

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030719\
 Data File : VD060971.D
 Acq On : 7 Mar 2019 16:31
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:46:25 PM

Quant Time: Mar 08 02:18:22 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	747403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1230199	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1068331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	443323	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	310578	50.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.60%	
35) Dibromofluoromethane	6.92	113	473902	48.34	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.68%	
50) Toluene-d8	10.40	98	1169813	47.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.88%	
62) 4-Bromofluorobenzene	13.55	95	430356	46.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	368920	45.032	ug/l	100
3) Chloromethane	1.77	50	293718	43.340	ug/l	100
4) Vinyl Chloride	1.86	62	290527	47.171	ug/l	100
5) Bromomethane	2.17	94	52843	49.240	ug/l	100
6) Chloroethane	2.28	64	101507	66.156	ug/l	100
7) Trichlorofluoromethane	2.54	101	442242	58.116	ug/l	100
8) Diethyl Ether	2.88	74	144950	45.001	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.16	101	427600	43.387	ug/l	100
10) Methyl Iodide	3.32	142	664202	56.927	ug/l	100
11) Tert butyl alcohol	4.06	59	109879	242.307	ug/l	100
12) 1,1-Dichloroethene	3.13	96	364410	43.599	ug/l	100
13) Acrolein	3.05	56	132270	212.934	ug/l	100
14) Allyl chloride	3.63	41	618306	44.717	ug/l	100
15) Acrylonitrile	4.20	53	342525	200.268	ug/l	100
16) Acetone	3.22	43	457194	226.602	ug/l	100
17) Carbon Disulfide	3.39	76	1269899	42.778	ug/l	100
18) Methyl Acetate	3.65	43	171369	41.347	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	674378	45.360	ug/l	100
20) Methylene Chloride	3.82	84	431713	38.355	ug/l	100
21) trans-1,2-Dichloroethene	4.23	96	412454	44.898	ug/l	100
22) Diisopropyl ether	5.12	45	1317019	45.225	ug/l	100
23) Vinyl Acetate	5.05	43	3278279	214.819	ug/l	100
24) 1,1-Dichloroethane	4.99	63	710756	45.388	ug/l	100
25) 2-Butanone	6.07	43	544904	219.632	ug/l	100
26) 2,2-Dichloropropane	6.02	77	541279	46.513	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	450705	43.555	ug/l	100
28) Bromochloromethane	6.44	49	297688	45.747	ug/l	100
29) Tetrahydrofuran	6.45	42	292681	225.543	ug/l	100
30) Chloroform	6.67	83	678298	44.765	ug/l	100
31) Cyclohexane	6.95	56	598859	45.066	ug/l	100
32) 1,1,1-Trichloroethane	6.88	97	626098	48.039	ug/l	100
36) 1,1-Dichloropropene	7.14	75	524326	46.482	ug/l	100
37) Ethyl Acetate	6.18	43	249534	43.298	ug/l	100
38) Carbon Tetrachloride	7.11	117	575210m	47.049	ug/l	

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	585480	47.624	ug/l	100
40) Benzene	7.45	78	1421509	48.838	ug/l	100
41) Methacrylonitrile	6.44	41	301431	72.967	ug/l	100
42) 1,2-Dichloroethane	7.57	62	413529	50.190	ug/l	100
43) Isopropyl Acetate	9.23	43	371895	46.371	ug/l	100
44) Trichloroethene	8.54	130	490346	49.649	ug/l	100
45) 1,2-Dichloropropane	8.93	63	366349	47.899	ug/l	100
46) Dibromomethane	9.06	93	230400	47.085	ug/l	100
47) Bromodichloromethane	9.37	83	549822	50.626	ug/l	100
48) Methyl methacrylate	9.11	41	207853	45.841	ug/l	100
49) 1,4-Dioxane	9.07	88	41146	884.166	ug/l	100
51) 4-Methyl-2-Pentanone	10.29	43	1097994	224.224	ug/l	100
52) Toluene	10.50	92	866666	46.785	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	474400	48.078	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	545802	45.097	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	281328	45.931	ug/l	100
56) Ethyl methacrylate	11.04	69	300756	46.779	ug/l	100
57) 1,3-Dichloropropane	11.40	76	414152	46.773	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	745973	216.702	ug/l	100
59) 2-Hexanone	11.52	43	819187	238.399	ug/l	100
60) Dibromochloromethane	11.68	129	437019	49.386	ug/l	100
61) 1,2-Dibromoethane	11.80	107	345557	48.013	ug/l	100
64) Tetrachloroethene	11.25	164	373978	46.301	ug/l	100
65) Chlorobenzene	12.39	112	1057558	45.201	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	392787	46.409	ug/l	100
67) Ethyl Benzene	12.52	91	1563431	45.673	ug/l	100
68) m/p-Xylenes	12.66	106	1250682	91.108	ug/l	100
69) o-Xylene	13.05	106	587684	46.035	ug/l	100
70) Styrene	13.07	104	963970	45.240	ug/l	100
71) Bromoform	13.23	173	253024	47.503	ug/l	100
73) Isopropylbenzene	13.40	105	1543453	45.553	ug/l	100
74) N-amyl acetate	13.26	43	459847	44.896	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.70	83	313184	44.542	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	327544	45.835	ug/l	100
77) Bromobenzene	13.67	156	418789	47.033	ug/l	100
78) n-propylbenzene	13.77	91	1921809	48.590	ug/l	100
79) 2-Chlorotoluene	13.84	91	953690	43.080	ug/l	100
80) 1,3,5-Trimethylbenzene	14.23	105	1296863	49.537	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	100044	47.491	ug/l	100
82) 4-Chlorotoluene	13.94	91	1259003	50.639	ug/l	100
83) tert-Butylbenzene	14.19	119	1481310	50.828	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1296863	49.537	ug/l	100
85) sec-Butylbenzene	14.37	105	1520836	44.719	ug/l	100
86) p-Isopropyltoluene	14.49	119	1388298	49.550	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	737940	48.759	ug/l	100
88) 1,4-Dichlorobenzene	14.53	146	704396	47.033	ug/l	100
89) n-Butylbenzene	14.79	91	1294552	49.368	ug/l	100
90) Hexachloroethane	15.01	117	392790	48.624	ug/l	100
91) 1,2-Dichlorobenzene	14.80	146	641940	48.628	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	15.38	75	39976	48.399	ug/l	100

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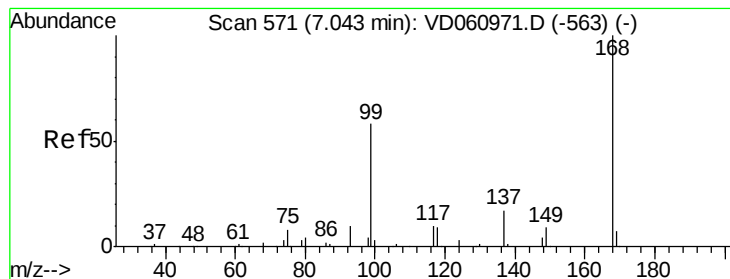
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	303309	40.738	ug/l	100
94) Hexachlorobutadiene	16.03	225	207277	43.552	ug/l	100
95) Naphthalene	16.12	128	411540	35.774	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	125602	31.099	ug/l	100

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



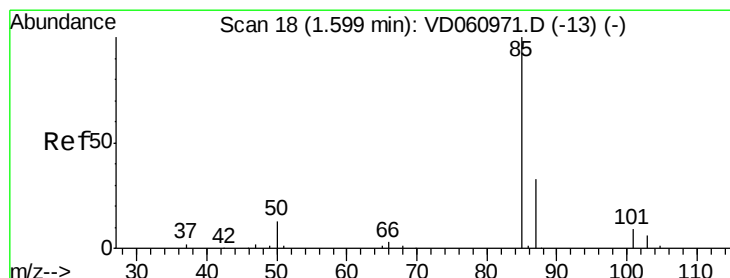
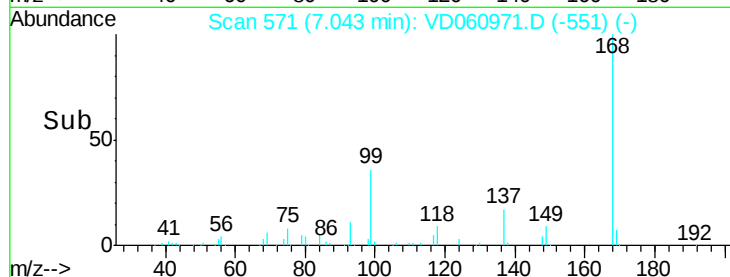
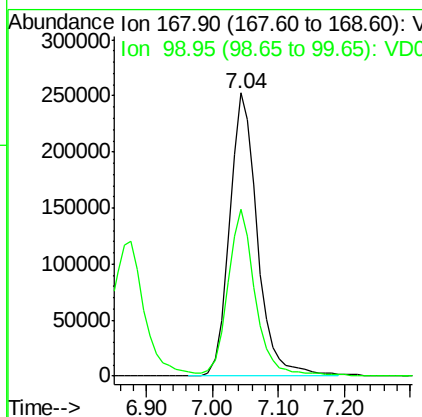
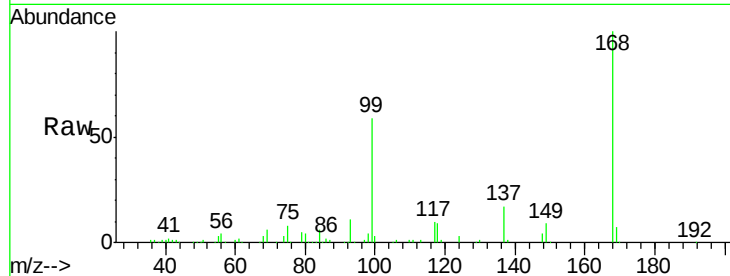
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.04 min Scan# 571
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	59.1	47.3	70.9

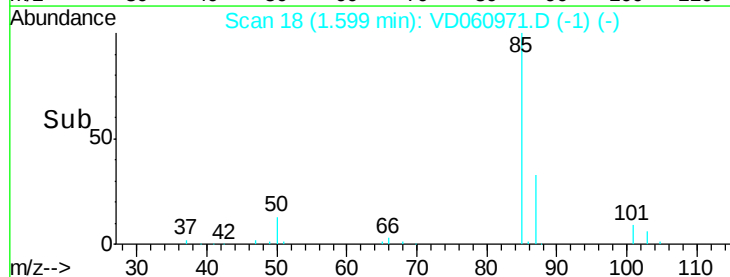
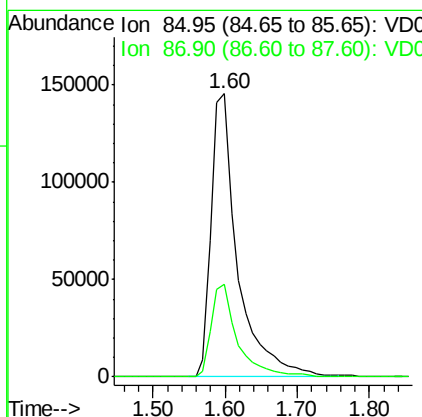
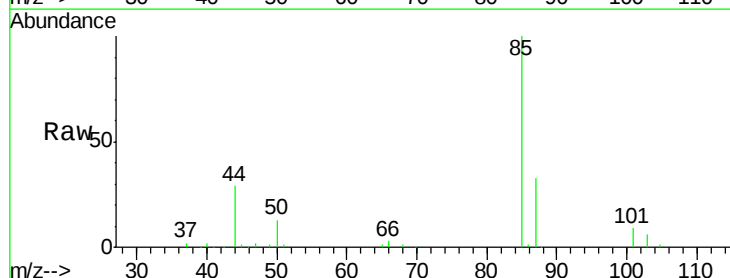
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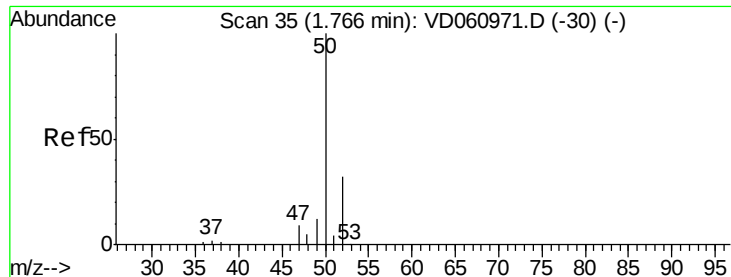
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#2
Dichlorodifluoromethane
Concen: 45.032 ug/l
RT: 1.60 min Scan# 18
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.4	49.4





#3

Chloromethane

Concen: 43.340 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 293718

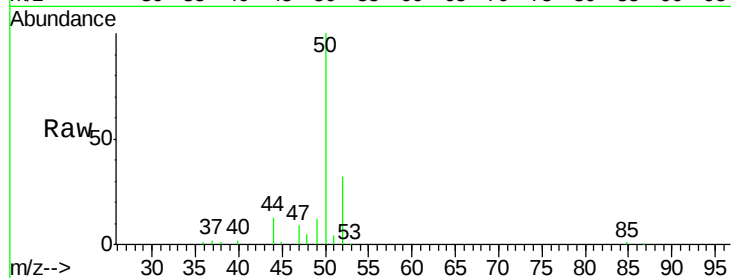
Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.8

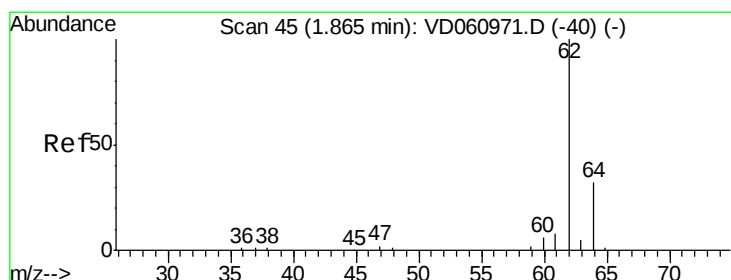
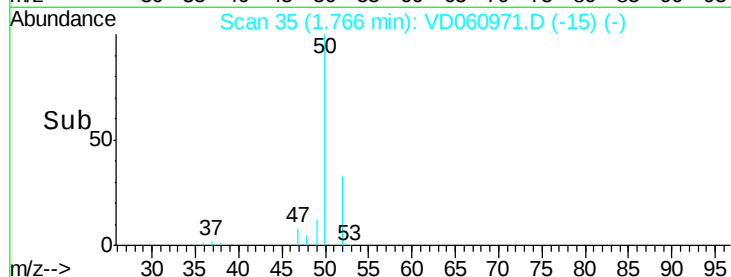
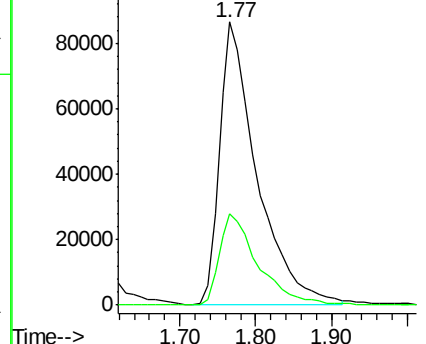
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.171 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.00 min

Lab File: VD060971.D

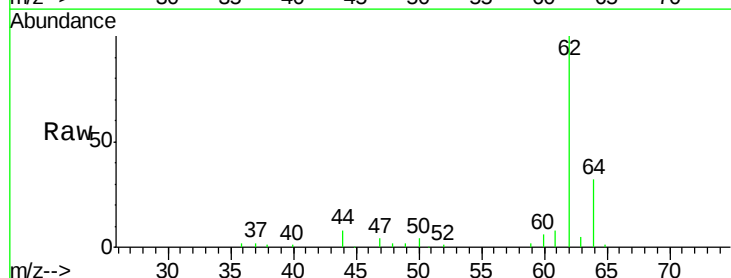
Acq: 7 Mar 2019 16:31

Tgt Ion: 62 Resp: 290527

Ion Ratio Lower Upper

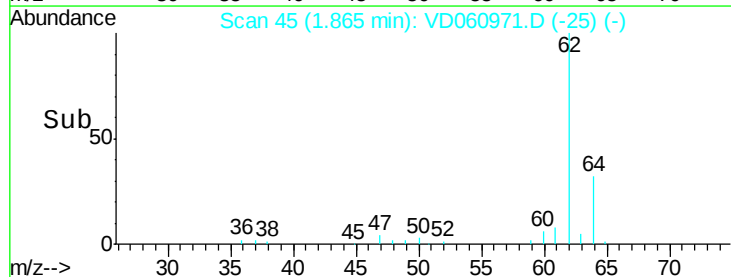
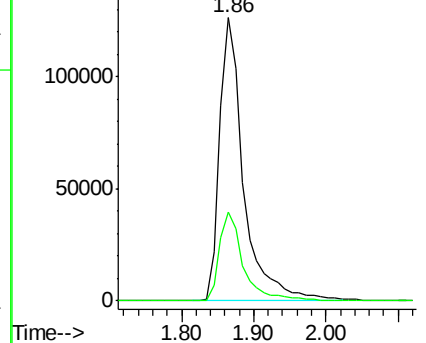
62 100

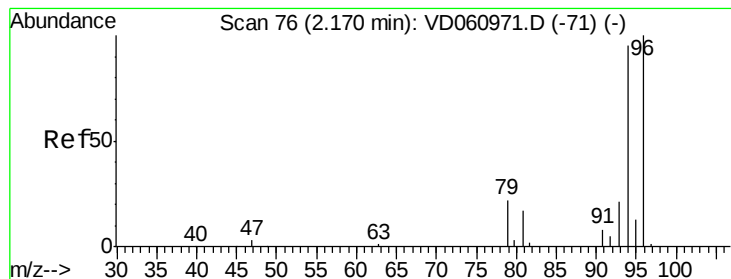
64 31.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 49.240 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 52843

Ion Ratio Lower Upper

94 100

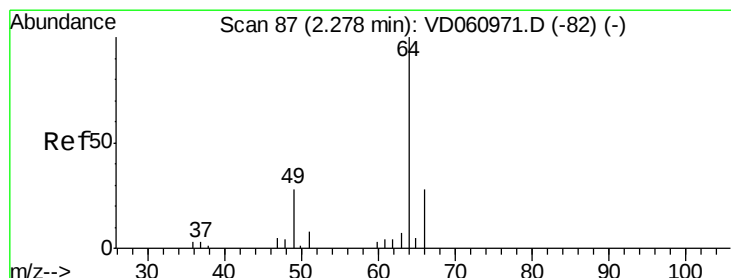
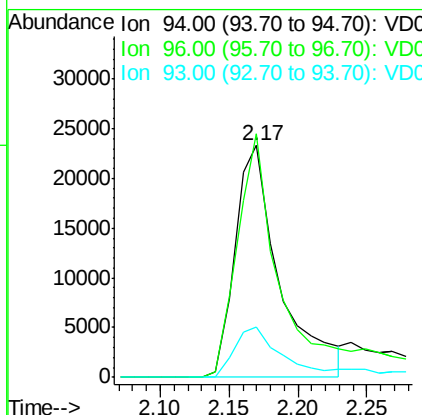
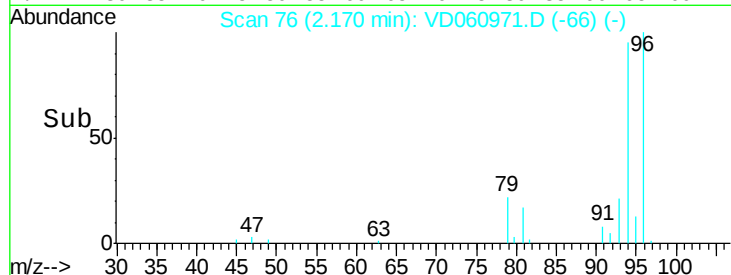
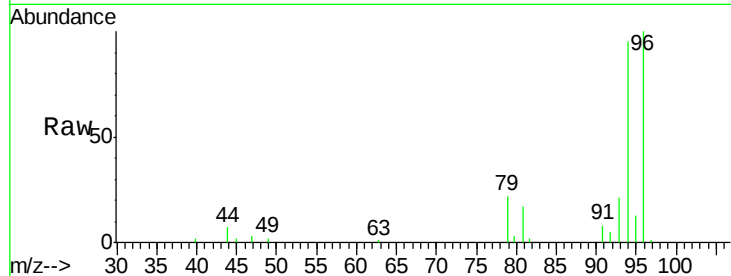
96 105.0 84.0 126.0

93 21.6 17.3 25.9

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#6

Chloroethane

Concen: 66.156 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.00 min

Lab File: VD060971.D

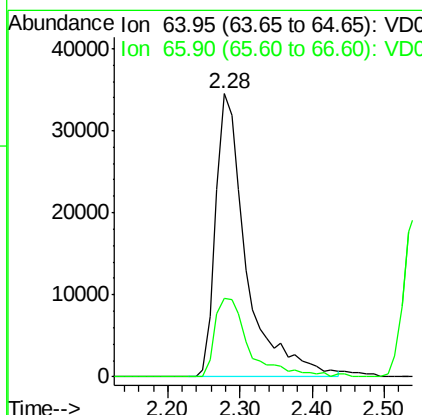
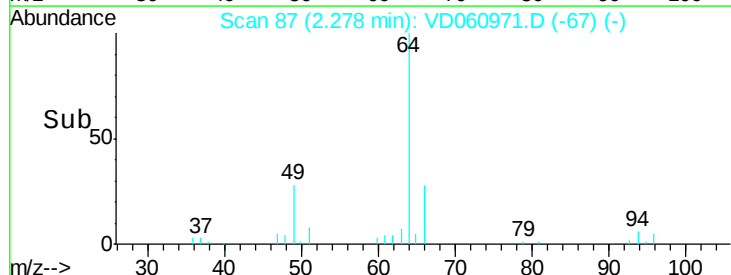
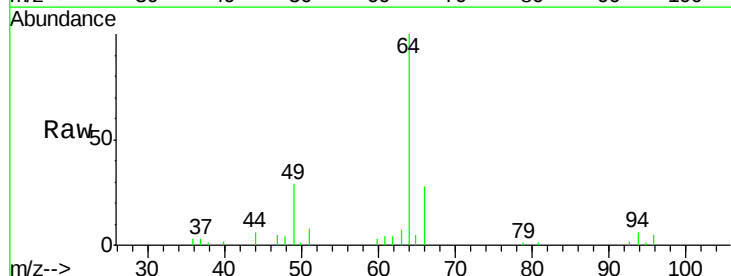
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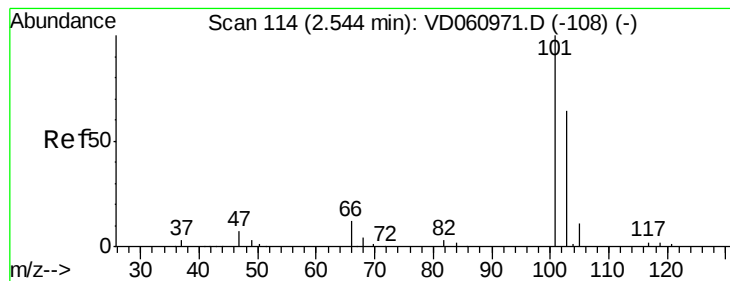
Tgt Ion: 64 Resp: 101507

Ion Ratio Lower Upper

64 100

66 27.7 22.2 33.2





#7

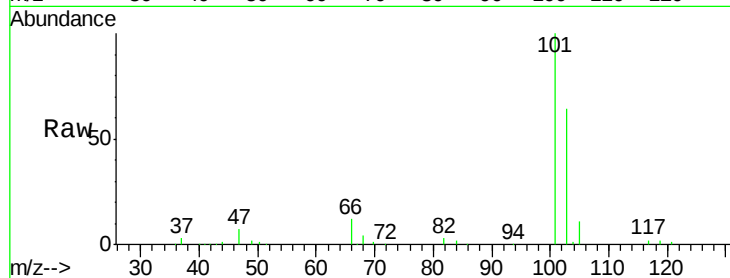
Trichlorofluoromethane
Concen: 58.116 ug/l
RT: 2.54 min Scan# 114
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

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VSTDICCC050

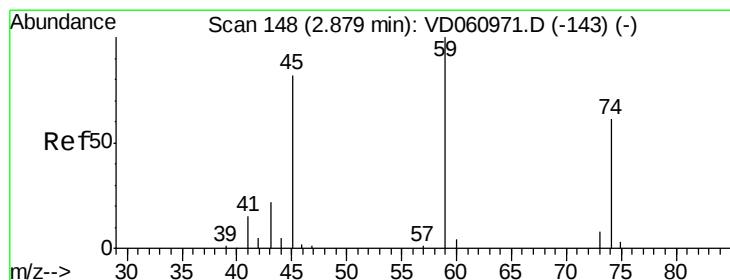
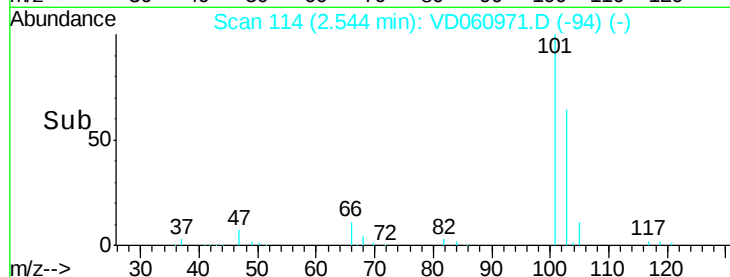
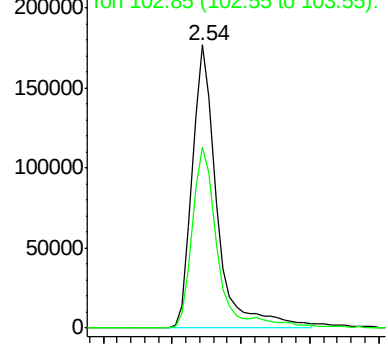
Tot Ion:101 Resp: 442242
Ion Ratio Lower Upper
101 100
103 64.0 51.2 76.8

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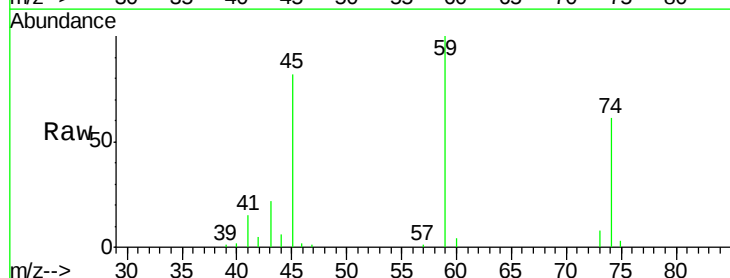
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



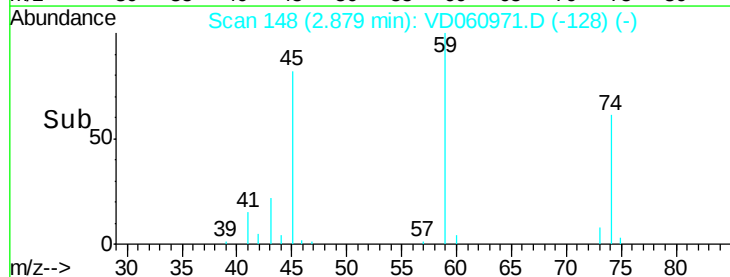
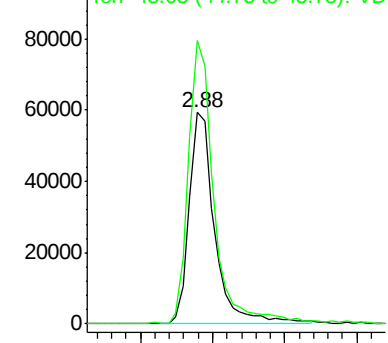
#8

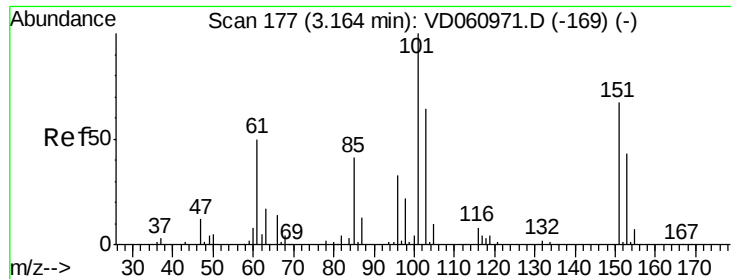
Diethyl Ether
Concen: 45.001 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.00 min
Lab File: VD060971.D
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Tgt Ion: 74 Resp: 144950
Ion Ratio Lower Upper
74 100
45 134.1 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.387 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

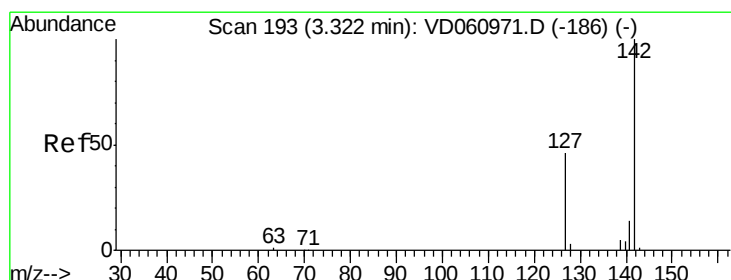
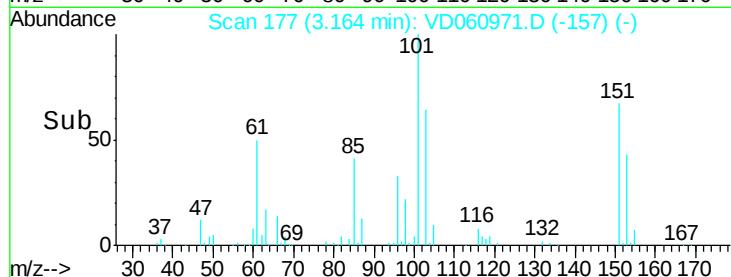
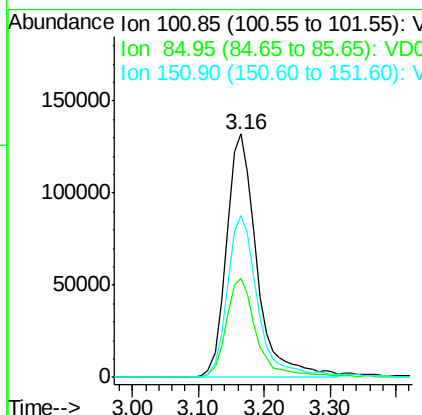
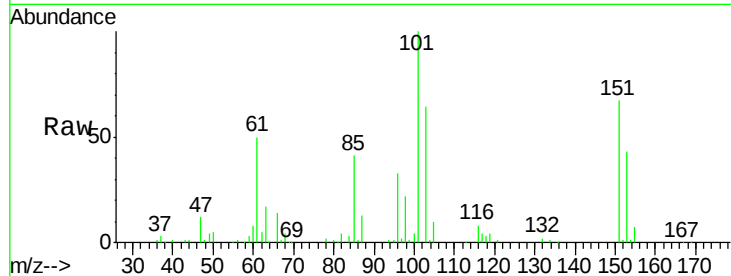
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	427600
Ion Ratio	Lower	Upper	
101	100		
85	40.6	32.5	48.7
151	66.6	53.3	79.9

Manual Integrations
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#10

Methyl Iodide

Concen: 56.927 ug/l

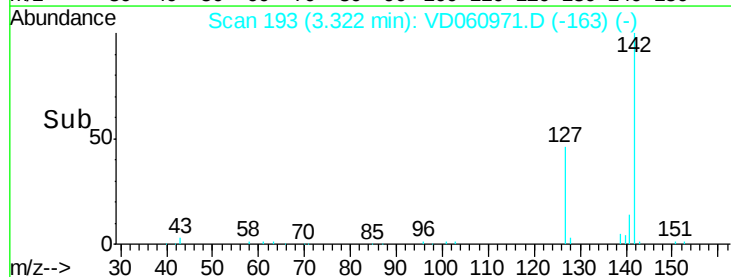
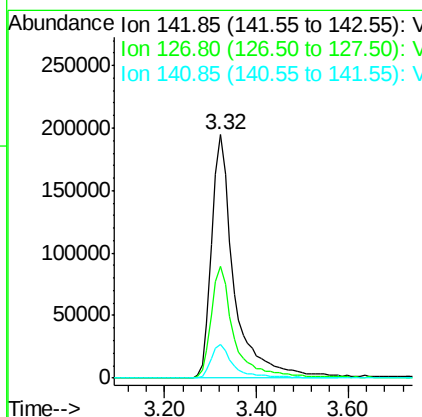
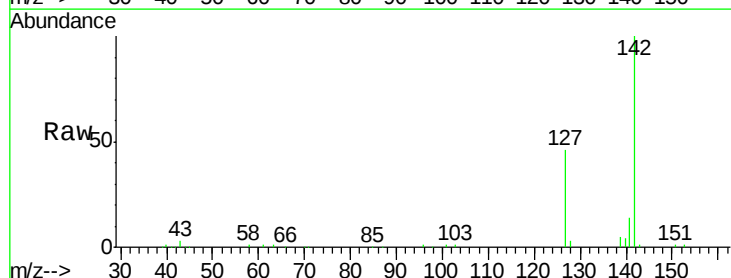
RT: 3.32 min Scan# 193

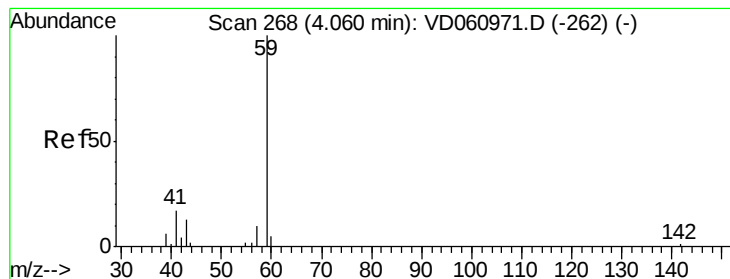
Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Tgt Ion:	142	Resp:	664202
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.8	55.2
141	14.0	11.2	16.8





#11

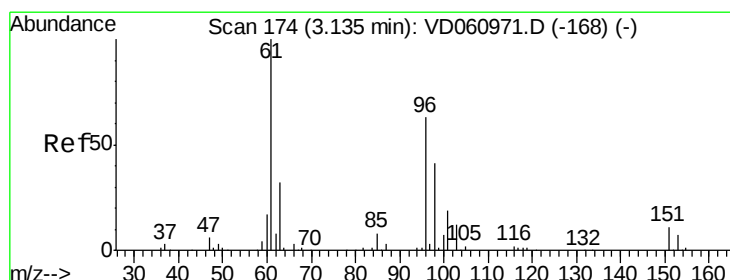
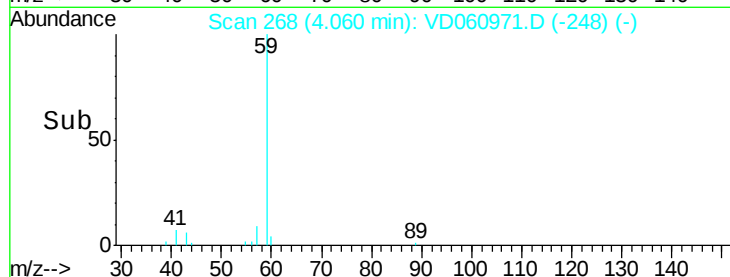
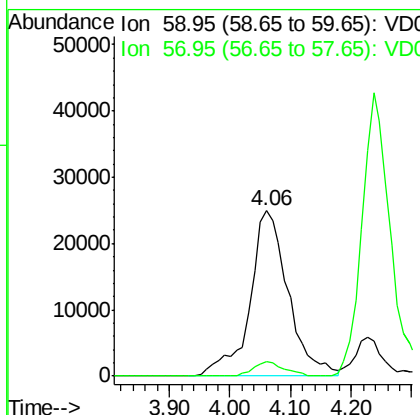
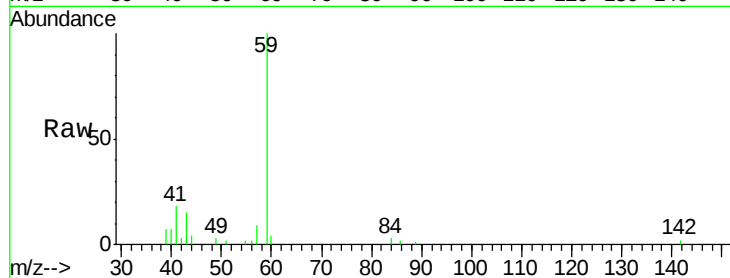
Tert butyl alcohol
Concen: 242.307 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	109879
Ion Ratio	100	Lower	Upper
57	8.9	7.1	10.7

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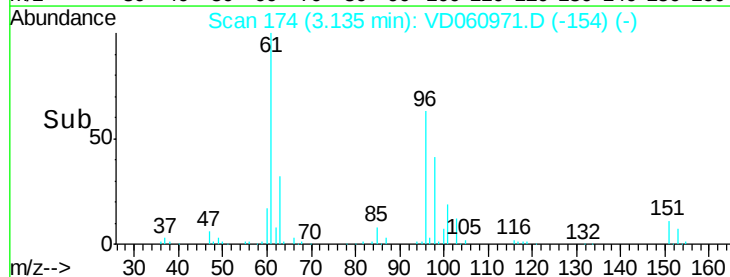
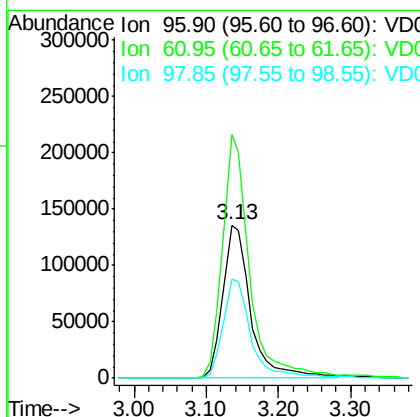
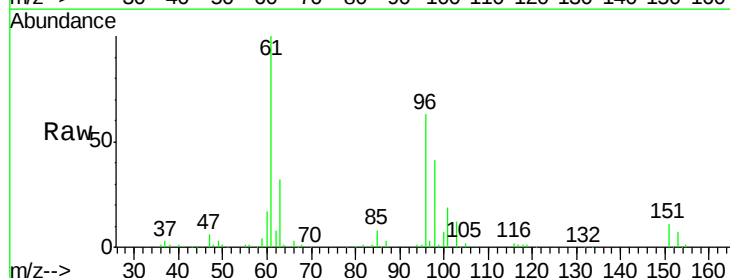
MMDadoda
3/8/2019 9:46:25 PM

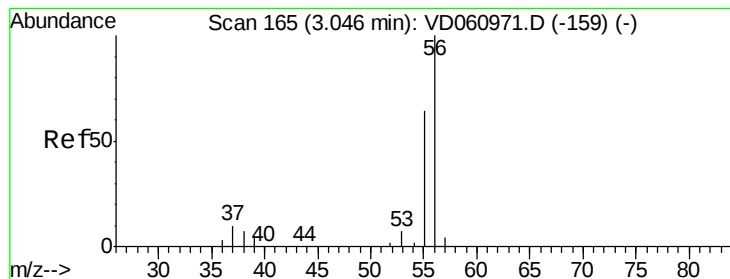


#12

1,1-Dichloroethene
Concen: 43.599 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion	96	Resp	364410
Ion Ratio	100	Lower	Upper
61	158.9	127.1	190.7
98	64.4	51.5	77.3





#13

Acrolein

Concen: 212.934 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 132270

Ion Ratio Lower Upper

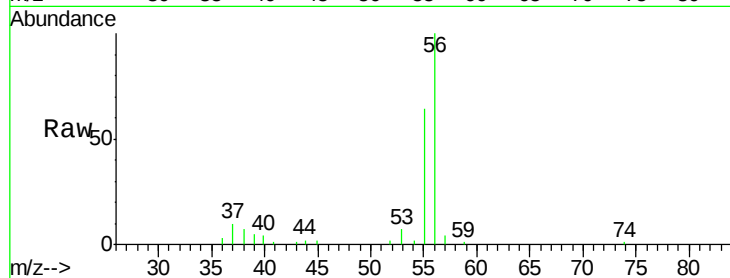
56 100

55 64.1 51.3 76.9

Manual Integrations
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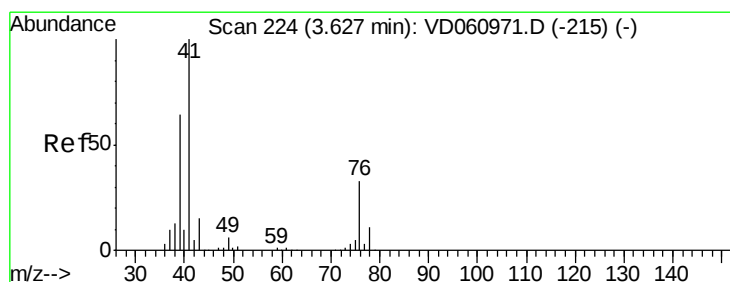
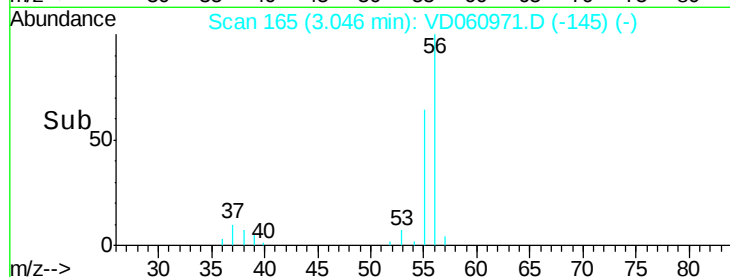
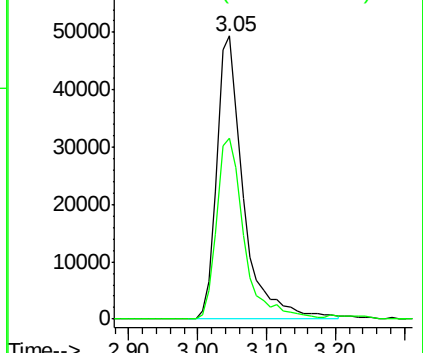
MMDadoda

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.717 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

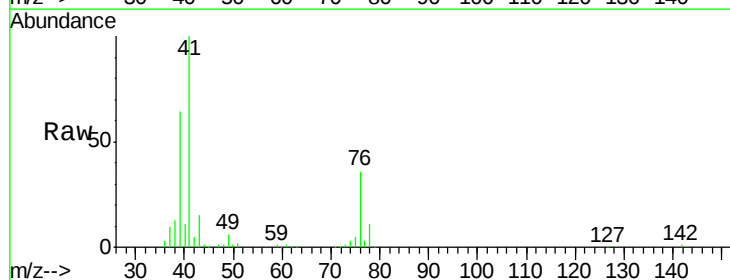
Tgt Ion: 41 Resp: 618306

Ion Ratio Lower Upper

41 100

39 63.9 51.1 76.7

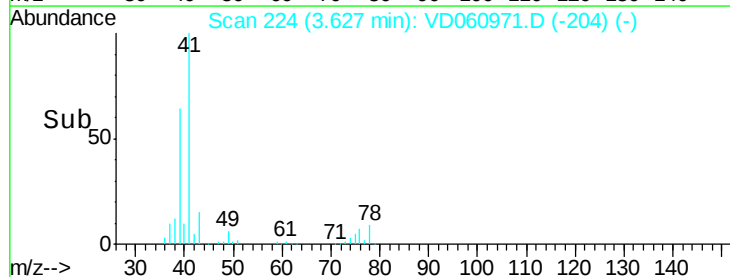
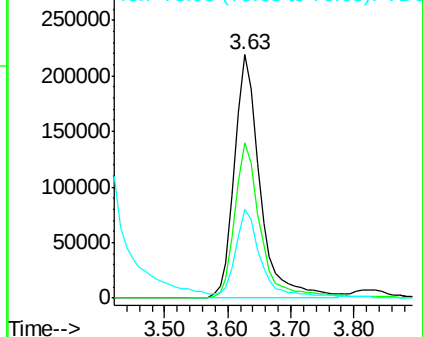
76 36.4 29.1 43.7

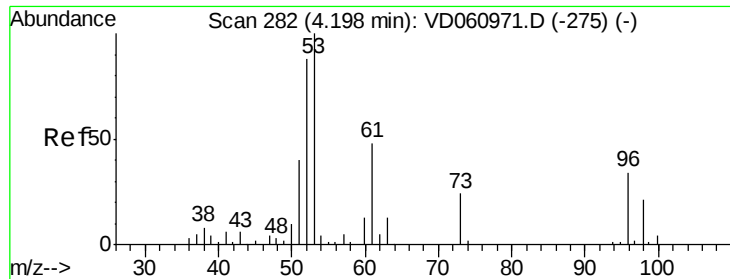


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 200.268 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

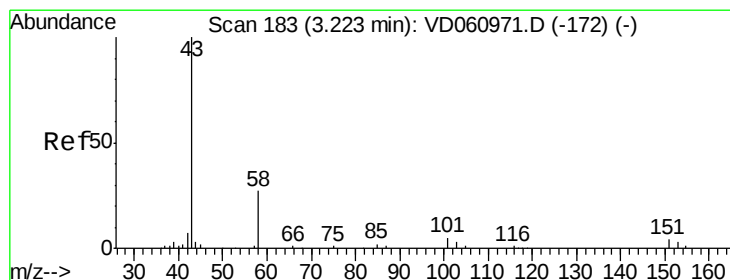
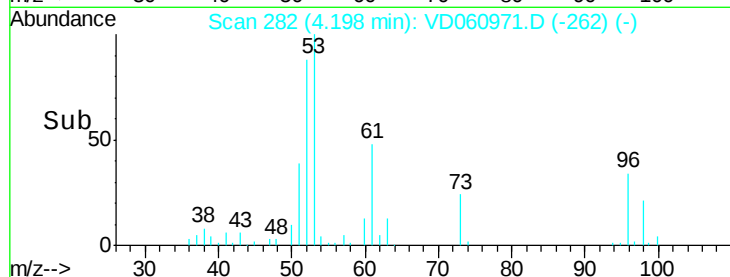
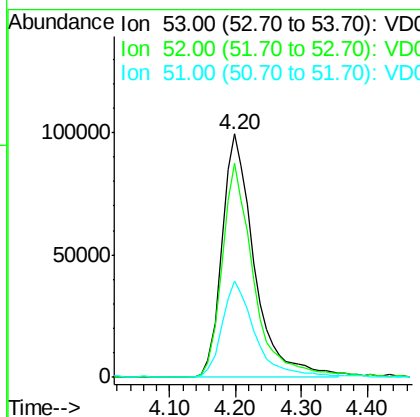
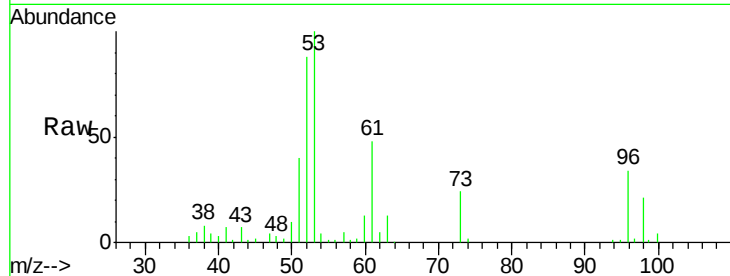
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	342525
Ion	Ratio	Lower	Upper
53	100		
52	87.8	70.2	105.4
51	39.6	31.7	47.5

Manual Integrations
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#16

Acetone

Concen: 226.602 ug/l

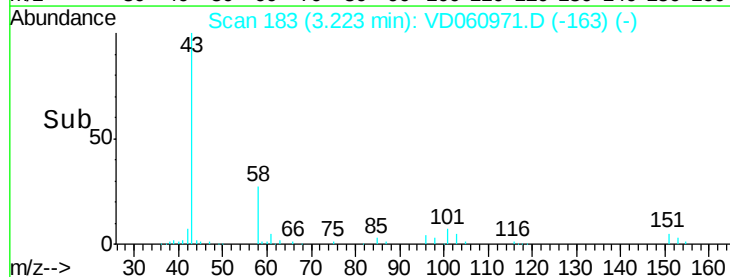
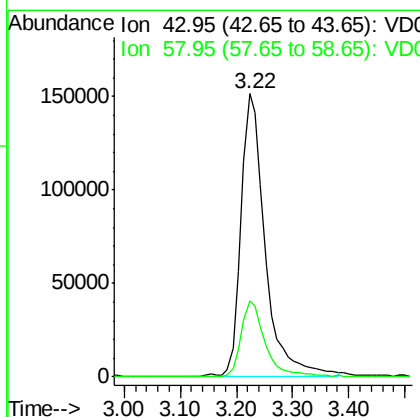
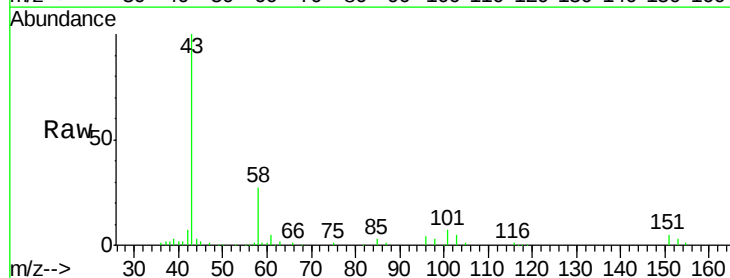
RT: 3.22 min Scan# 183

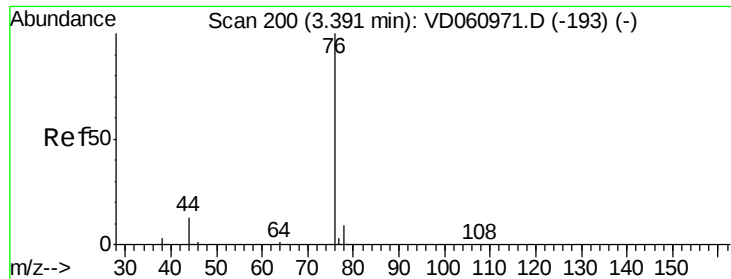
Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Tgt Ion:	43	Resp:	457194
Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.6	32.4





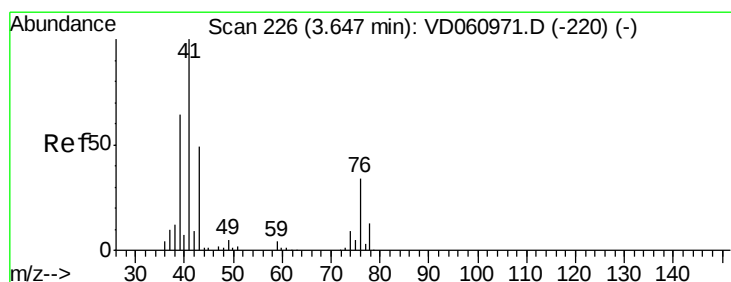
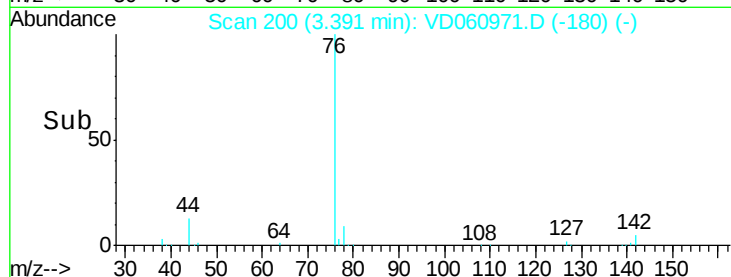
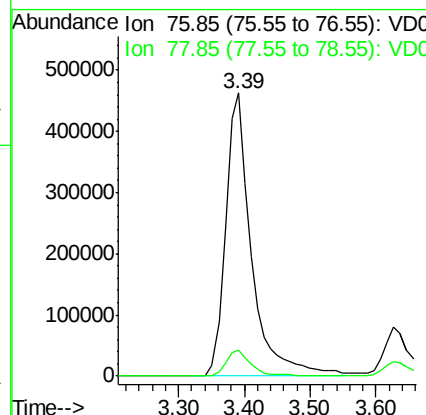
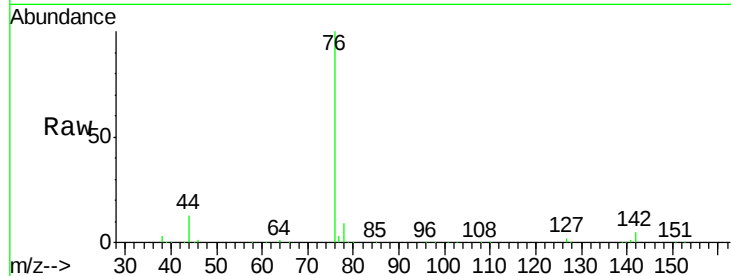
#17
Carbon Disulfide
Concen: 42.778 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1269899
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.2

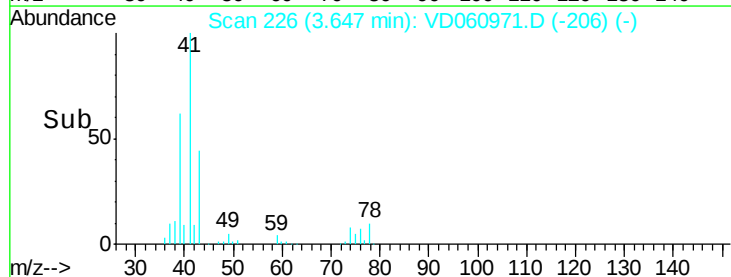
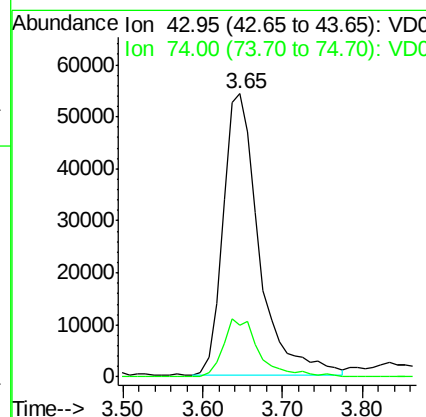
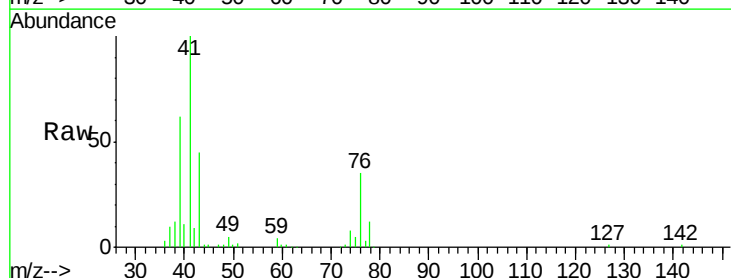
Manual Integrations
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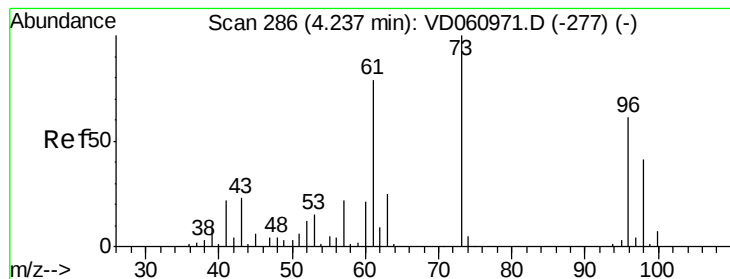
MMDadoda
3/8/2019 9:46:25 PM



#18
Methyl Acetate
Concen: 41.347 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 43 Resp: 171369
Ion Ratio Lower Upper
43 100
74 18.2 14.6 21.8





#19

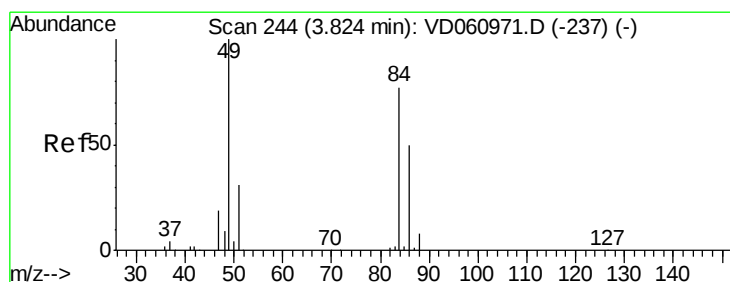
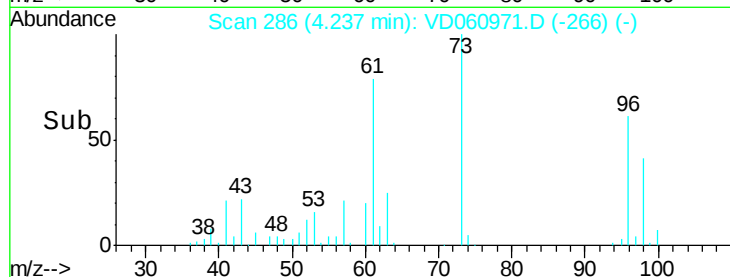
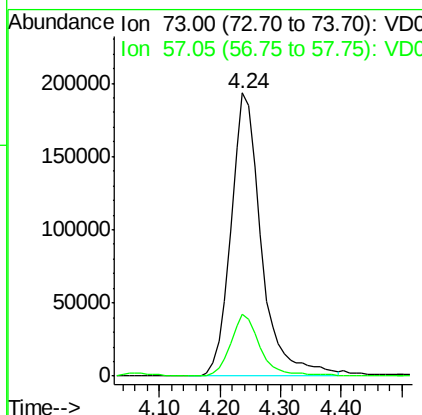
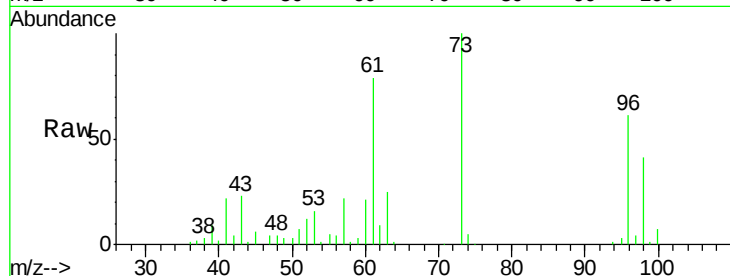
Methyl tert-butyl Ether
 Concen: 45.360 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 73 Resp: 674378
 Ion Ratio Lower Upper
 73 100
 57 22.1 17.7 26.5

Manual Integrations
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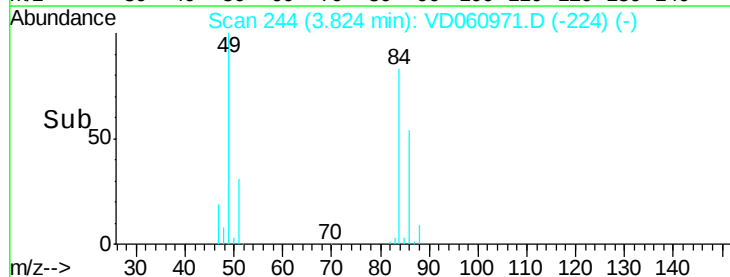
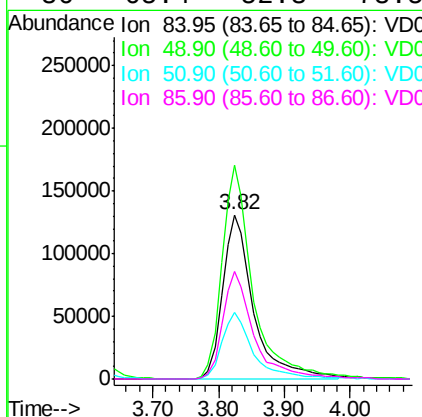
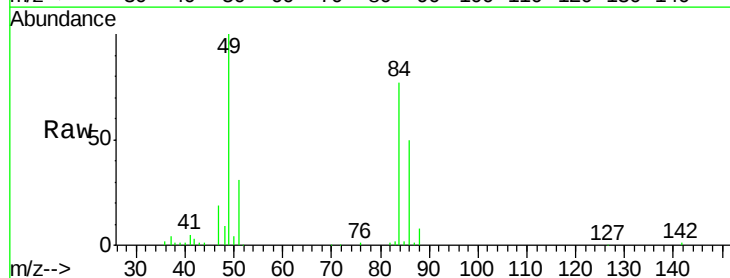
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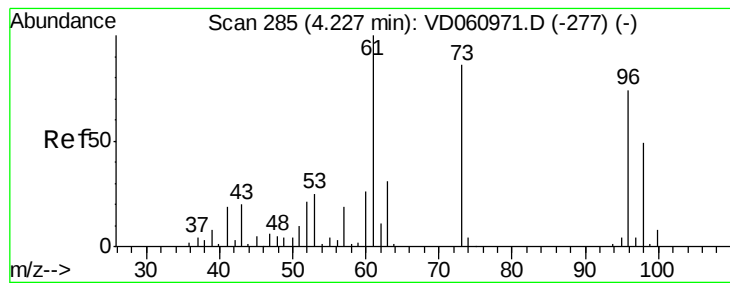


#20

Methylene Chloride
 Concen: 38.355 ug/l
 RT: 3.82 min Scan# 244
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 84 Resp: 431713
 Ion Ratio Lower Upper
 84 100
 49 130.2 104.2 156.2
 51 40.4 32.3 48.5
 86 65.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 44.898 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

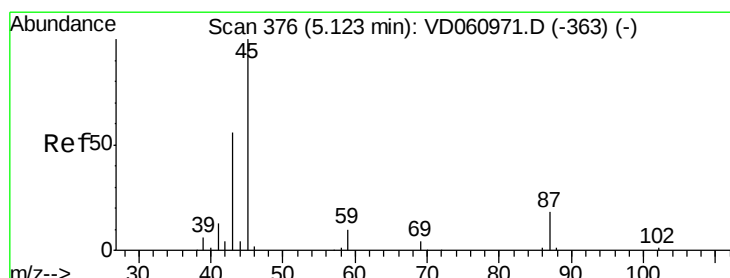
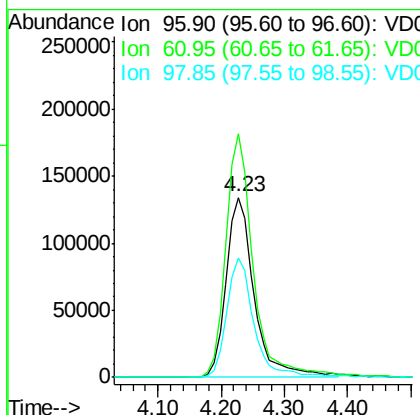
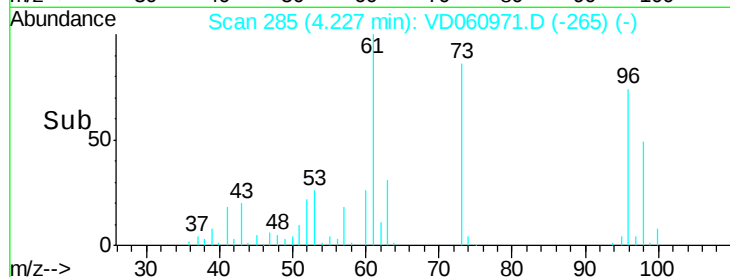
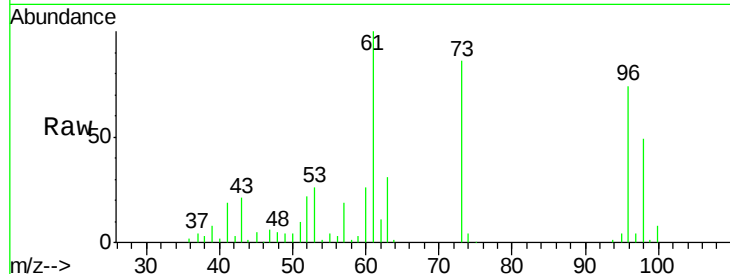
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	412454
Ion	Ratio	Lower	Upper
96	100		
61	135.5	108.4	162.6
98	66.2	53.0	79.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 45.225 ug/l

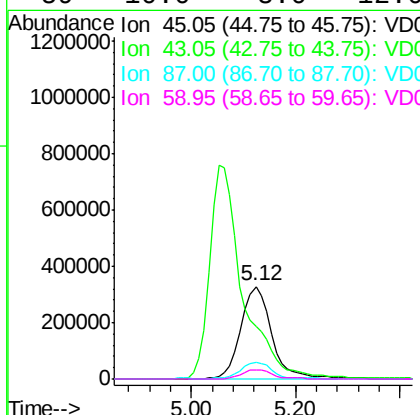
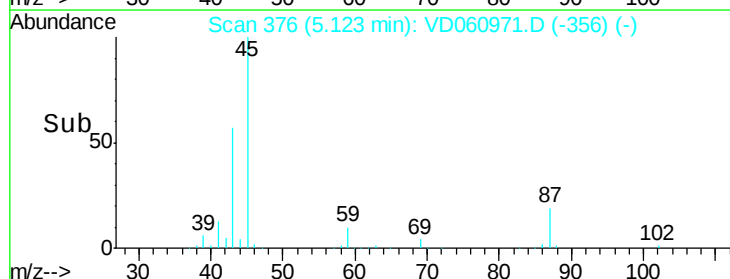
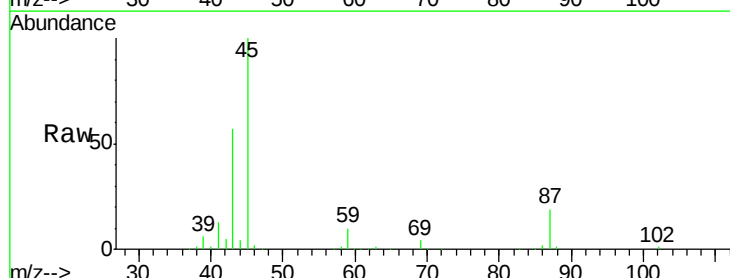
RT: 5.12 min Scan# 376

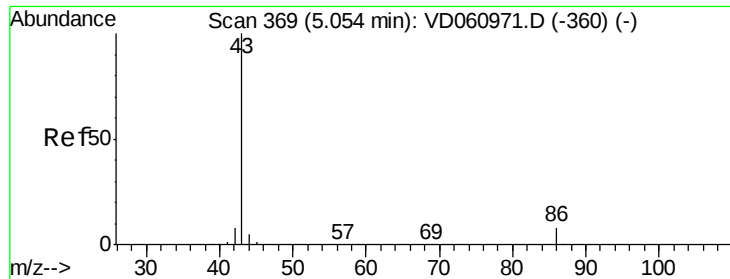
Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Tgt Ion:	45	Resp:	1317019
Ion	Ratio	Lower	Upper
45	100		
43	57.3	45.8	68.8
87	18.6	14.9	22.3
59	10.0	8.0	12.0





#23

Vinyl Acetate

Concen: 214.819 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3278279

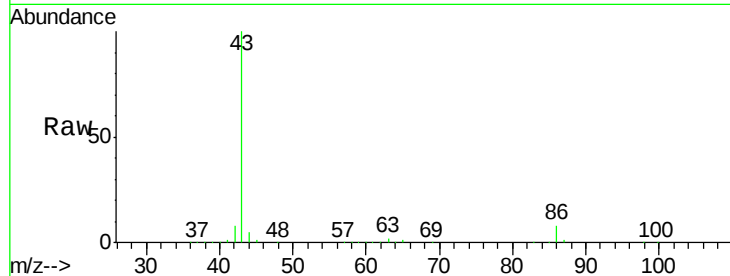
Ion Ratio Lower Upper

43 100

86 7.7 6.2 9.2

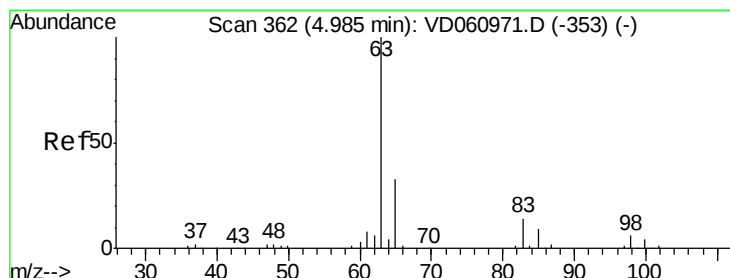
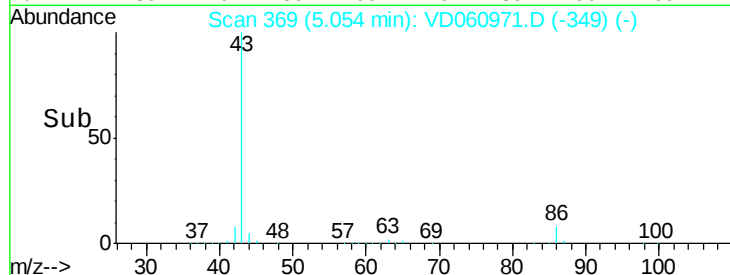
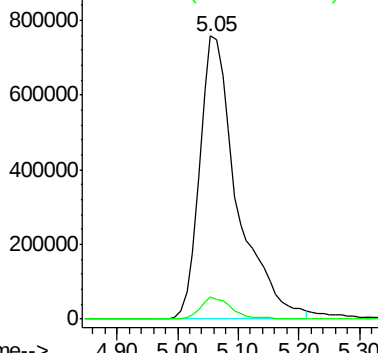
Manual Integrations
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3/8/2019 9:46:25 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 45.388 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

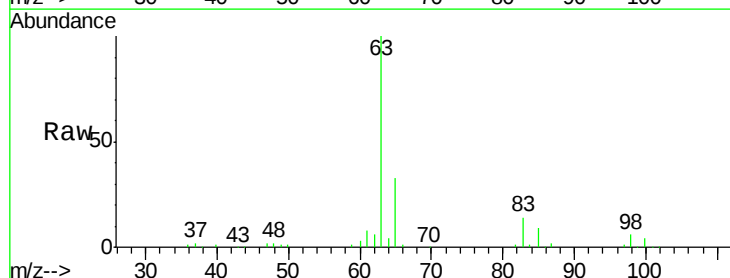
Tgt Ion: 63 Resp: 710756

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

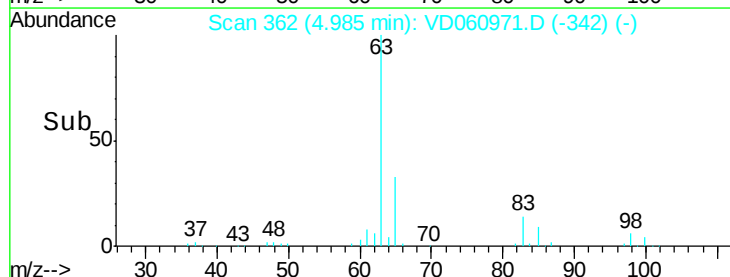
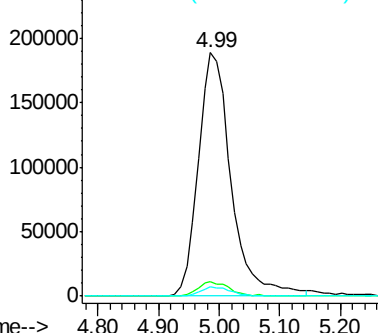
100 3.9 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 219.632 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 544904

Ion Ratio Lower Upper

43 100

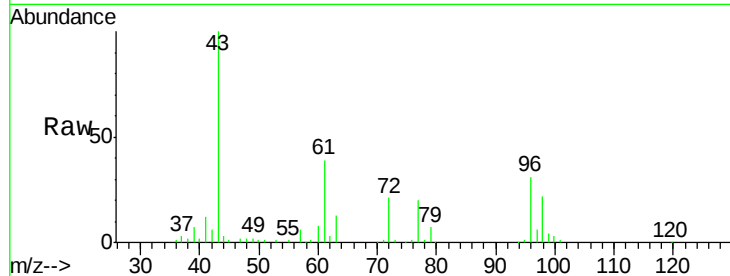
72 20.9 16.7 25.1

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.07

150000

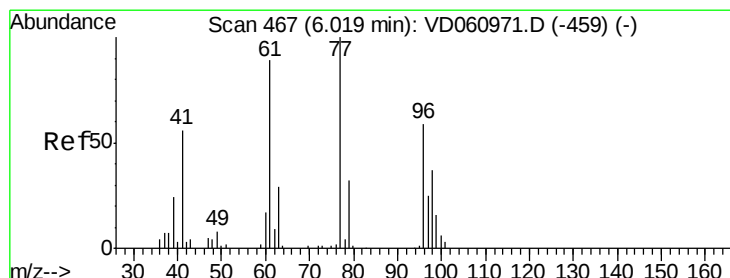
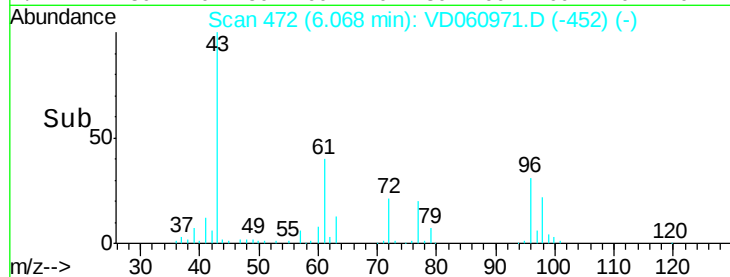
100000

50000

0

6.00 6.10

Time-->



#26

2,2-Dichloropropane

Concen: 46.513 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD060971.D

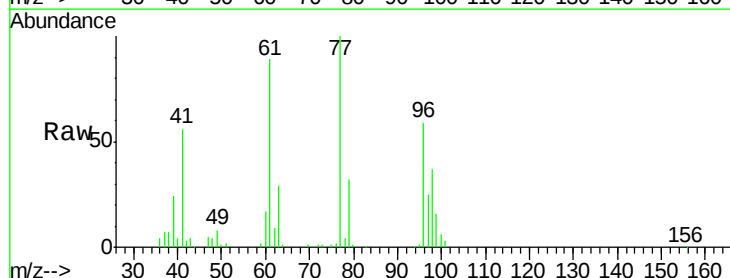
Acq: 7 Mar 2019 16:31

Tgt Ion: 77 Resp: 541279

Ion Ratio Lower Upper

77 100

97 25.1 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

6.02

150000

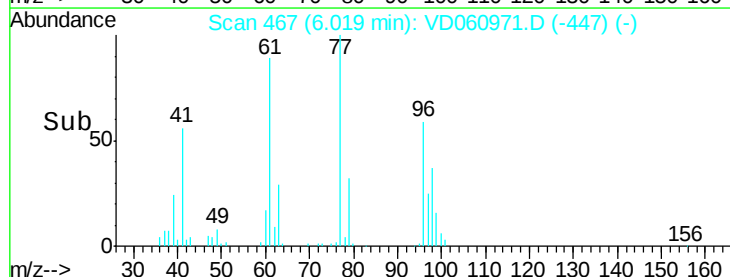
100000

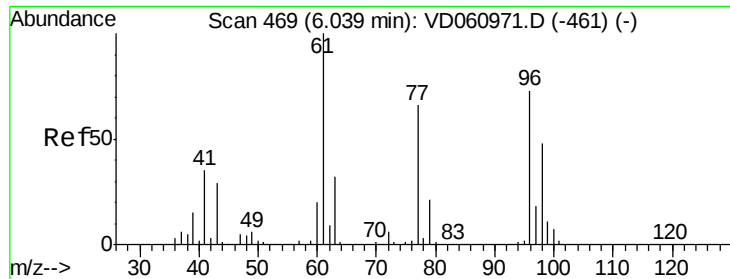
50000

0

5.90 6.00 6.10 6.20

Time-->





#27

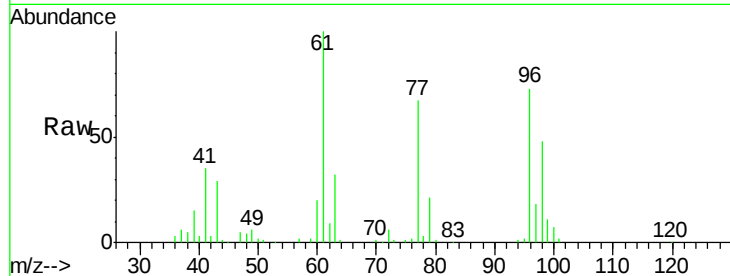
cis-1,2-Dichloroethene
Concen: 43.555 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	450705		
61	136.8	0.0	273.6	
98	66.3	0.0	132.6	

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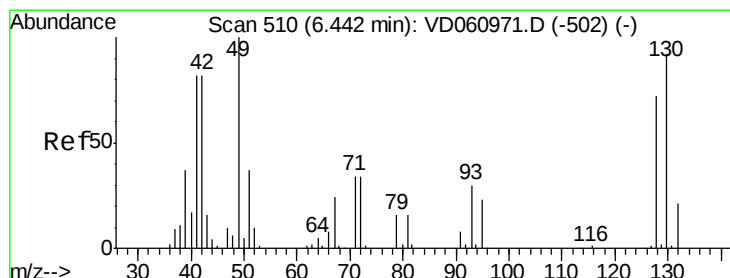
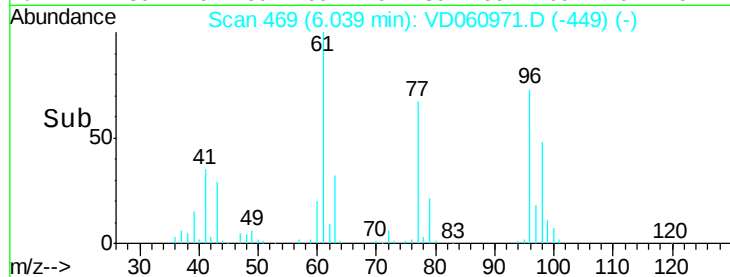
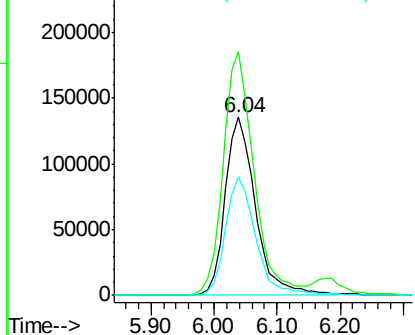


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

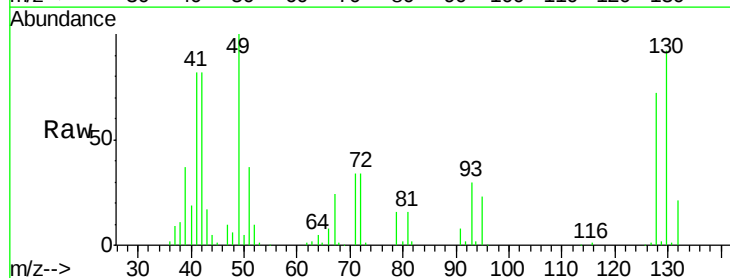
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
Concen: 45.747 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	297688		
129	2.0	0.0	4.0	
130	92.3	73.8	110.8	

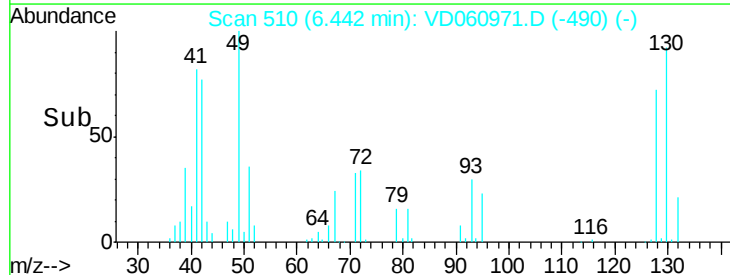
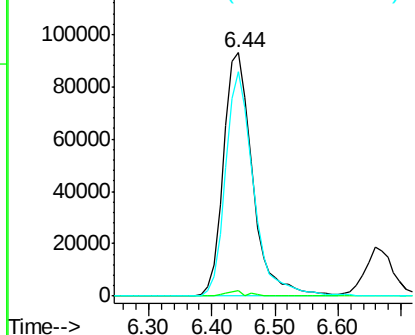


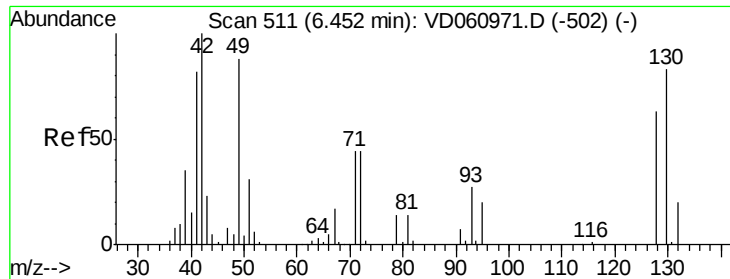
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





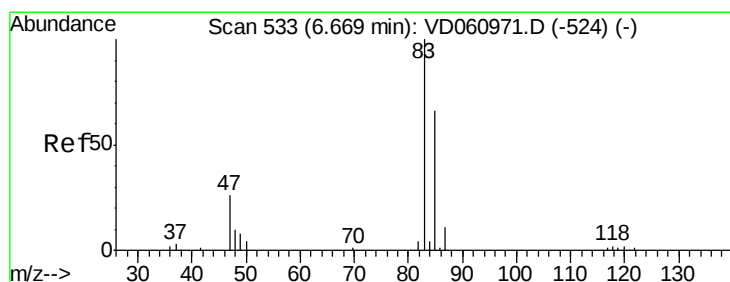
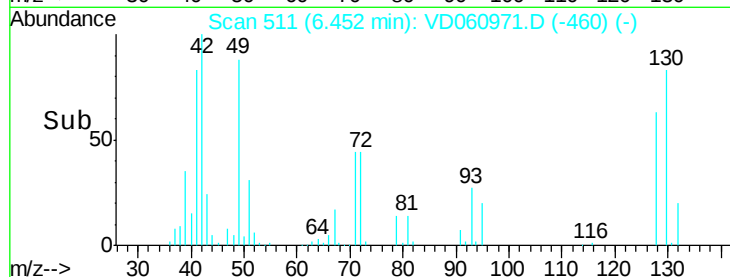
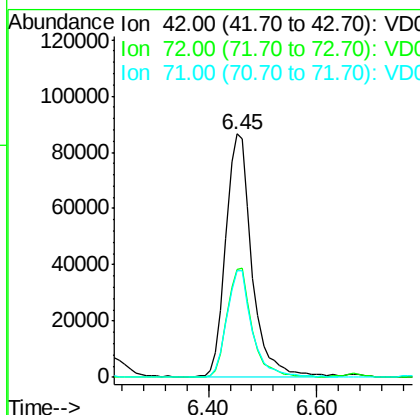
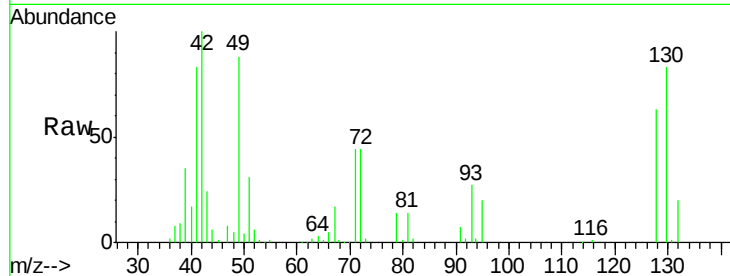
#29
Tetrahydrofuran
Concen: 225.543 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	292681		
72	43.1		34.5	51.7
71	42.2		33.8	50.6

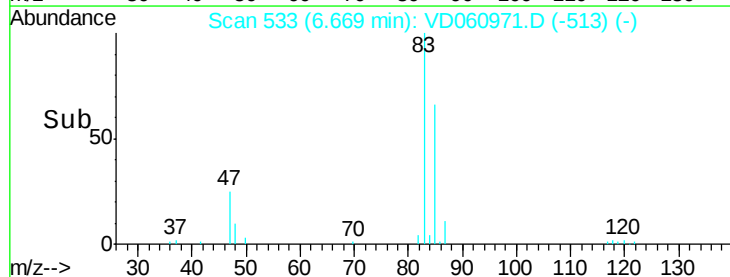
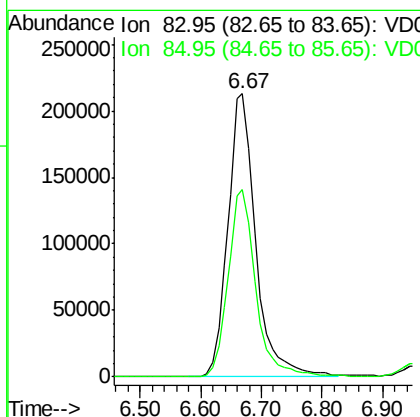
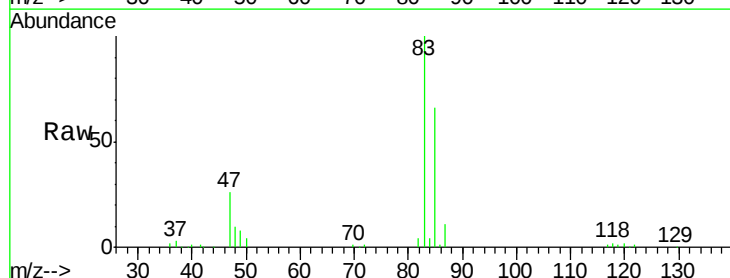
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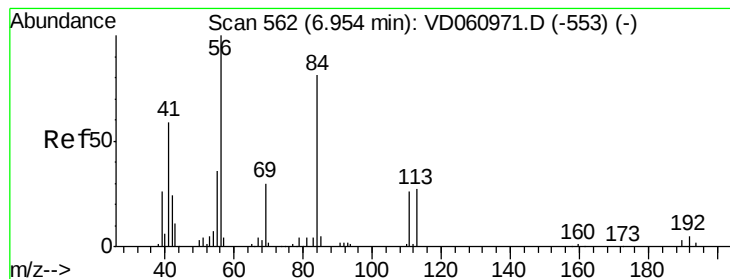
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#30
Chloroform
Concen: 44.765 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	678298		
85	66.2		53.0	79.4





#31

Cyclohexane

Concen: 45.066 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

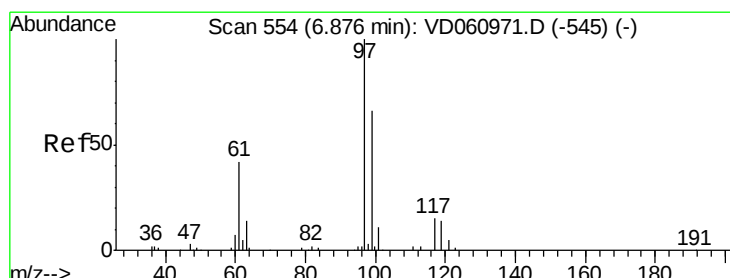
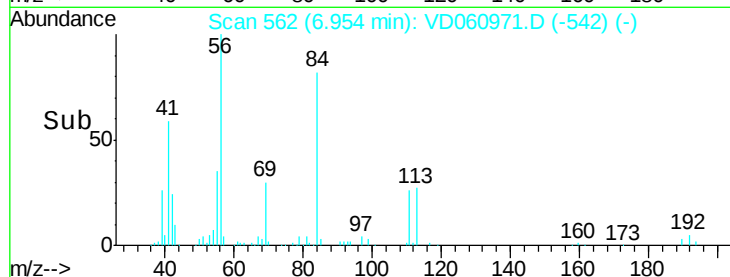
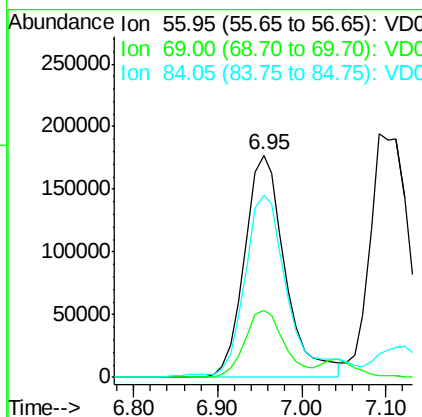
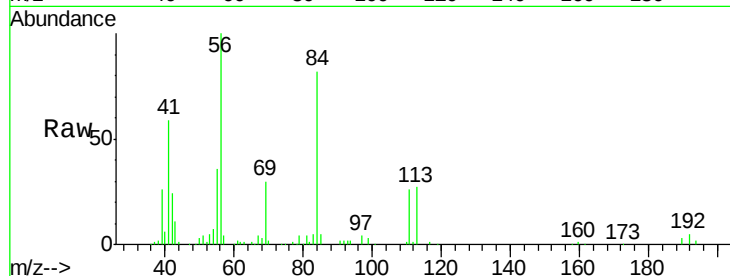
ClientSampleID :

VSTDICCC050

Tot Ion:	56	Resp:	598859
Ion	Ratio	Lower	Upper
56	100		
69	30.0	24.0	36.0
84	82.2	65.8	98.6

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#32

1,1,1-Trichloroethane

Concen: 48.039 ug/l

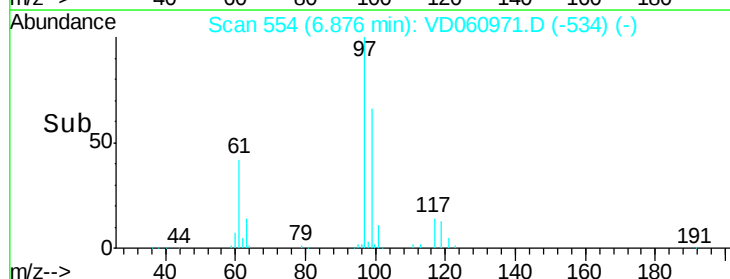
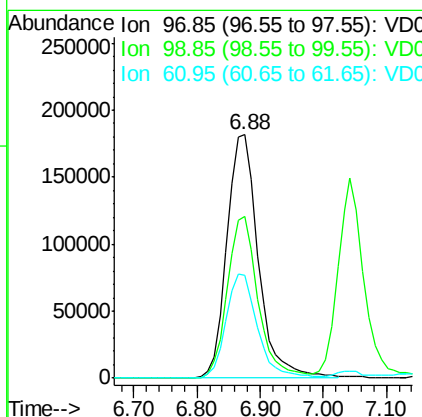
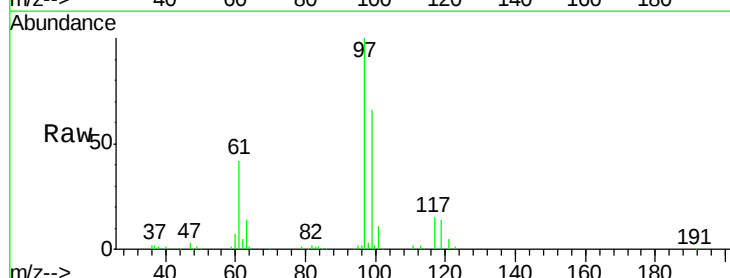
RT: 6.88 min Scan# 554

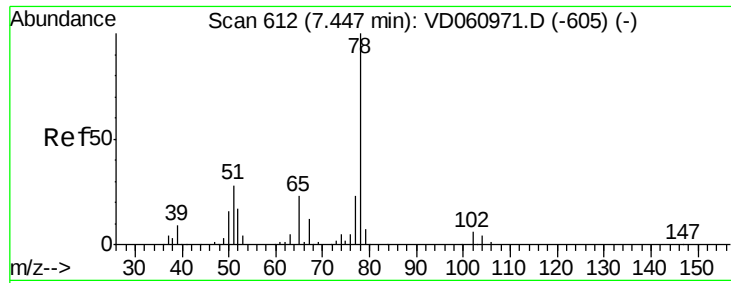
Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Tgt Ion:	97	Resp:	626098
Ion	Ratio	Lower	Upper
97	100		
99	66.5	53.2	79.8
61	42.3	33.8	50.8





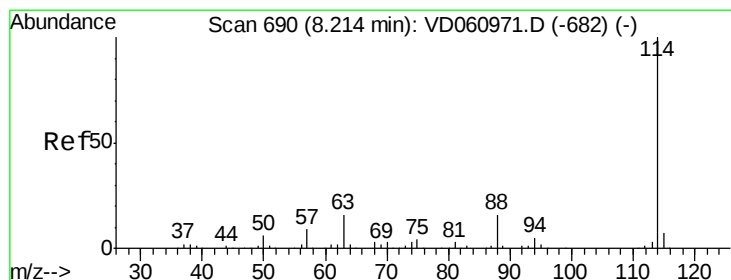
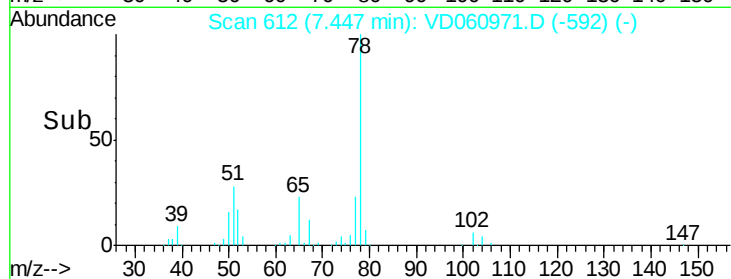
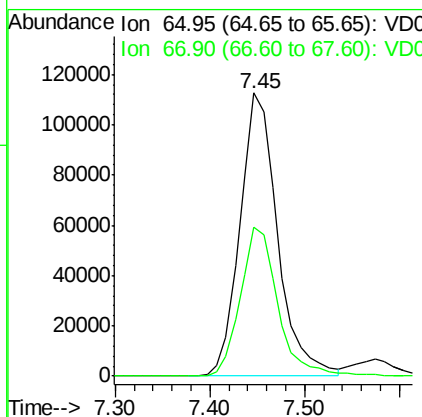
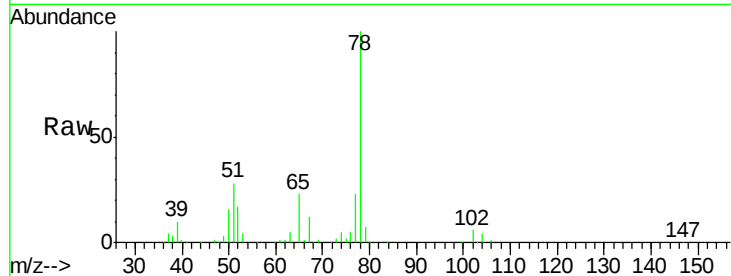
#33
 1,2-Dichloroethane-d4
 Concen: 48.039 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 65 Resp: 310578
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.2

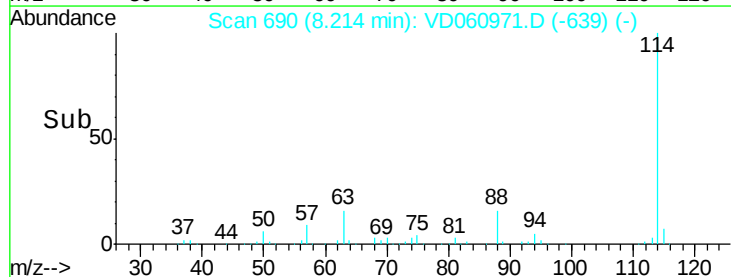
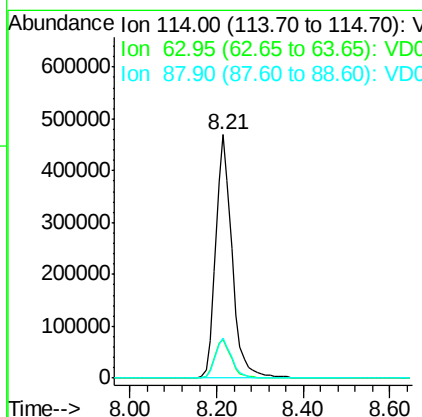
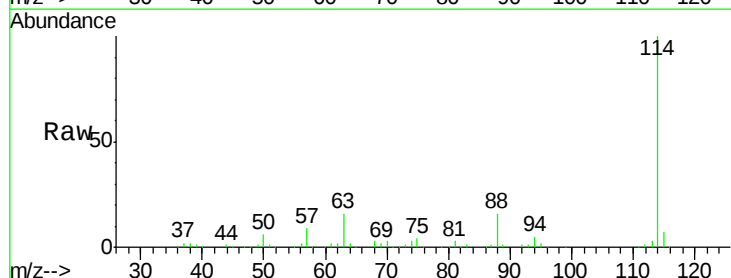
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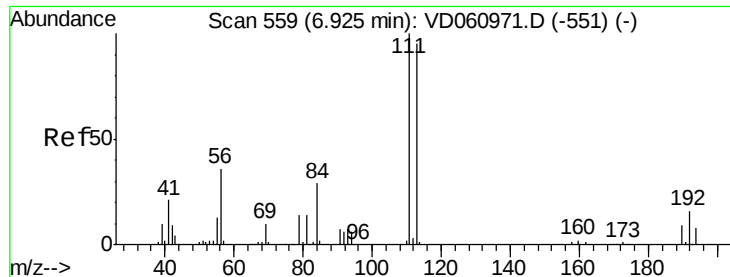
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 114 Resp: 1230199
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.4
 88 16.5 0.0 33.0





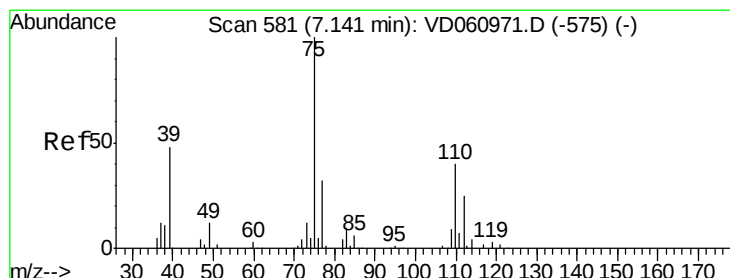
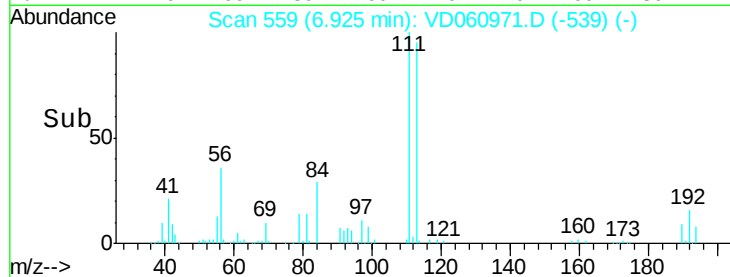
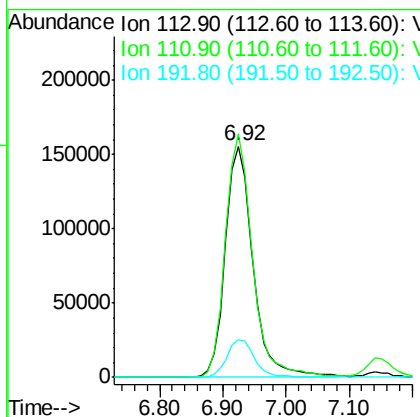
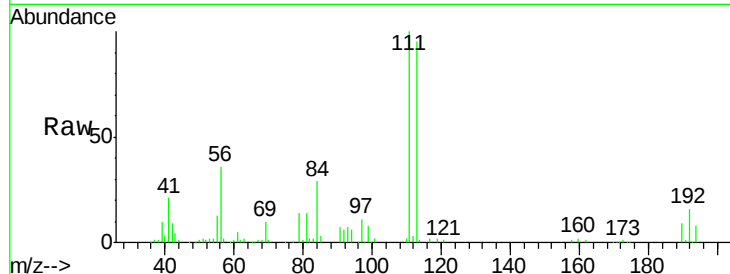
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	105.3	84.2	126.4	
192	16.4	13.1	19.7	

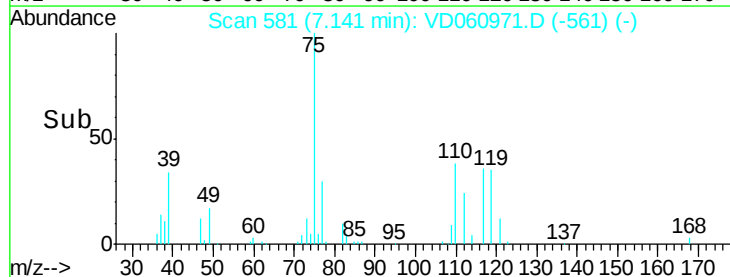
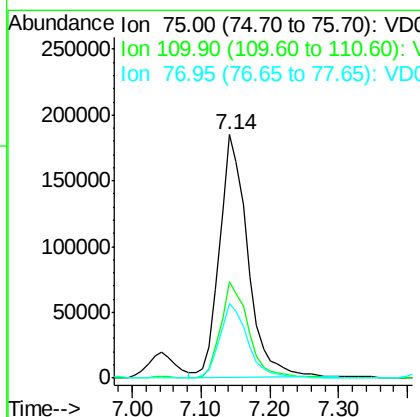
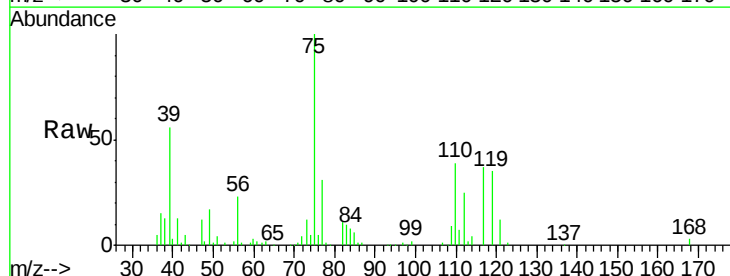
Manual Integrations
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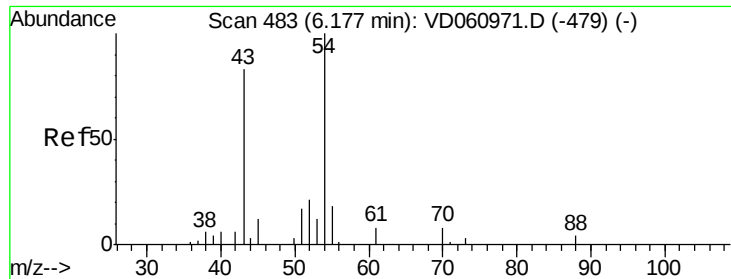
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 3/8/2019 9:46:25 PM



#36
 1,1-Dichloropropene
 Concen: 46.482 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.4	19.7	59.1	
77	30.9	24.7	37.1	





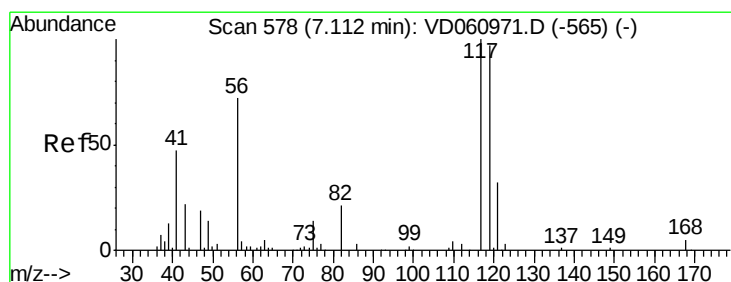
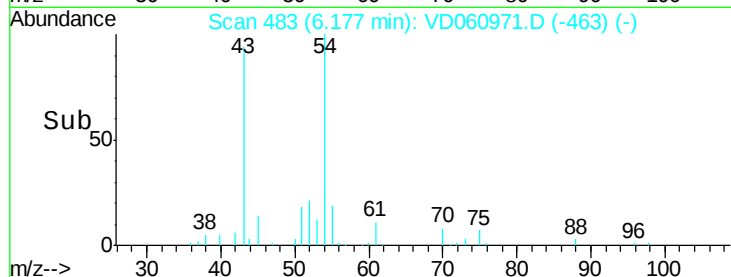
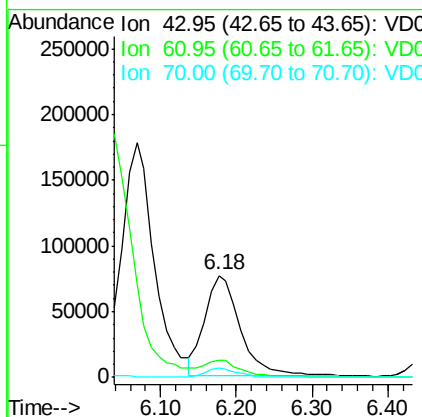
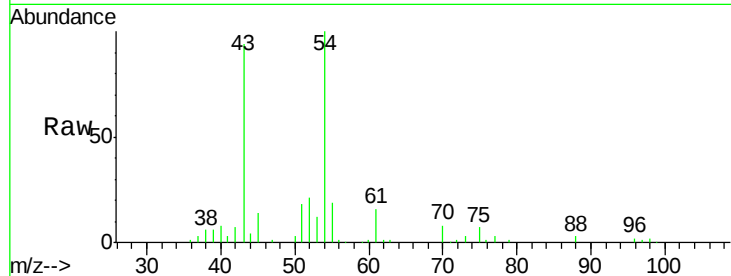
#37
Ethyl Acetate
Concen: 43.298 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.1	13.7	20.5
70	8.9	7.1	10.7

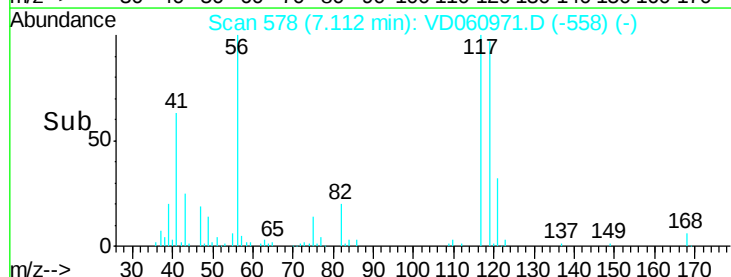
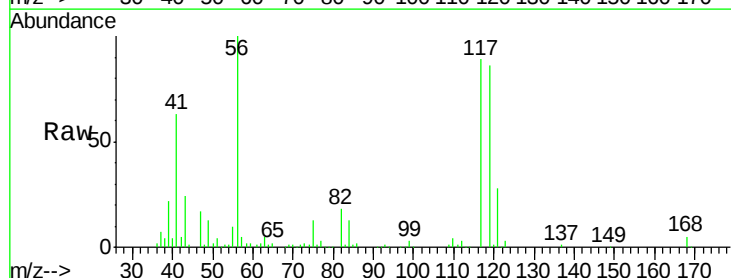
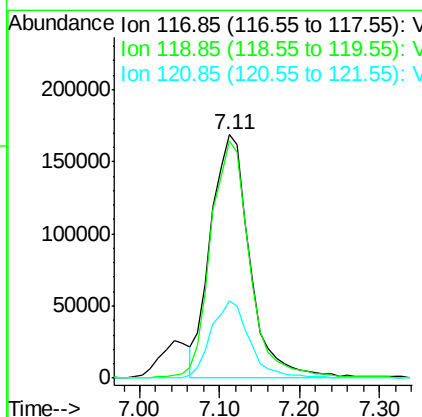
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#38
Carbon Tetrachloride
Concen: 47.049 ug/l m
RT: 7.11 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.8
121	31.6	25.3	37.9





#39

Methvlcvclohexane

Concen: 47.624 ug/l

RT: 8.85 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 585480

Ion Ratio Lower Upper

83 100

55 87.0 69.6 104.4

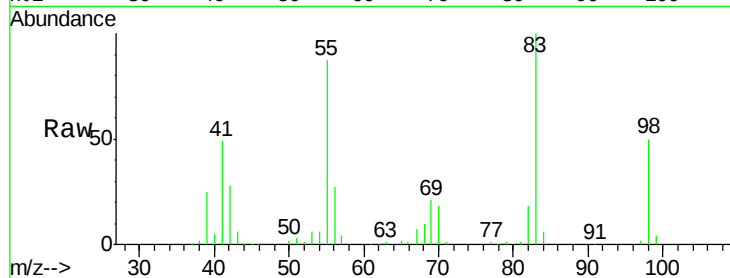
98 50.0 40.0 60.0

Manual Integrations

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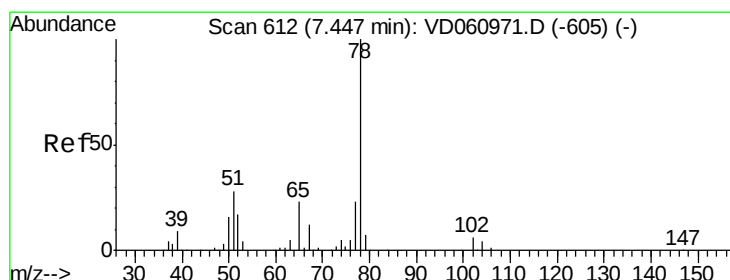
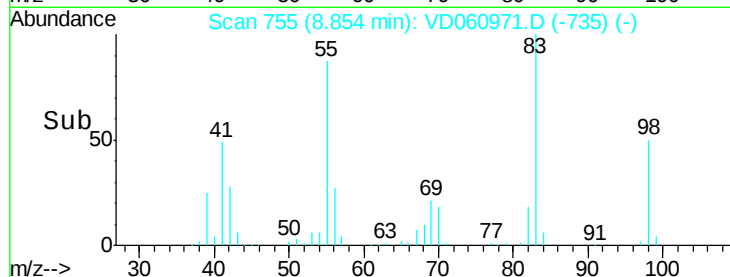
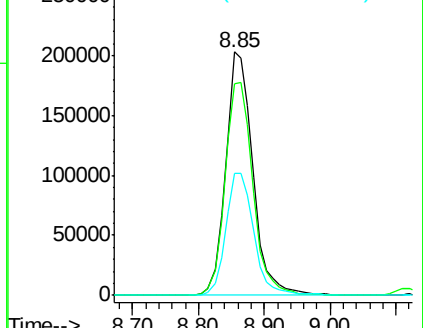
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Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 48.838 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD060971.D

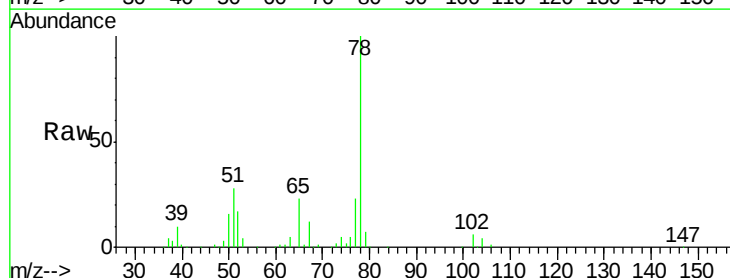
Acq: 7 Mar 2019 16:31

Tgt Ion: 78 Resp: 1421509

Ion Ratio Lower Upper

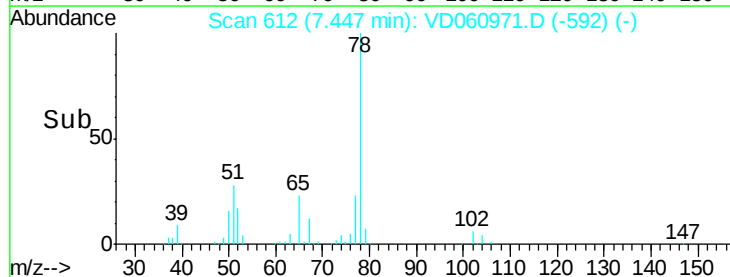
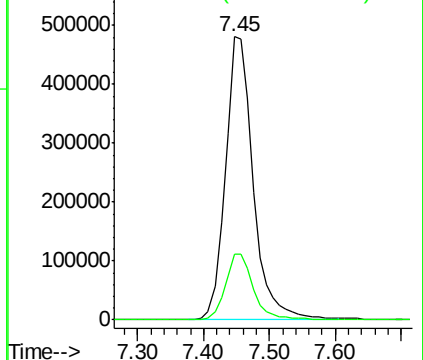
78 100

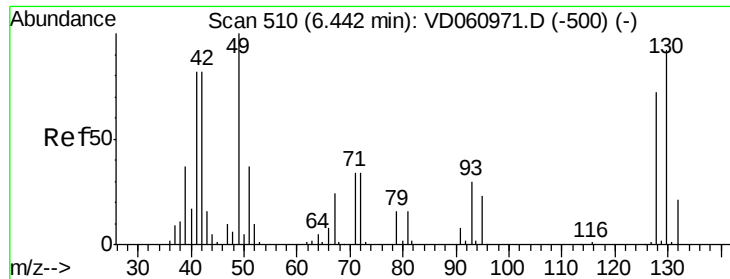
77 23.5 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





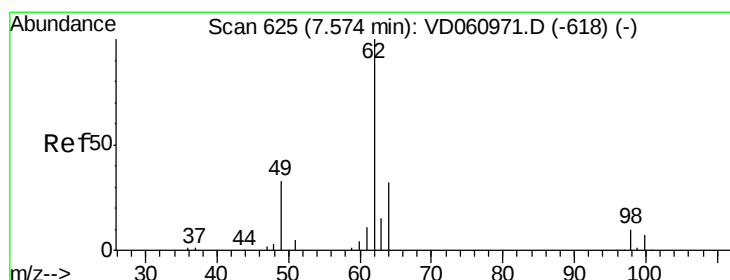
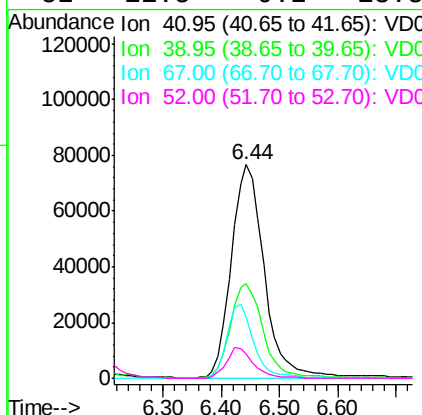
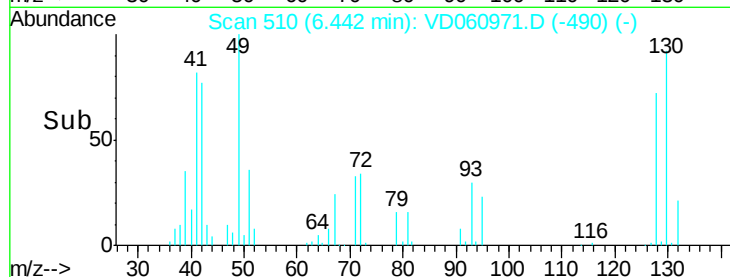
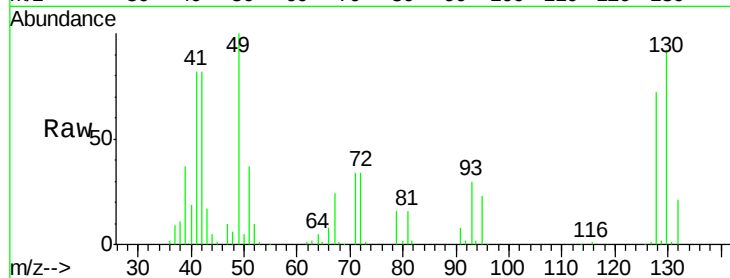
#41
Methacrylonitrile
Concen: 72.967 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	44.6	35.7	53.5	
67	28.8	23.0	34.6	
52	11.5	9.2	13.8	

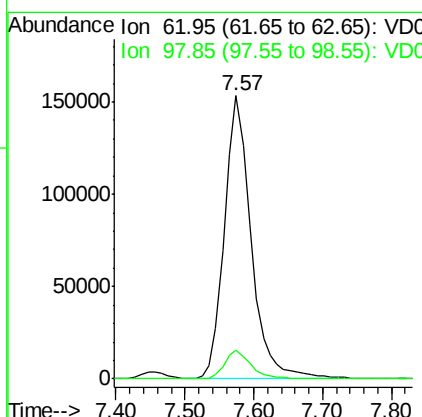
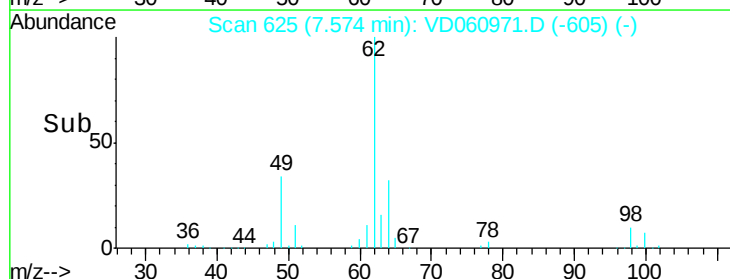
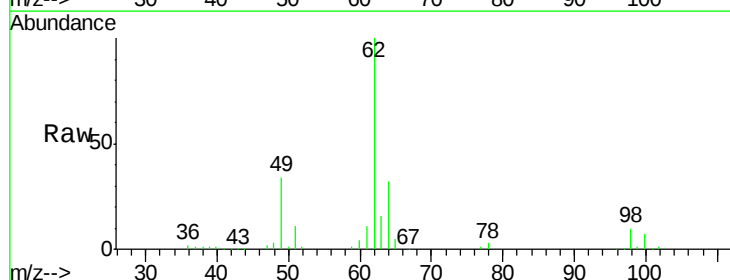
Manual Integrations
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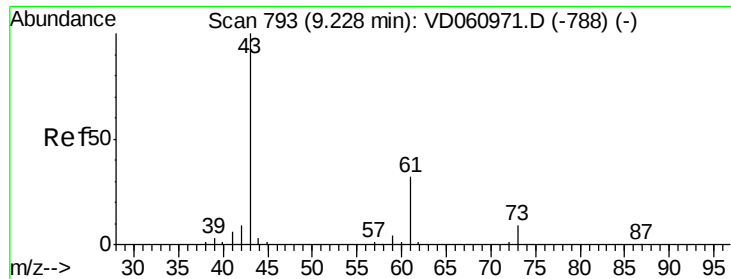
MMDadoda
3/8/2019 9:46:25 PM



#42
1,2-Dichloroethane
Concen: 50.190 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.4	





#43

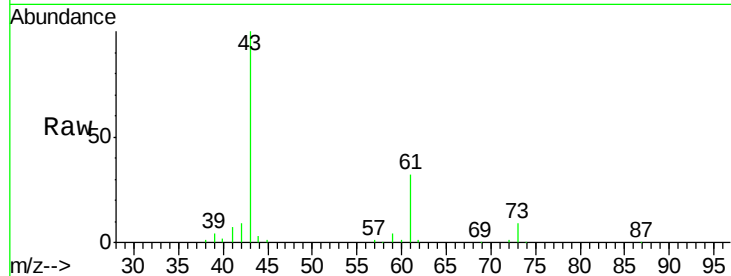
Isopropyl Acetate
 Concen: 46.371 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

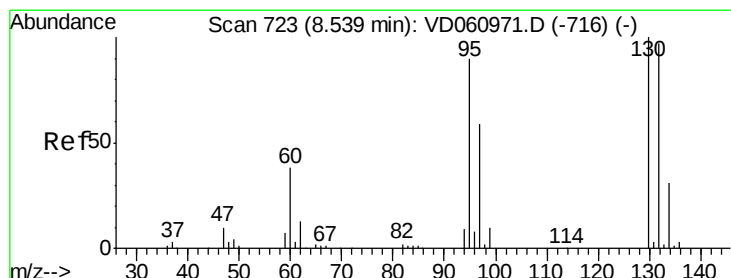
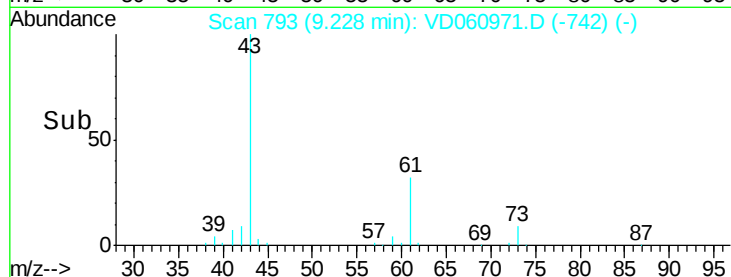
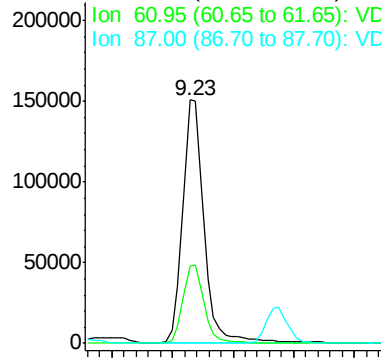
Tot Ion	Ratio	Lower	Upper
43	100		
61	32.0	25.6	38.4
87	0.3	0.2	0.4

Manual Integrations
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 3/8/2019 9:46:25 PM



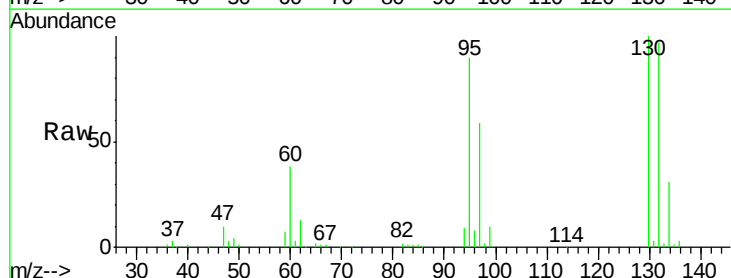
Abundance Ion 42.95 (42.65 to 43.65): VD060971.D (-788) (-)



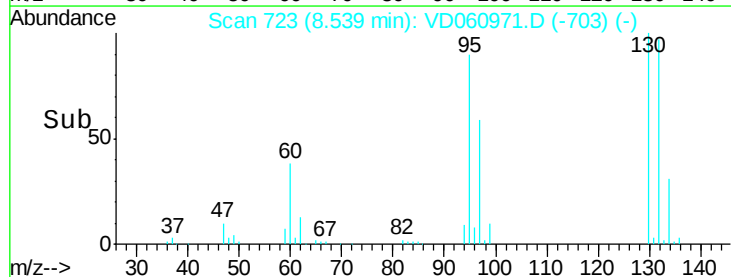
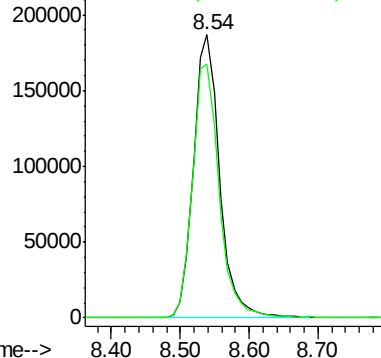
#44

Trichloroethene
 Concen: 49.649 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	179.4



Abundance Ion 129.80 (129.50 to 130.50): VD060971.D (-716) (-)





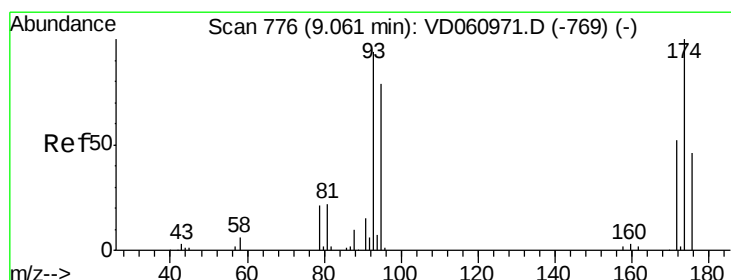
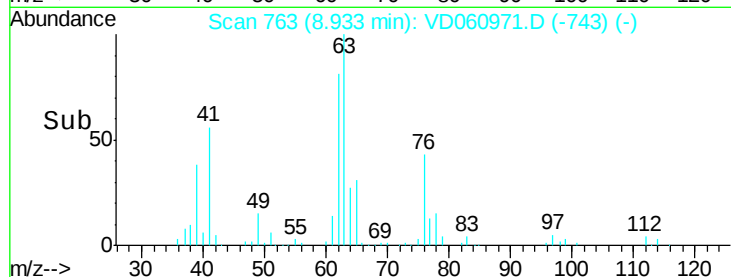
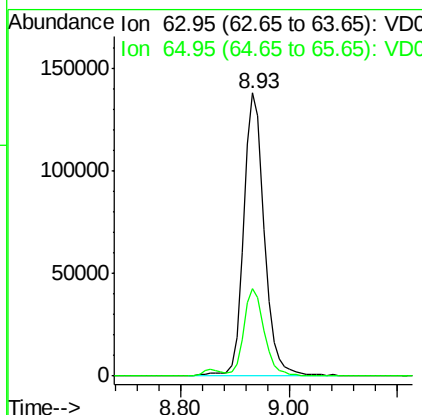
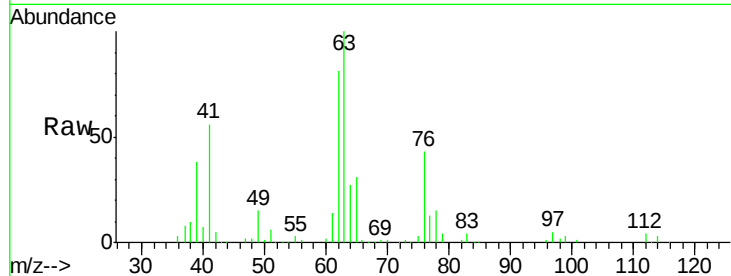
#45
 1,2-Dichloropropane
 Concen: 47.899 ug/l
 RT: 8.93 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 366349
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2

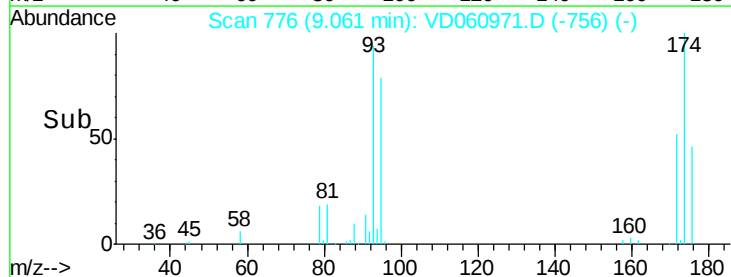
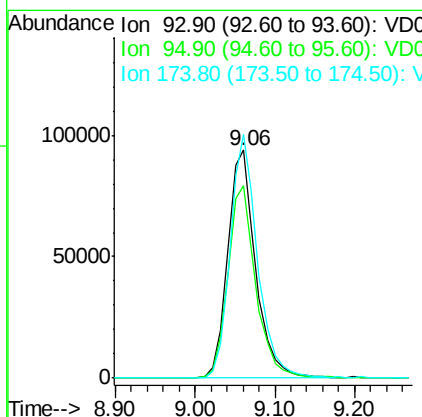
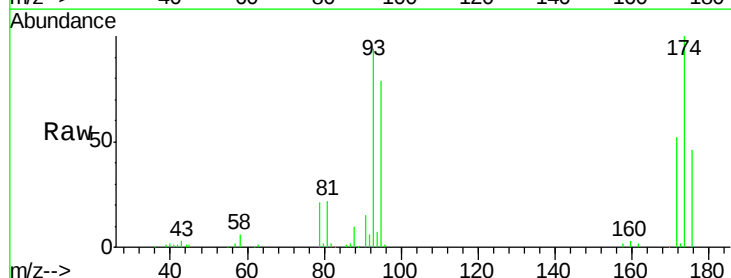
Manual Integrations
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MMDadoda
 3/8/2019 9:46:25 PM



#46
 Dibromomethane
 Concen: 47.085 ug/l
 RT: 9.06 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 93 Resp: 230400
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.4 101.0
 174 106.7 85.4 128.0





#47

Bromodichloromethane

Concen: 50.626 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 549822

Ion Ratio Lower Upper

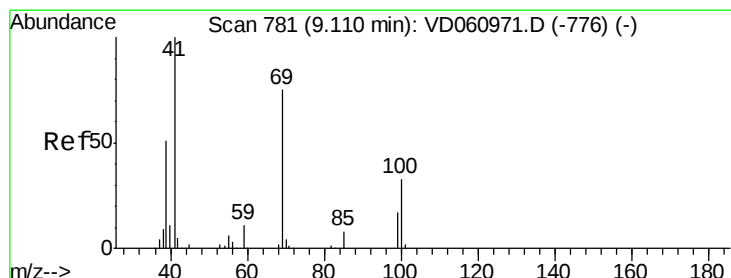
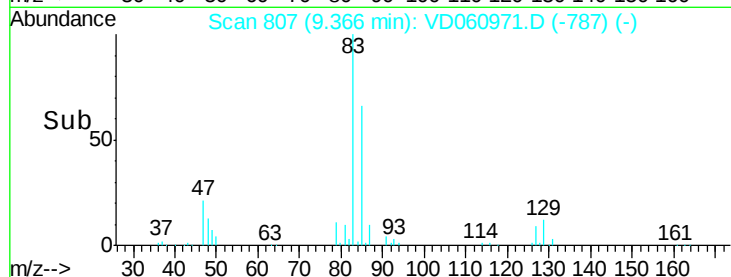
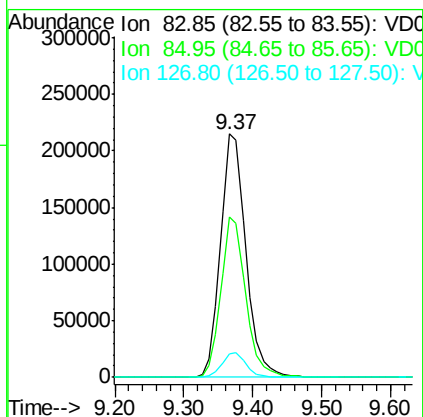
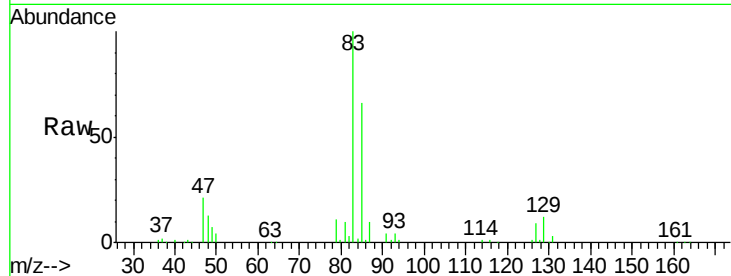
83 100

85 65.6 52.5 78.7

127 9.4 7.5 11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.841 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

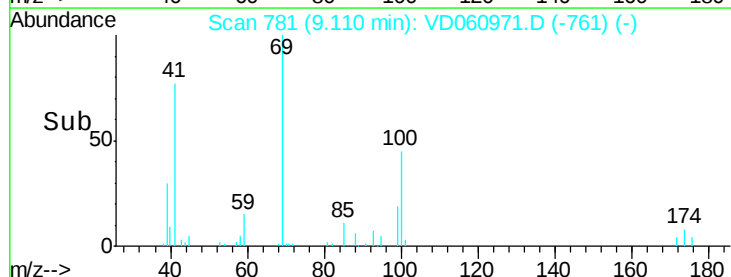
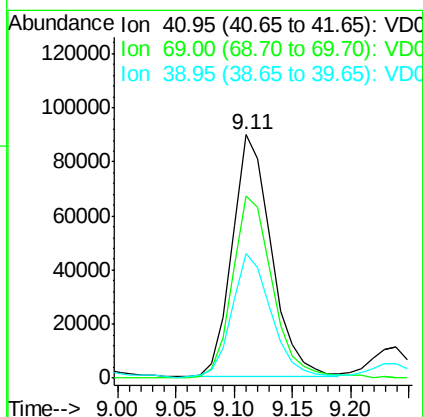
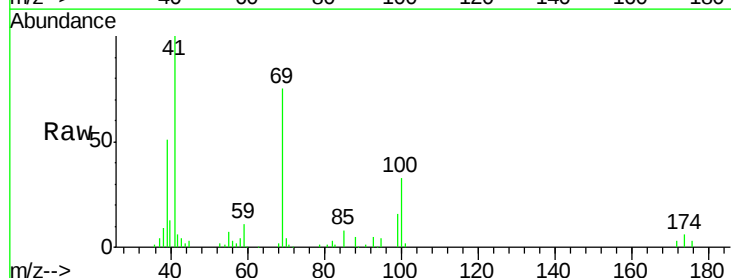
Tgt Ion: 41 Resp: 207853

Ion Ratio Lower Upper

41 100

69 74.9 59.9 89.9

39 51.1 40.9 61.3





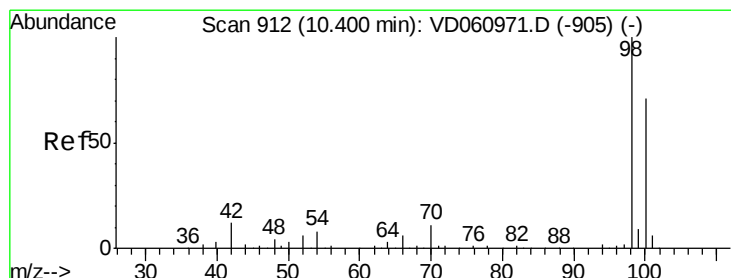
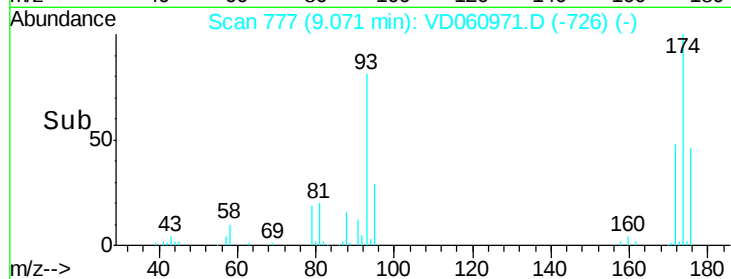
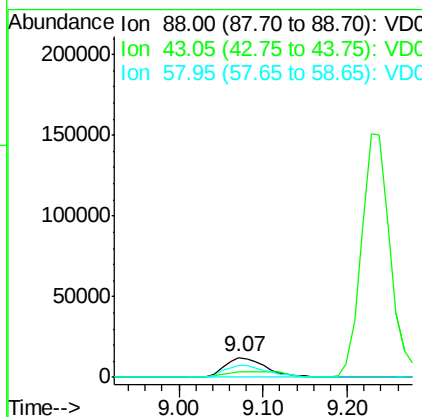
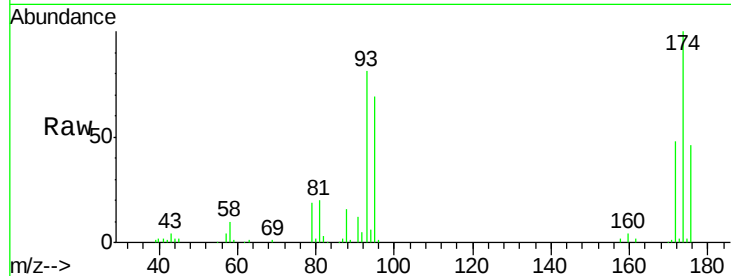
#49
1,4-Dioxane
Concen: 884.166 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	21.0	31.6
58	60.7	48.6	72.8

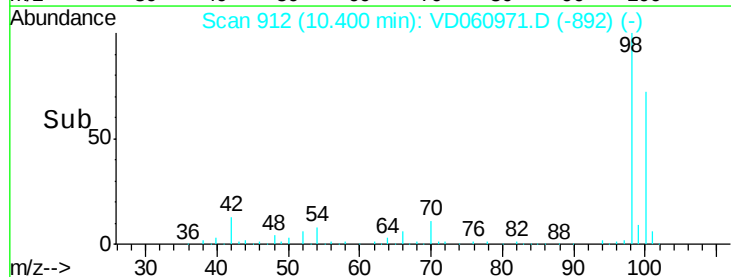
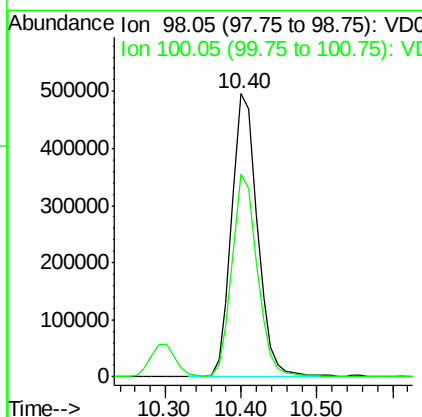
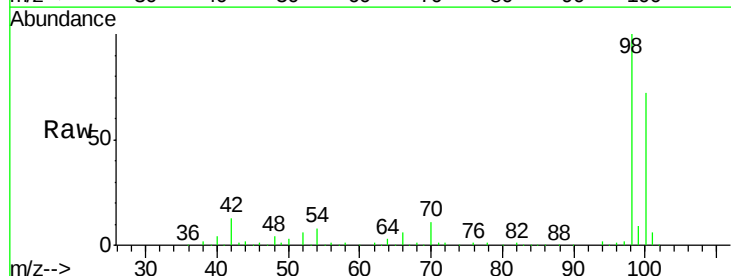
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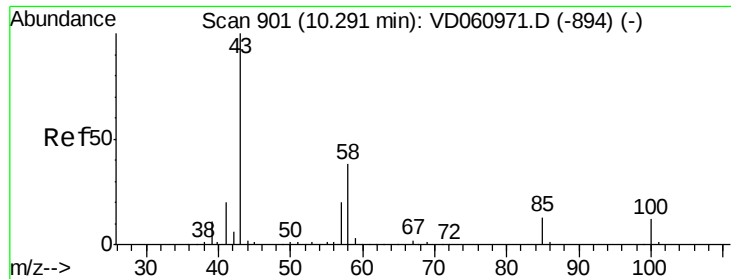
MMDadoda
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#50
Toluene-d8
Concen: 884.166 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.8	57.4	86.2





#51

4-Methyl-2-Pentanone

Concen: 224.224 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Tot Ion: 43 Resp: 1097994

Ion Ratio Lower Upper

43 100

58 37.7 30.2 45.2

Instrument :

MSVOA_D

ClientSampled :

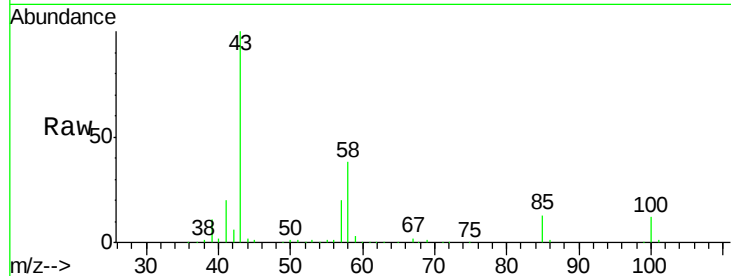
VSTDICCC050

Manual Integrations

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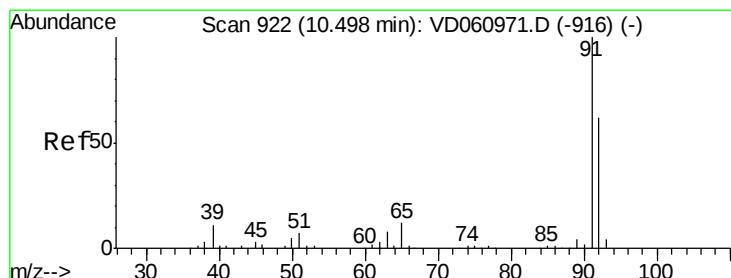
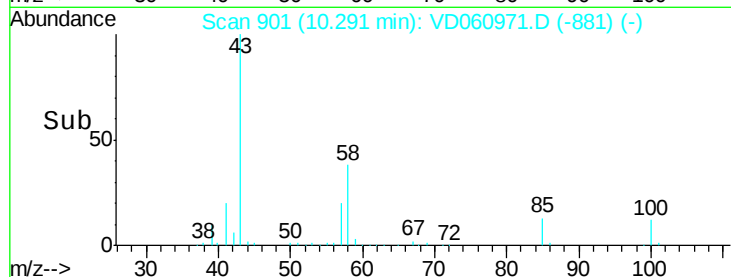
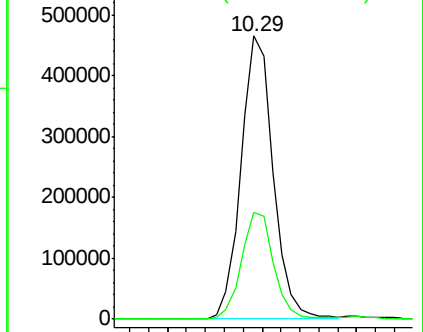
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 46.785 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD060971.D

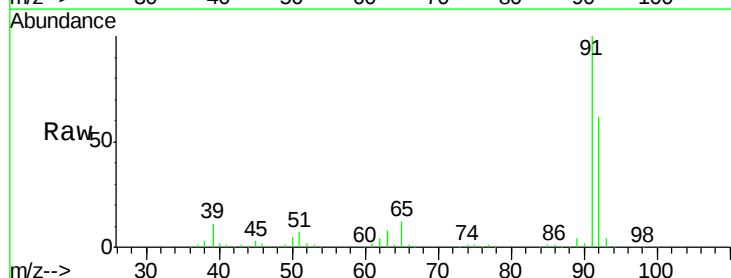
Acq: 7 Mar 2019 16:31

Tgt Ion: 92 Resp: 866666

Ion Ratio Lower Upper

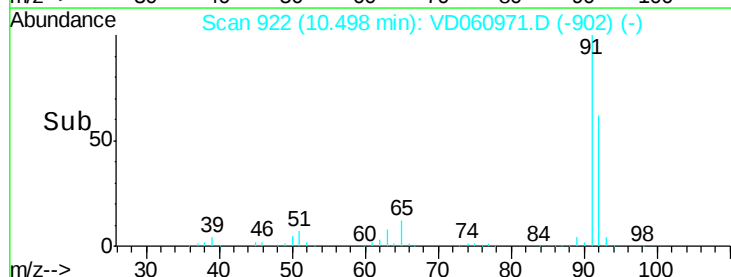
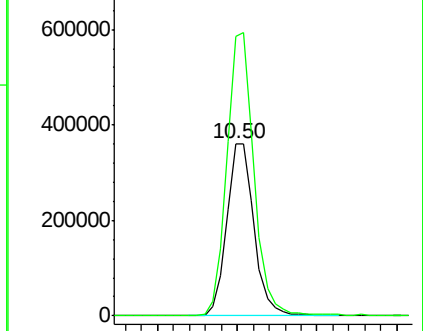
92 100

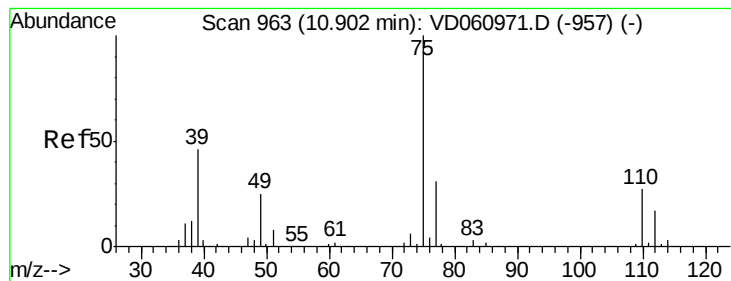
91 162.3 129.8 194.8



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: 48.078 ug/l

RT: 10.90 min Scan# 963

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Tot Ion: 75 Resp: 474400

Ion Ratio Lower Upper

75 100

77 30.9 24.7 37.1

Instrument :

MSVOA_D

ClientSampleId :

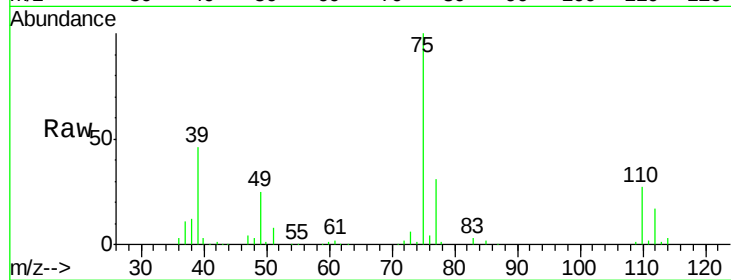
VSTDICCC050

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.90

250000

200000

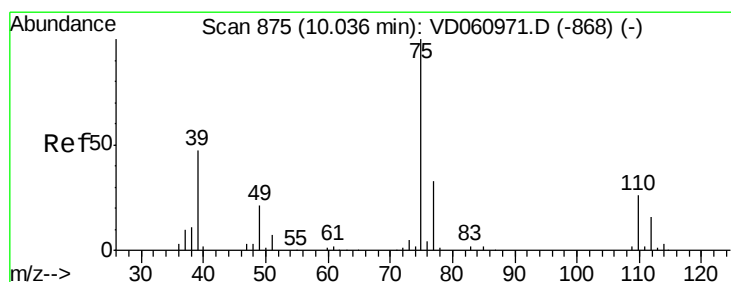
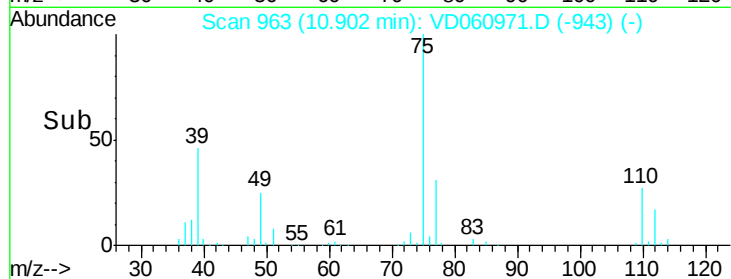
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 45.097 ug/l

RT: 10.04 min Scan# 875

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

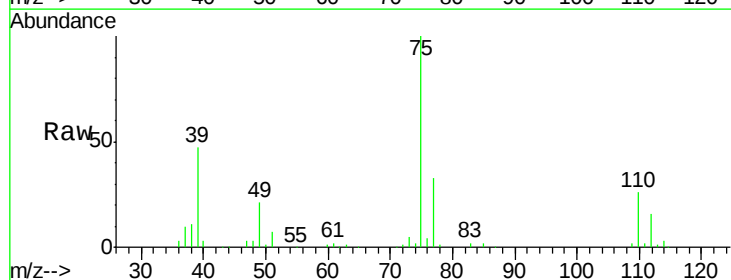
Tgt Ion: 75 Resp: 545802

Ion Ratio Lower Upper

75 100

77 32.8 26.2 39.4

39 47.3 37.8 56.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

10.04

300000

250000

200000

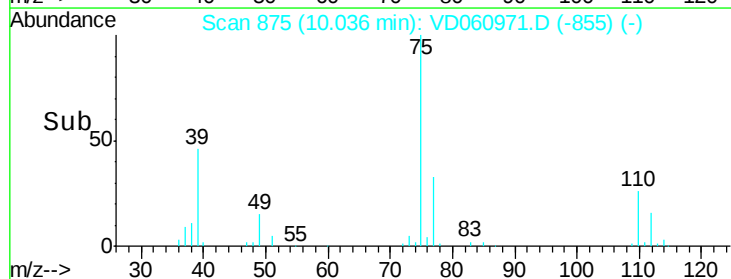
150000

100000

50000

0

Time-->





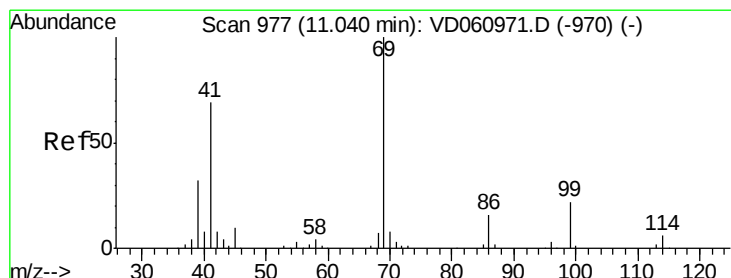
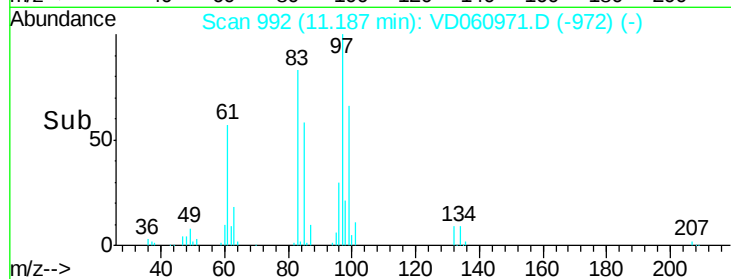
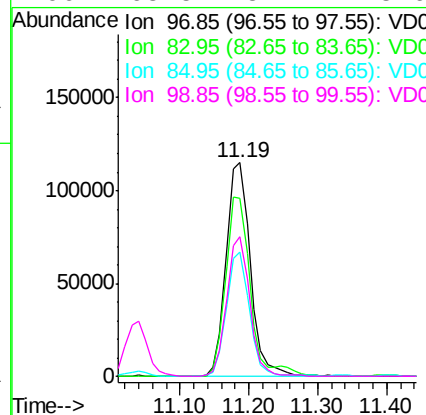
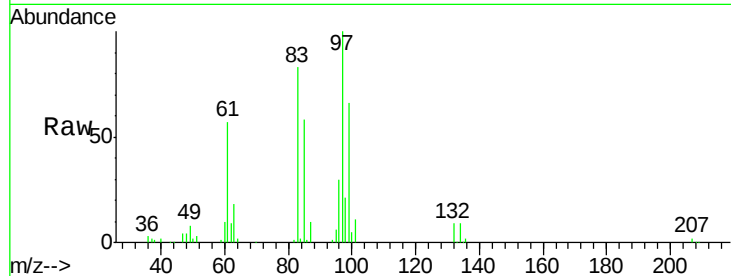
#55
 1,1,2-Trichloroethane
 Concen: 45.931 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.6	100.0
85	58.0	46.4	69.6
99	65.5	52.4	78.6

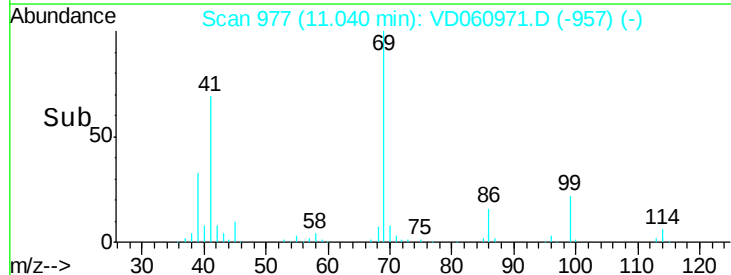
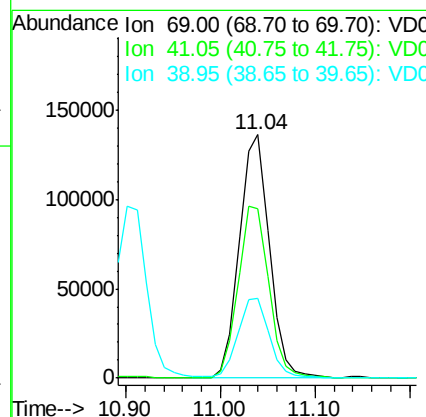
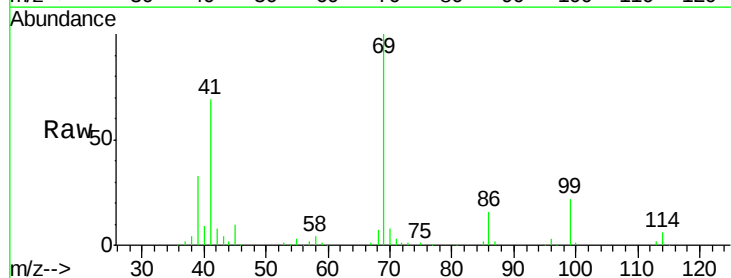
Manual Integrations
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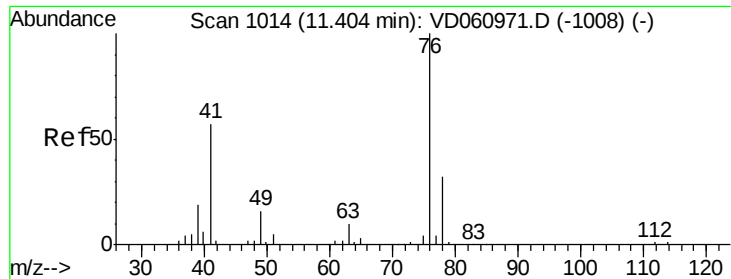
MMDadoda
 3/8/2019 9:46:25 PM



#56
 Ethyl methacrylate
 Concen: 46.779 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.5	83.3
39	32.7	26.2	39.2





#57

1,3-Dichloropropane

Concen: 46.773 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 414152

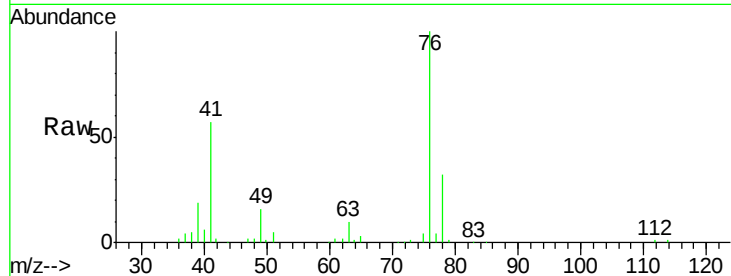
Ion Ratio Lower Upper

76 100

78 31.7 25.4 38.0

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:46:25 PM



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.40

200000

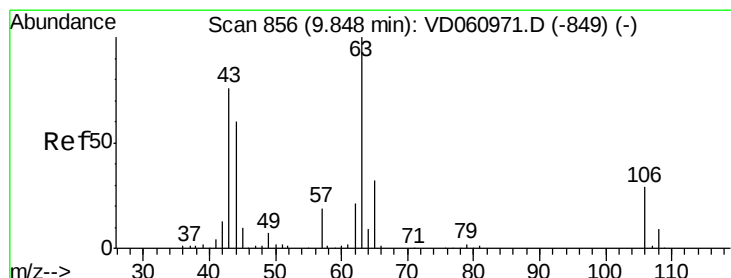
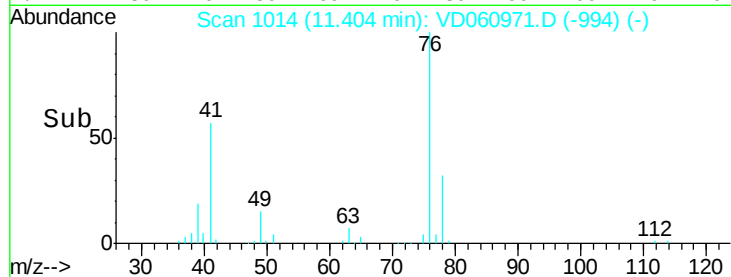
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 216.702 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.00 min

Lab File: VD060971.D

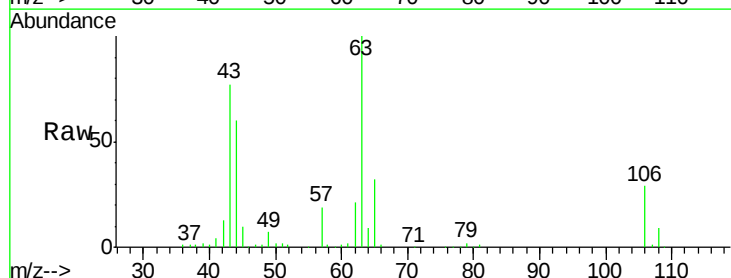
Acq: 7 Mar 2019 16:31

Tgt Ion: 63 Resp: 745973

Ion Ratio Lower Upper

63 100

106 28.5 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

9.85

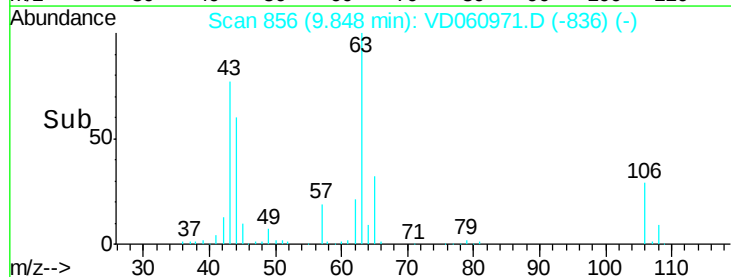
300000

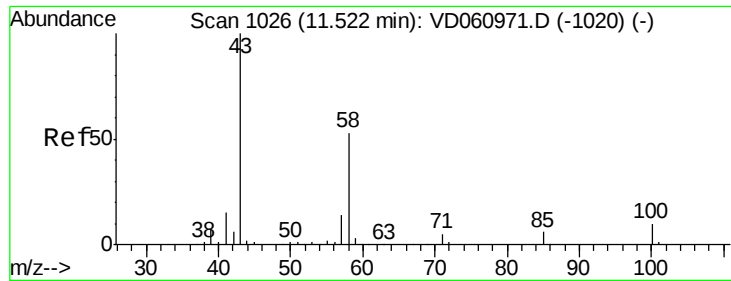
200000

100000

0

Time-->





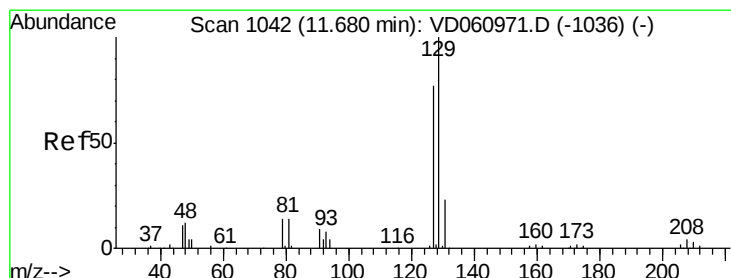
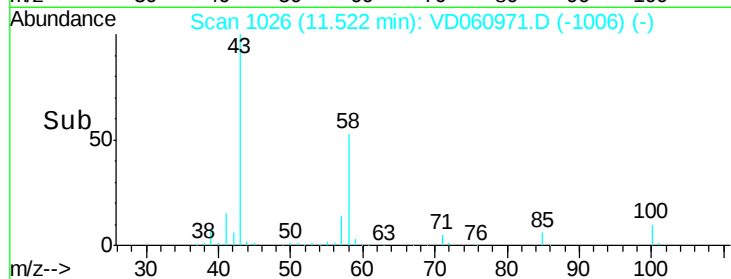
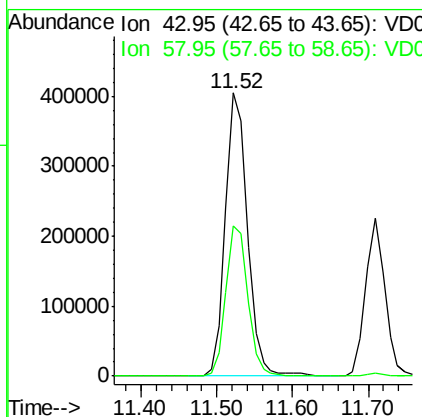
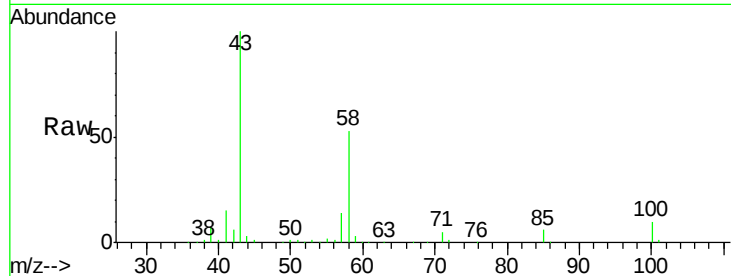
#59
2-Hexanone
Concen: 238.399 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 819187
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5

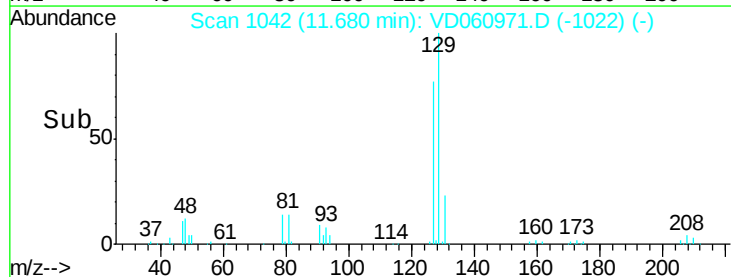
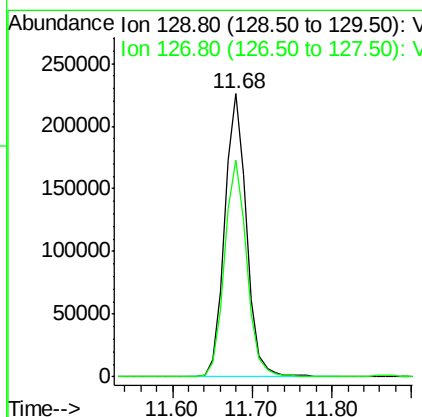
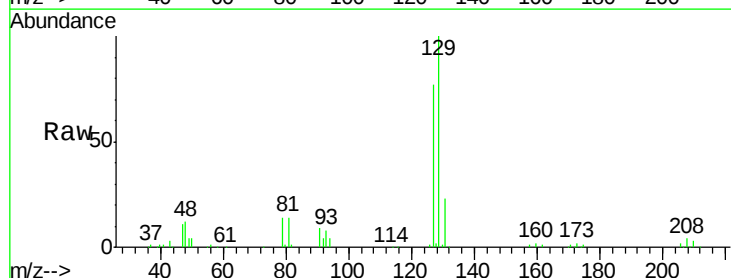
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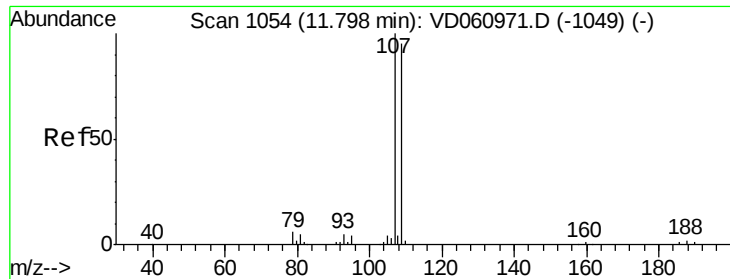
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#60
Dibromochloromethane
Concen: 49.386 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 129 Resp: 437019
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9





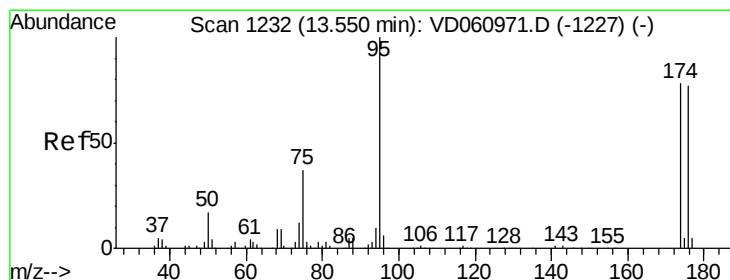
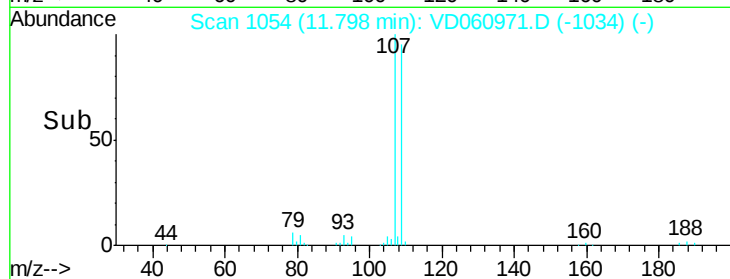
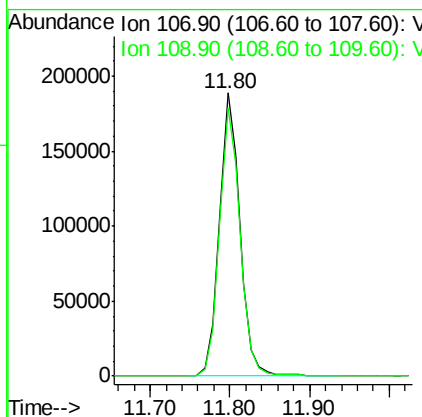
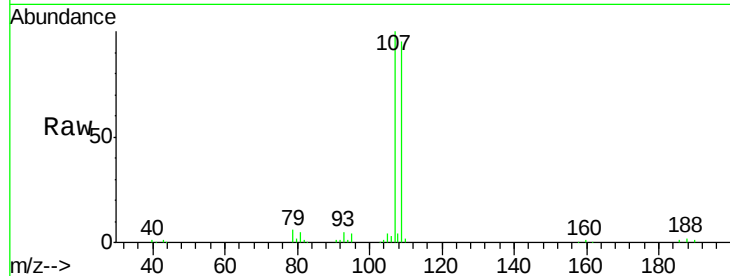
#61
 1,2-Dibromoethane
 Concen: 48.013 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 345557
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.6 113.4

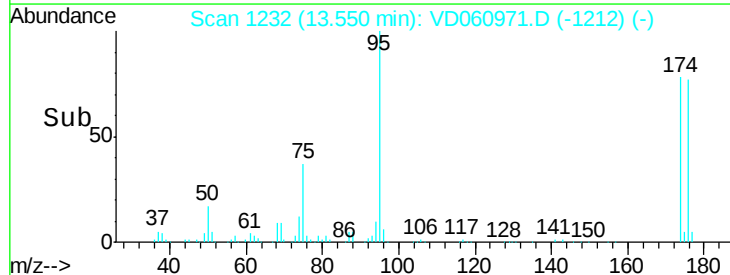
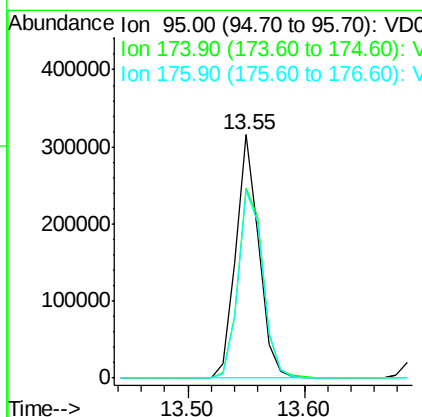
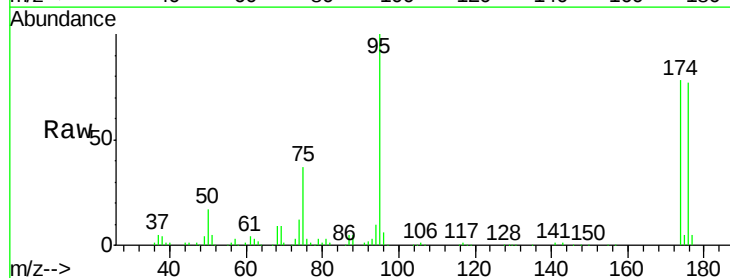
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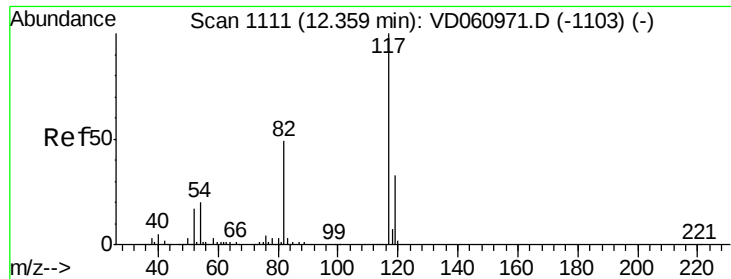
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#62
 4-Bromofluorobenzene
 Concen: 48.013 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion: 95 Resp: 430356
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 155.6
 176 76.9 0.0 153.8





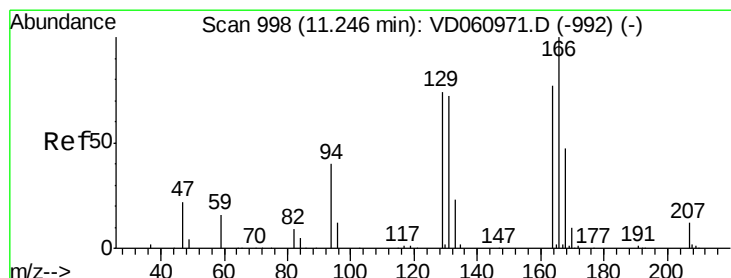
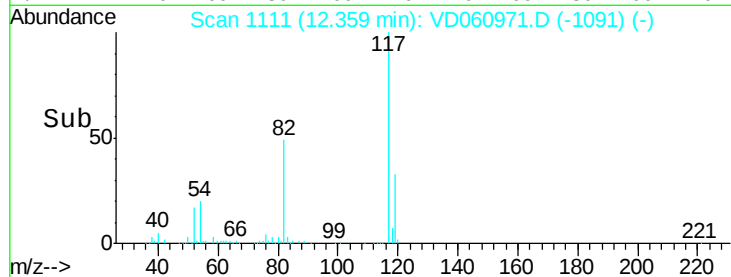
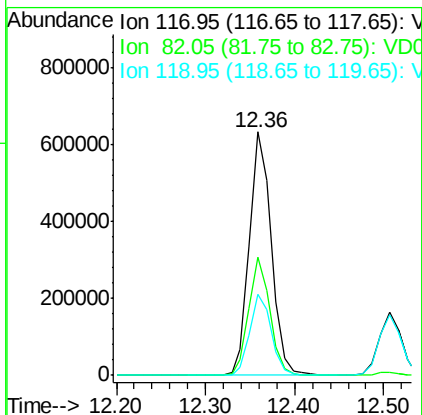
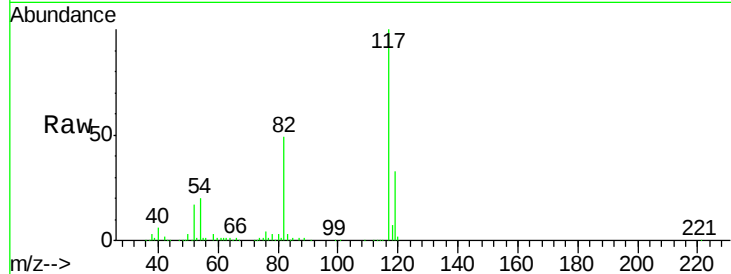
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.6	38.9	58.3
119	33.2	26.6	39.8

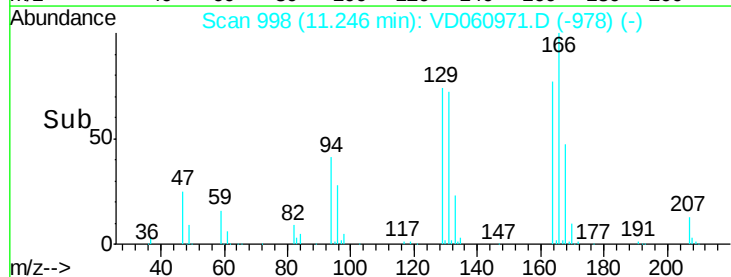
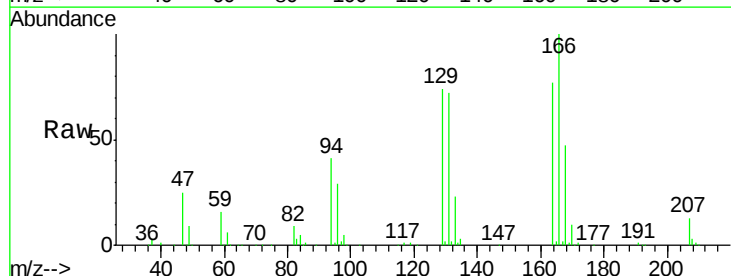
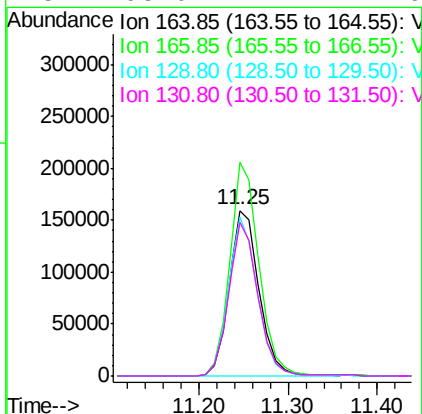
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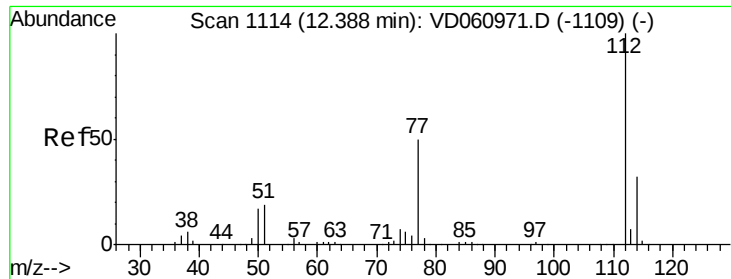
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#64
Tetrachloroethene
Concen: 46.301 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.4	155.0
129	96.1	76.9	115.3
131	93.0	74.4	111.6





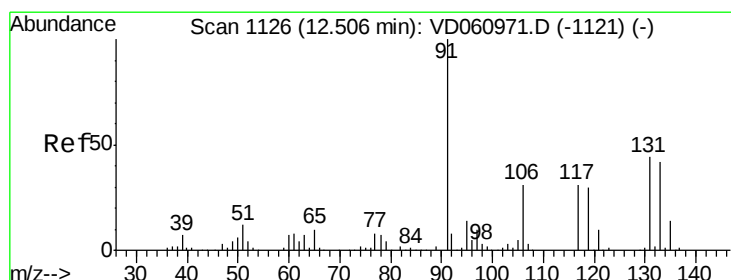
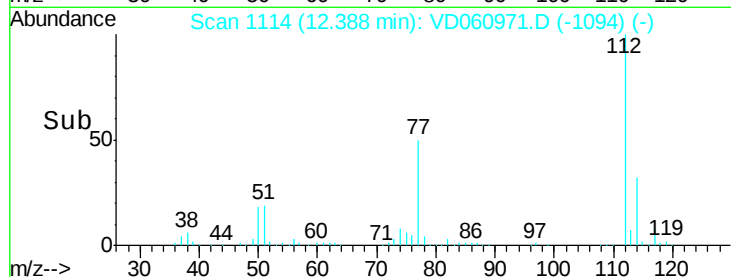
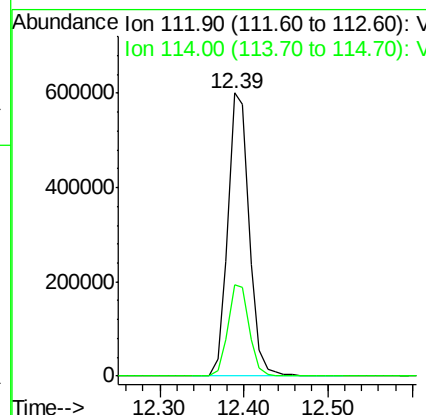
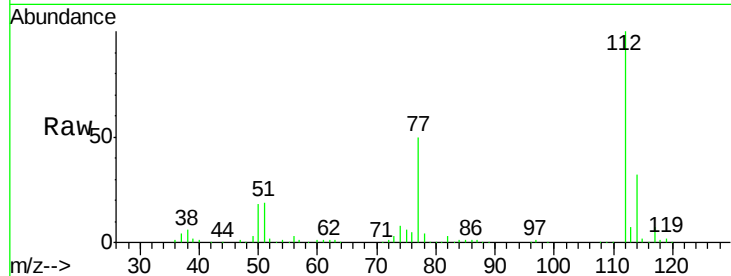
#65
Chlorobenzene
Concen: 45.201 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1057558
Ion Ratio Lower Upper
112 100
114 32.5 26.0 39.0

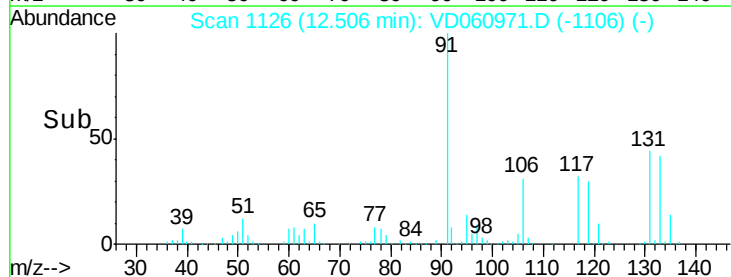
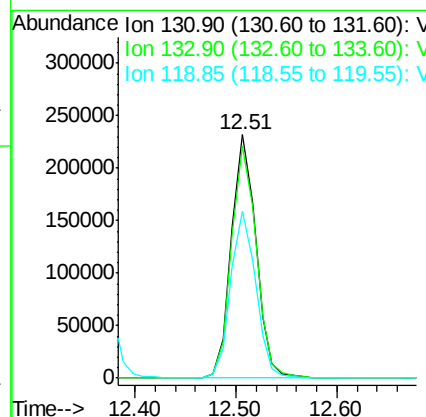
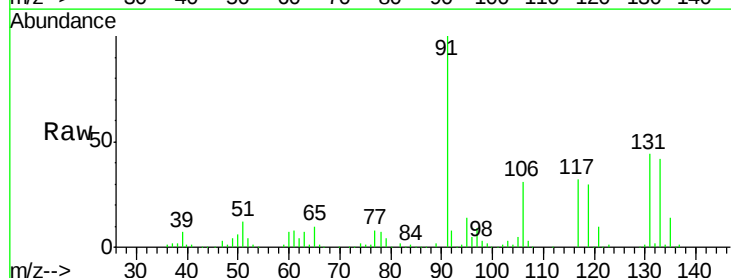
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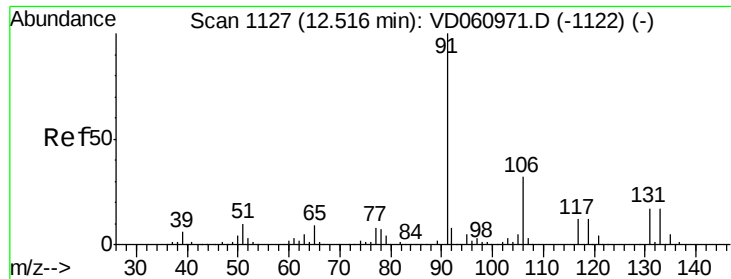
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.409 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion:131 Resp: 392787
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 68.6 34.3 102.9





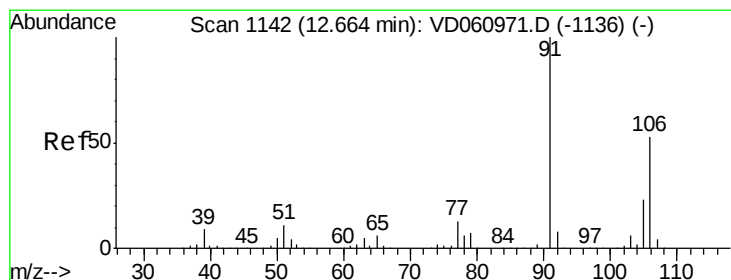
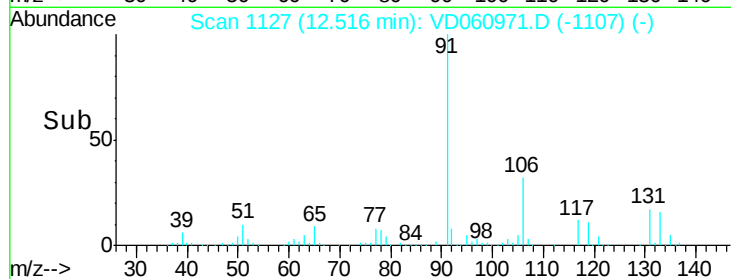
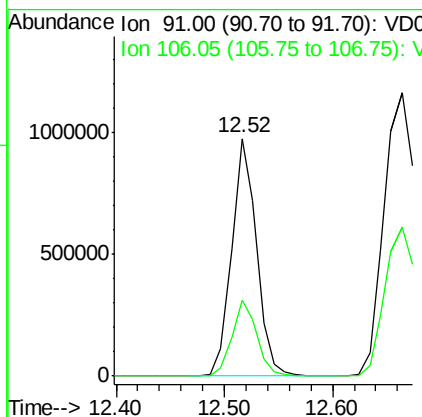
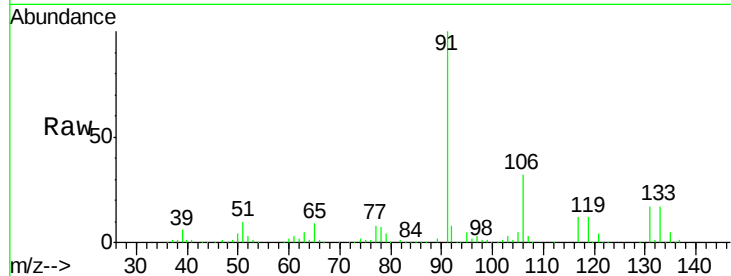
#67
Ethyl Benzene
Concen: 45.673 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1563431
Ion Ratio Lower Upper
91 100
106 32.1 25.7 38.5

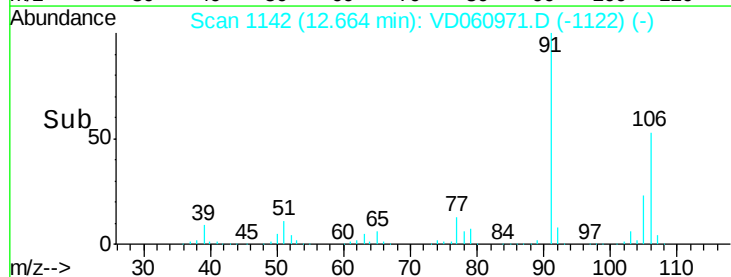
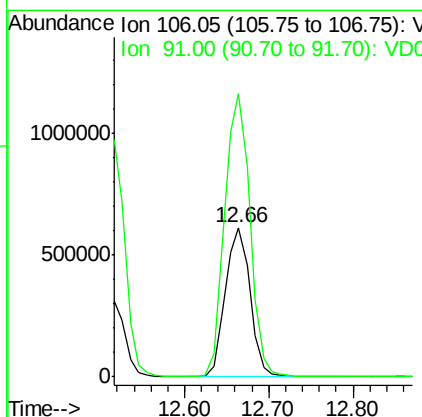
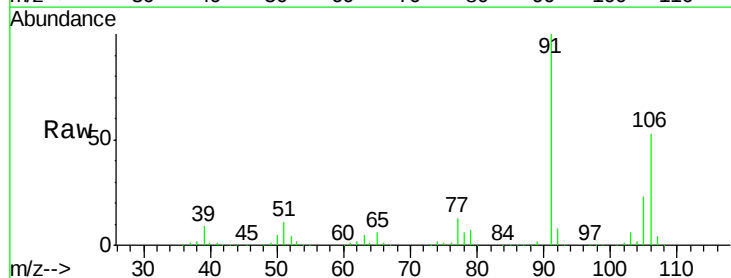
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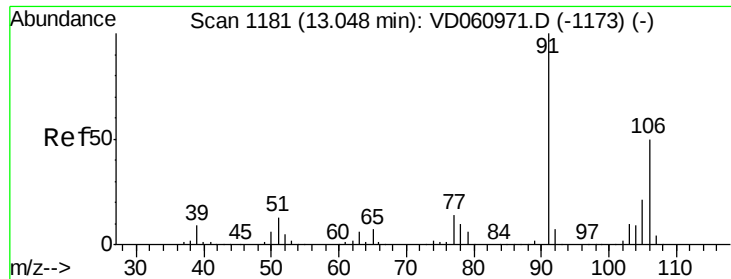
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#68
m/p-Xylenes
Concen: 91.108 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion:106 Resp: 1250682
Ion Ratio Lower Upper
106 100
91 190.0 152.0 228.0





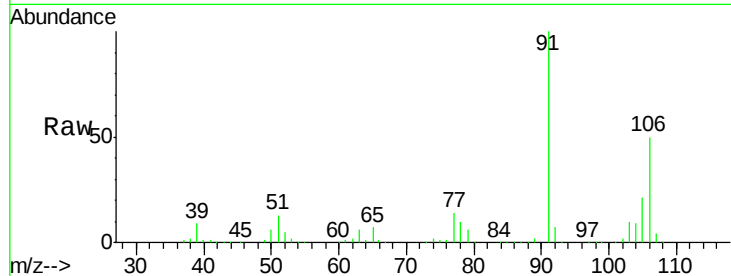
#69
o-Xylene
Concen: 46.035 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

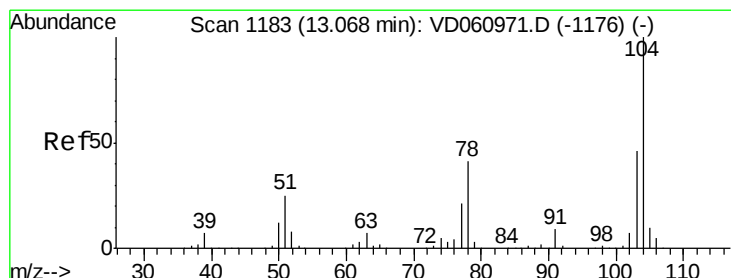
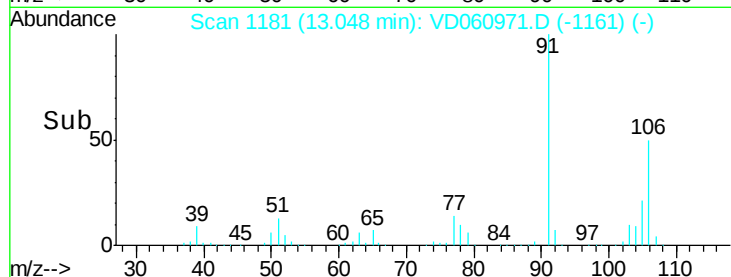
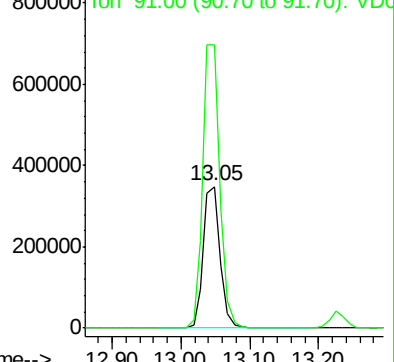
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		587684		
91	199.5	99.8	299.3		

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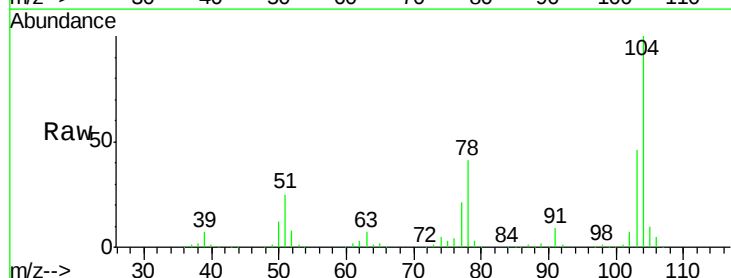


Abundance Ion 106.05 (105.75 to 106.75): V

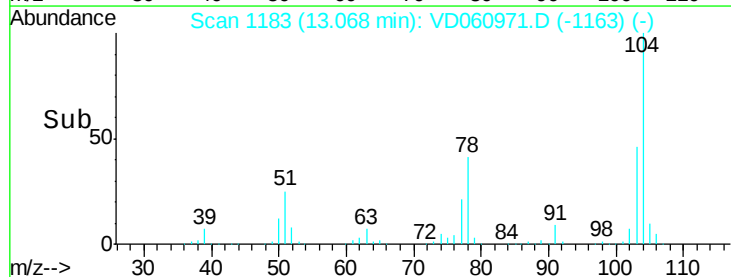
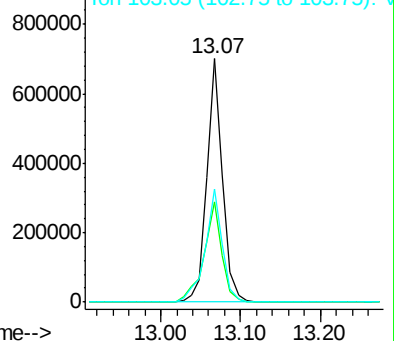


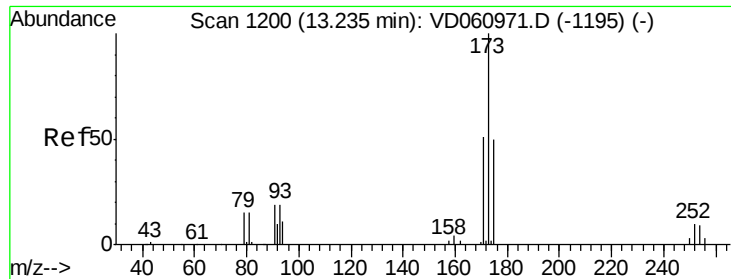
#70
Styrene
Concen: 45.240 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		963970		
78	41.2	33.0	49.4		
103	46.4	37.1	55.7		



Abundance Ion 104.05 (103.75 to 104.75): V





#71

Bromoform

Concen: 47.503 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 253024

Ion Ratio Lower Upper

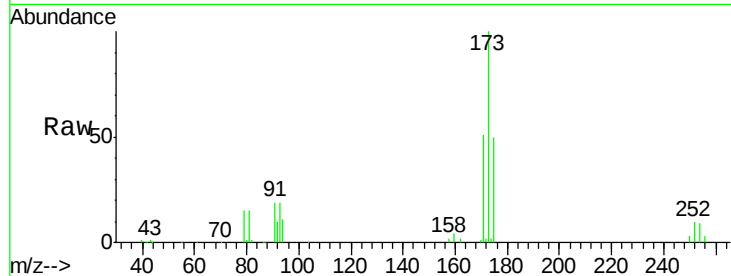
173 100

175 49.9 24.9 74.8

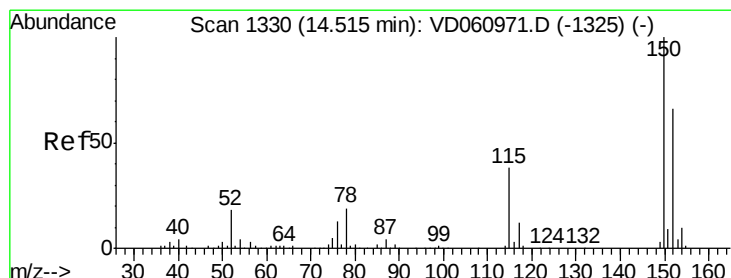
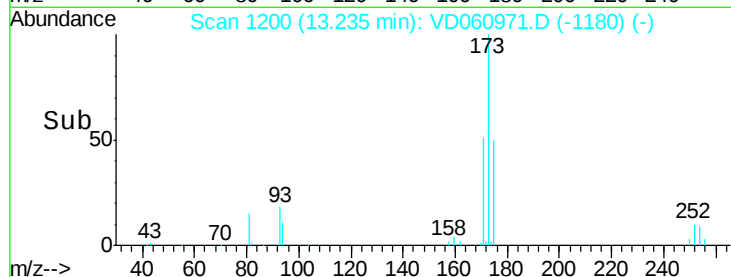
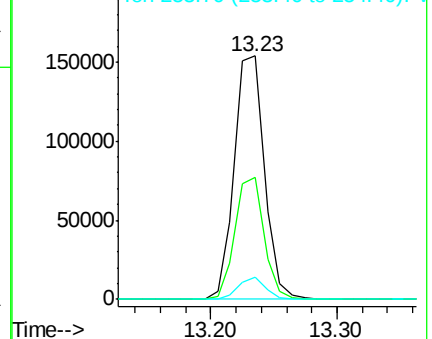
254 9.1 7.3 10.9

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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: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

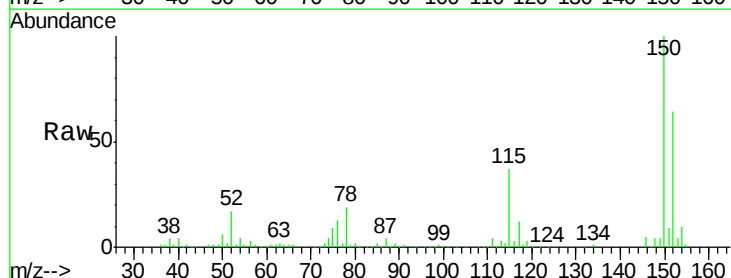
Tgt Ion:152 Resp: 443323

Ion Ratio Lower Upper

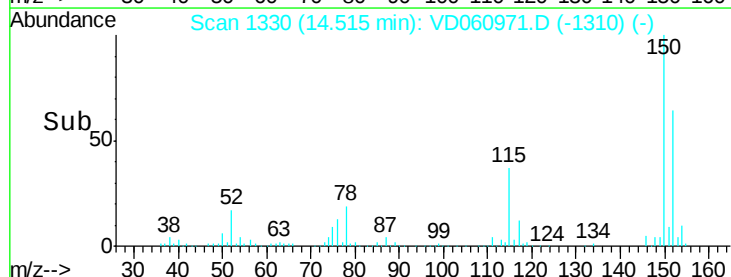
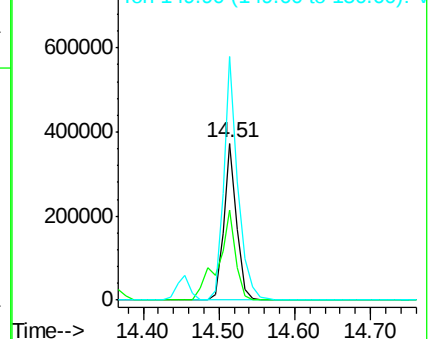
152 100

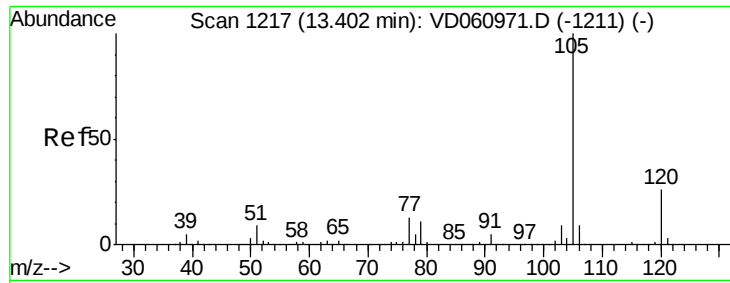
115 57.3 28.6 85.9

150 155.3 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.553 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1543453

Ion Ratio Lower Upper

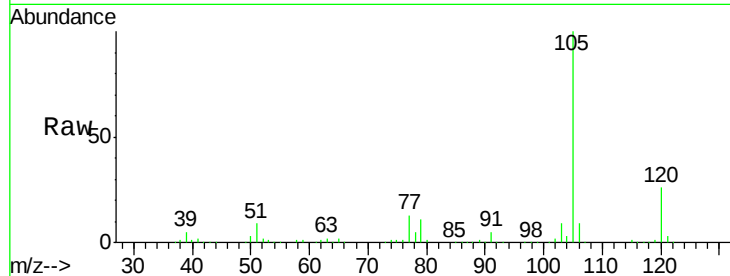
105 100

120 25.6 12.8 38.4

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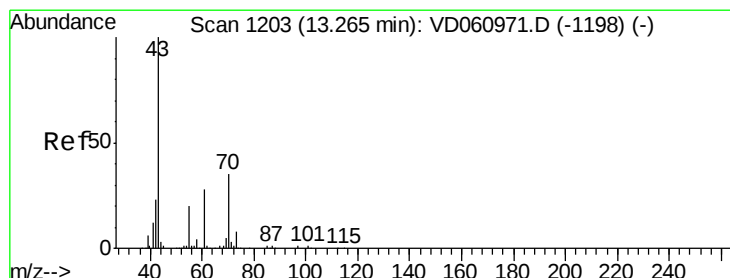
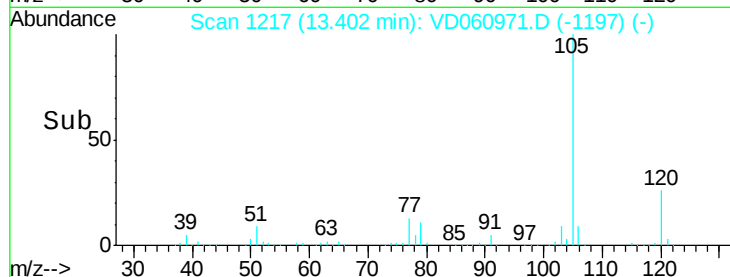
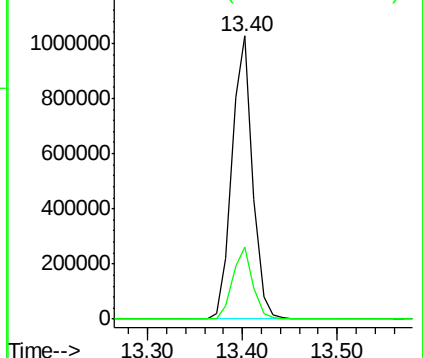
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 44.896 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Tgt Ion: 43 Resp: 459847

Ion Ratio Lower Upper

43 100

70 34.6 27.7 41.5

55 20.2 16.2 24.2

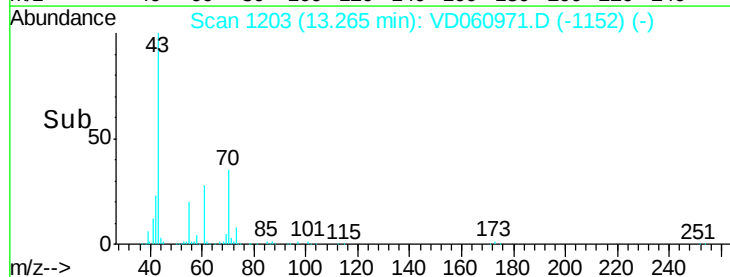
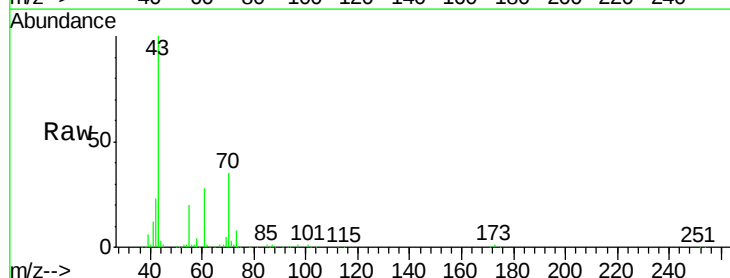
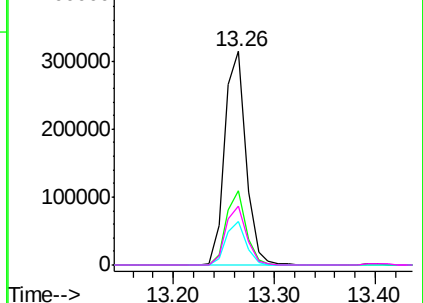
61 27.9 22.3 33.5

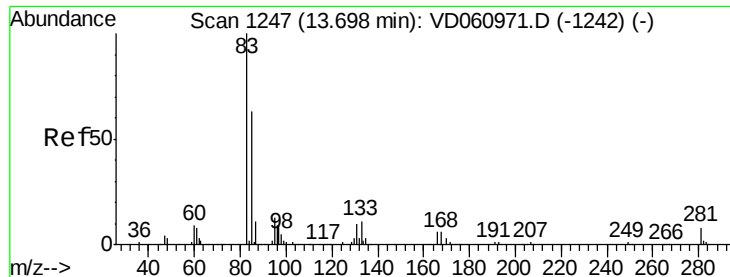
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 44.542 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

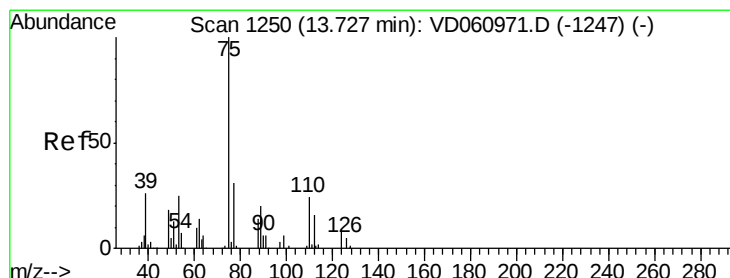
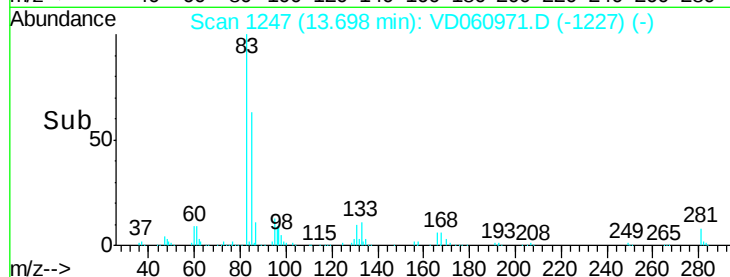
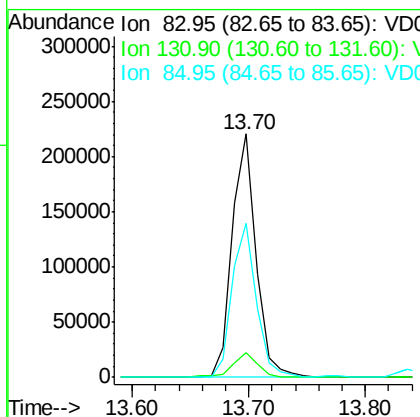
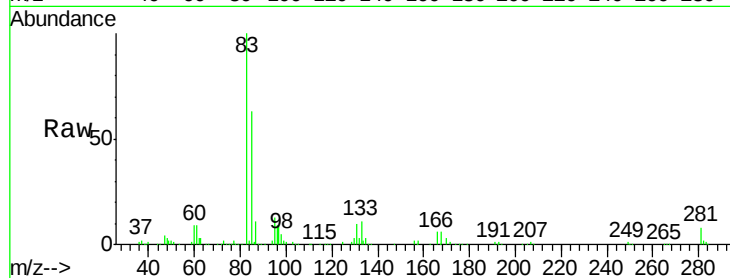
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	313184
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	63.0	31.5	94.5

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#76

1,2,3-Trichloropropane

Concen: 45.835 ug/l

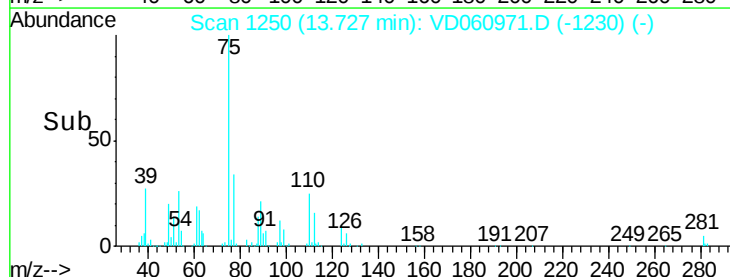
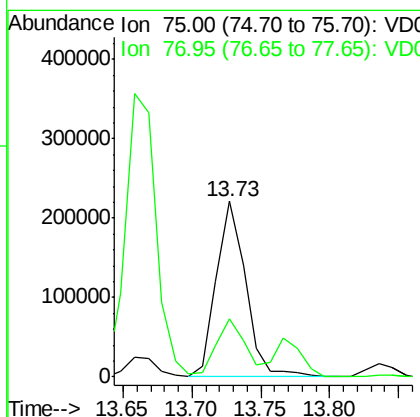
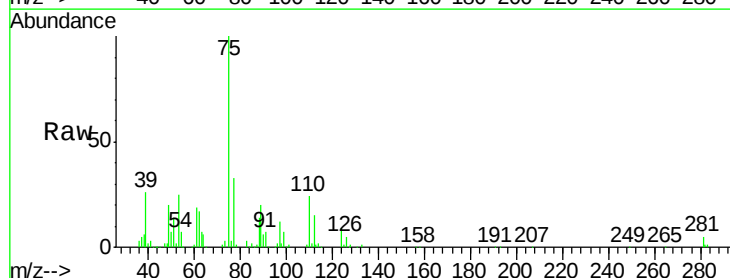
RT: 13.73 min Scan# 1250

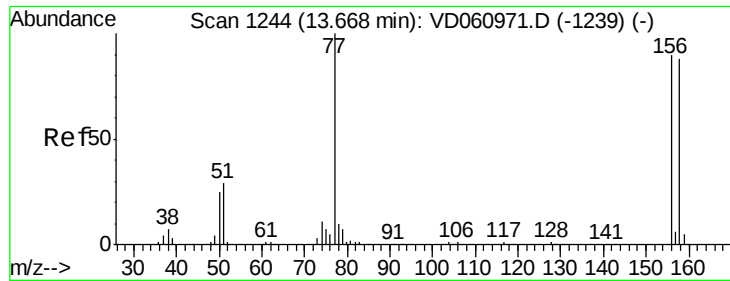
Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Tgt Ion:	75	Resp:	327544
Ion Ratio	Lower	Upper	
75	100		
77	33.1	16.6	49.7





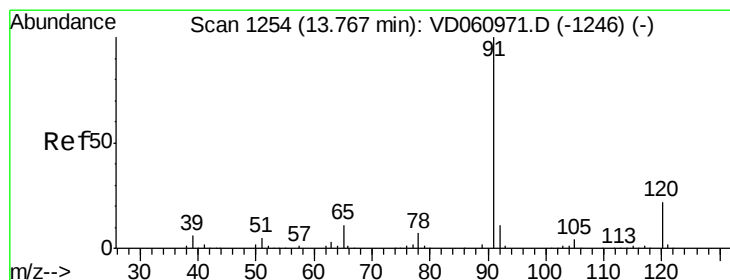
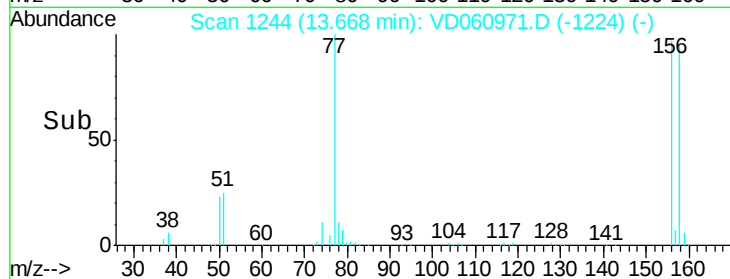
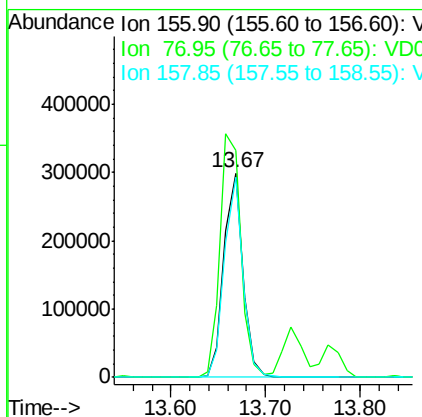
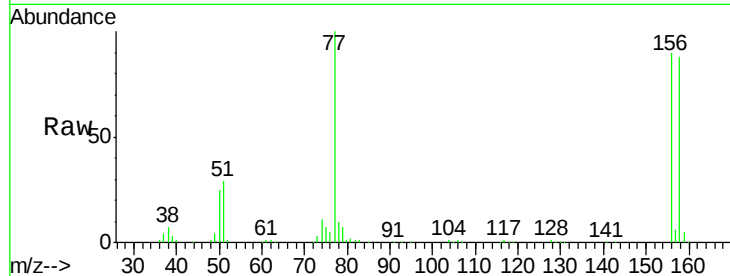
#77
Bromobenzene
Concen: 47.033 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	111.1	55.5	166.7	
158	98.0	49.0	147.0	

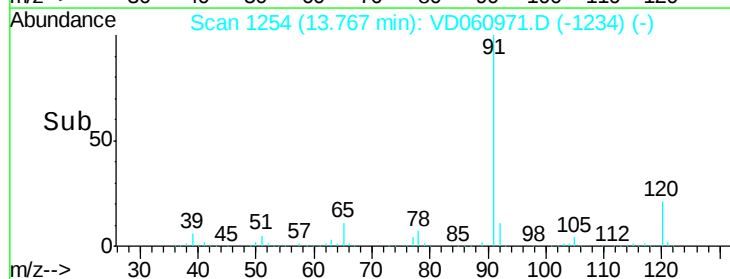
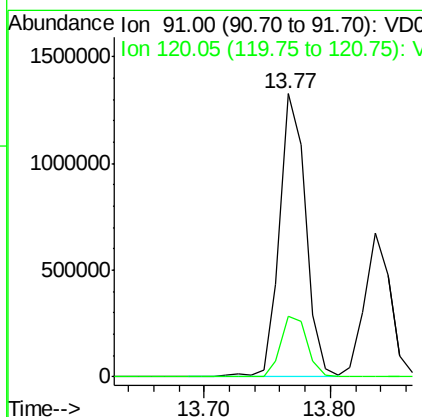
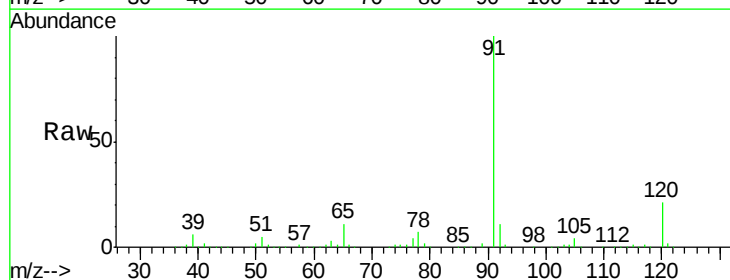
Manual Integrations
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#78
n-propylbenzene
Concen: 48.590 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	10.8	32.3	





#79

2-Chlorotoluene

Concen: 43.080 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 953690

Ion Ratio Lower Upper

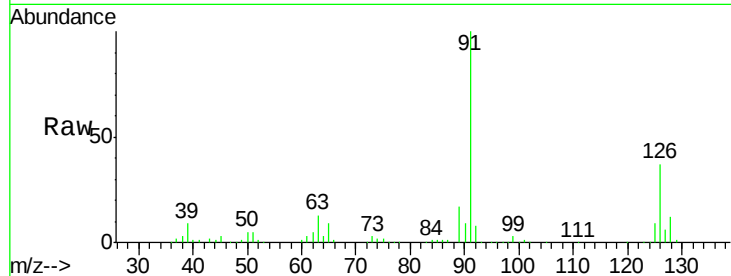
91 100

126 37.1 18.6 55.6

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)

1500000

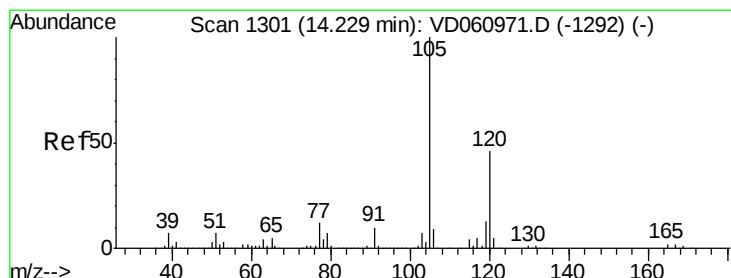
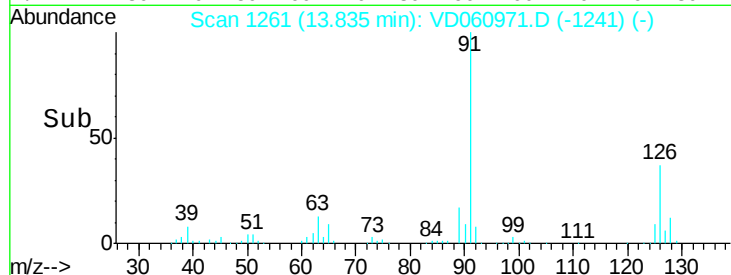
1000000

500000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.537 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD060971.D

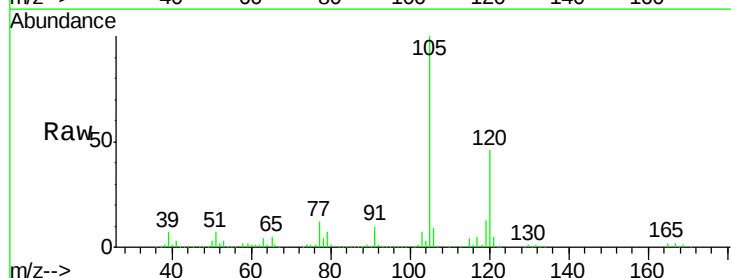
Acq: 7 Mar 2019 16:31

Tgt Ion: 105 Resp: 1296863

Ion Ratio Lower Upper

105 100

120 45.7 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)

1200000

1000000

800000

600000

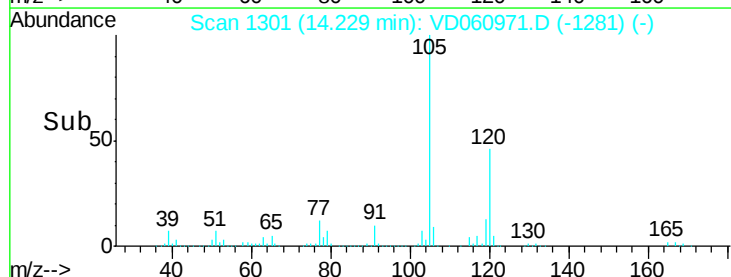
400000

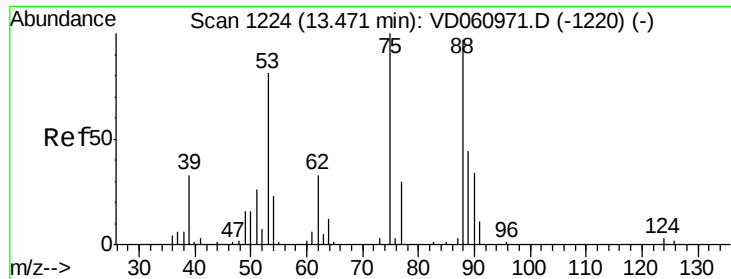
200000

0

14.10 14.20 14.30

Time-->





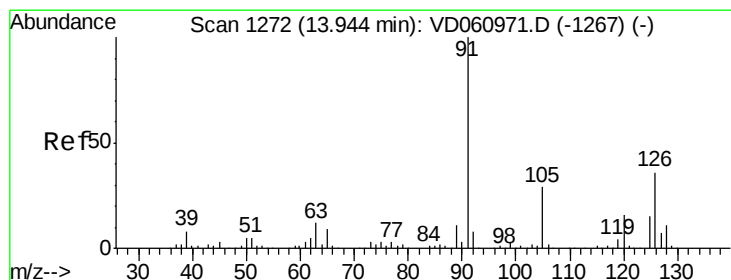
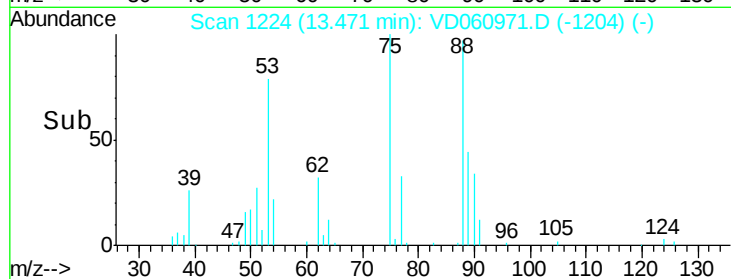
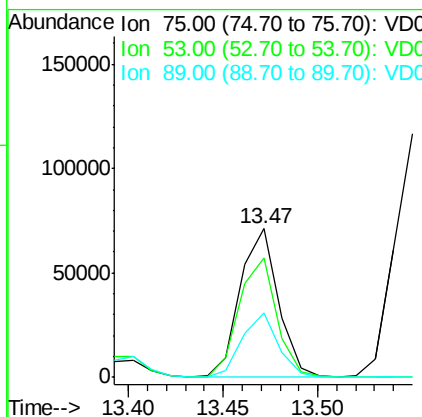
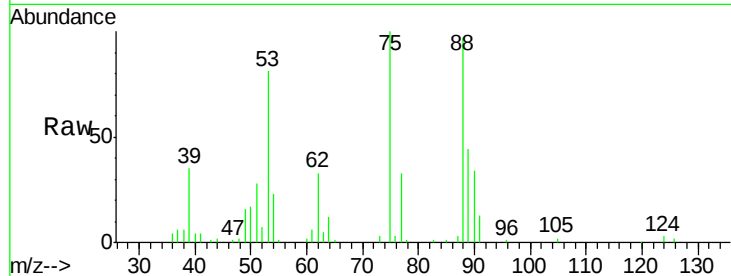
#81
trans-1,4-Dichloro-2-butene
Concen: 47.491 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.5	64.4	96.6
89	43.5	34.8	52.2

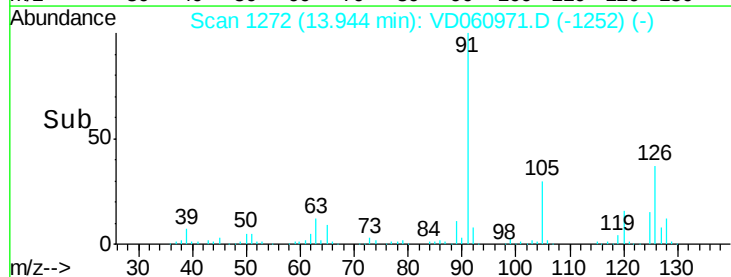
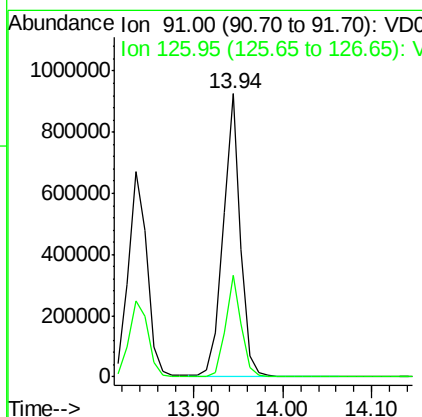
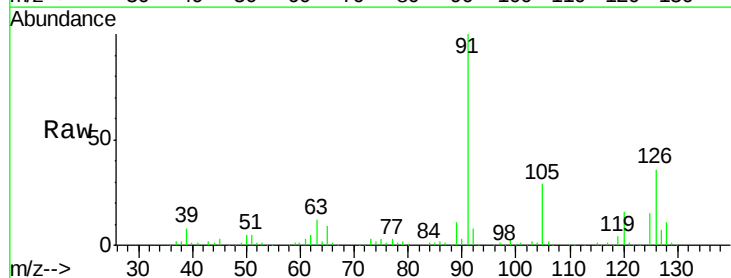
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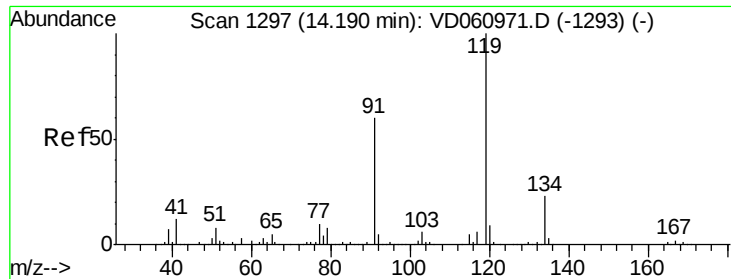
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#82
4-Chlorotoluene
Concen: 50.639 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.0	54.0





#83

tert-Butylbenzene

Concen: 50.828 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VD060971.D

Acq: 7 Mar 2019 16:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:119 Resp: 1481310

Ion Ratio Lower Upper

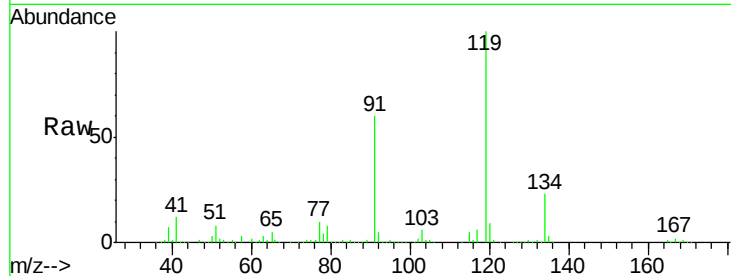
119 100

91 60.2 30.1 90.3

134 23.1 11.6 34.7

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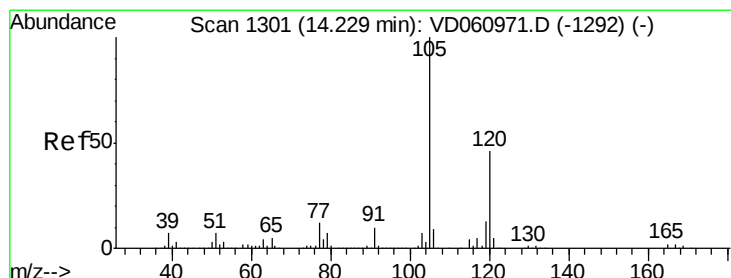
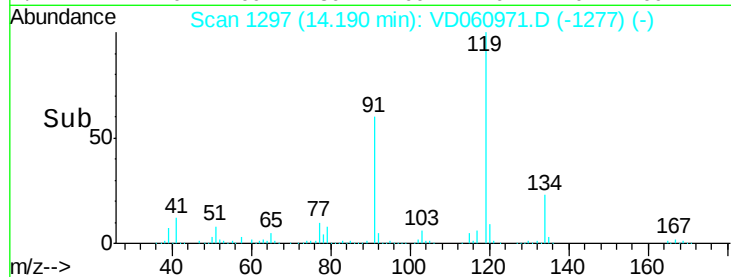
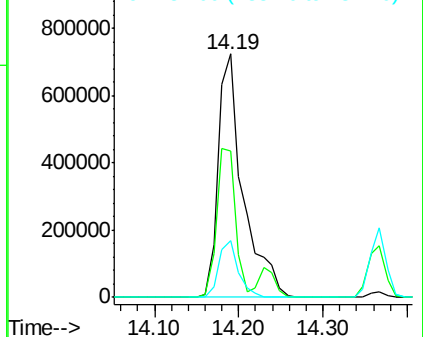
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): VD

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.537 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD060971.D

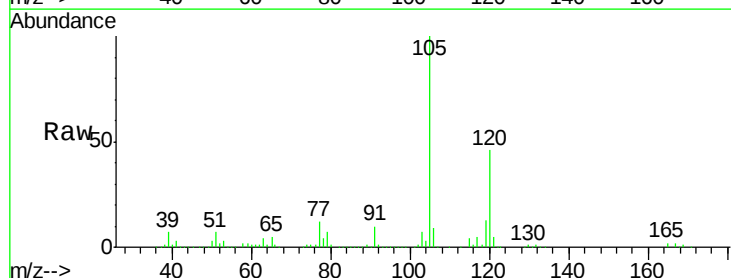
Acq: 7 Mar 2019 16:31

Tgt Ion:105 Resp: 1296863

Ion Ratio Lower Upper

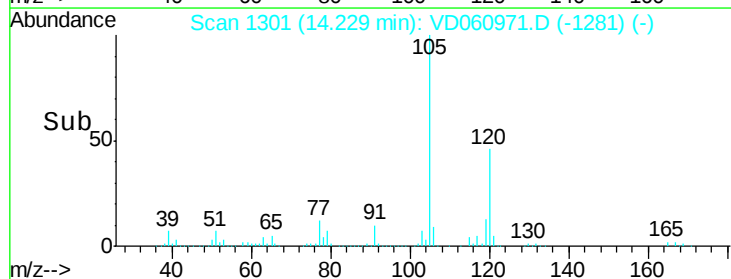
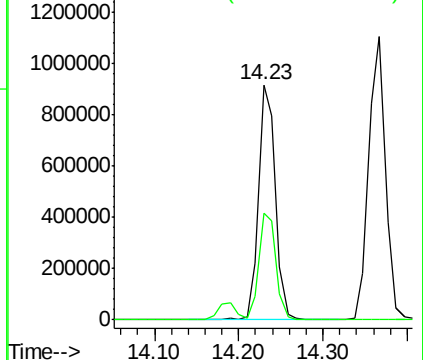
105 100

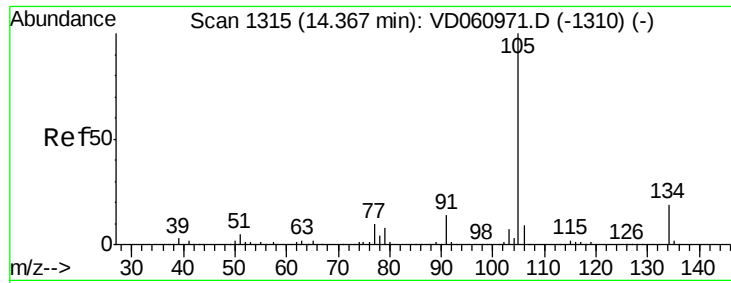
120 45.7 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





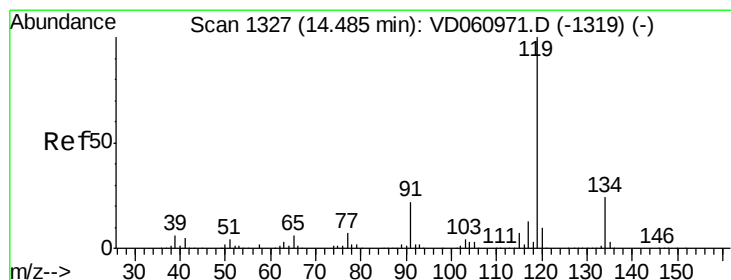
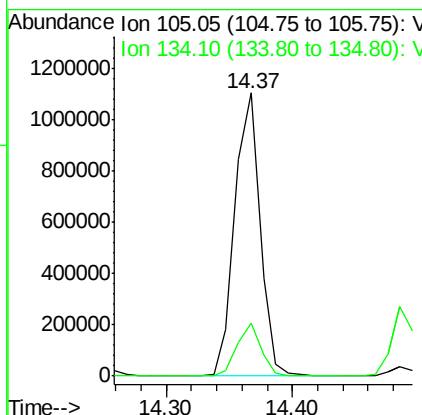
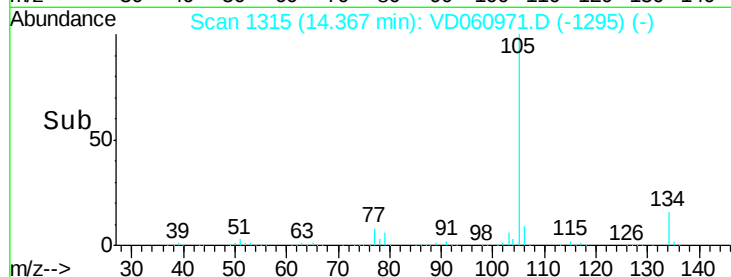
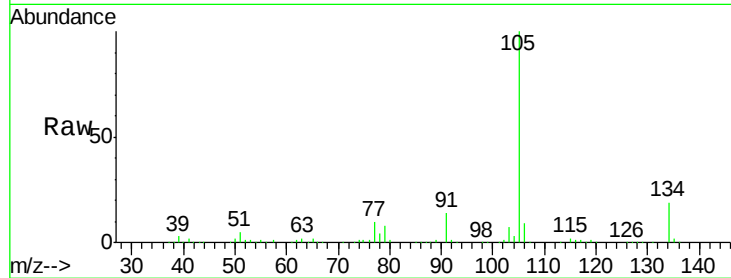
#85
 sec-Butylbenzene
 Concen: 44.719 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1520836
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.4 28.2

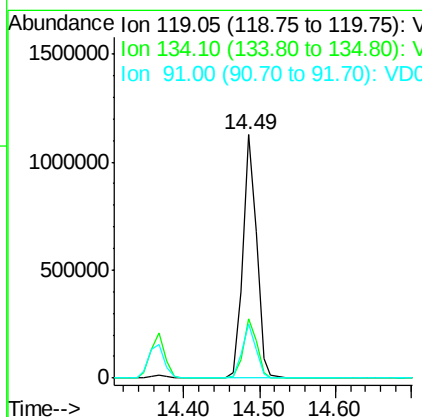
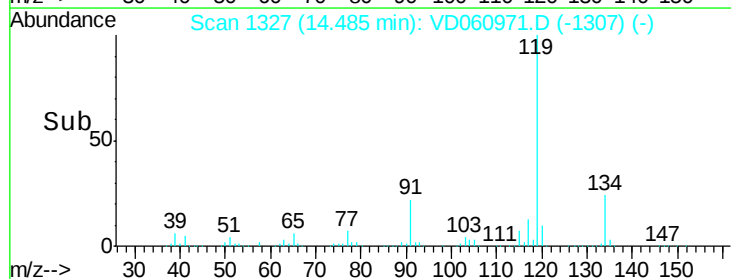
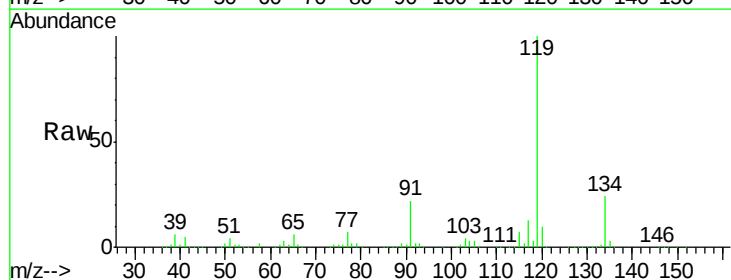
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#86
 p-Isopropyltoluene
 Concen: 49.550 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion:119 Resp: 1388298
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.0 36.1
 91 22.4 11.2 33.6





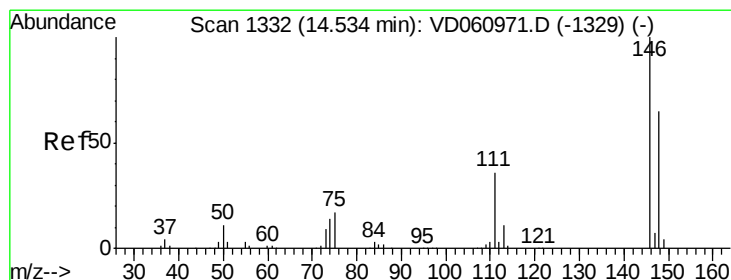
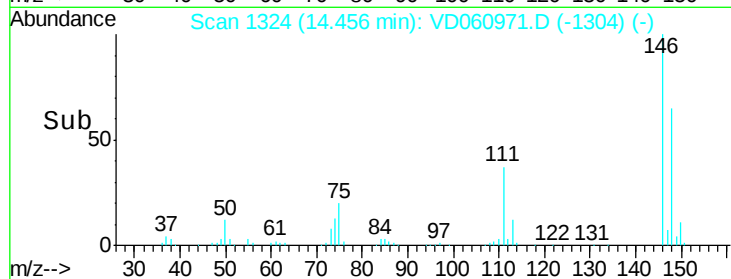
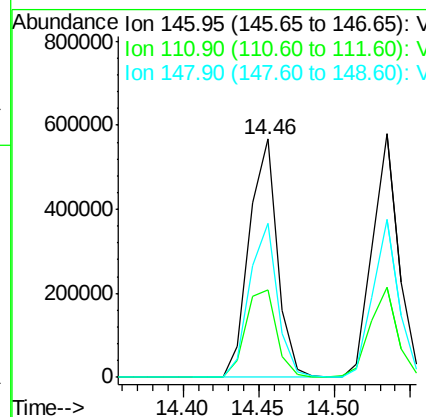
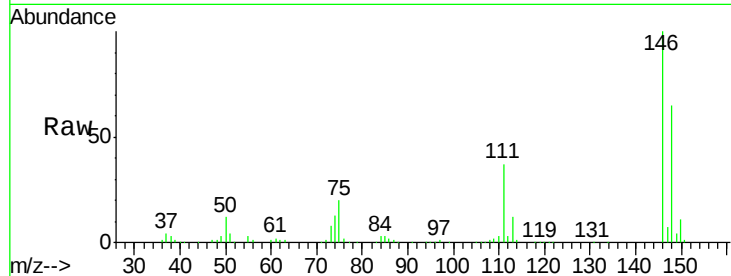
#87
 1,3-Dichlorobenzene
 Concen: 48.759 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.4
148	64.9	32.5	97.4

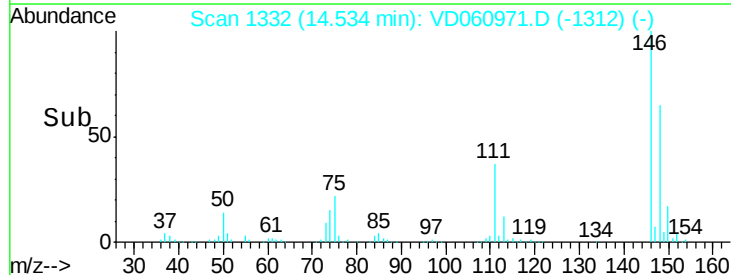
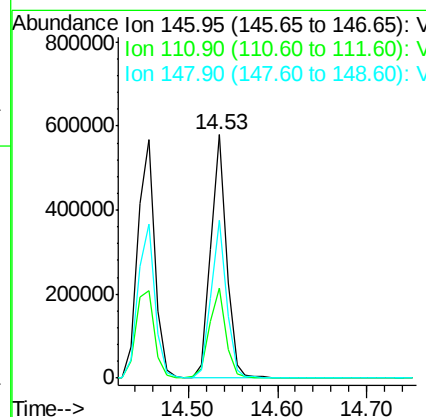
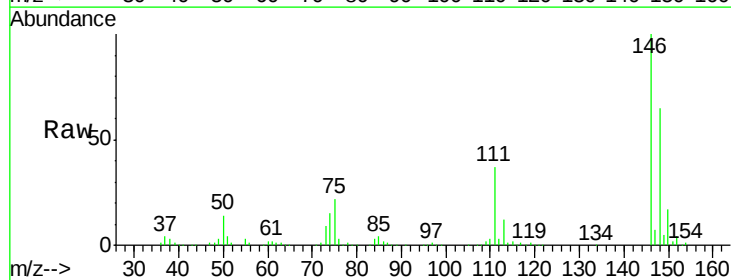
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 47.033 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.2
148	65.0	32.5	97.5





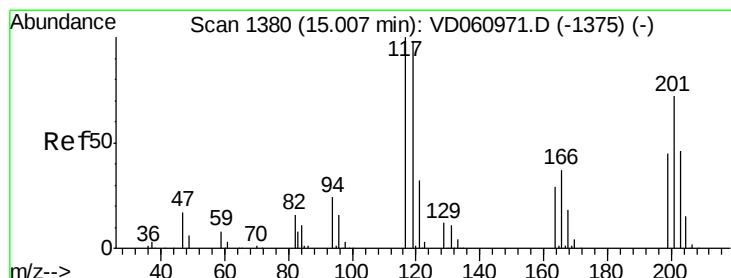
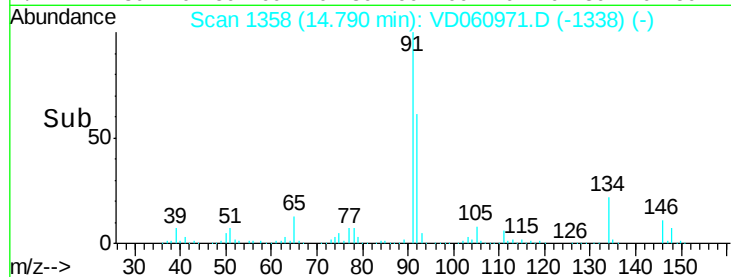
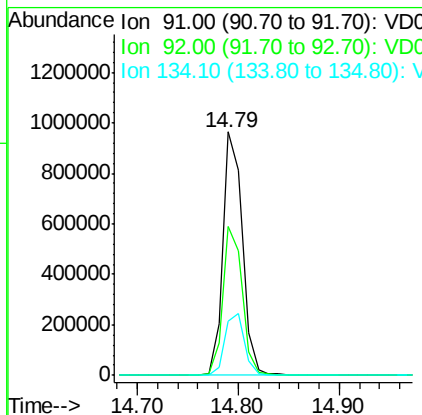
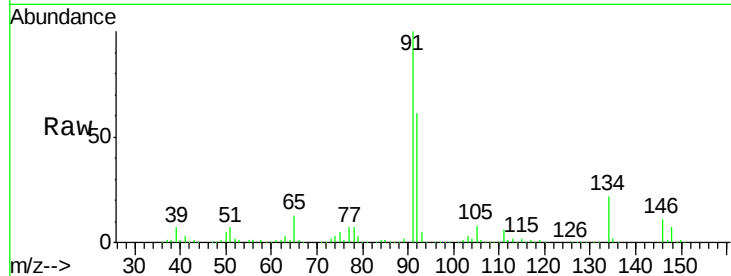
#89
n-Butylbenzene
Concen: 49.368 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1294552
Ion Ratio Lower Upper
91 100
92 61.2 30.6 91.8
134 22.0 11.0 33.0

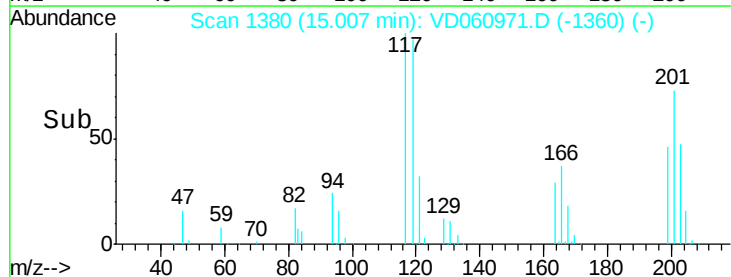
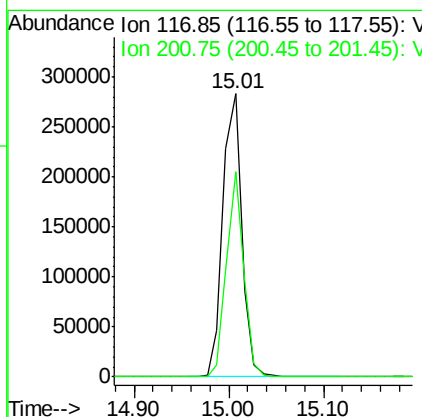
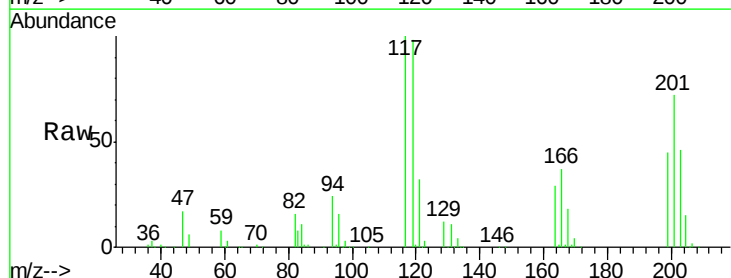
Manual Integrations
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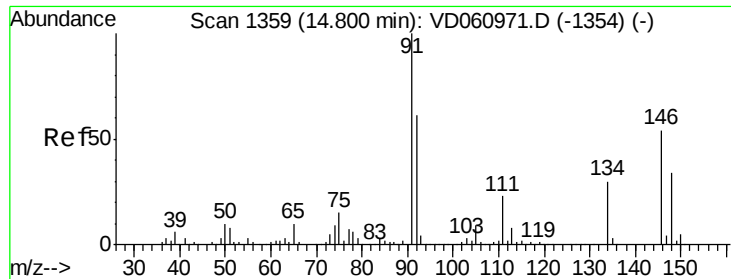
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#90
Hexachloroethane
Concen: 48.624 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion: 117 Resp: 392790
Ion Ratio Lower Upper
117 100
201 72.4 36.2 108.6





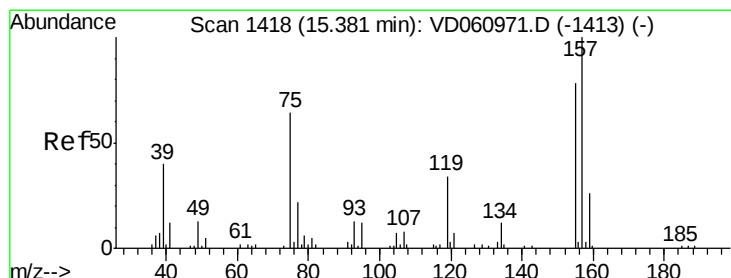
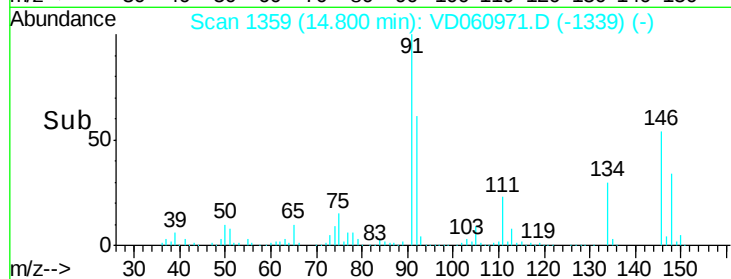
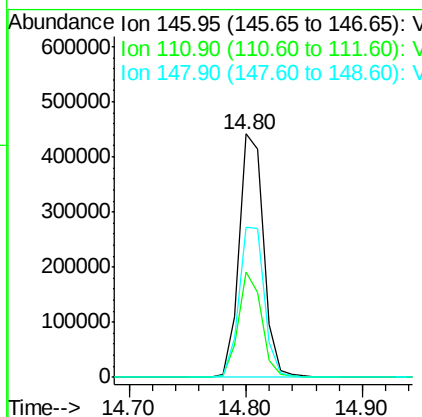
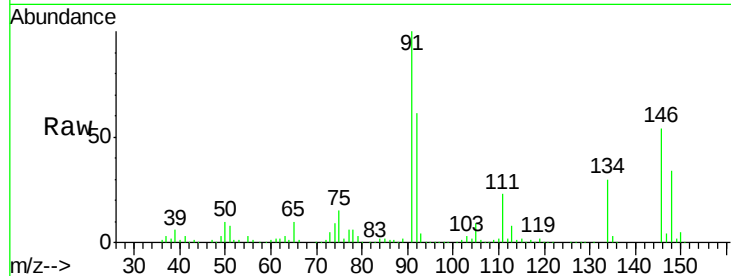
#91
 1,2-Dichlorobenzene
 Concen: 48.628 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.5	64.5
148	61.9	30.9	92.8

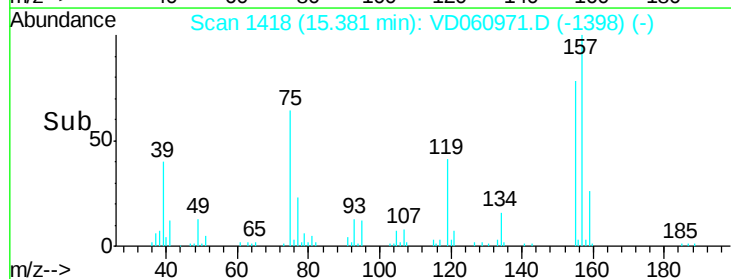
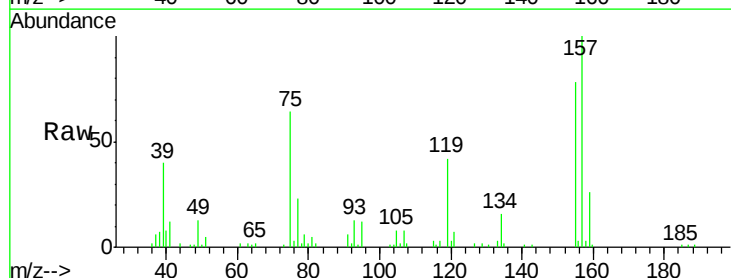
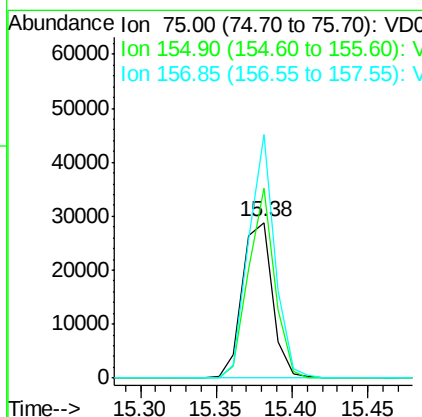
Manual Integrations
 APPROVED

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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.399 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	122.3	61.2	183.5
157	156.5	78.3	234.8





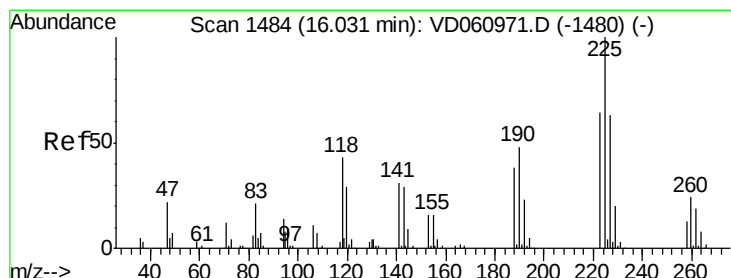
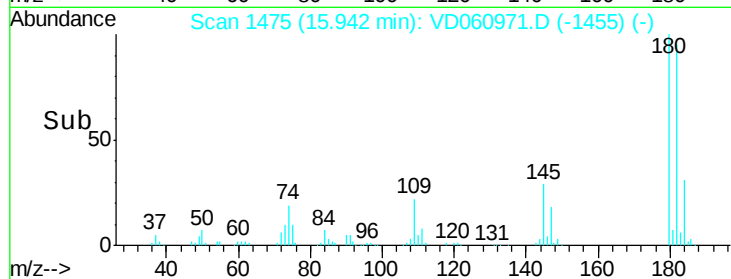
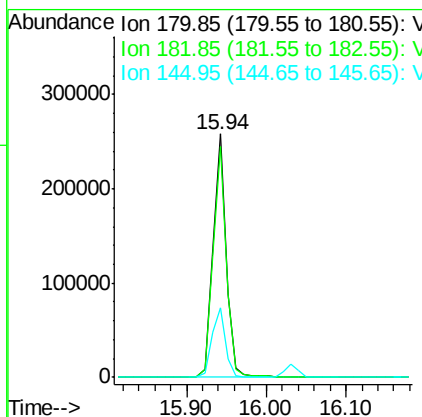
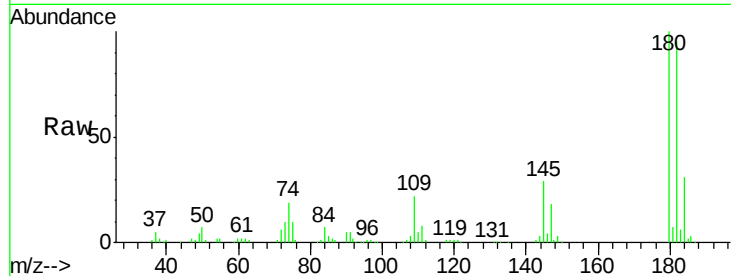
#93
 1,2,4-Trichlorobenzene
 Concen: 40.738 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	28.7	14.4	43.0

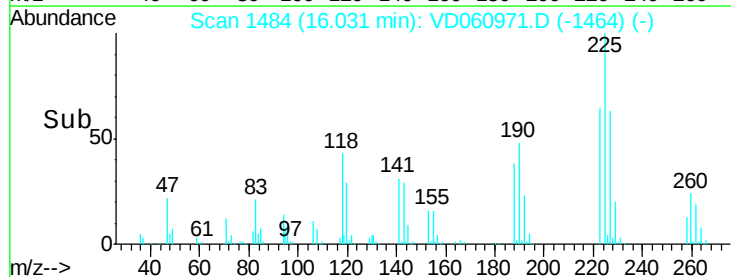
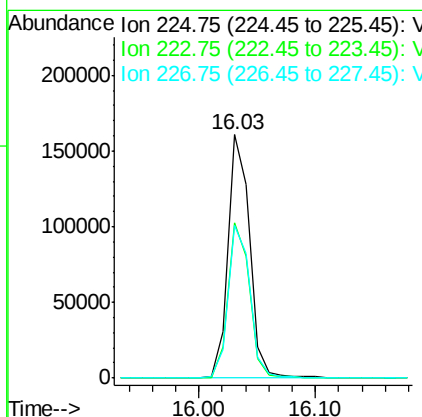
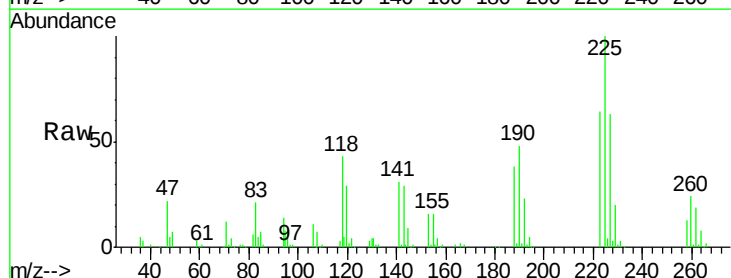
Manual Integrations
 APPROVED

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#94
 Hexachlorobutadiene
 Concen: 43.552 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD060971.D
 Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.8	95.3
227	62.7	31.4	94.0





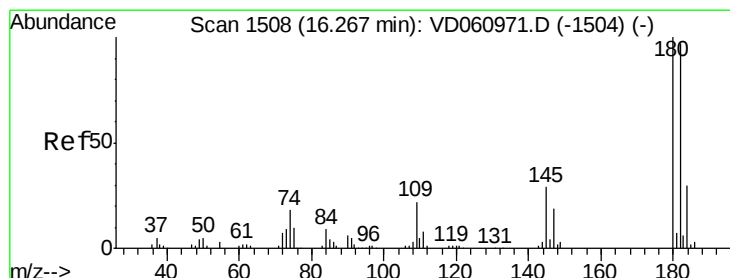
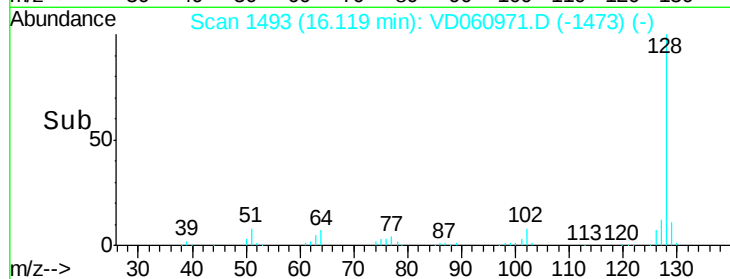
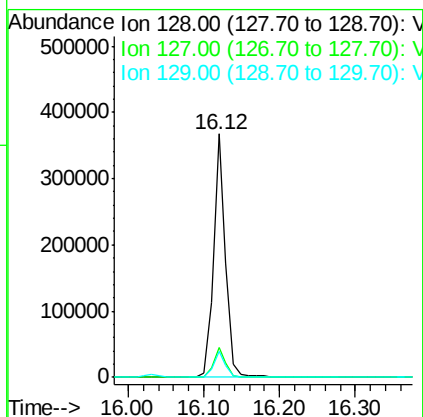
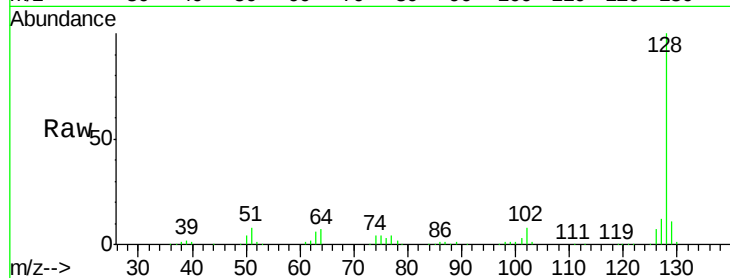
#95
Naphthalene
Concen: 35.774 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	9.8	14.8
129	10.6	8.5	12.7

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 31.099 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD060971.D
Acq: 7 Mar 2019 16:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.6	145.8
145	28.6	14.3	42.9

