratio Lower Upper

98 100

100 70.7 57.4 86.2

Instrument :

MSVOA_D

ClientSampleId :

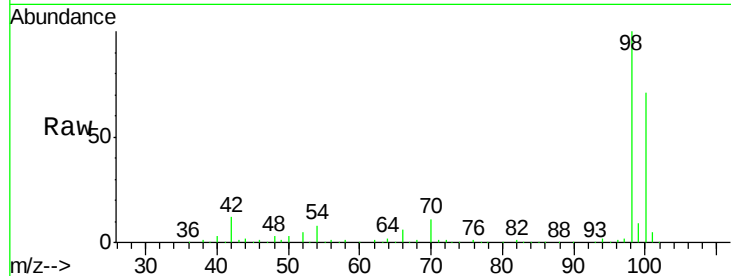
VSTDIC100

Manual Integrations

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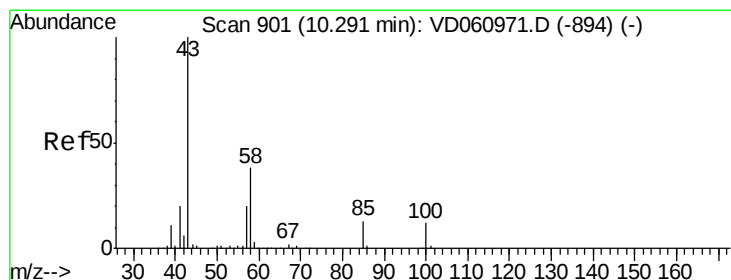
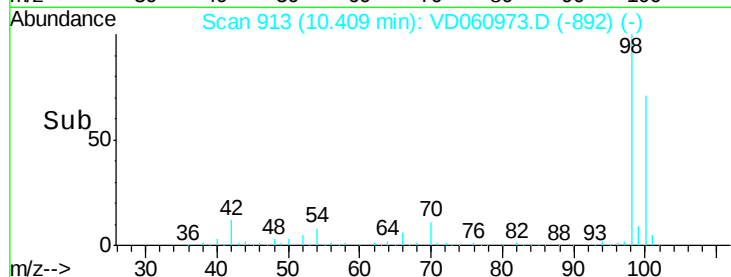
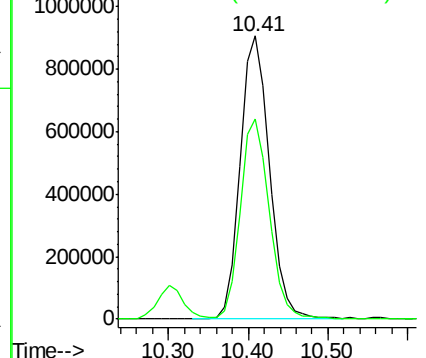
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Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#51

4-Methyl-2-Pentanone

Concen: 360.404 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060973.D

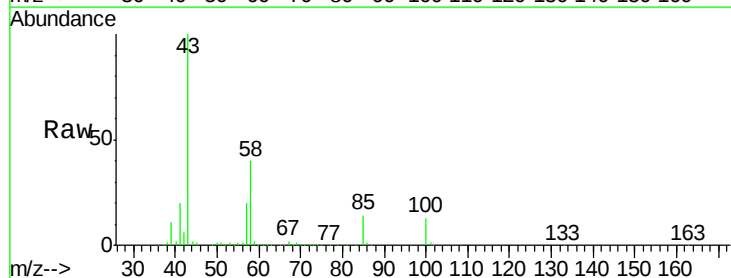
Acq: 7 Mar 2019 17:26

Tgt Ion: 43 Resp: 1966512

Ion Ratio Lower Upper

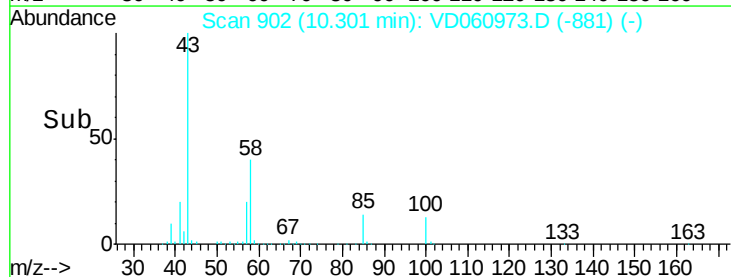
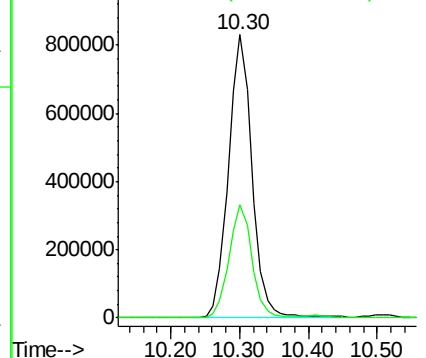
43 100

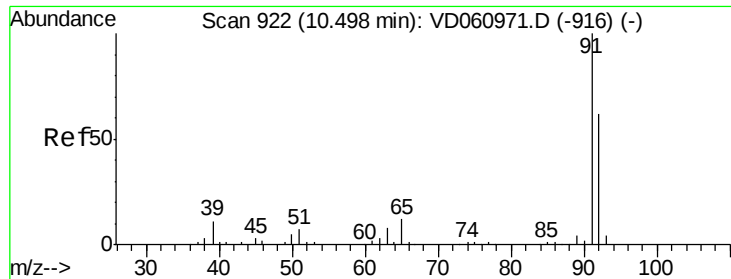
58 39.9 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#52

Toluene

Concen: 74.185 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 92 Resp: 1531267

Ion Ratio Lower Upper

92 100

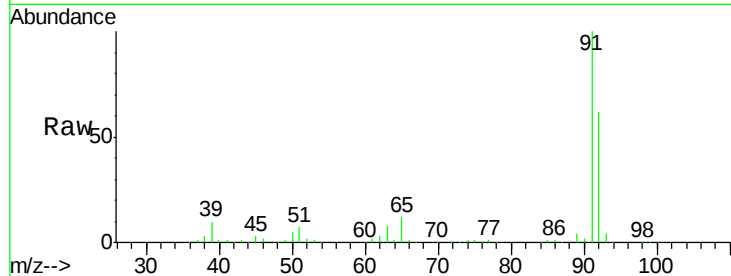
91 162.5 129.8 194.8

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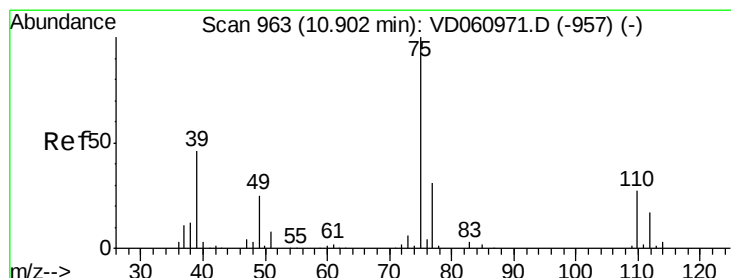
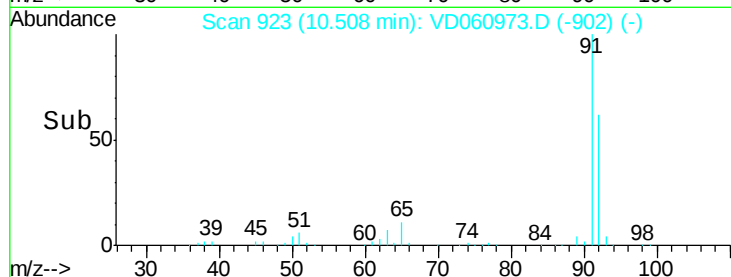
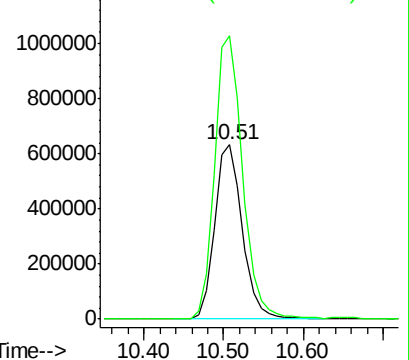
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3/8/2019 9:46:28 PM



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 85.667 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD060973.D

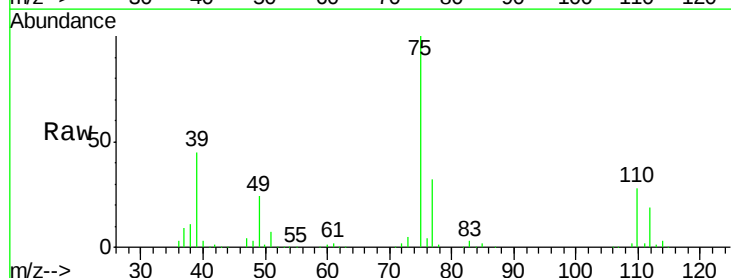
Acq: 7 Mar 2019 17:26

Tgt Ion: 75 Resp: 941897

Ion Ratio Lower Upper

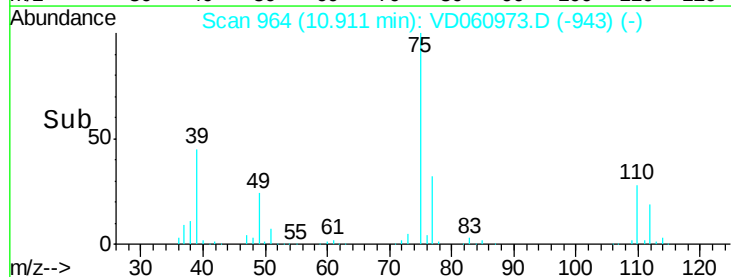
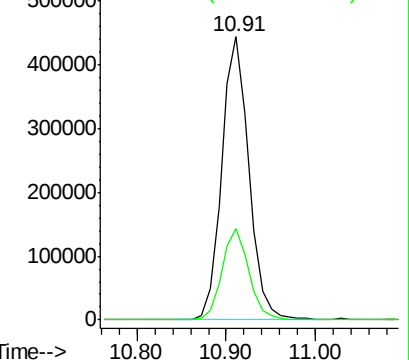
75 100

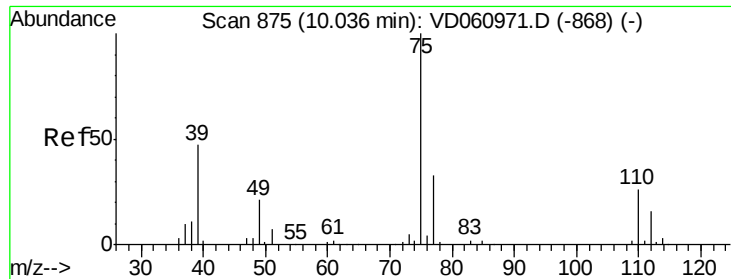
77 32.3 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#54

cis-1,3-Dichloropropene

Concen: 86.738 ug/l

RT: 10.04 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 1169730

Ion Ratio Lower Upper

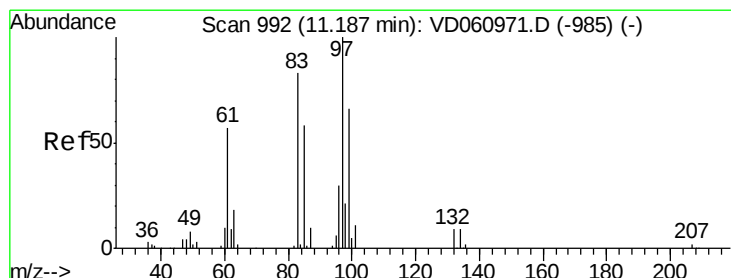
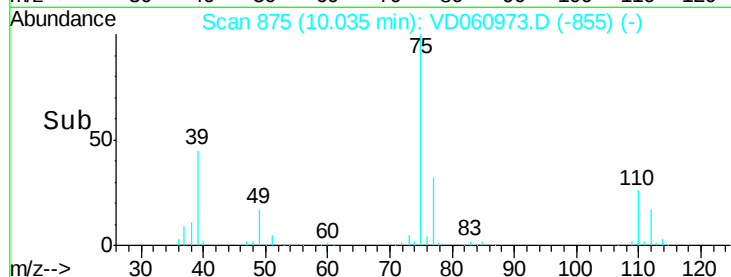
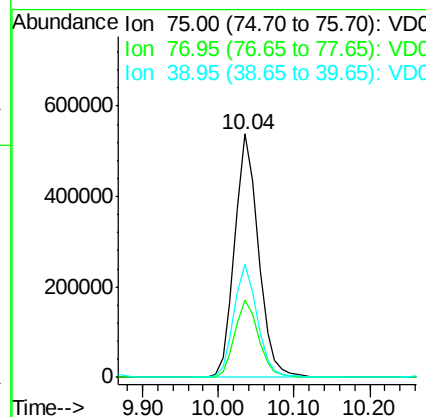
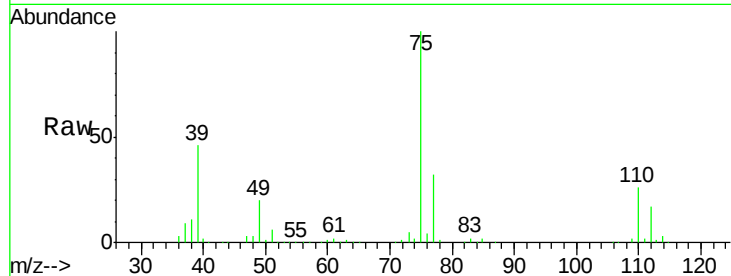
75 100

77 31.7 26.2 39.4

39 46.3 37.8 56.8

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3/8/2019 9:46:28 PM



#55

1,1,2-Trichloroethane

Concen: 83.692 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Tgt Ion: 97 Resp: 571186

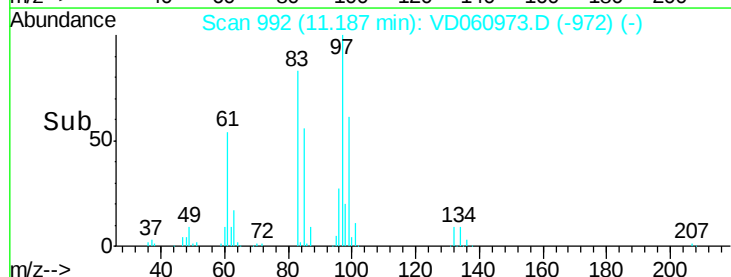
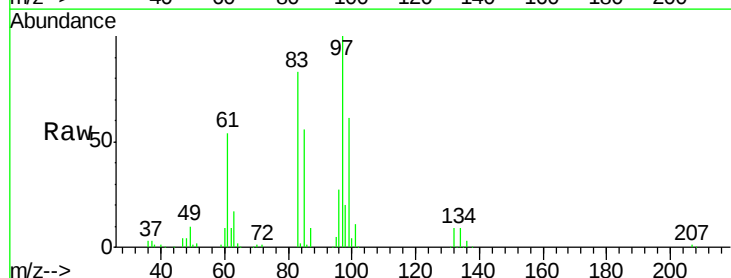
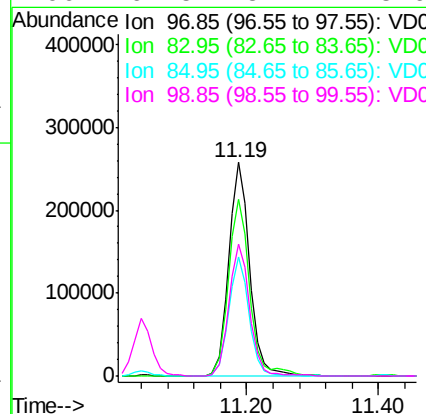
Ion Ratio Lower Upper

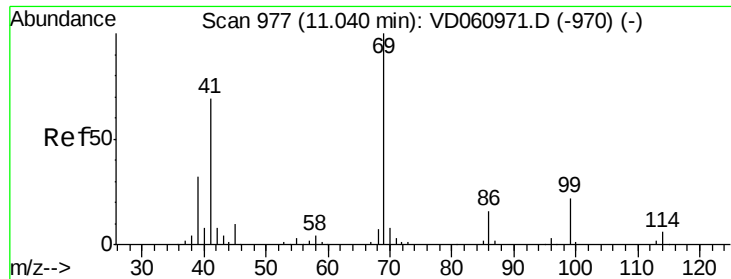
97 100

83 82.9 66.6 100.0

85 55.6 46.4 69.6

99 61.5 52.4 78.6





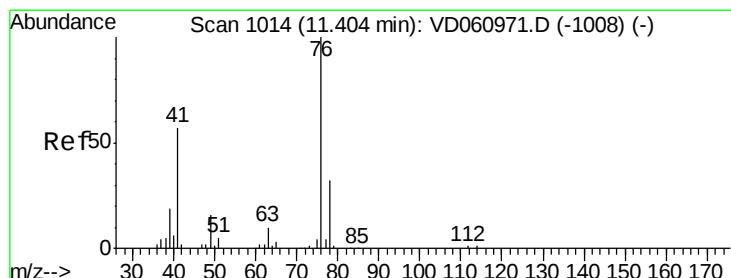
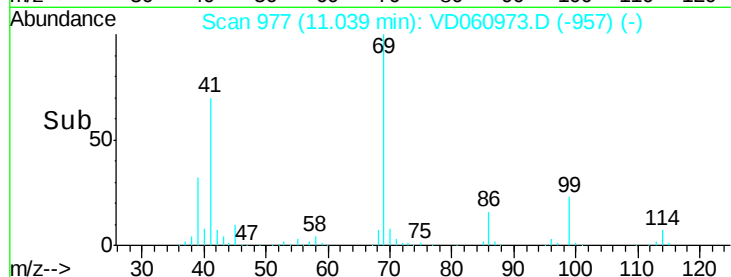
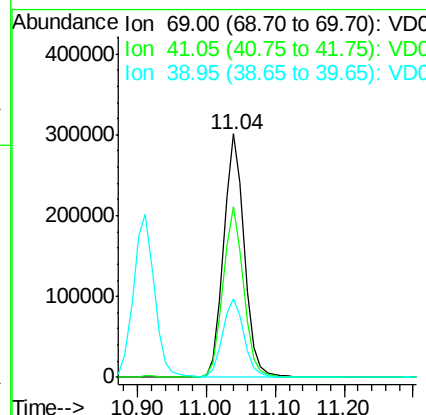
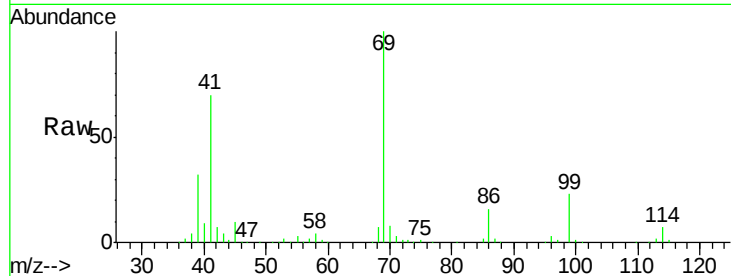
#56
Ethyl methacrylate
Concen: 87.352 ug/l
RT: 11.04 min Scan# 977
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
69	100	625787		
41	70.0		55.5	83.3
39	32.0		26.2	39.2

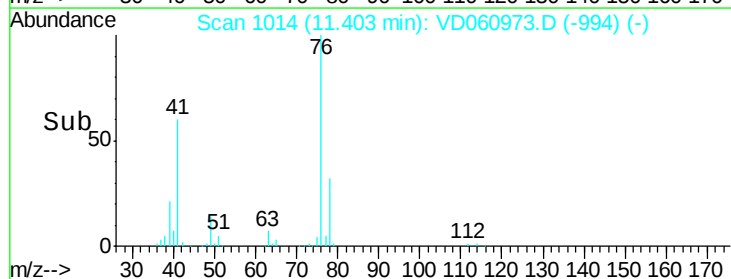
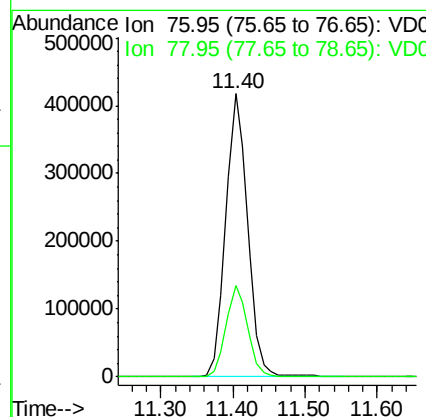
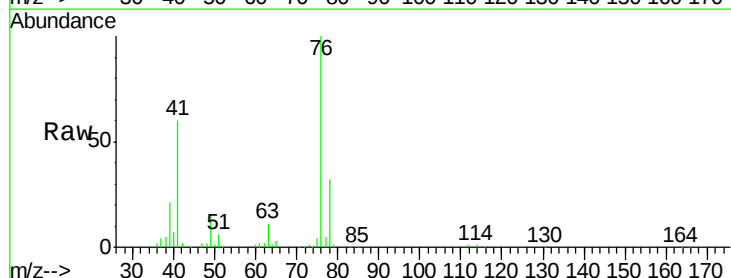
Manual Integrations
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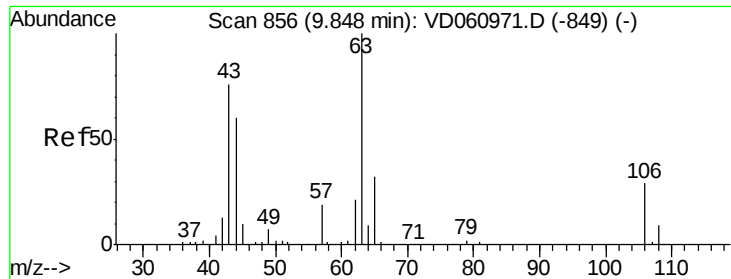
MMDadoda
3/8/2019 9:46:28 PM



#57
1,3-Dichloropropane
Concen: 88.872 ug/l
RT: 11.40 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
76	100	876848		
78	32.3		25.4	38.0





#58

2-Chloroethyl Vinyl ether

Concen: 377.026 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1446174

Ion Ratio Lower Upper

63 100

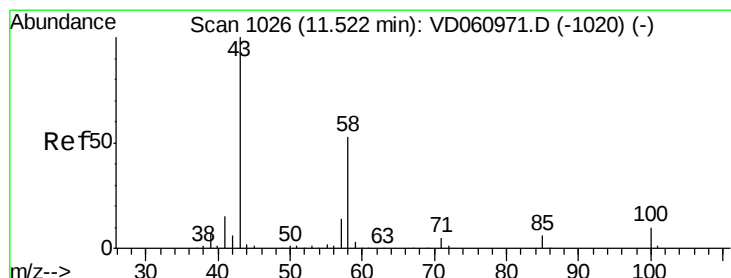
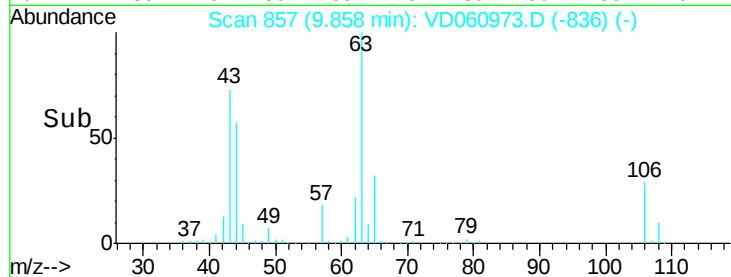
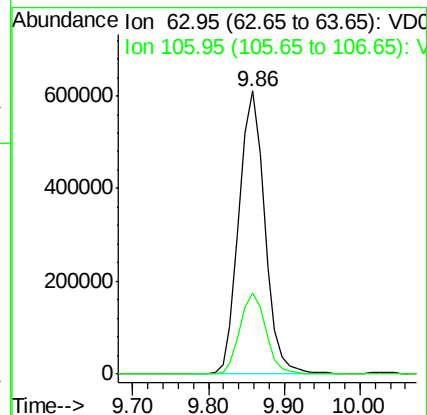
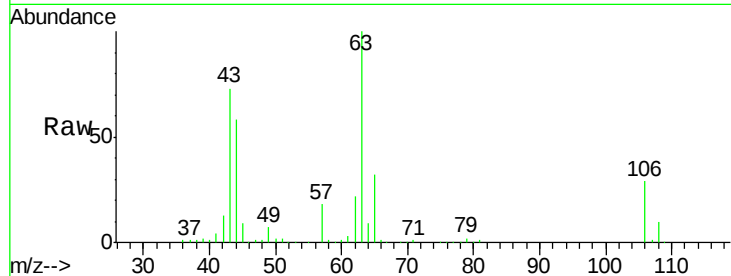
106 28.5 22.8 34.2

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#59

2-Hexanone

Concen: 373.361 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. 0.01 min

Lab File: VD060973.D

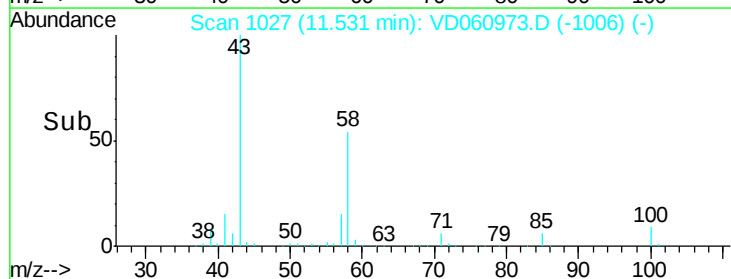
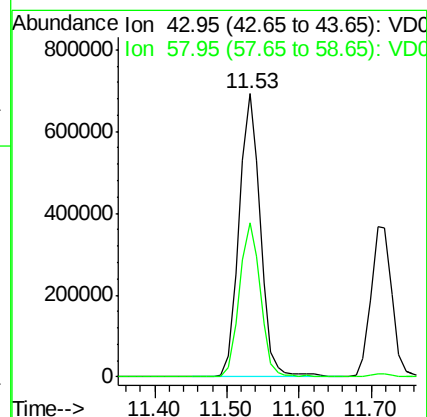
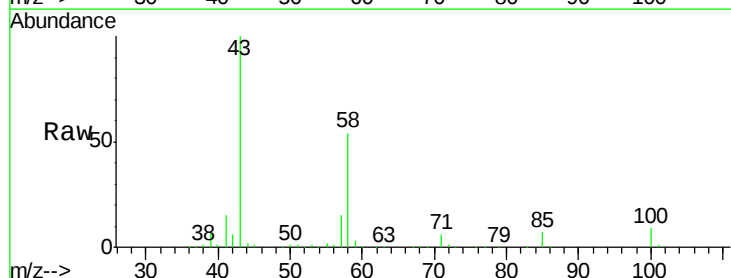
Acq: 7 Mar 2019 17:26

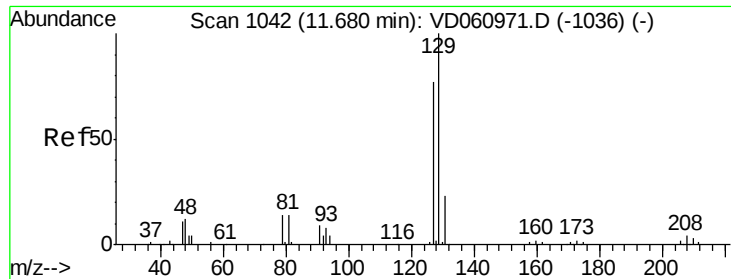
Tgt Ion: 43 Resp: 1429538

Ion Ratio Lower Upper

43 100

58 54.3 26.5 79.5





#60

Dibromochloromethane

Concen: 86.071 ug/l

RT: 11.68 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:129 Resp: 848681

Ion Ratio Lower Upper

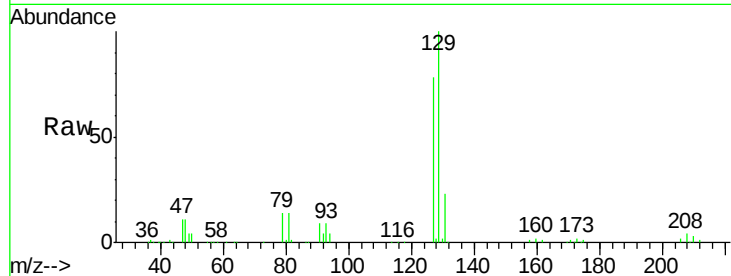
129 100

127 77.6 38.3 114.9

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.68

400000

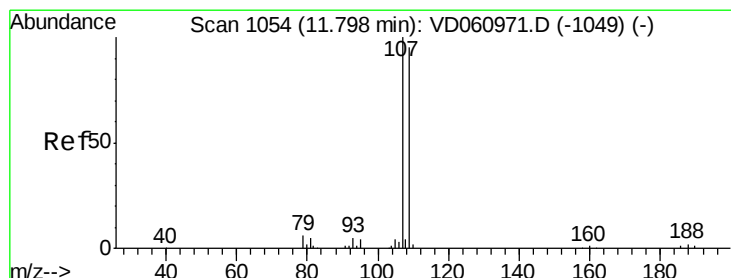
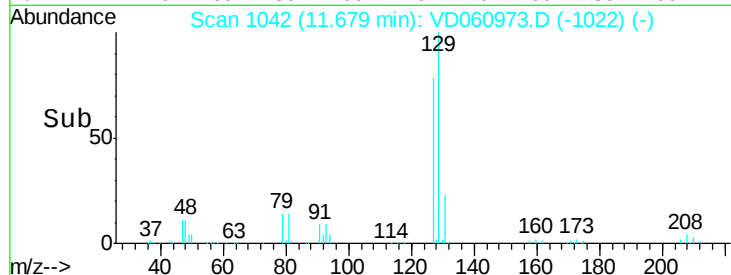
300000

200000

100000

0

Time-->



#61

1,2-Dibromoethane

Concen: 83.059 ug/l

RT: 11.81 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VD060973.D

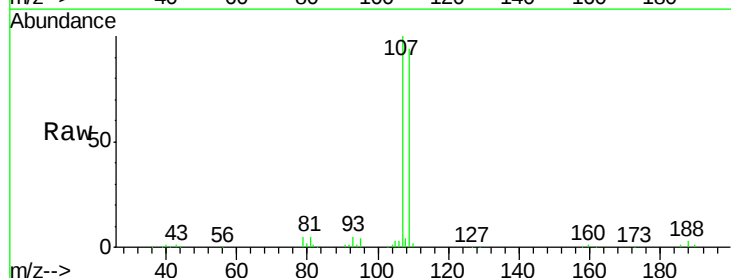
Acq: 7 Mar 2019 17:26

Tgt Ion:107 Resp: 666089

Ion Ratio Lower Upper

107 100

109 94.1 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.81

400000

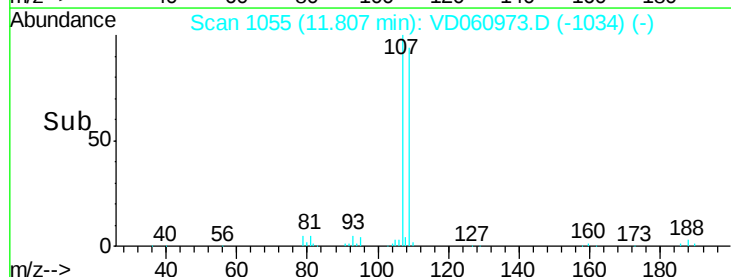
300000

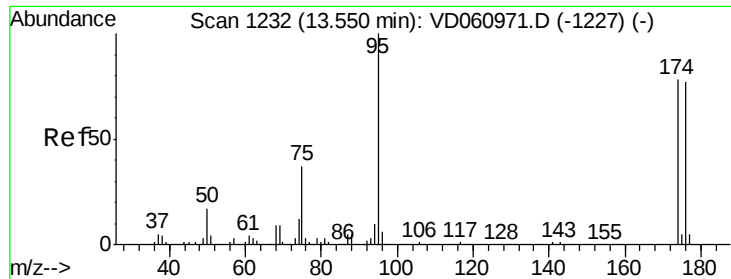
200000

100000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 83.059 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 95 Resp: 860010

Ion Ratio Lower Upper

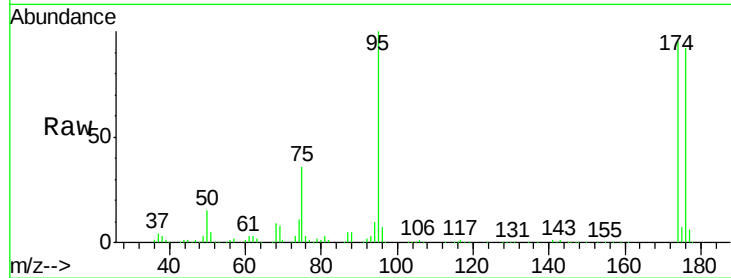
95 100

174 94.9 0.0 155.6

176 92.5 0.0 153.8

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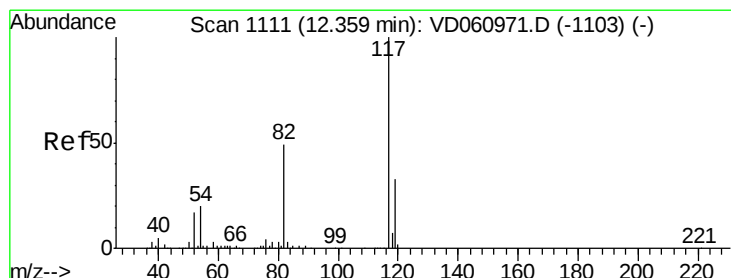
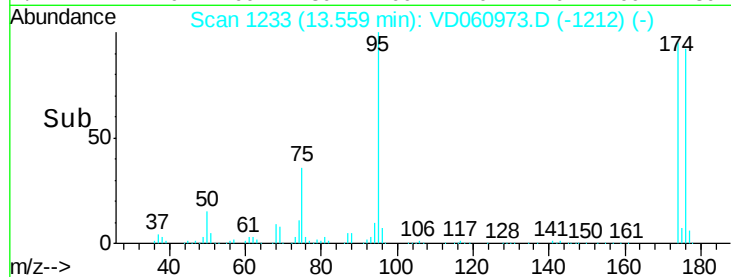
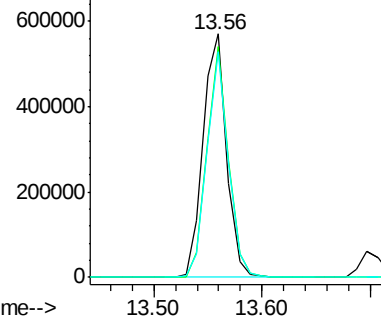
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Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

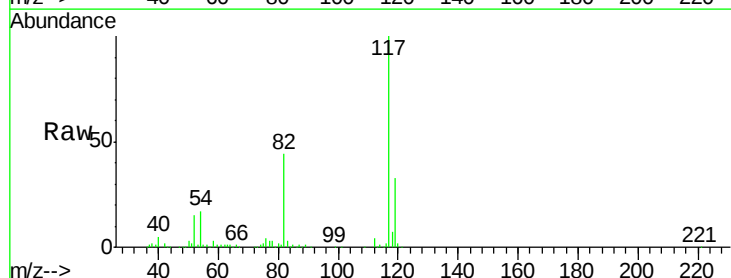
Tgt Ion: 117 Resp: 1081868

Ion Ratio Lower Upper

117 100

82 44.5 38.9 58.3

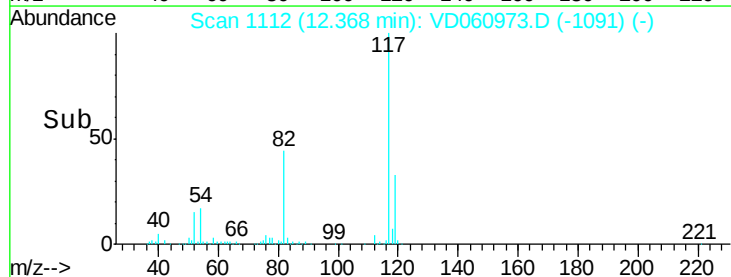
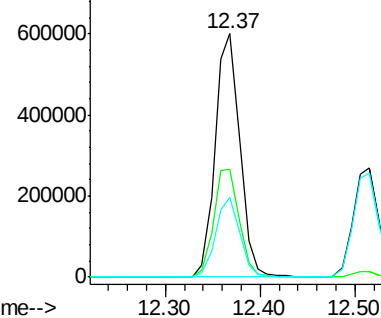
119 33.0 26.6 39.8

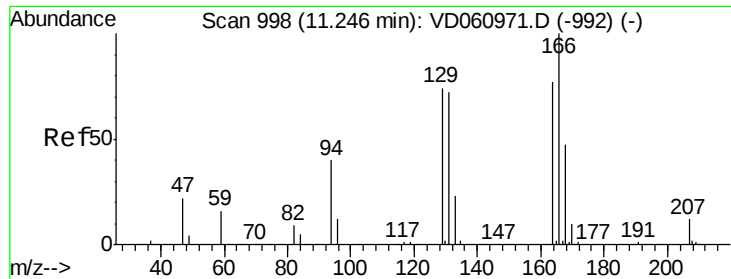


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#64

Tetrachloroethene

Concen: 83.848 ug/l

RT: 11.26 min Scan# 999

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 685827

Ion Ratio Lower Upper

164 100

166 129.7 103.4 155.0

129 93.8 76.9 115.3

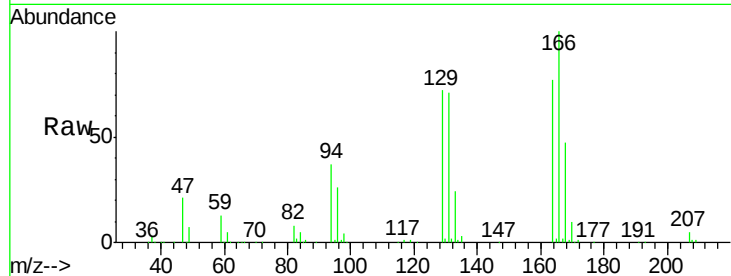
131 92.2 74.4 111.6

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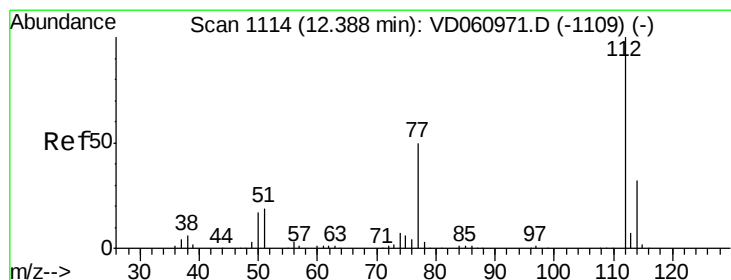
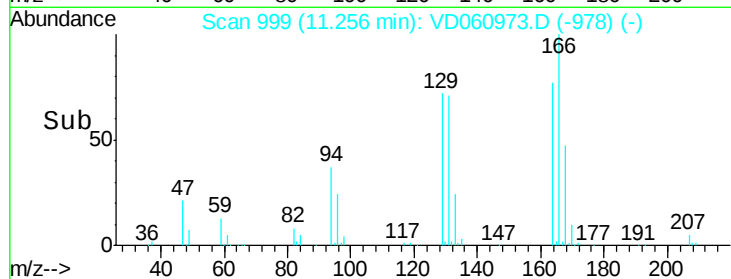
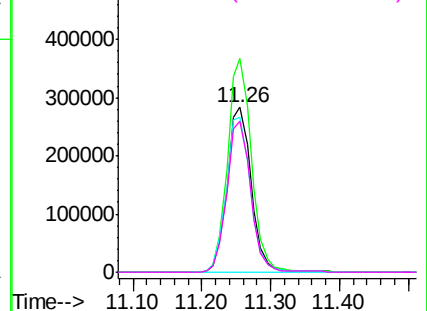


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 86.454 ug/l

RT: 12.40 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VD060973.D

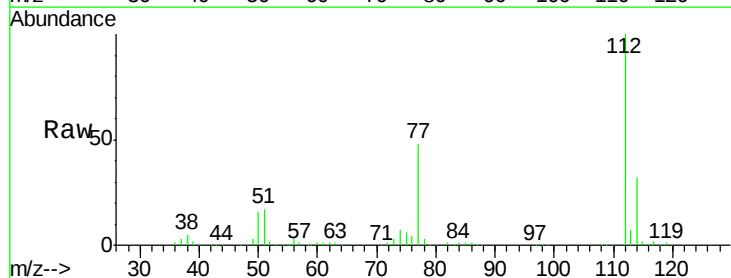
Acq: 7 Mar 2019 17:26

Tgt Ion:112 Resp: 2048358

Ion Ratio Lower Upper

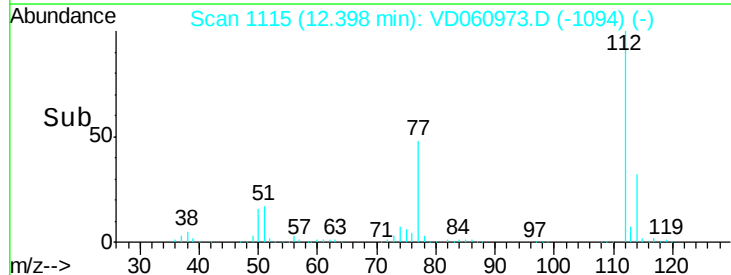
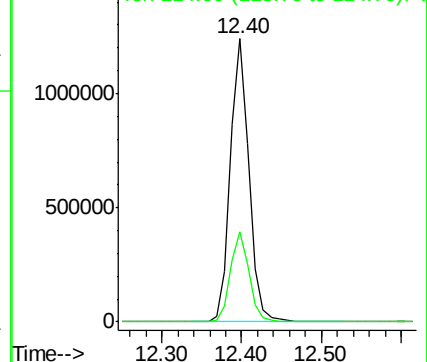
112 100

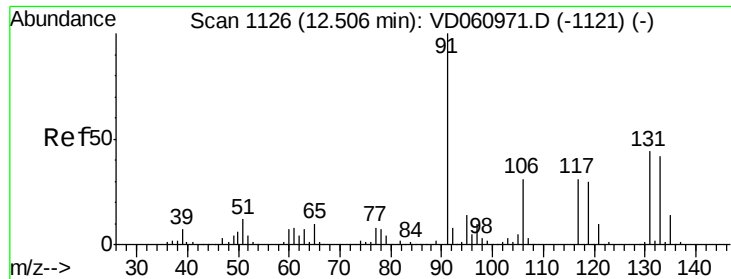
114 31.9 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V





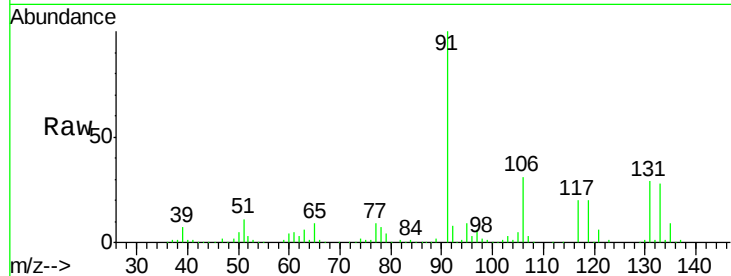
#66
 1,1,1,2-Tetrachloroethane
 Concen: 80.956 ug/l
 RT: 12.52 min Scan# 1127
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

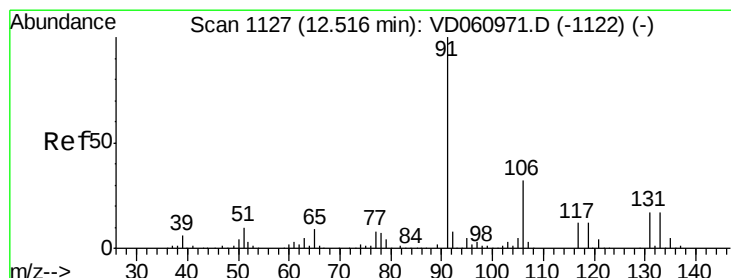
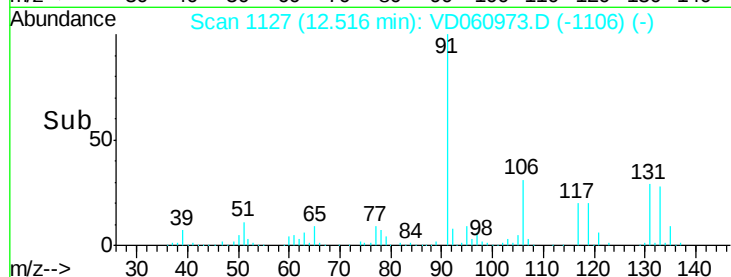
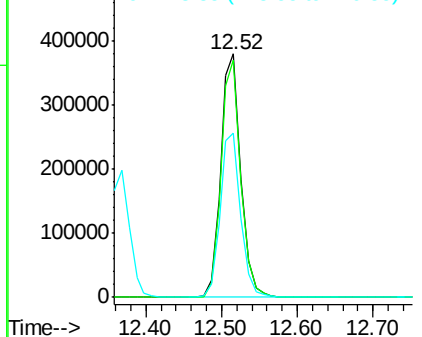
Tot Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.8	143.3
119	67.6	34.3	102.9

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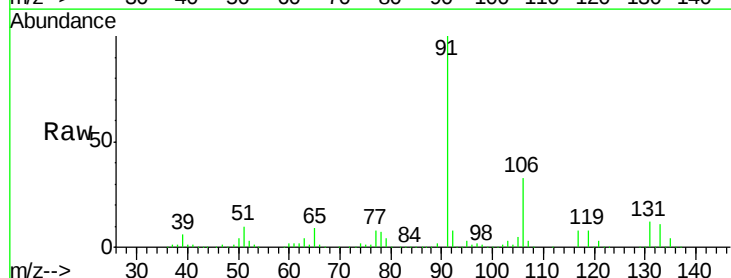


Abundance Ion 130.90 (130.60 to 131.60): V
 Ion 132.90 (132.60 to 133.60): V
 Ion 118.85 (118.55 to 119.55): V

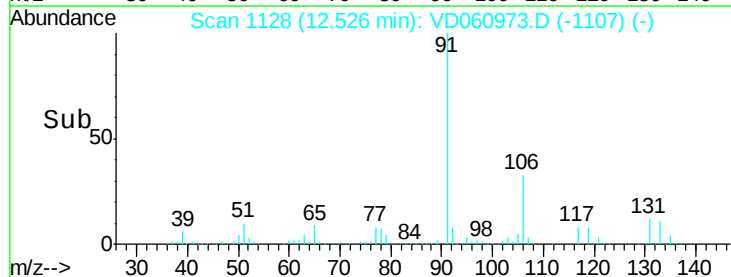
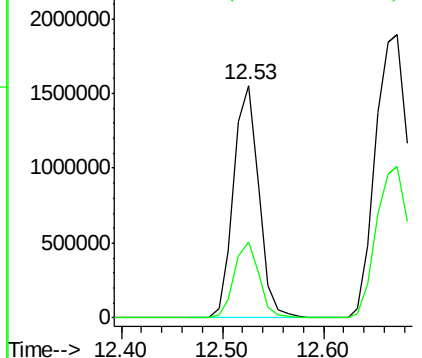


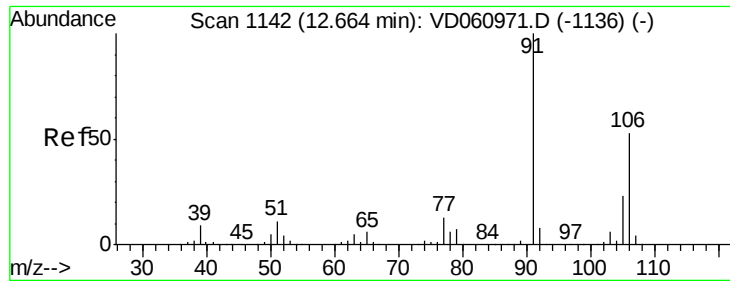
#67
 Ethyl Benzene
 Concen: 77.829 ug/l
 RT: 12.53 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.7	38.5



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





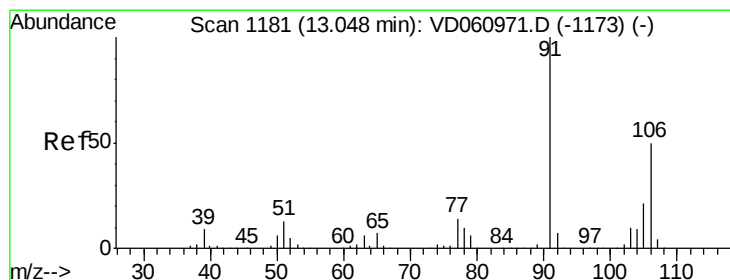
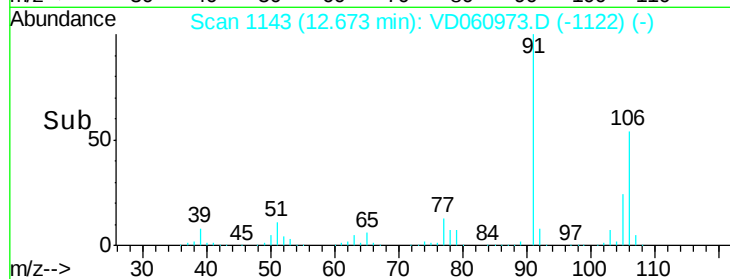
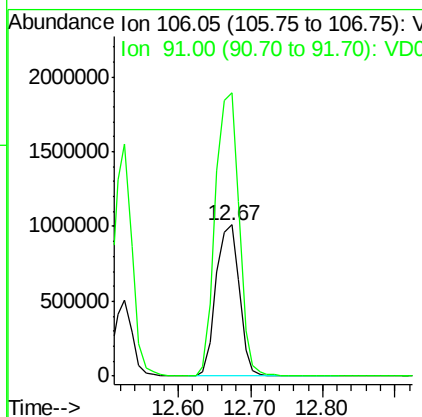
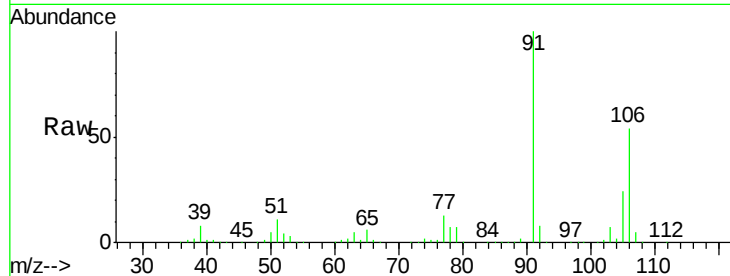
#68
m/p-Xvlenes
Concen: 161.434 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2244161
Ion Ratio Lower Upper
106 100
91 186.8 152.0 228.0

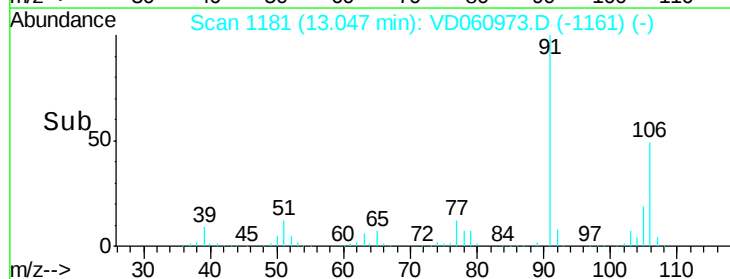
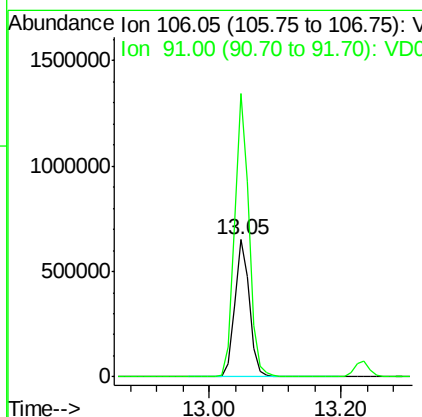
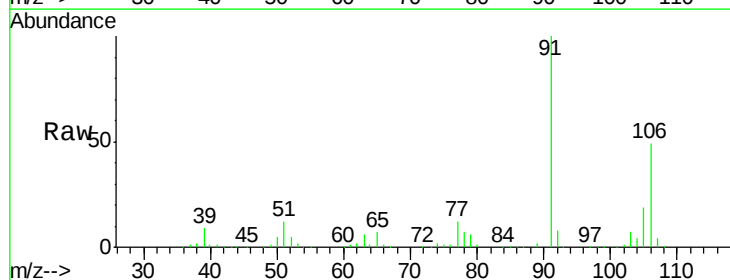
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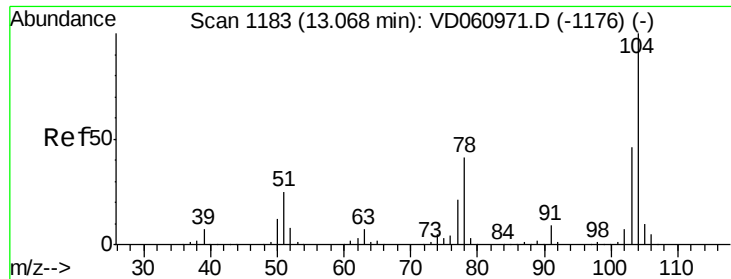
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#69
o-Xylene
Concen: 78.592 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion:106 Resp: 1016022
Ion Ratio Lower Upper
106 100
91 206.0 99.8 299.3





#70

Stvrene

Concen: 81.751 ug/l

RT: 13.07 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:104 Resp: 1763998

Ion Ratio Lower Upper

104 100

78 43.7 33.0 49.4

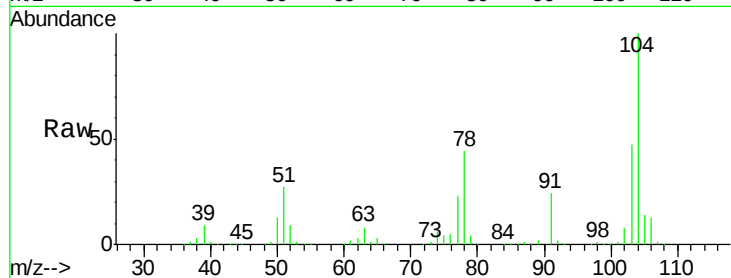
103 46.9 37.1 55.7

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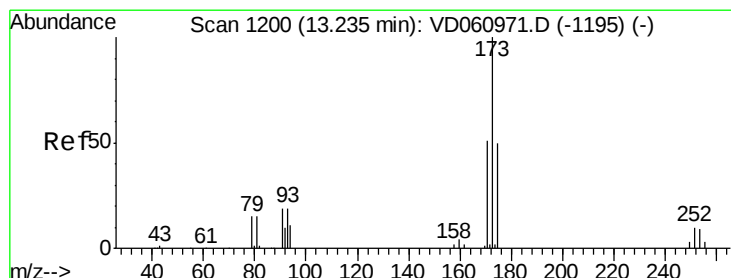
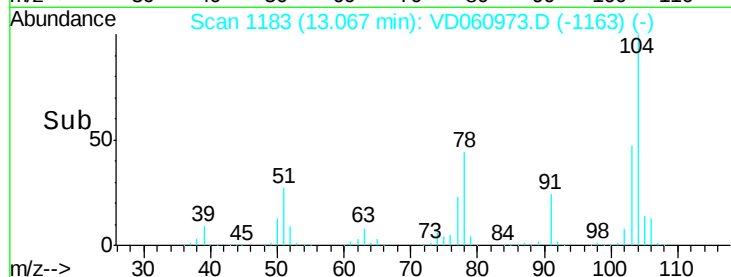
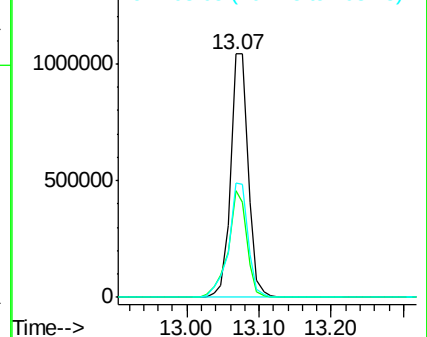
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Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#71

Bromoform

Concen: 88.705 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

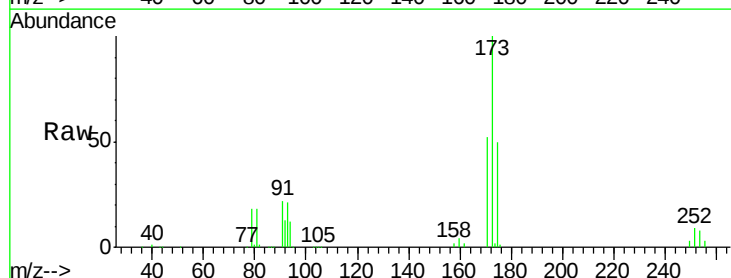
Tgt Ion:173 Resp: 478468

Ion Ratio Lower Upper

173 100

175 50.4 24.9 74.8

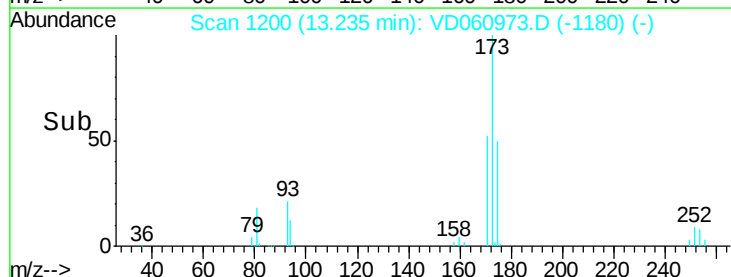
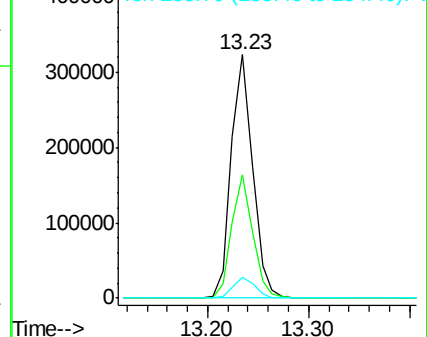
254 8.4 7.3 10.9

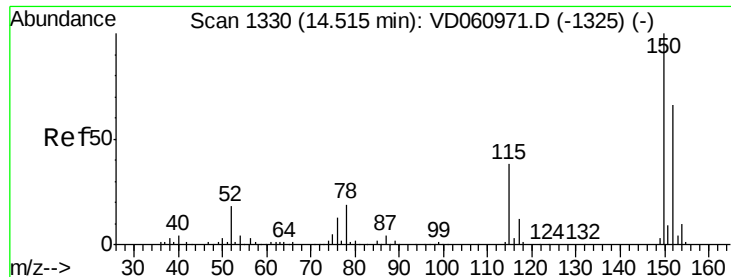


Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:152 Resp: 437897

Ion Ratio Lower Upper

152 100

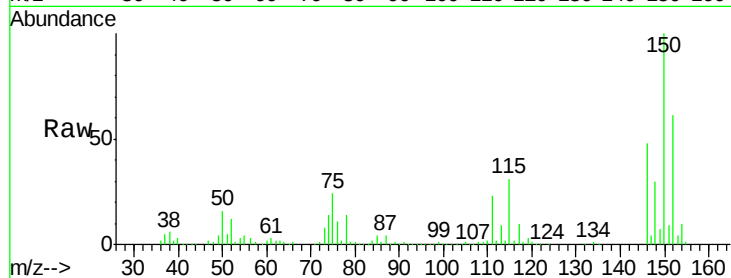
115 50.0 28.6 85.9

150 163.1 0.0 310.6

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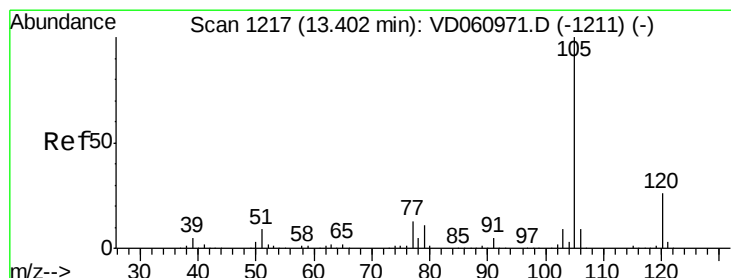
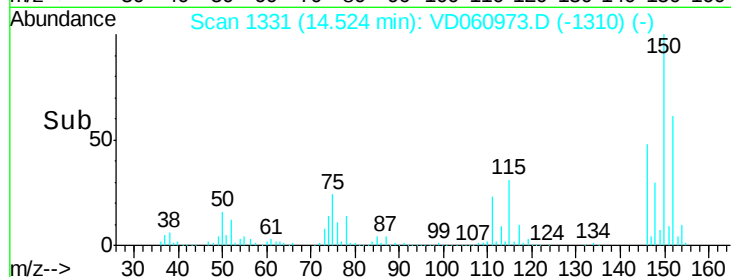
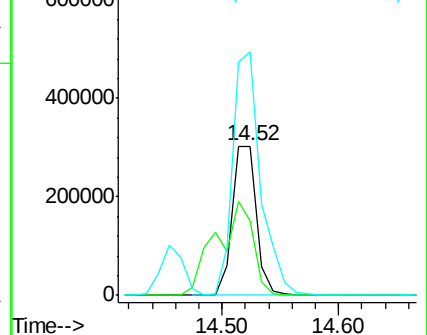
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 89.411 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD060973.D

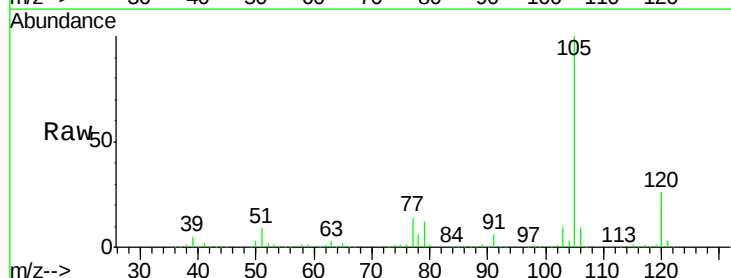
Acq: 7 Mar 2019 17:26

Tgt Ion:105 Resp: 2992394

Ion Ratio Lower Upper

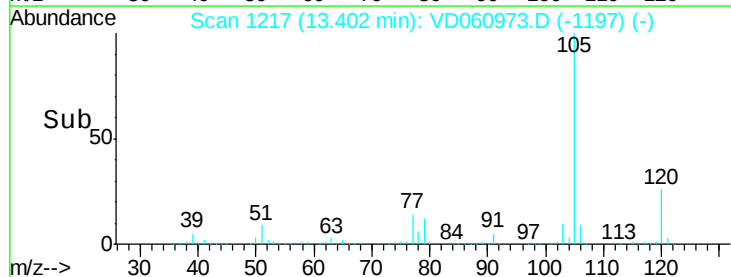
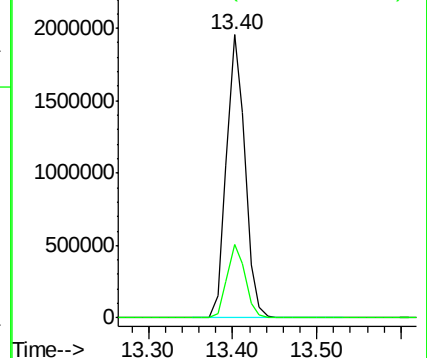
105 100

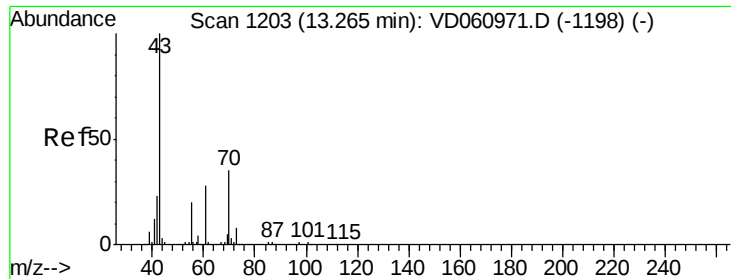
120 25.8 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 84.333 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

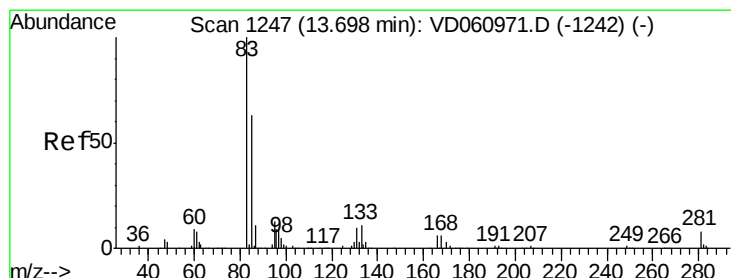
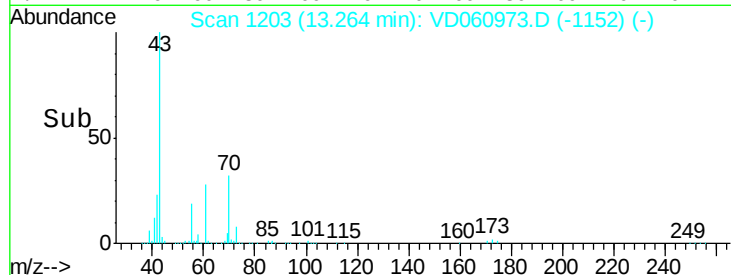
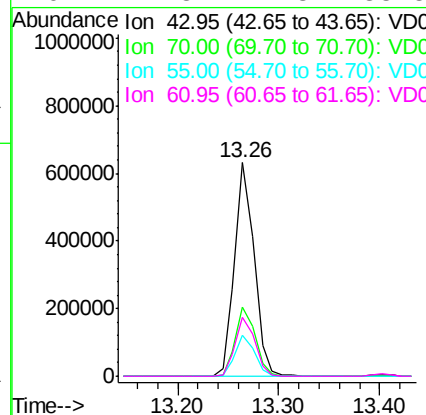
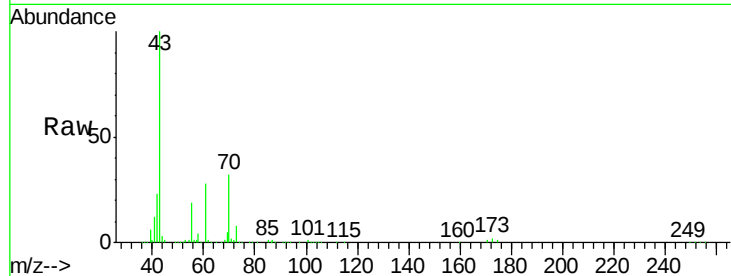
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	853204
Ion	Ratio	Lower	Upper
43	100		
70	32.4	27.7	41.5
55	19.3	16.2	24.2
61	27.8	22.3	33.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 89.621 ug/l

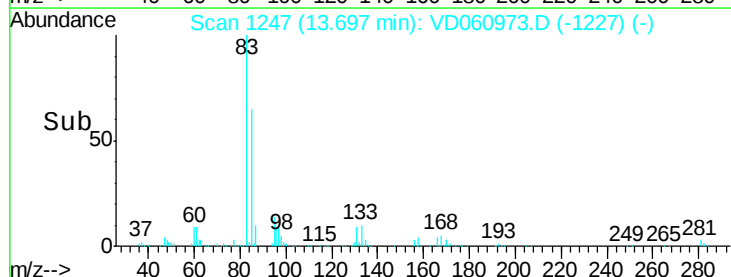
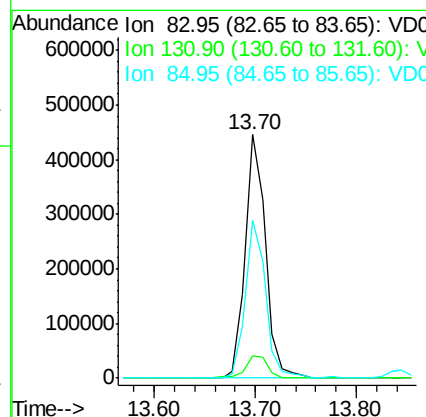
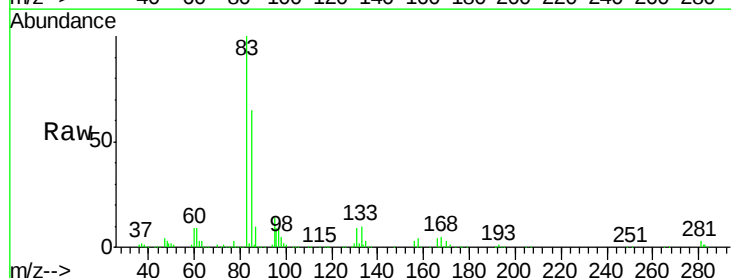
RT: 13.70 min Scan# 1247

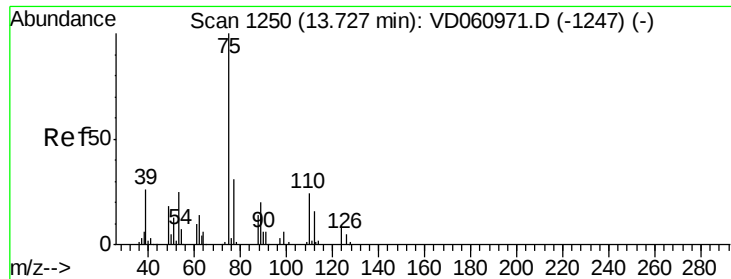
Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Tgt Ion:	83	Resp:	622436
Ion	Ratio	Lower	Upper
83	100		
131	9.2	5.1	15.3
85	64.8	31.5	94.5





#76

1,2,3-Trichloropropane

Concen: 86.650 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 611636

Ion Ratio Lower Upper

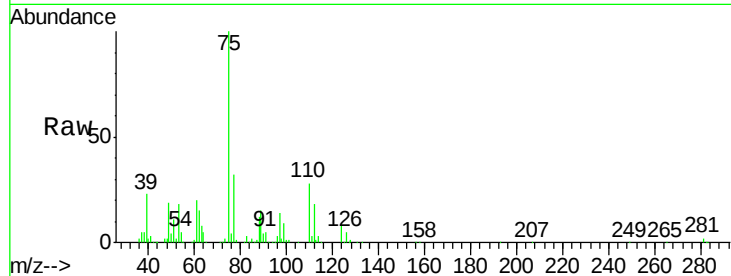
75 100

77 32.2 16.6 49.7

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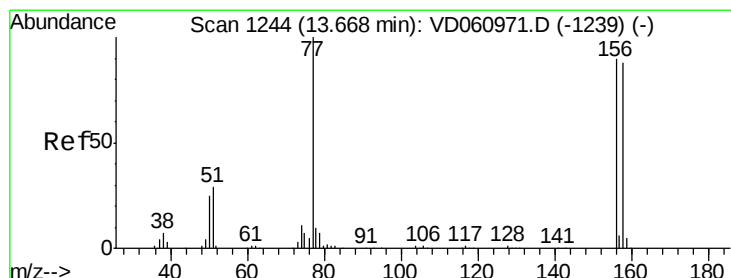
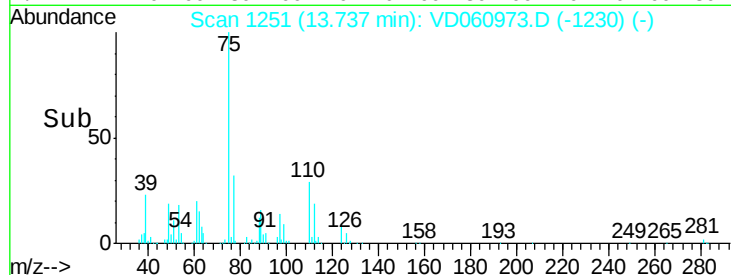
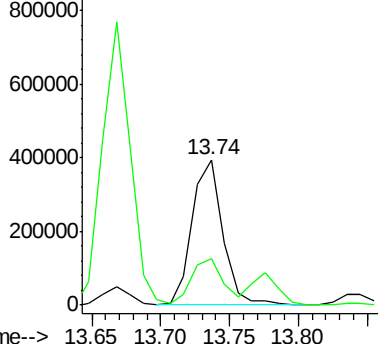
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#77

Bromobenzene

Concen: 97.531 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

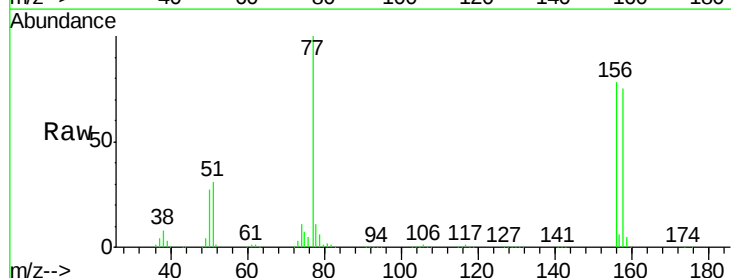
Tgt Ion: 156 Resp: 857796

Ion Ratio Lower Upper

156 100

77 128.7 55.5 166.7

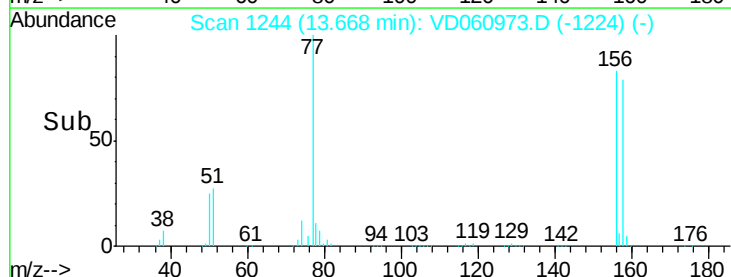
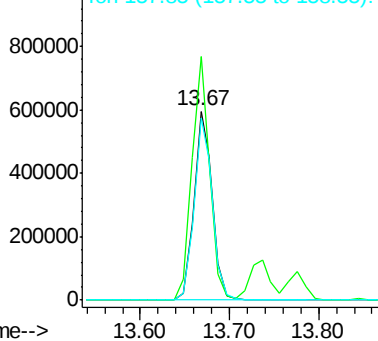
158 96.0 49.0 147.0

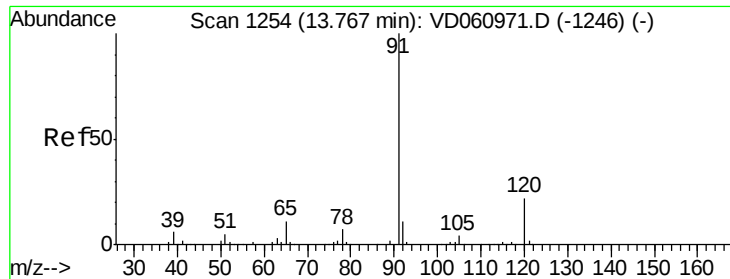


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#78

n-propylbenzene

Concen: 85.727 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion: 91 Resp: 3349140

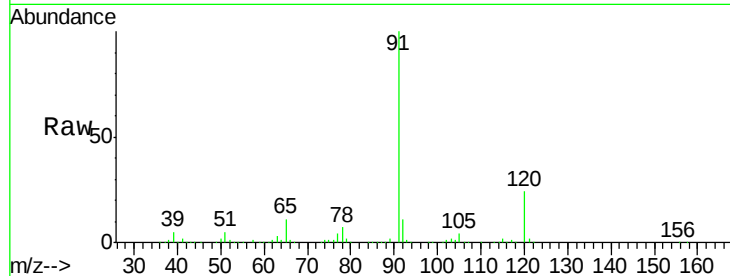
Ion Ratio Lower Upper

91 100

120 23.8 10.8 32.3

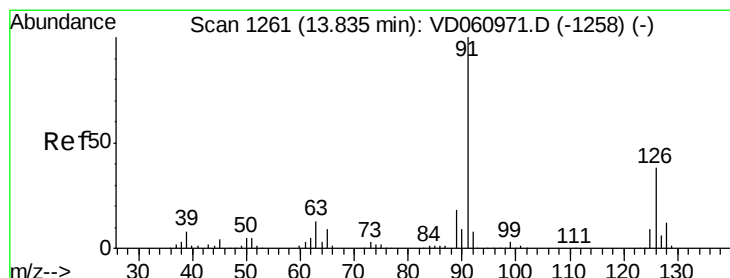
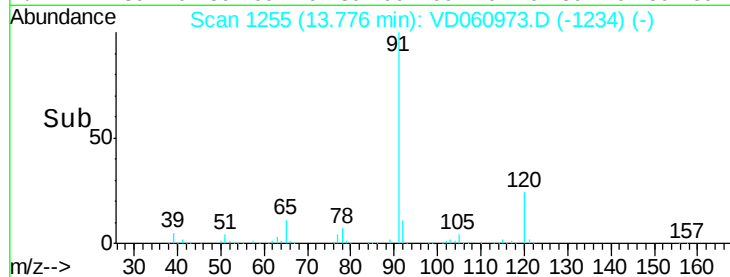
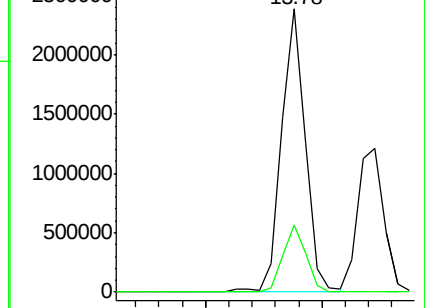
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#79

2-Chlorotoluene

Concen: 85.963 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD060973.D

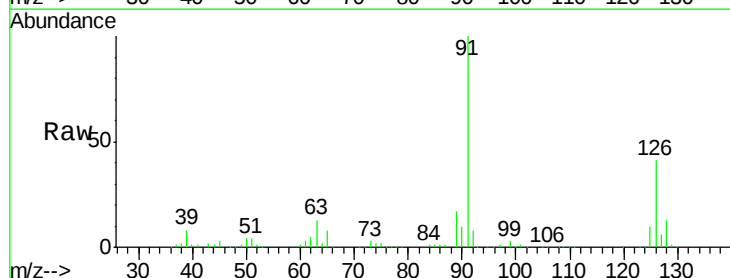
Acq: 7 Mar 2019 17:26

Tgt Ion: 91 Resp: 1879747

Ion Ratio Lower Upper

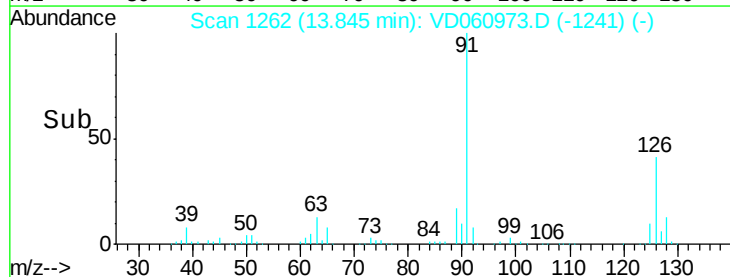
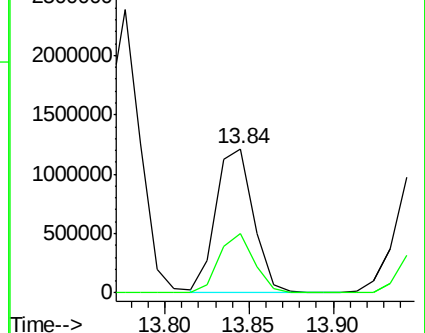
91 100

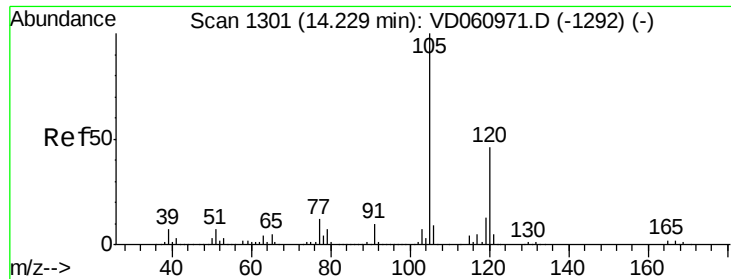
126 41.4 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





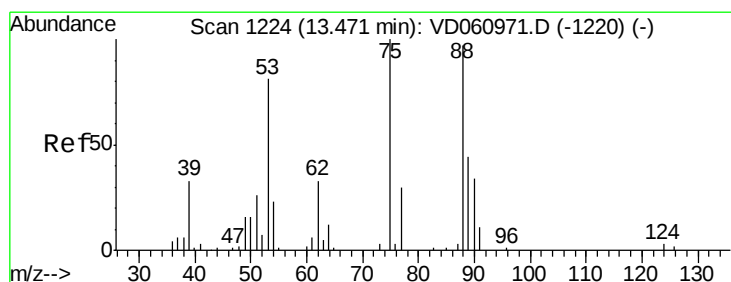
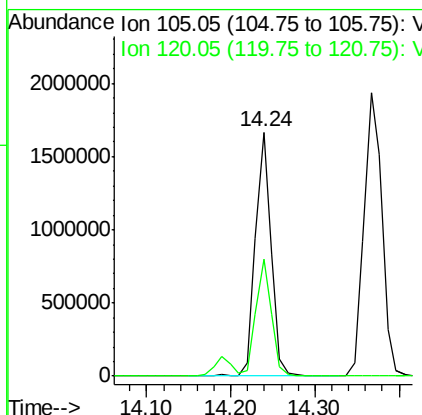
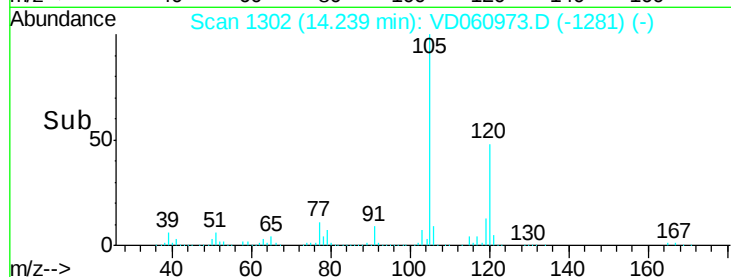
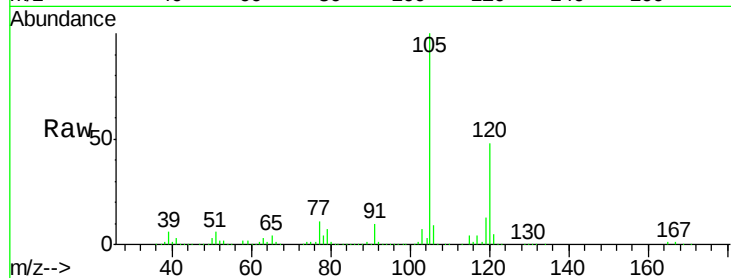
#80
 1,3,5-Trimethylbenzene
 Concen: 84.677 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 2189674
 Ion Ratio Lower Upper
 105 100
 120 48.2 22.9 68.5

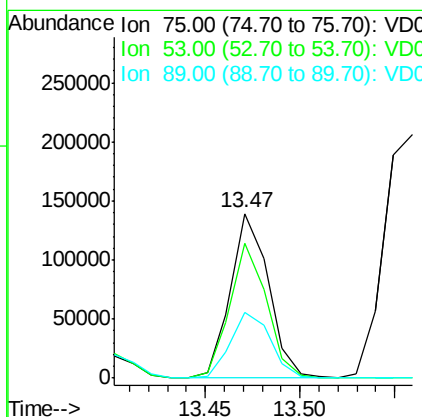
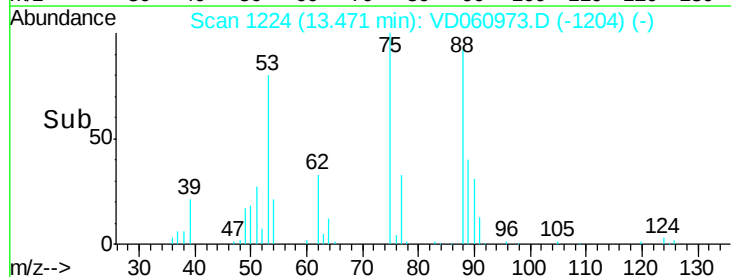
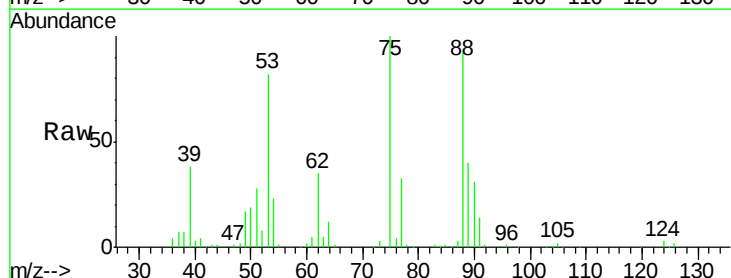
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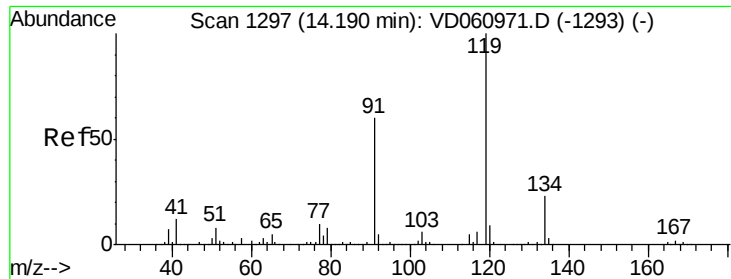
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.303 ug/l
 RT: 13.47 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion: 75 Resp: 194143
 Ion Ratio Lower Upper
 75 100
 53 82.0 64.4 96.6
 89 40.1 34.8 52.2





#83

tert-Butylbenzene

Concen: 80.922 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD060973.D

Acq: 7 Mar 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 2329484

Ion Ratio Lower Upper

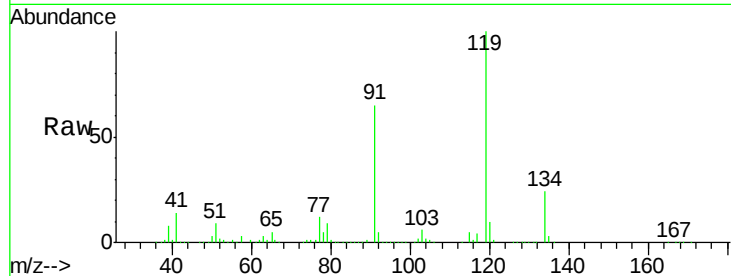
119 100

91 65.2 30.1 90.3

134 23.6 11.6 34.7

Manual Integrations
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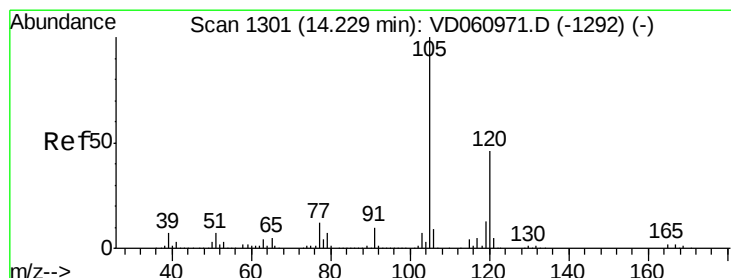
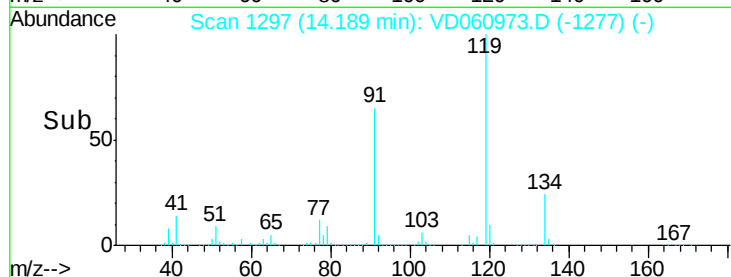
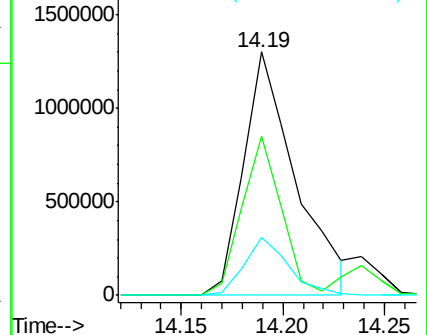
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 84.677 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD060973.D

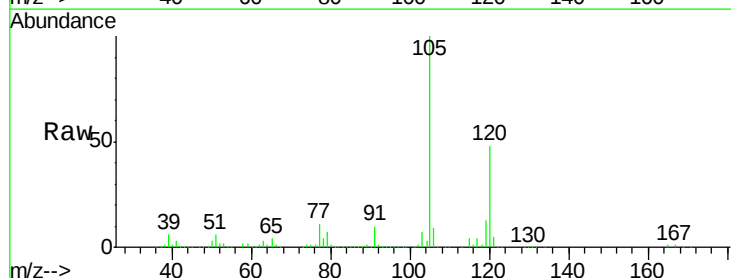
Acq: 7 Mar 2019 17:26

Tgt Ion:105 Resp: 2189674

Ion Ratio Lower Upper

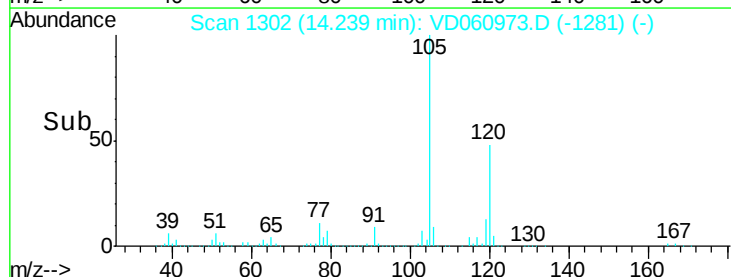
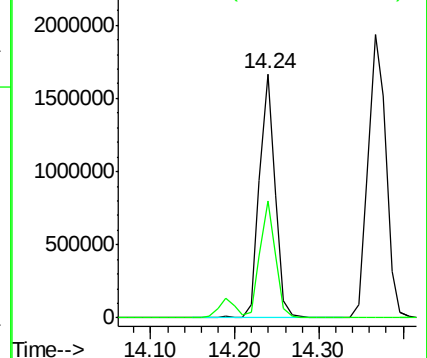
105 100

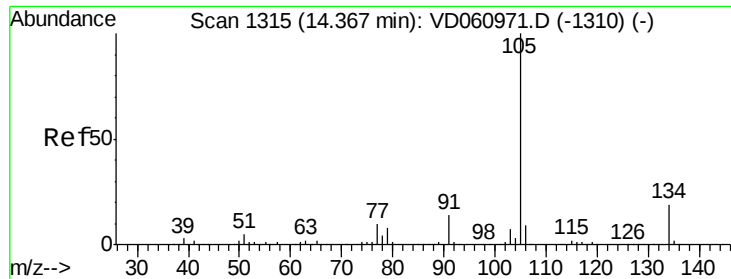
120 48.2 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





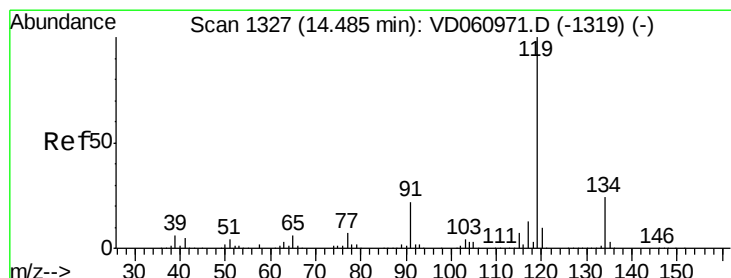
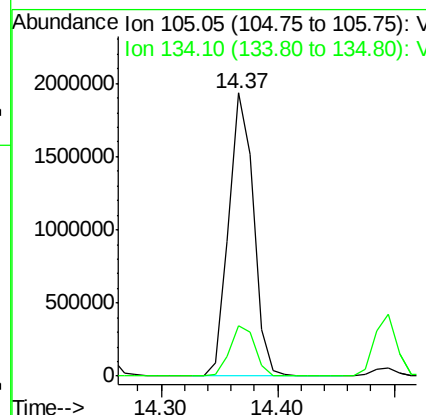
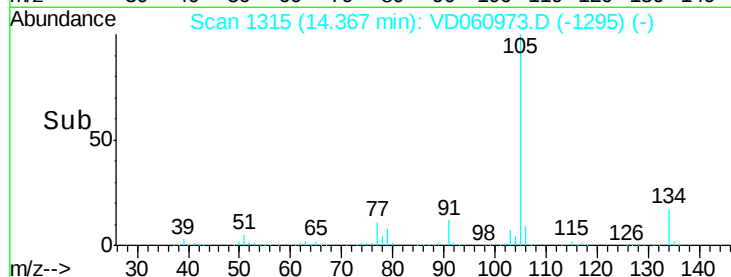
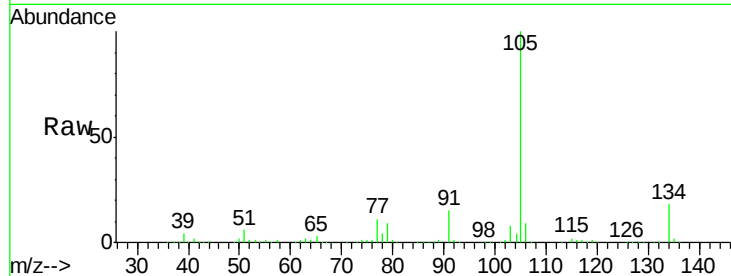
#85
 sec-Butylbenzene
 Concen: 84.975 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion:105 Resp: 2854545
 Ion Ratio Lower Upper
 105 100
 134 18.0 9.4 28.2

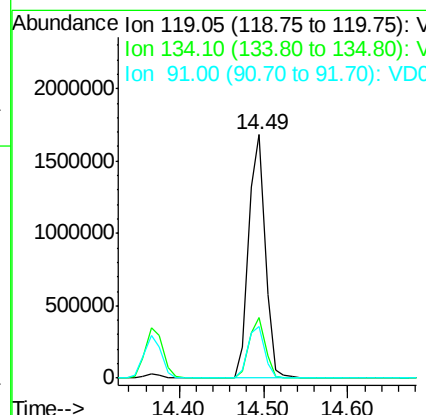
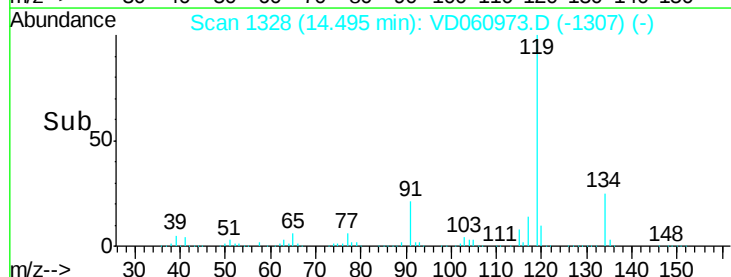
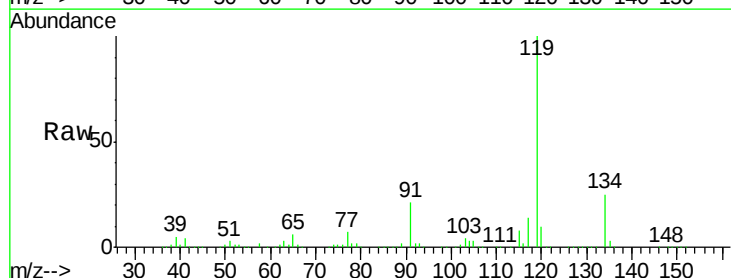
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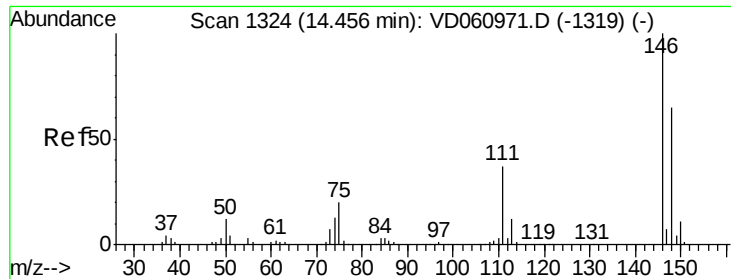
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#86
 p-Isopropyltoluene
 Concen: 82.955 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion:119 Resp: 2295789
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.0 36.1
 91 21.2 11.2 33.6





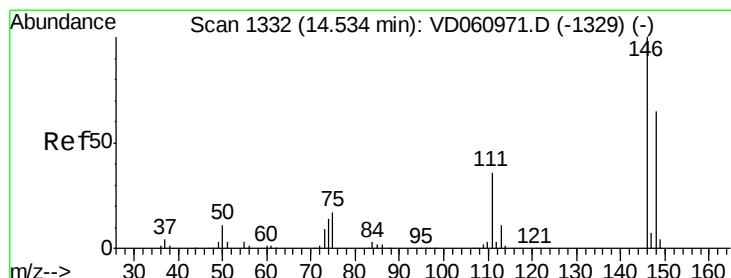
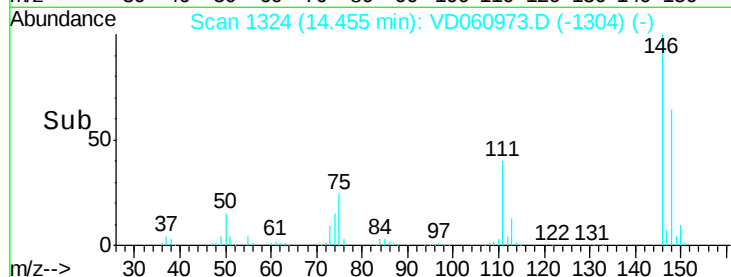
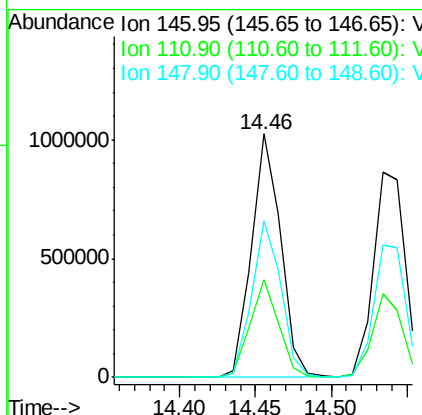
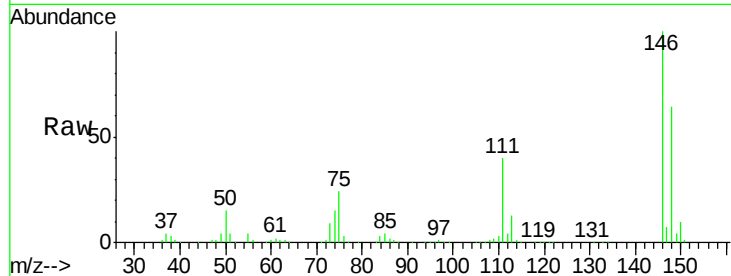
#87
 1,3-Dichlorobenzene
 Concen: 92.223 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	18.4	55.4
148	64.2	32.5	97.4

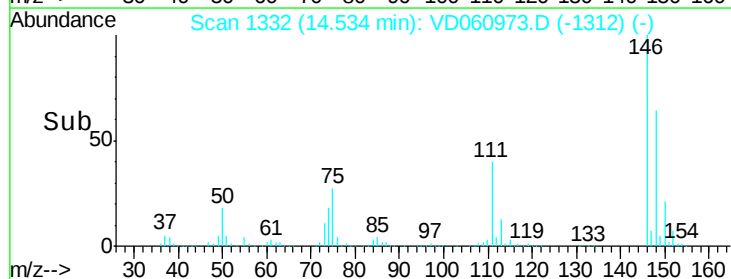
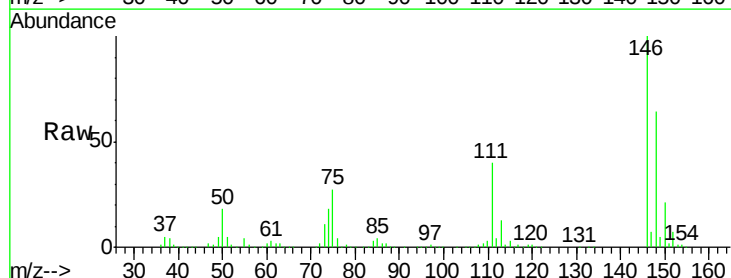
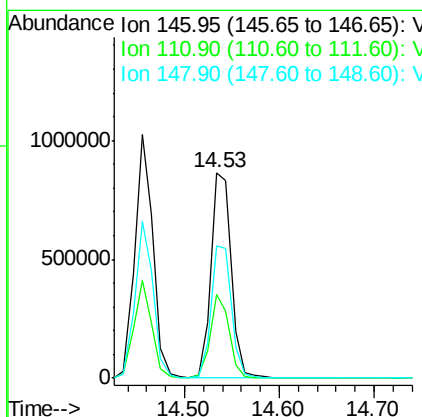
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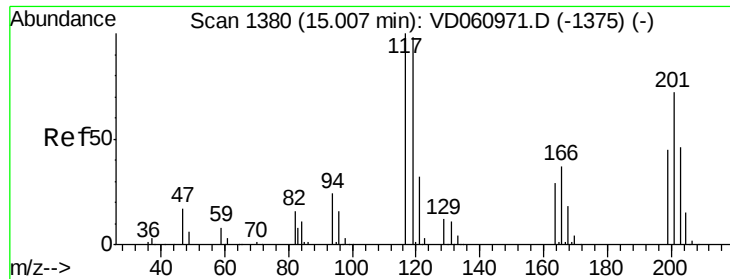
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#88
 1,4-Dichlorobenzene
 Concen: 87.277 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.4	55.2
148	64.5	32.5	97.5





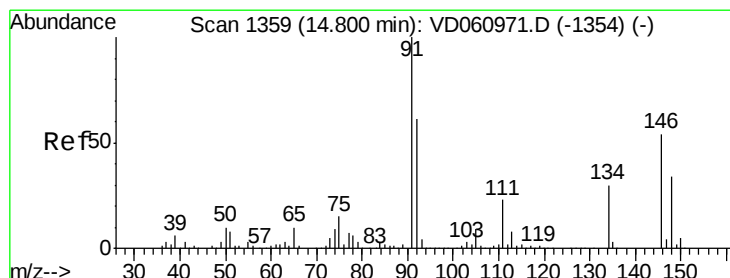
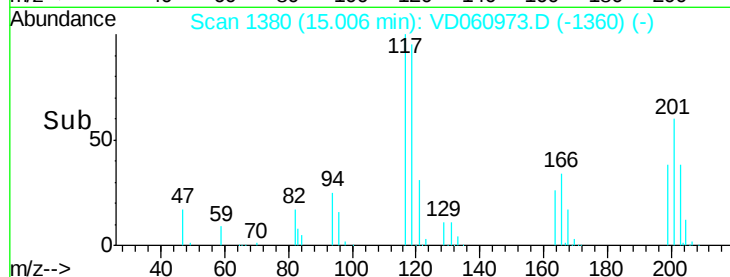
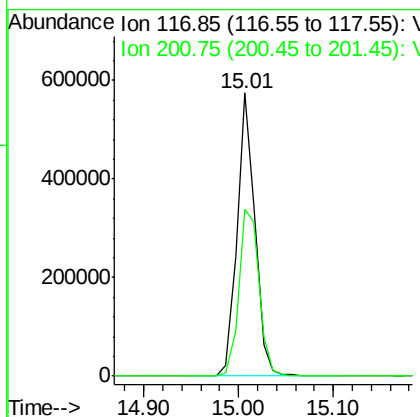
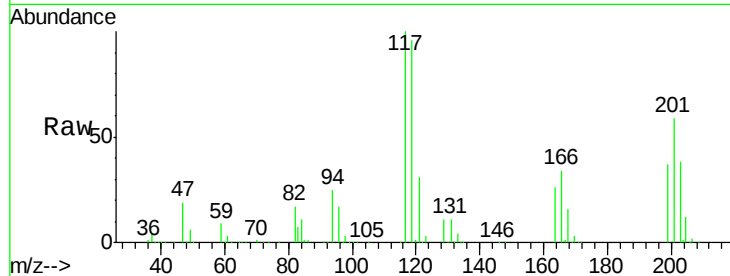
#90
Hexachloroethane
Concen: 94.345 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:117 Resp: 752808
Ion Ratio Lower Upper
117 100
201 59.0 36.2 108.6

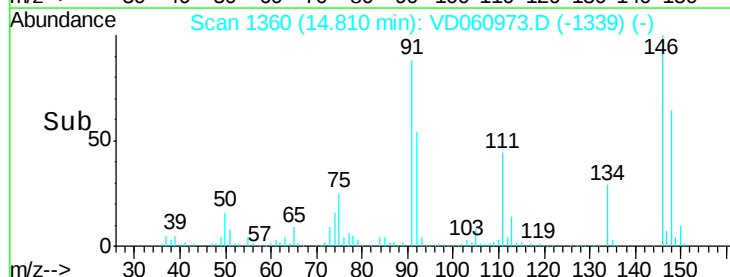
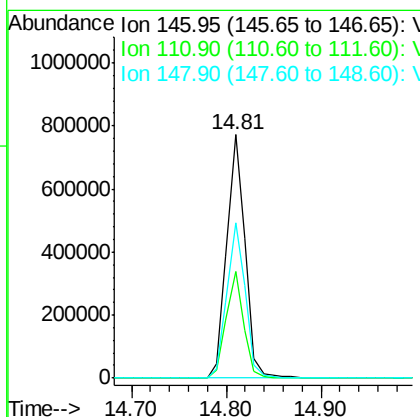
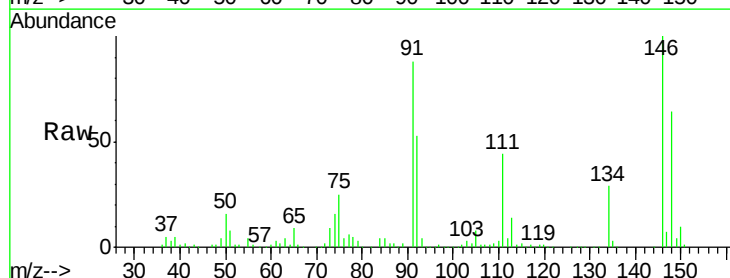
Manual Integrations
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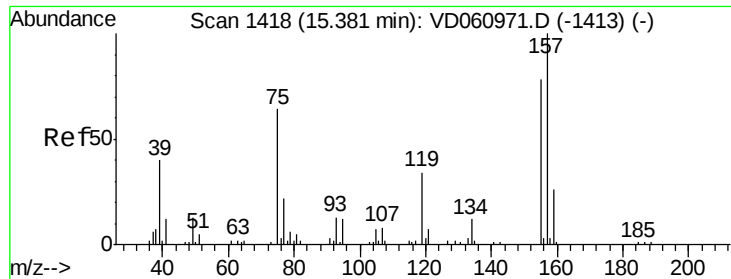
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#91
1,2-Dichlorobenzene
Concen: 78.993 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion:146 Resp: 1030040
Ion Ratio Lower Upper
146 100
111 43.8 21.5 64.5
148 63.8 30.9 92.8





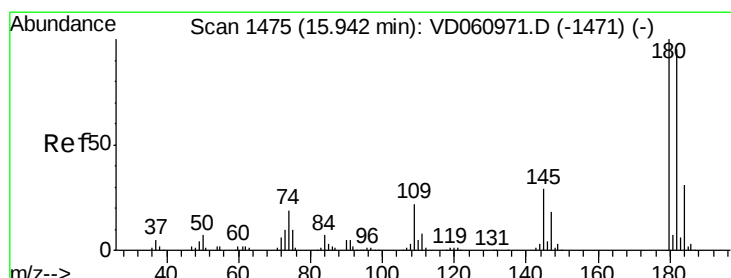
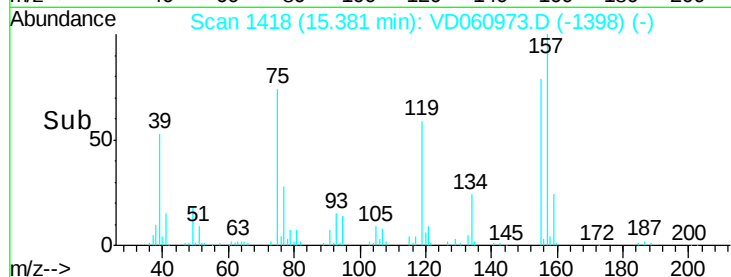
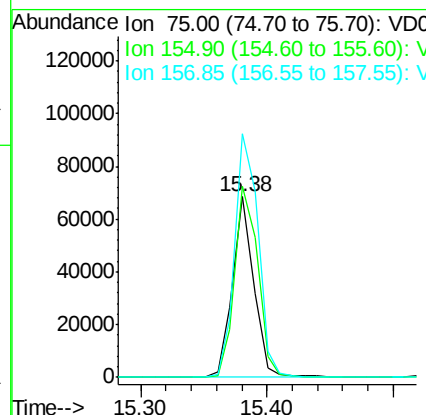
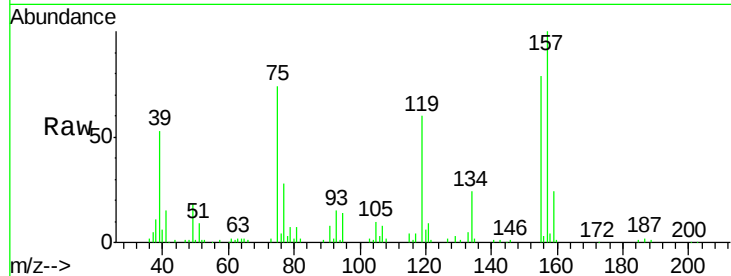
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.125 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
155	106.0	61.2	183.5
157	134.7	78.3	234.8

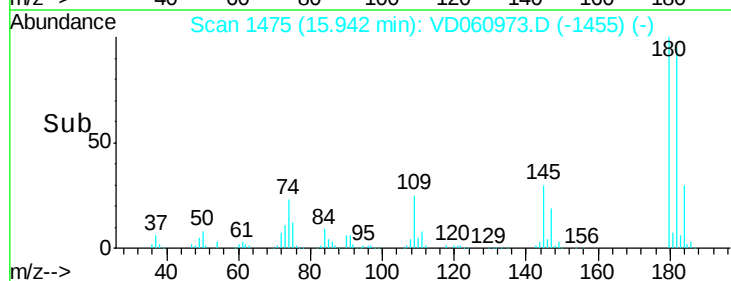
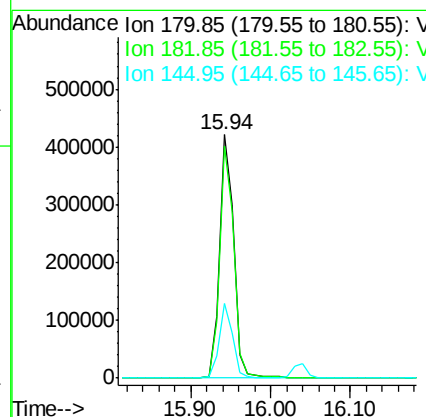
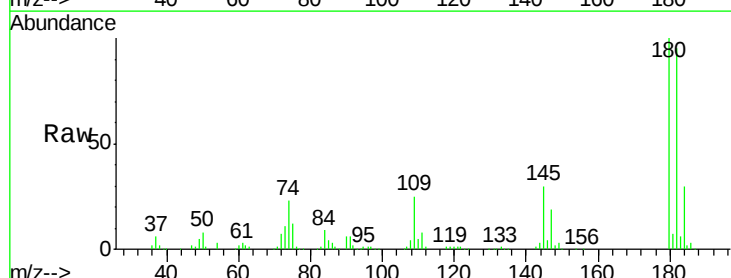
Manual Integrations
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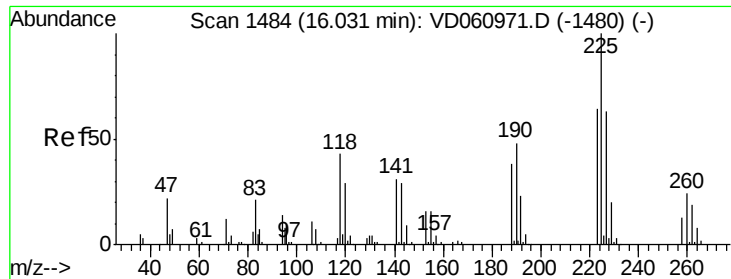
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#93
 1,2,4-Trichlorobenzene
 Concen: 72.399 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	142.0
145	30.5	14.4	43.0





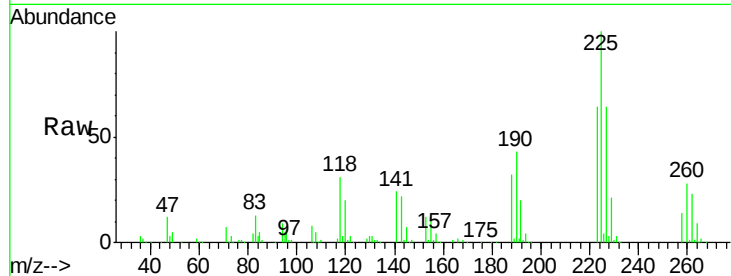
#94
Hexachlorobutadiene
Concen: 88.100 ug/l
RT: 16.04 min Scan# 1485
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

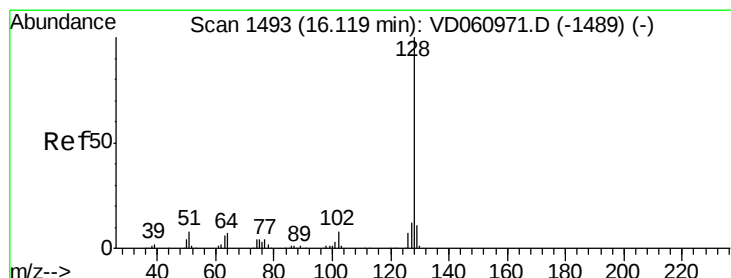
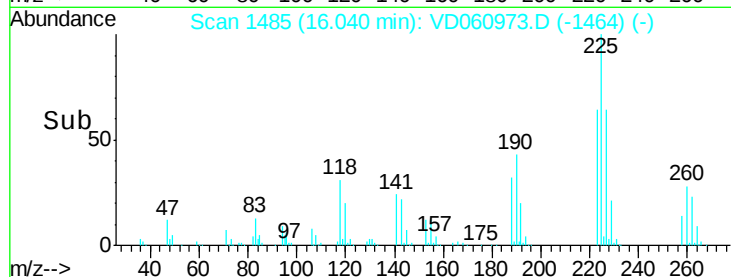
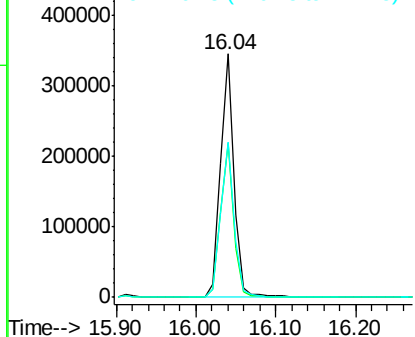
Tot Ion	Ratio	Resp	Lower	Upper
225	100	414159		
223	63.5		31.8	95.3
227	64.0		31.4	94.0

Manual Integrations
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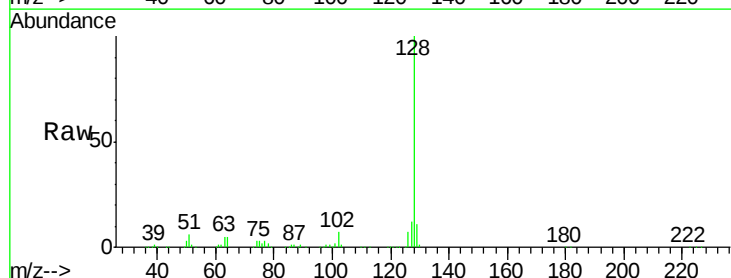


Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V

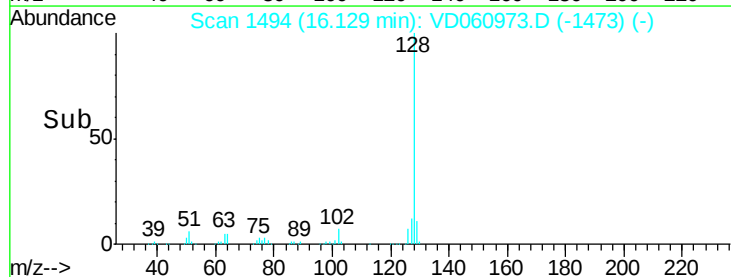
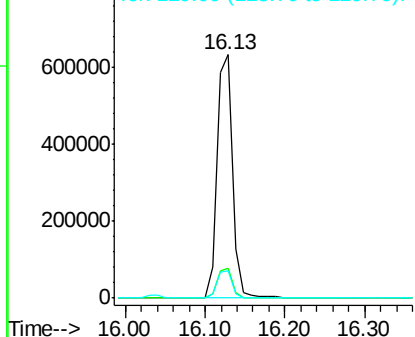


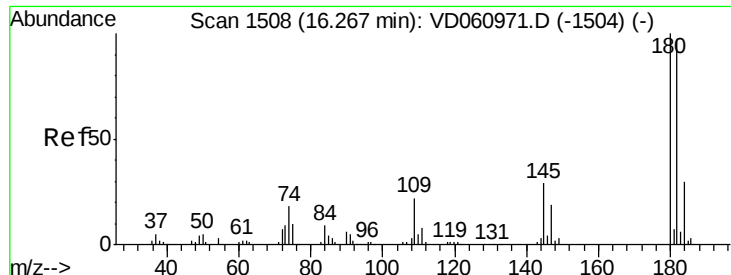
#95
Naphthalene
Concen: 76.834 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD060973.D
Acq: 7 Mar 2019 17:26

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	873076		
127	12.1		9.8	14.8
129	11.0		8.5	12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 73.671 ug/l
 RT: 16.27 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VD060973.D
 Acq: 7 Mar 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.2	48.6	145.8
145	34.5	14.3	42.9

Manual Integrations
 APPROVED

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