

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030719\
 Data File : VD060968.D
 Acq On : 7 Mar 2019 14:39
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:46:23 PM

Quant Time: Mar 08 02:09:48 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	7.05	168	721695	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.21	114	1260698	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1078976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	459562	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	33468	5.61	ug/l	0.01
Spiked Amount			Recovery	=	11.22%	
35) Dibromofluoromethane	6.92	113	47166	4.69	ug/l	0.00
Spiked Amount			Recovery	=	9.38%	
50) Toluene-d8	10.41	98	123680	4.89	ug/l	0.01
Spiked Amount			Recovery	=	9.78%	
62) 4-Bromofluorobenzene	13.55	95	46350	4.92	ug/l	0.00
Spiked Amount			Recovery	=	9.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	34759	4.394	ug/l	97
3) Chloromethane	1.77	50	31247	4.775	ug/l	96
4) Vinyl Chloride	1.86	62	26015	4.374	ug/l	94
5) Bromomethane	2.17	94	7443	7.183	ug/l #	86
6) Chloroethane	2.29	64	7787	5.256	ug/l #	84
7) Trichlorofluoromethane	2.54	101	41407	5.635	ug/l	99
8) Diethyl Ether	2.88	74	10737	3.452	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.16	101	43352	4.555	ug/l	97
10) Methyl Iodide	3.32	142	26630	2.364	ug/l #	96
11) Tert butyl alcohol	4.07	59	9297	21.232	ug/l #	75
12) 1,1-Dichloroethene	3.14	96	33206	4.114	ug/l	91
13) Acrolein	3.05	56	13796	23.001	ug/l	99
14) Allyl chloride	3.64	41	58736	4.399	ug/l	95
15) Acrylonitrile	4.20	53	32634	19.760	ug/l	92
16) Acetone	3.23	43	42367	21.747	ug/l	95
17) Carbon Disulfide	3.39	76	119744	4.177	ug/l	99
18) Methyl Acetate	3.65	43	18702	4.673	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	61684	4.297	ug/l	95
20) Methylene Chloride	3.83	84	62953	5.792	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	38154	4.301	ug/l	97
22) Diisopropyl ether	5.12	45	120253	4.276	ug/l	99
23) Vinyl Acetate	5.06	43	295089	20.025	ug/l	99
24) 1,1-Dichloroethane	5.00	63	63508	4.200	ug/l	96
25) 2-Butanone	6.07	43	50694	21.161	ug/l	94
26) 2,2-Dichloropropane	6.03	77	57665	5.132	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	42372	4.241	ug/l	95
28) Bromochloromethane	6.44	49	31226	4.970	ug/l	88
29) Tetrahydrofuran	6.45	42	26953	21.510	ug/l	91
30) Chloroform	6.67	83	72620	4.963	ug/l	95
31) Cyclohexane	6.96	56	52211	4.069	ug/l	97
32) 1,1,1-Trichloroethane	6.88	97	61703	4.903	ug/l	95
36) 1,1-Dichloropropene	7.15	75	53662	4.642	ug/l	97
37) Ethyl Acetate	6.19	43	26394	4.469	ug/l	94
38) Carbon Tetrachloride	7.11	117	58507	4.670	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 00:56:29 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	52107	4.136	ug/l	91
40) Benzene	7.46	78	127945	4.289	ug/l	98
41) Methacrylonitrile	6.45	41	27910	6.593	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	37487	4.440	ug/l	96
43) Isopropyl Acetate	9.24	43	29682	3.611	ug/l #	98
44) Trichloroethene	8.54	130	43722	4.320	ug/l	97
45) 1,2-Dichloropropane	8.93	63	32947	4.203	ug/l	100
46) Dibromomethane	9.06	93	21400	4.268	ug/l	95
47) Bromodichloromethane	9.38	83	48576	4.365	ug/l	97
48) Methyl methacrylate	9.12	41	18306	3.940	ug/l	95
49) 1,4-Dioxane	9.08	88	3542	74.271	ug/l #	92
51) 4-Methyl-2-Pentanone	10.29	43	105833	21.090	ug/l	99
52) Toluene	10.51	92	87566	4.613	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	44027	4.354	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	51243	4.132	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	27462	4.375	ug/l	92
56) Ethyl methacrylate	11.04	69	27790	4.218	ug/l #	88
57) 1,3-Dichloropropane	11.40	76	41937	4.622	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.85	63	84355	23.912	ug/l	100
59) 2-Hexanone	11.52	43	78338	22.246	ug/l	95
60) Dibromochloromethane	11.68	129	37843	4.173	ug/l	99
61) 1,2-Dibromoethane	11.80	107	30618	4.151	ug/l	93
64) Tetrachloroethene	11.25	164	34127	4.183	ug/l	97
65) Chlorobenzene	12.39	112	101714	4.304	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	35348	4.135	ug/l	96
67) Ethyl Benzene	12.52	91	161008	4.657	ug/l	96
68) m/p-Xylenes	12.66	106	131445	9.481	ug/l	99
69) o-Xylene	13.05	106	61427	4.764	ug/l	97
70) Styrene	13.07	104	98675	4.585	ug/l	99
71) Bromoform	13.24	173	20323	3.778	ug/l	94
73) Isopropylbenzene	13.40	105	173440	4.938	ug/l	98
74) N-amyl acetate	13.26	43	43078	4.057	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	29694	4.074	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	31045	4.191	ug/l	100
77) Bromobenzene	13.67	156	38473	4.168	ug/l	94
78) n-propylbenzene	13.77	91	200639	4.894	ug/l	97
79) 2-Chlorotoluene	13.84	91	111330	4.851	ug/l	98
80) 1,3,5-Trimethylbenzene	14.24	105	115778	4.266	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	7220	3.306	ug/l #	85
82) 4-Chlorotoluene	13.94	91	130493	5.063	ug/l	98
83) tert-Butylbenzene	14.19	119	137271m	4.544	ug/l	
84) 1,2,4-Trimethylbenzene	14.24	105	115778	4.266	ug/l	97
85) sec-Butylbenzene	14.37	105	177344	5.030	ug/l	97
86) p-Isopropyltoluene	14.49	119	145612	5.013	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	75496	4.812	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	75001	4.831	ug/l	99
89) n-Butylbenzene	14.80	91	130557	4.803	ug/l	96
90) Hexachloroethane	15.01	117	36420	4.349	ug/l	95
91) 1,2-Dichlorobenzene	14.81	146	63082	4.610	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	3403	3.974	ug/l	96

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

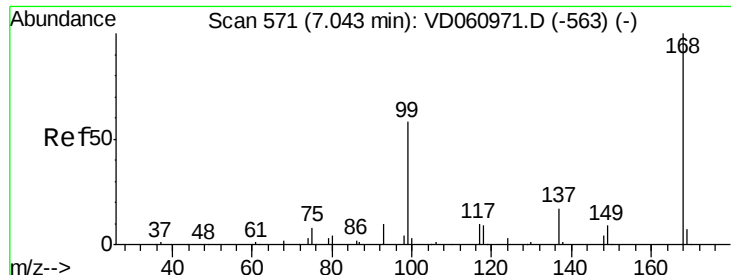
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	25592	3.316	ug/l	100
94) Hexachlorobutadiene	16.03	225	20321	4.119	ug/l	95
95) Naphthalene	16.12	128	39592	3.320	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	12439	2.971	ug/l	95

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



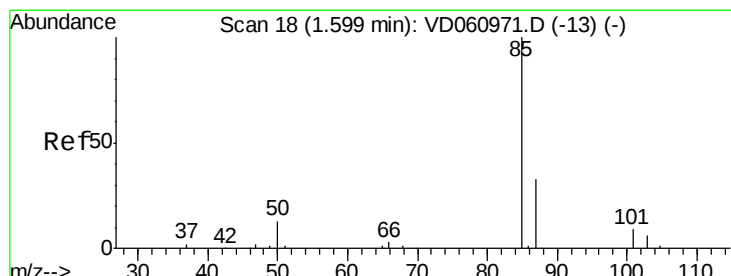
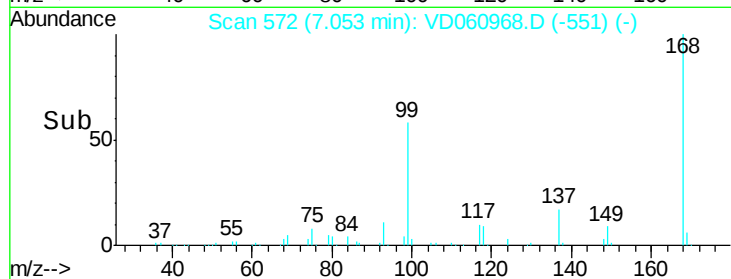
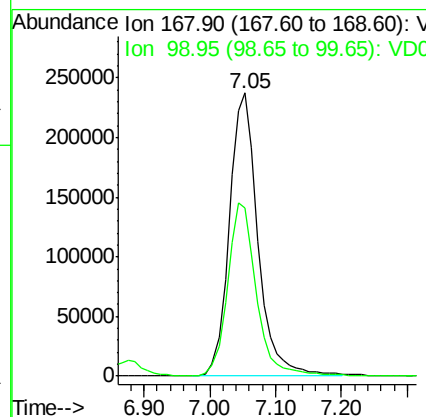
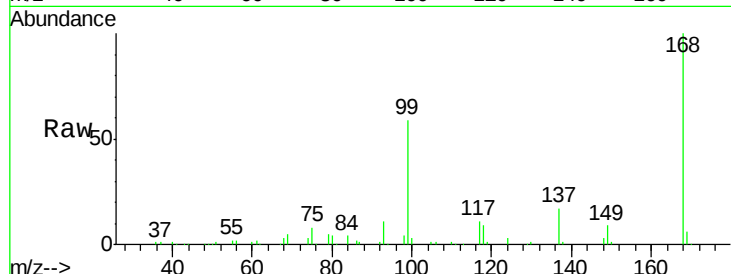
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:168 Resp: 721695
Ion Ratio Lower Upper
168 100
99 59.4 47.3 70.9

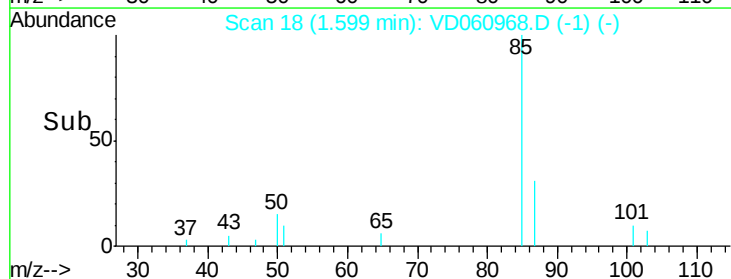
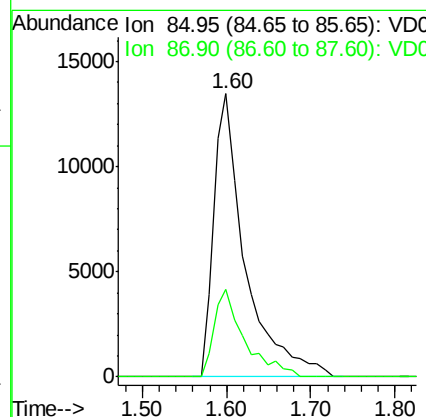
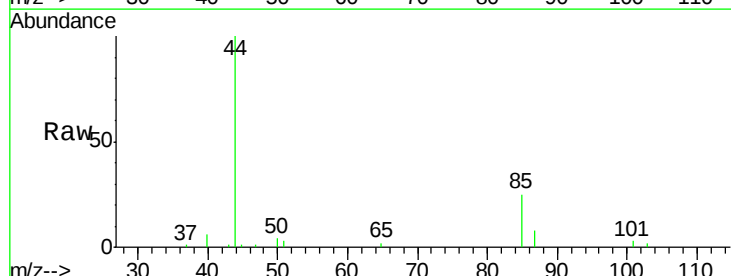
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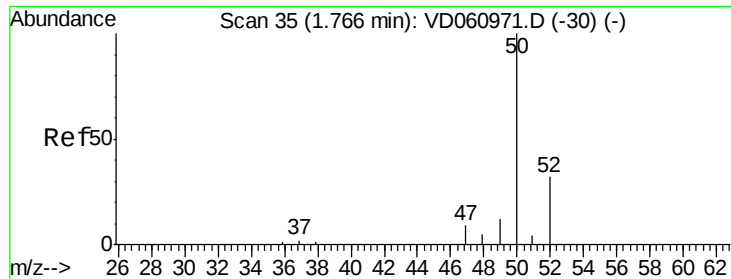
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#2
Dichlorodifluoromethane
Concen: 4.394 ug/l
RT: 1.60 min Scan# 18
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion: 85 Resp: 34759
Ion Ratio Lower Upper
85 100
87 31.1 16.4 49.4





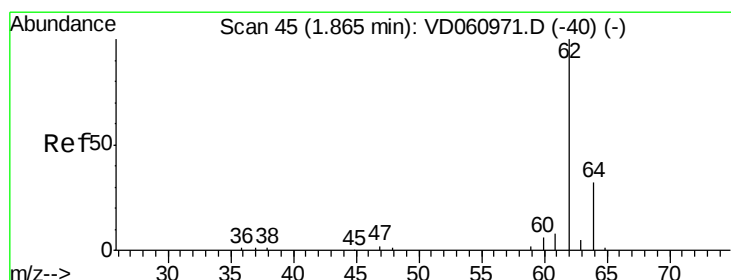
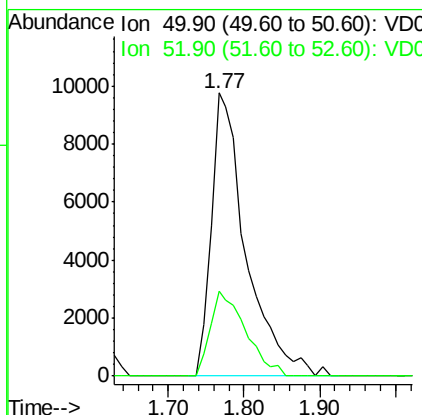
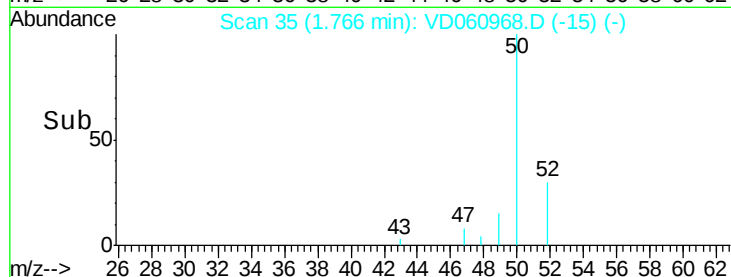
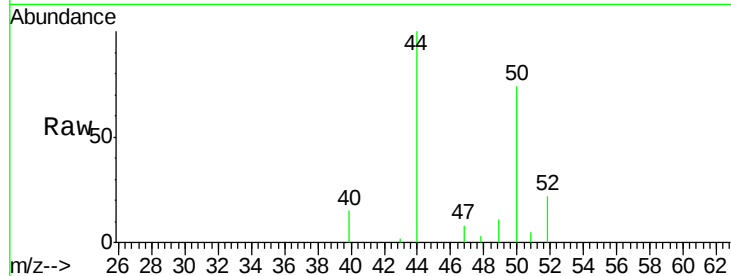
#3
Chloromethane
Concen: 4.775 ug/l
RT: 1.77 min Scan# 35
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 50 Resp: 31247
Ion Ratio Lower Upper
50 100
52 30.2 25.8 38.8

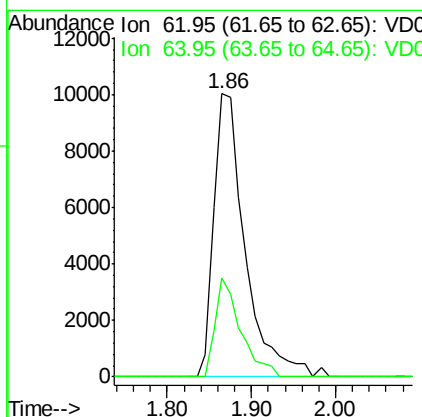
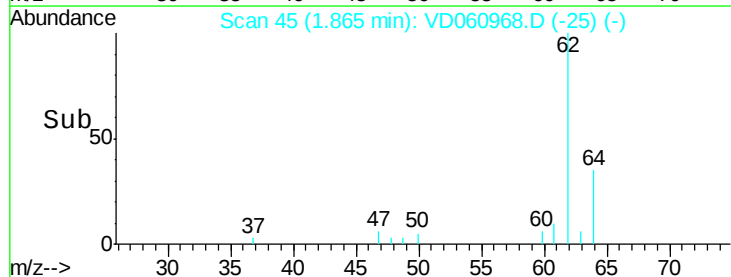
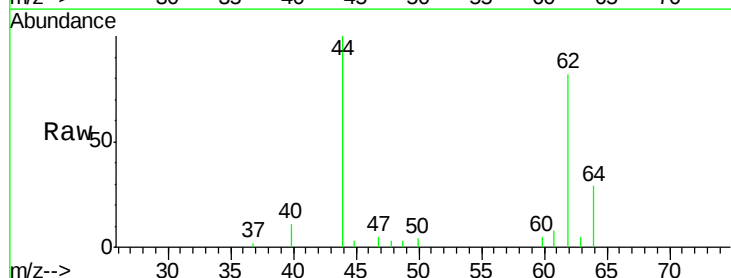
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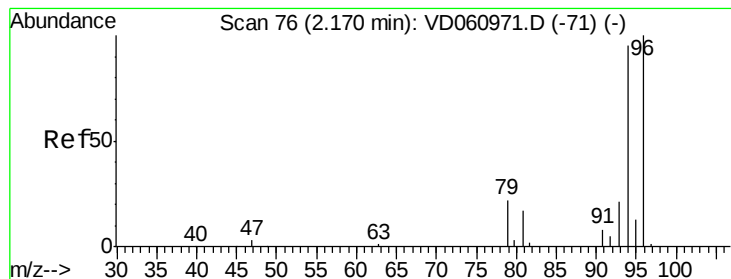
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#4
Vinyl Chloride
Concen: 4.374 ug/l
RT: 1.86 min Scan# 45
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion: 62 Resp: 26015
Ion Ratio Lower Upper
62 100
64 34.9 25.2 37.8





#5

Bromomethane

Concen: 7.183 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7443

Ion Ratio Lower Upper

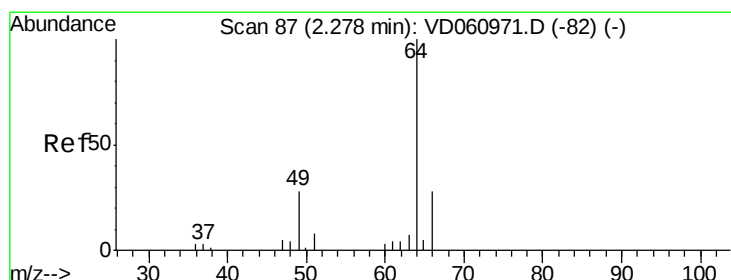
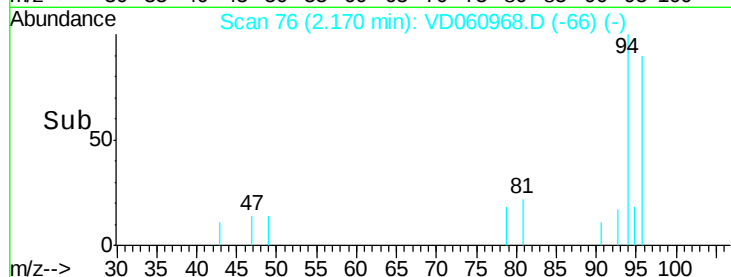
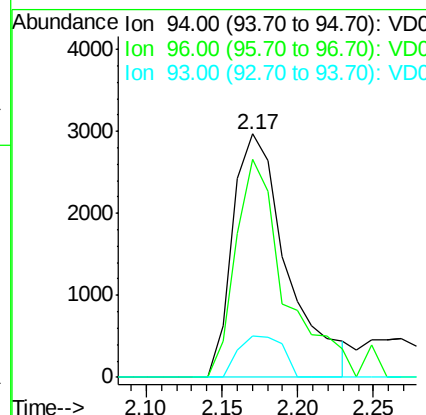
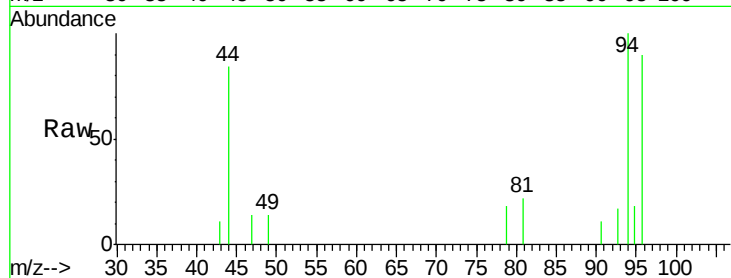
94 100

96 89.5 84.0 126.0

93 17.1 17.3 25.9#

Manual Integrations
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#6

Chloroethane

Concen: 5.256 ug/l

RT: 2.29 min Scan# 88

Delta R.T. 0.01 min

Lab File: VD060968.D

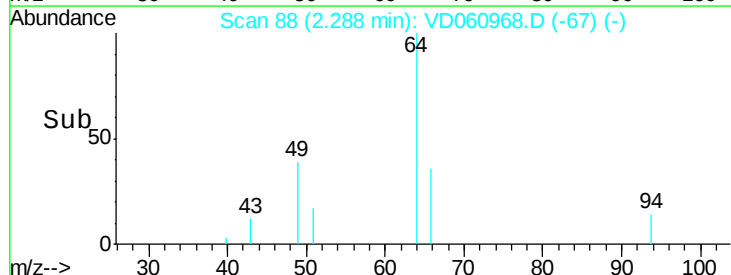
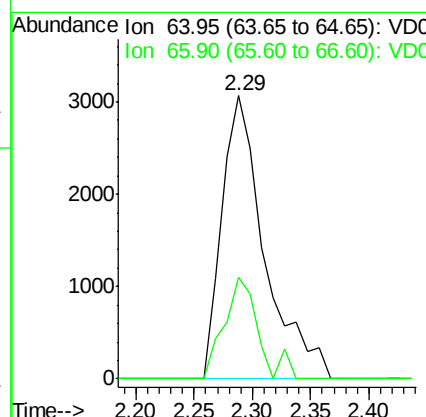
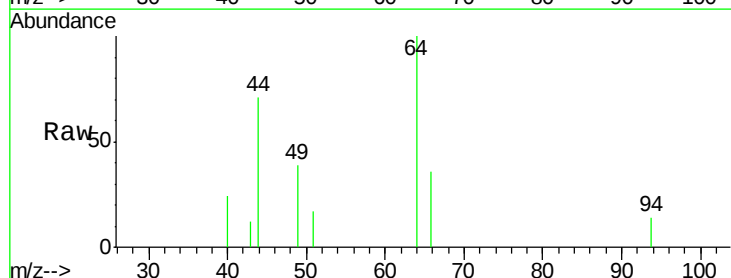
Acq: 7 Mar 2019 14:39

Tgt Ion: 64 Resp: 7787

Ion Ratio Lower Upper

64 100

66 35.9 22.2 33.2#





#7

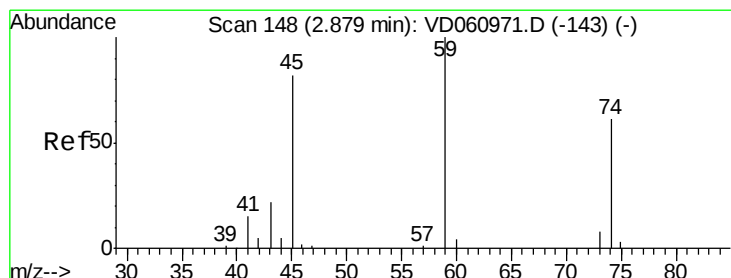
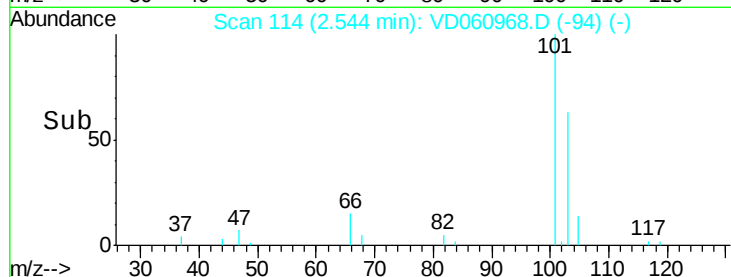
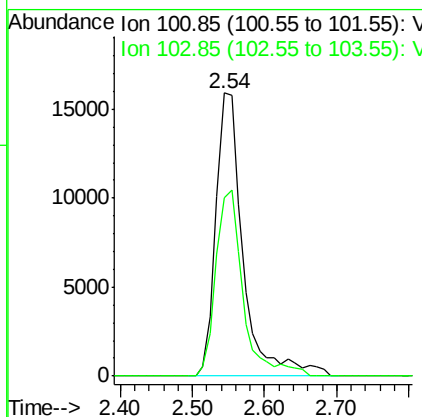
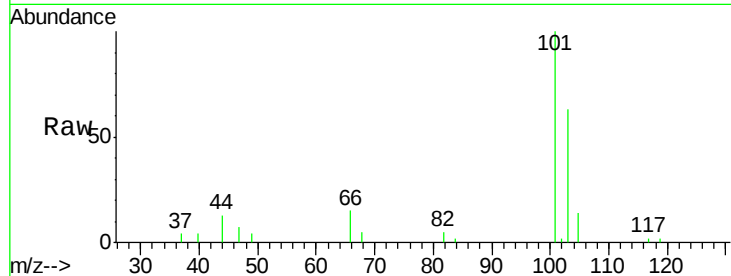
Trichlorofluoromethane
 Concen: 5.635 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:101 Resp: 41407
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.2 76.8

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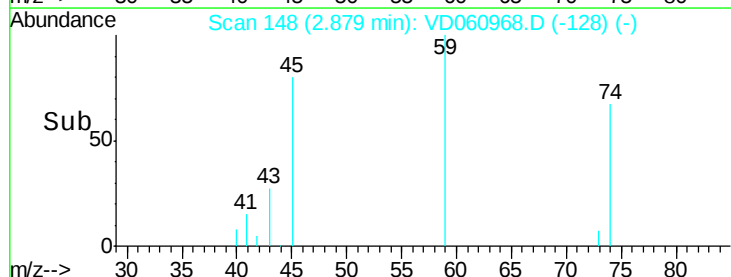
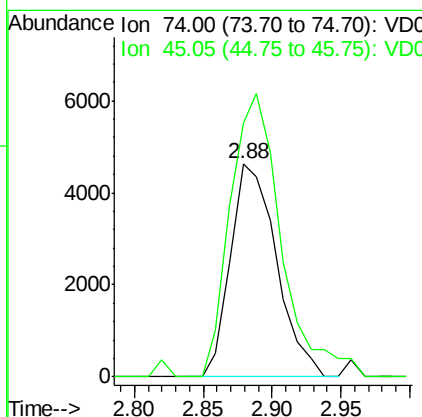
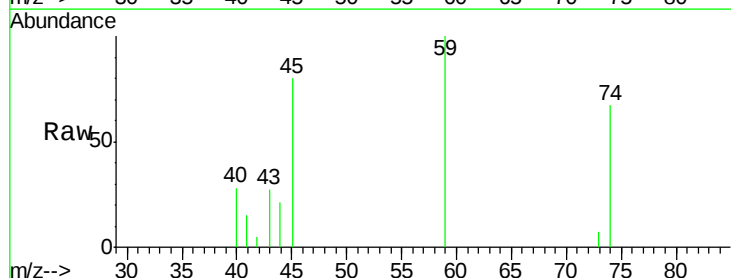
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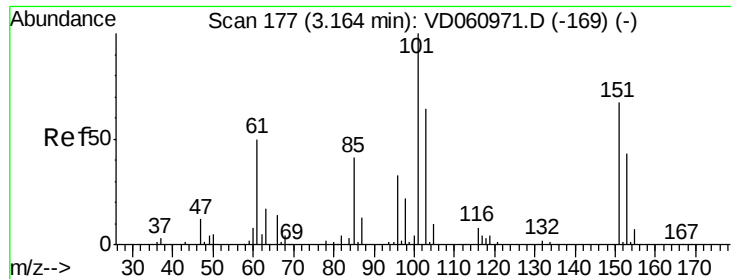


#8

Diethyl Ether
 Concen: 3.452 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Tgt Ion: 74 Resp: 10737
 Ion Ratio Lower Upper
 74 100
 45 119.1 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.555 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

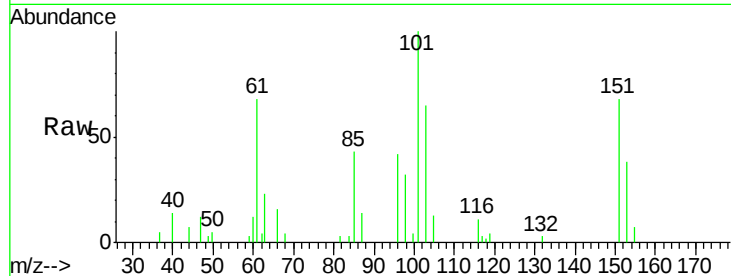
ClientSampleId :

VSTDIC005

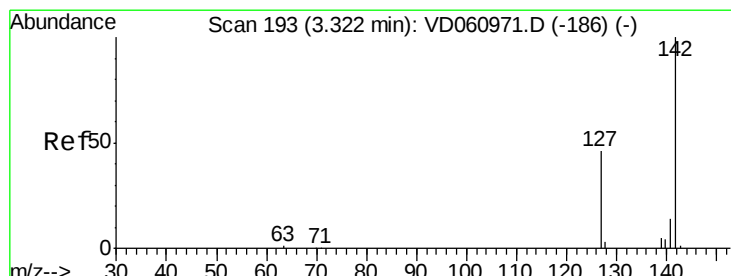
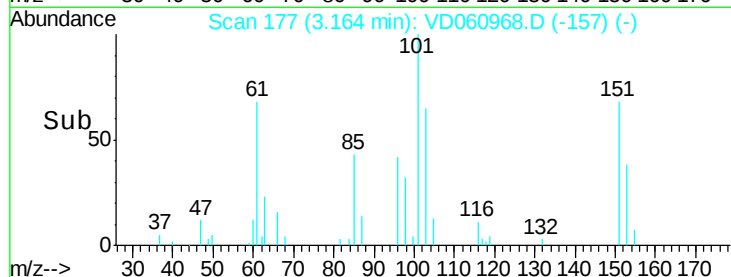
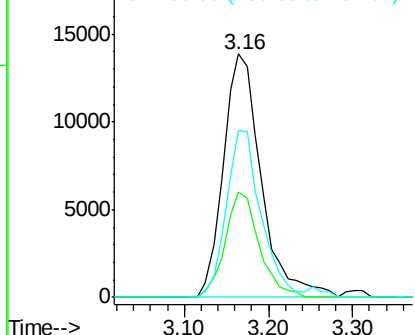
Tot Ion:	101	Resp:	43352
Ion Ratio	Lower	Upper	
101	100		
85	43.2	32.5	48.7
151	68.5	53.3	79.9

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



#10

Methyl Iodide

Concen: 2.364 ug/l

RT: 3.32 min Scan# 193

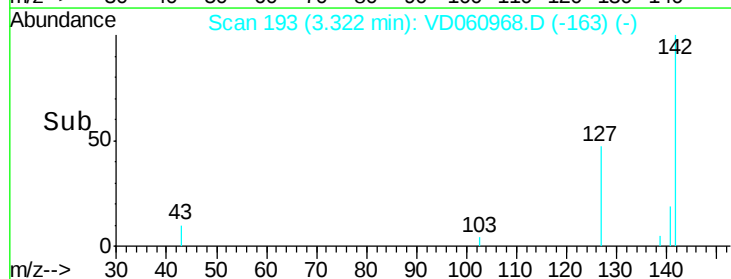
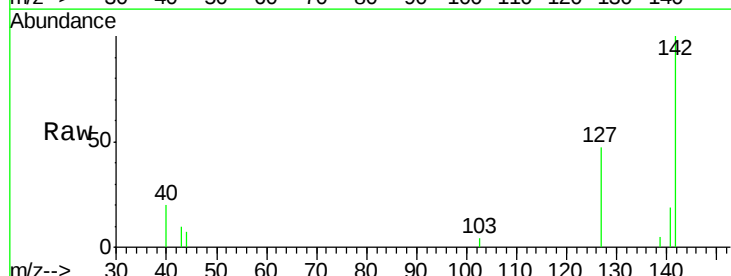
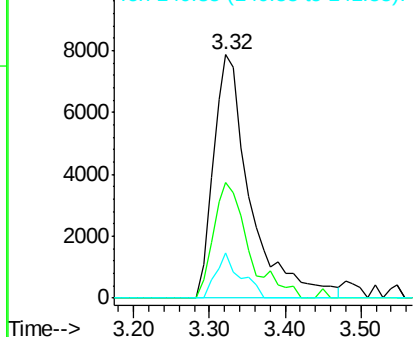
Delta R.T. 0.00 min

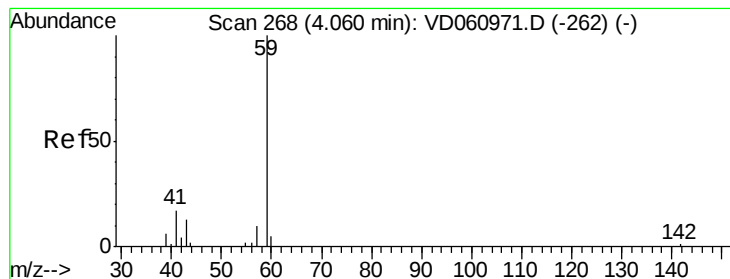
Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Tgt Ion:	142	Resp:	26630
Ion Ratio	Lower	Upper	
142	100		
127	47.3	36.8	55.2
141	18.7	11.2	16.8#

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





#11

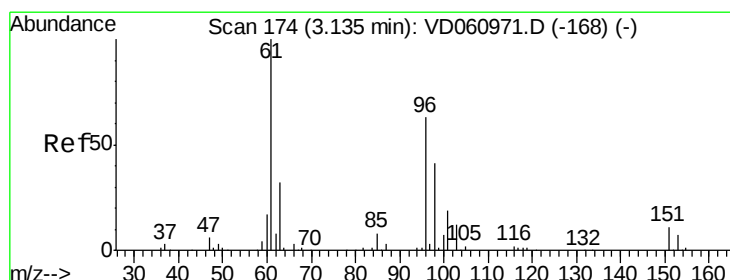
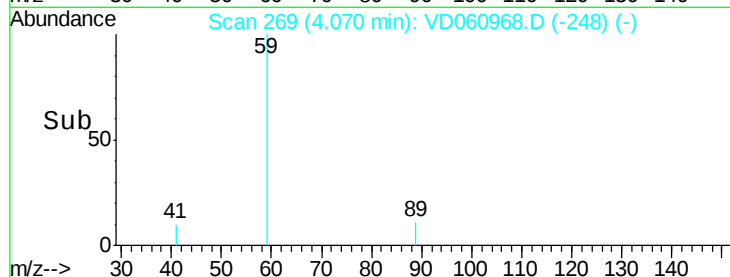
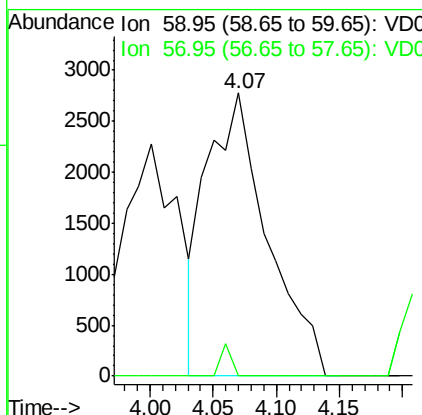
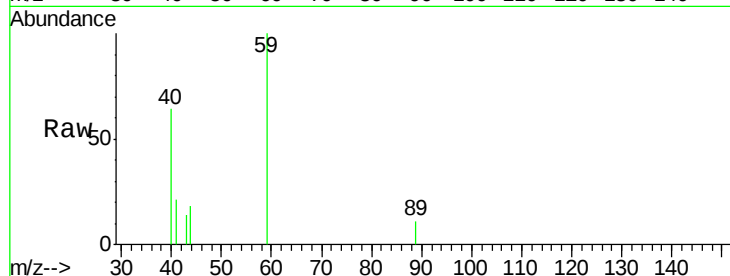
Tert butyl alcohol
Concen: 21.232 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 9297
Ion Ratio Lower Upper
59 100
57 0.0 7.1 10.7#

Manual Integrations
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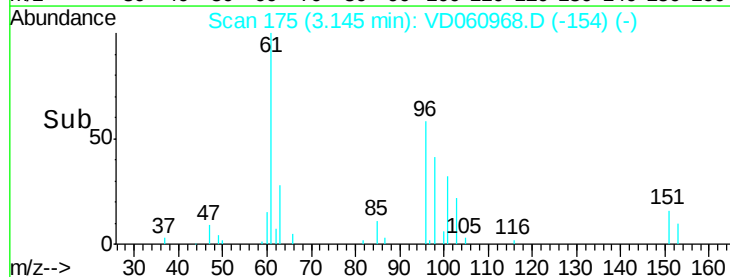
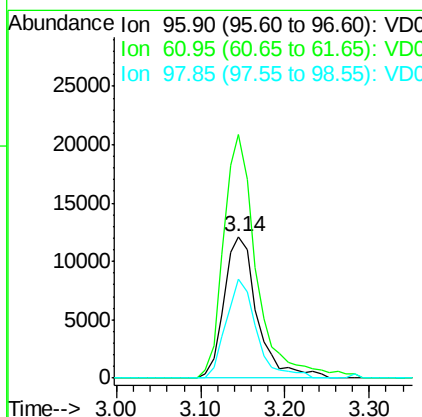
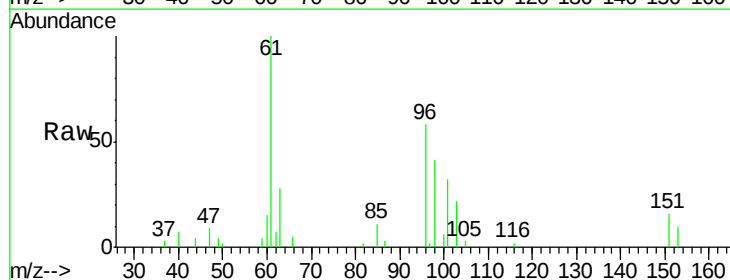
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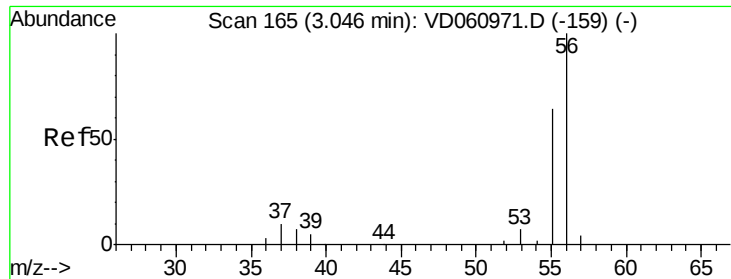


#12

1,1-Dichloroethene
Concen: 4.114 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion: 96 Resp: 33206
Ion Ratio Lower Upper
96 100
61 171.7 127.1 190.7
98 69.7 51.5 77.3





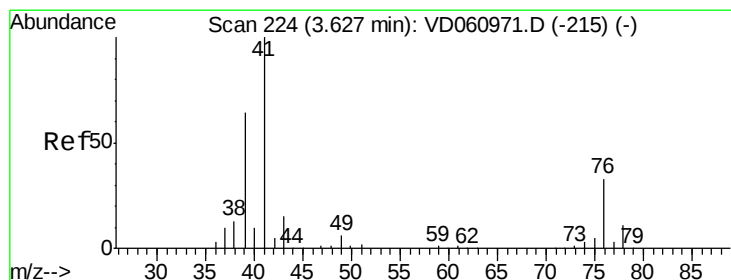
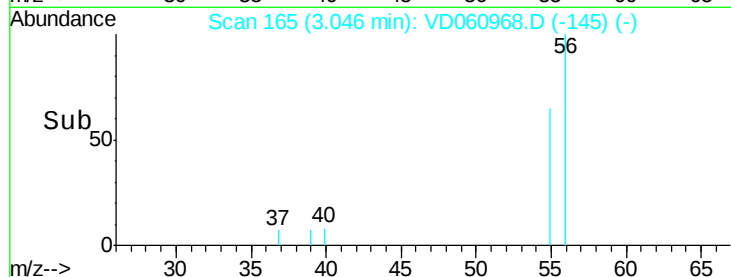
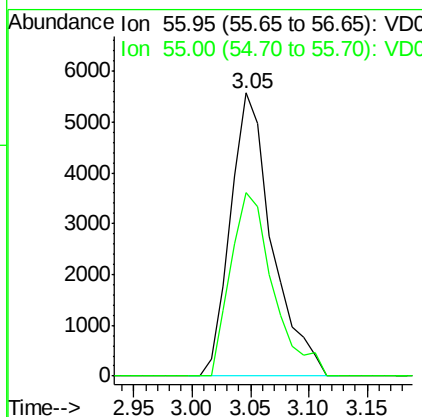
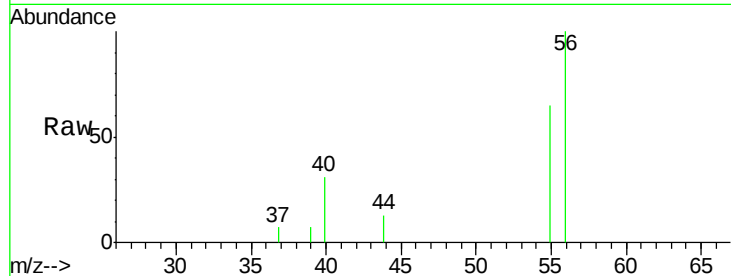
#13
Acrolein
Concen: 23.001 ug/l
RT: 3.05 min Scan# 165
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 13796
Ion Ratio Lower Upper
56 100
55 64.7 51.3 76.9

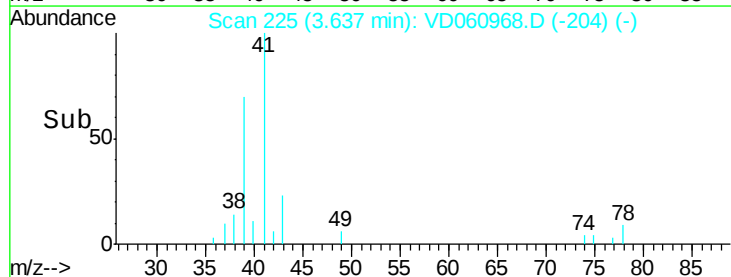
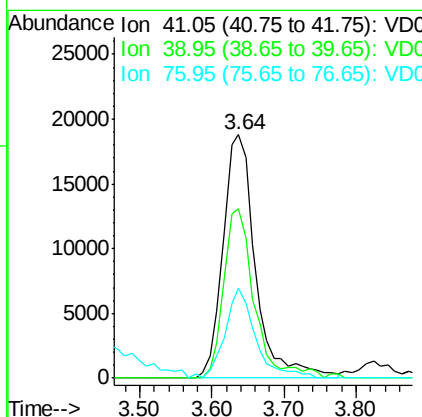
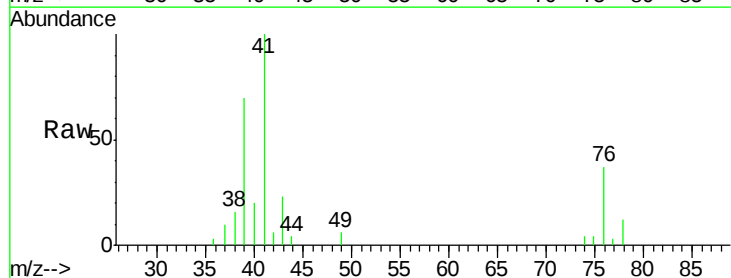
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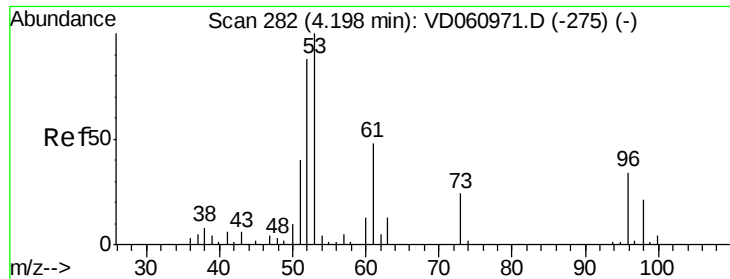
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#14
Allyl chloride
Concen: 4.399 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion: 41 Resp: 58736
Ion Ratio Lower Upper
41 100
39 69.8 51.1 76.7
76 36.8 29.1 43.7





#15

Acrylonitrile

Concen: 19.760 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

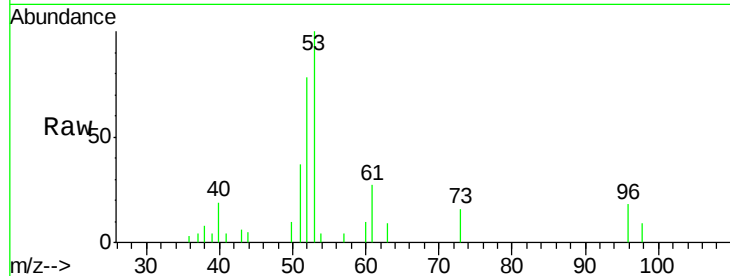
ClientSampled :

VSTDIC005

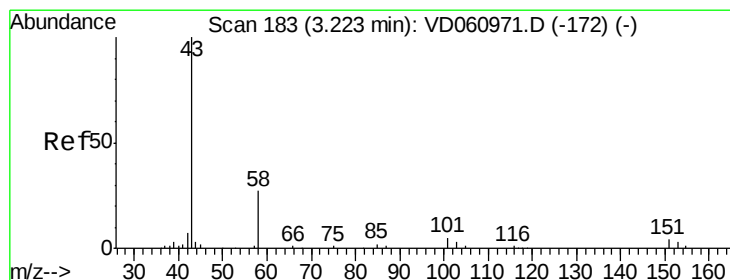
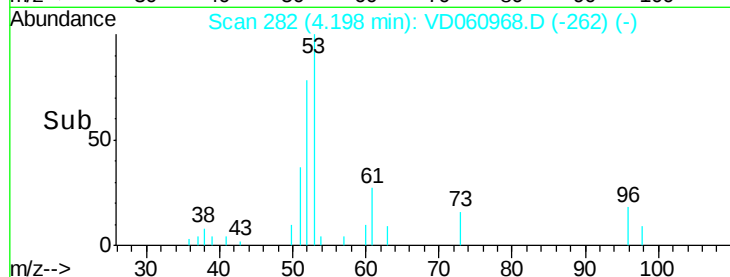
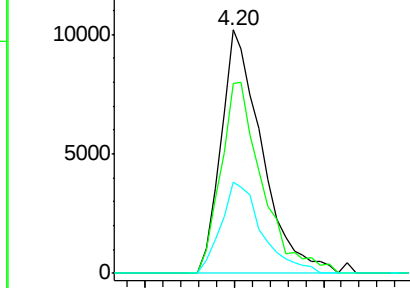
Tot Ion:	53	Resp:	32634
Ion	Ratio	Lower	Upper
53	100		
52	78.2	70.2	105.4
51	37.3	31.7	47.5

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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 21.747 ug/l

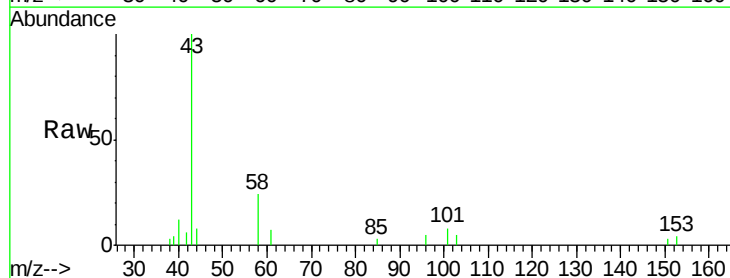
RT: 3.23 min Scan# 184

Delta R.T. 0.01 min

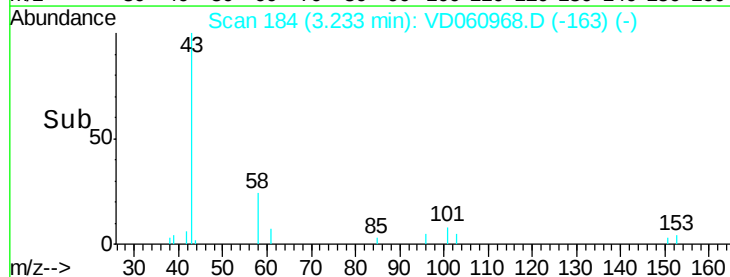
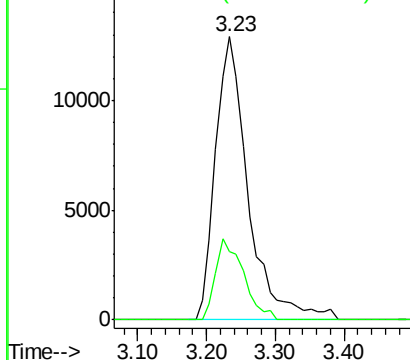
Lab File: VD060968.D

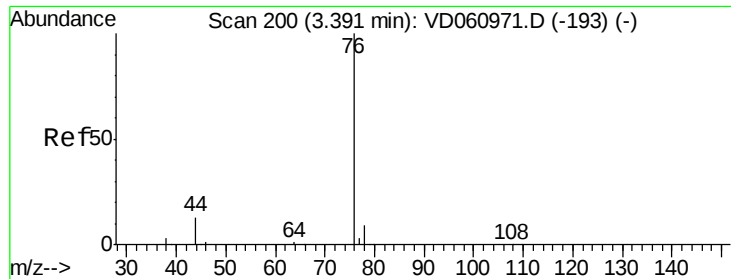
Acq: 7 Mar 2019 14:39

Tgt Ion:	43	Resp:	42367
Ion	Ratio	Lower	Upper
43	100		
58	24.2	21.6	32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





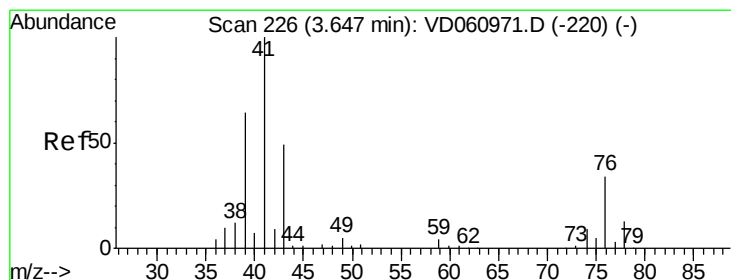
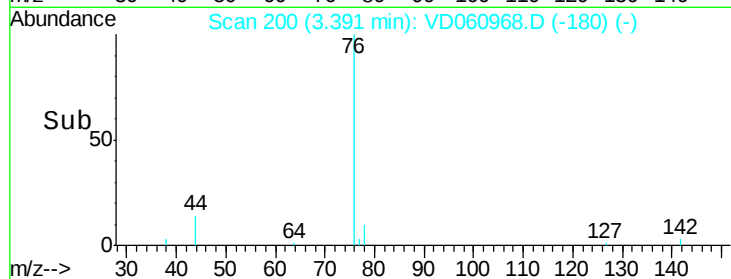
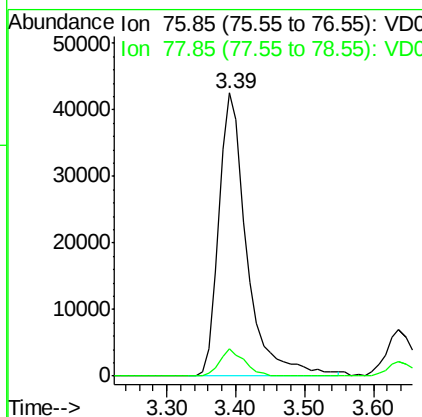
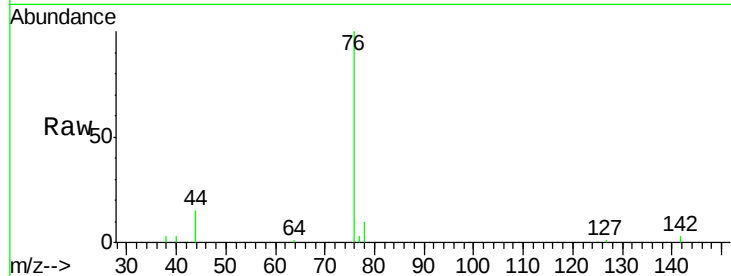
#17
Carbon Disulfide
Concen: 4.177 ug/l
RT: 3.39 min Scan# 200
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	76	Resp	119744
Ion Ratio	Lower	Upper	
76	100		
78	9.8	7.4	11.2

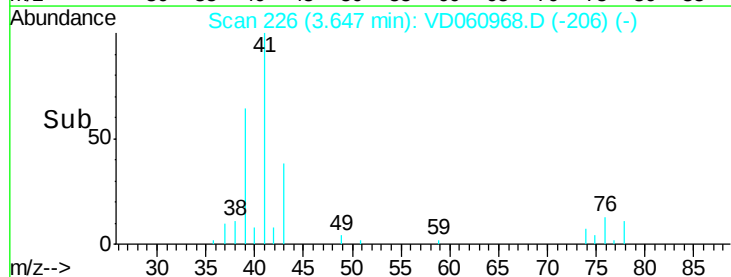
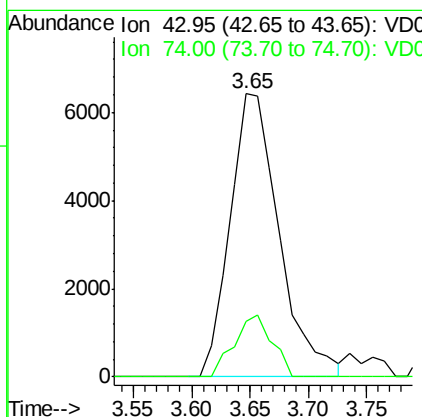
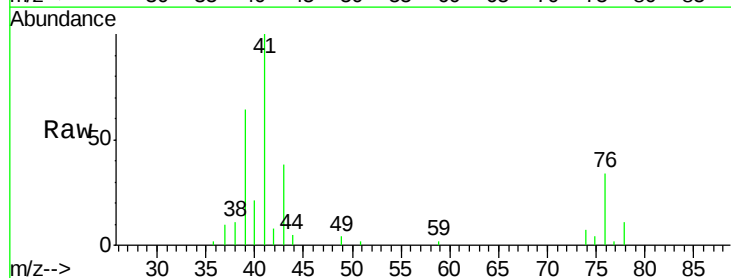
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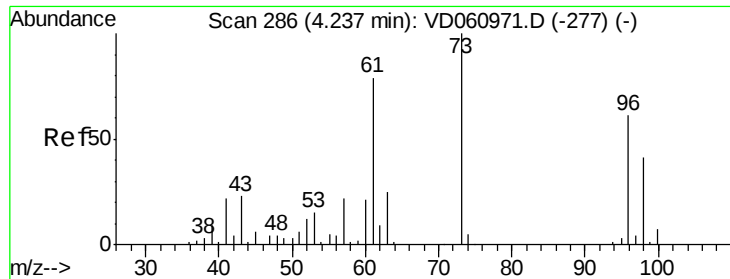
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#18
Methyl Acetate
Concen: 4.673 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion	43	Resp	18702
Ion Ratio	Lower	Upper	
43	100		
74	19.8	14.6	21.8





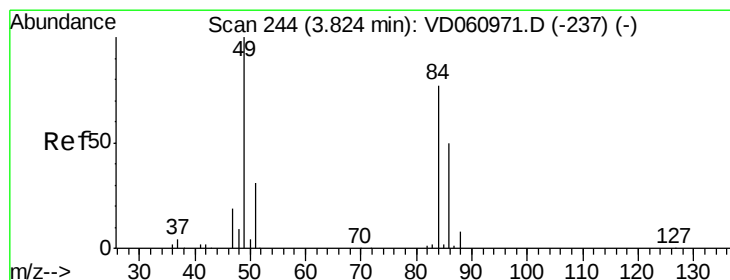
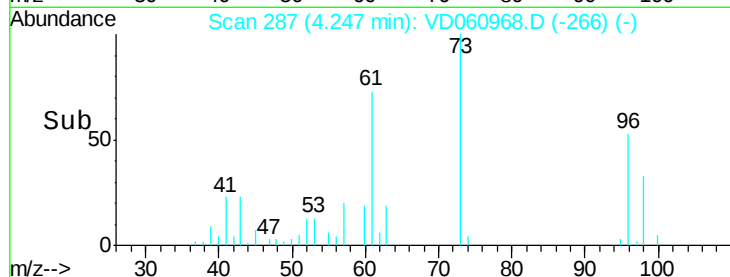
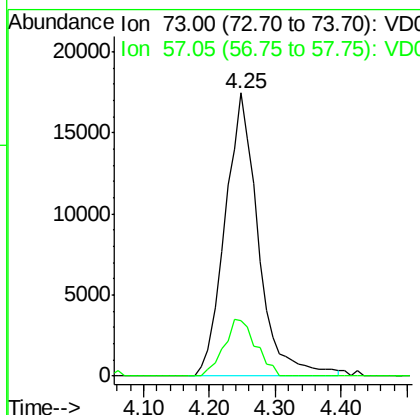
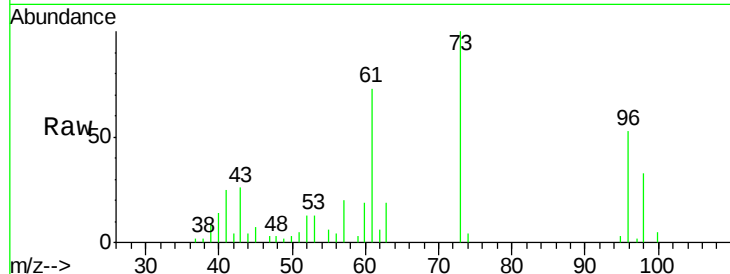
#19
Methyl tert-butyl Ether
Concen: 4.297 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 61684
Ion Ratio Lower Upper
73 100
57 19.7 17.7 26.5

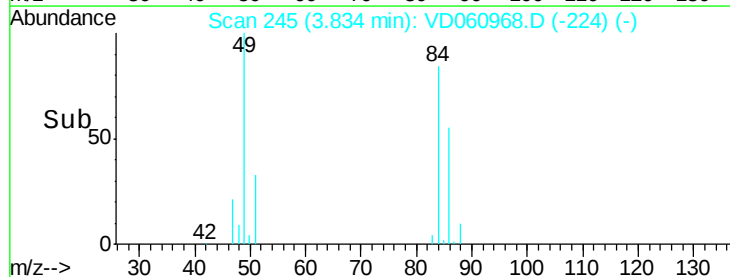
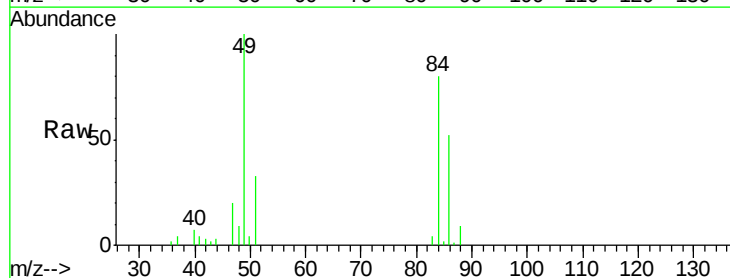
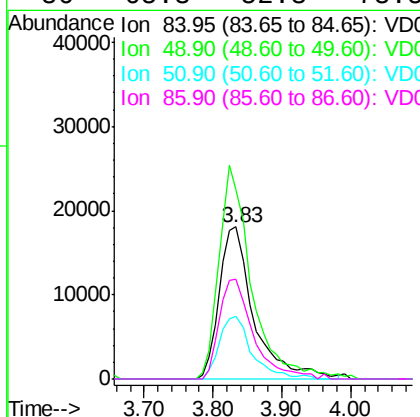
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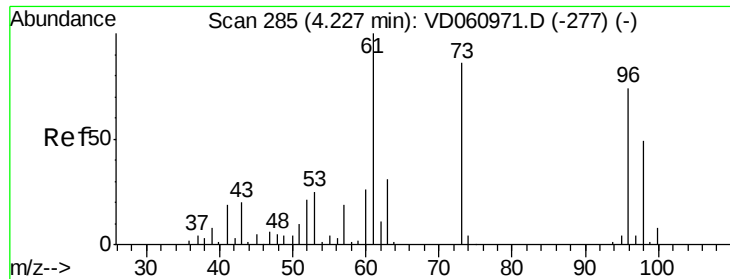
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#20
Methylene Chloride
Concen: 5.792 ug/l
RT: 3.83 min Scan# 245
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion: 84 Resp: 62953
Ion Ratio Lower Upper
84 100
49 124.5 104.2 156.2
51 41.6 32.3 48.5
86 65.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 4.301 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

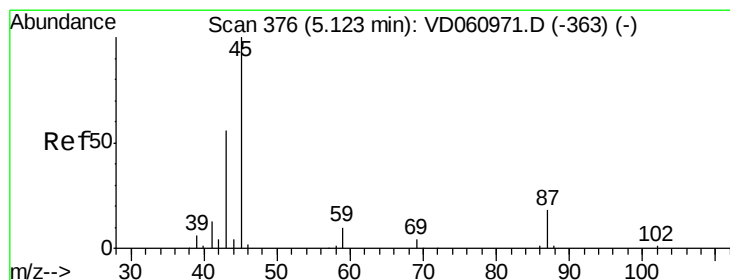
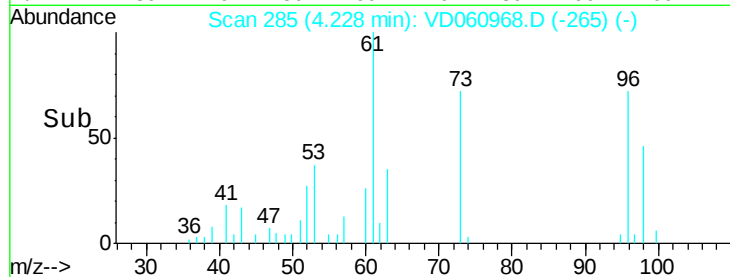
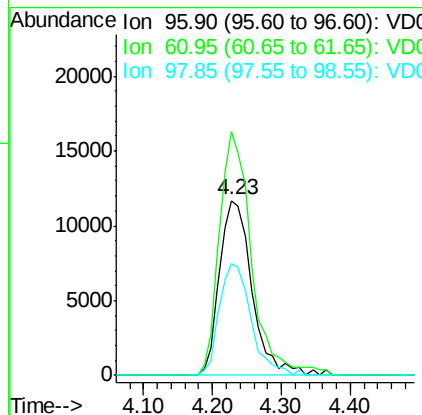
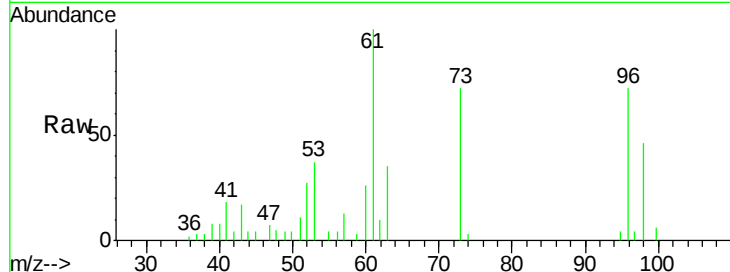
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	38154
Ion	Ratio	Lower	Upper
96	100		
61	139.5	108.4	162.6
98	64.2	53.0	79.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.276 ug/l

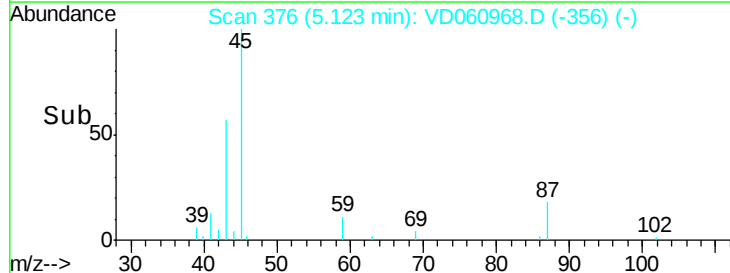
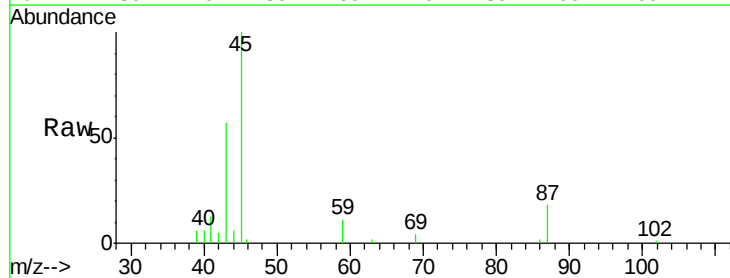
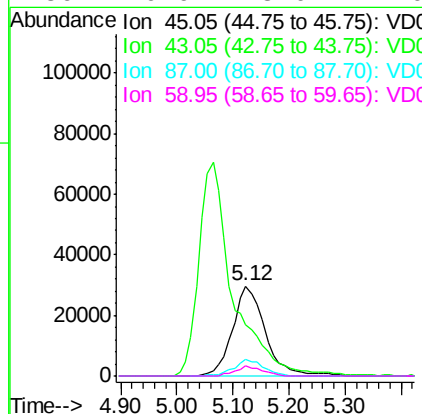
RT: 5.12 min Scan# 376

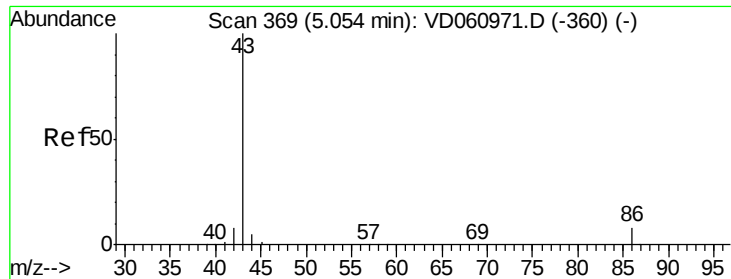
Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Tgt Ion:	45	Resp:	120253
Ion	Ratio	Lower	Upper
45	100		
43	57.5	45.8	68.8
87	18.1	14.9	22.3
59	10.9	8.0	12.0





#23

Vinyl Acetate

Concen: 20.025 ug/l

RT: 5.06 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 295089

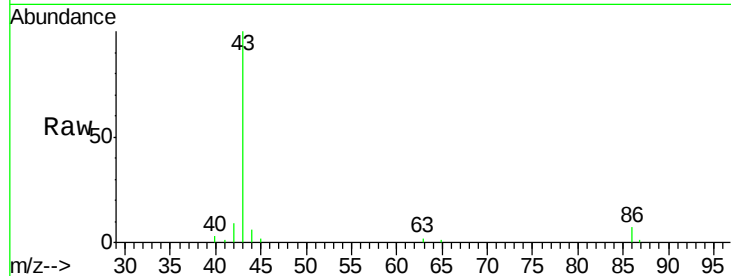
Ion Ratio Lower Upper

43 100

86 7.3 6.2 9.2

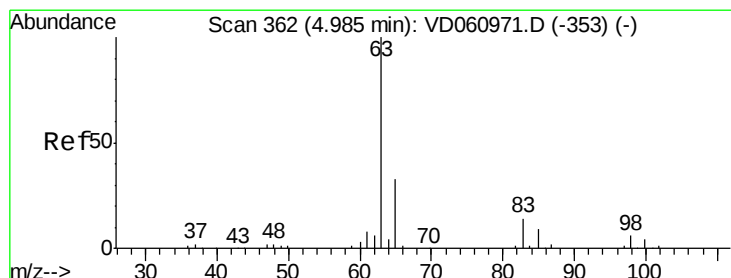
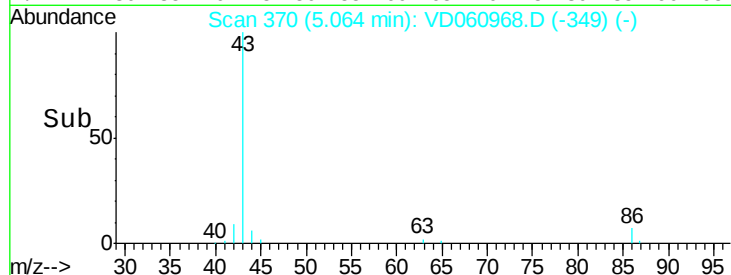
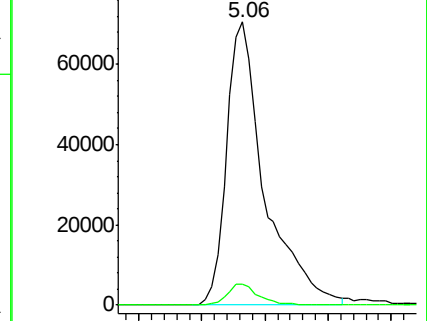
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.200 ug/l

RT: 5.00 min Scan# 363

Delta R.T. 0.01 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

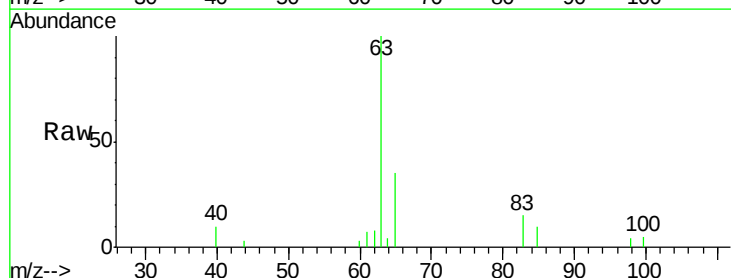
Tgt Ion: 63 Resp: 63508

Ion Ratio Lower Upper

63 100

98 4.1 3.0 9.2

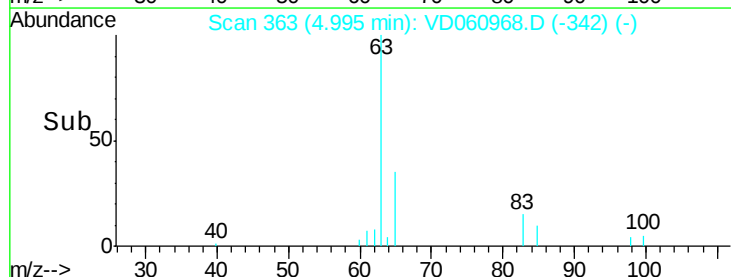
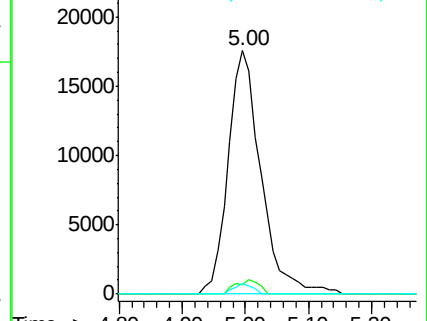
100 4.6 2.0 5.8



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: 21.161 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 50694

Ion Ratio Lower Upper

43 100

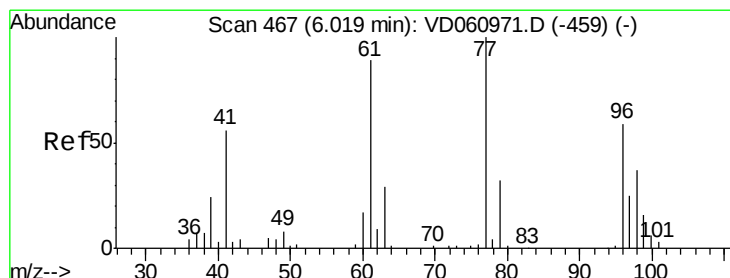
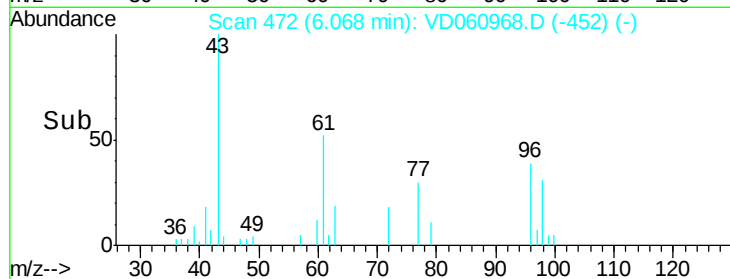
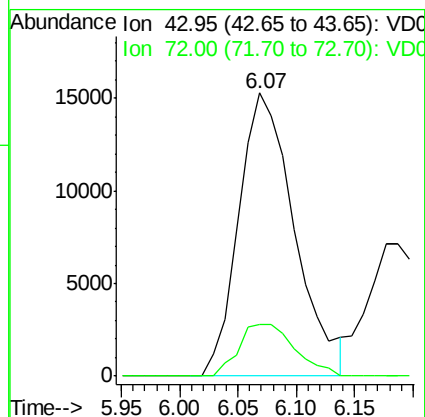
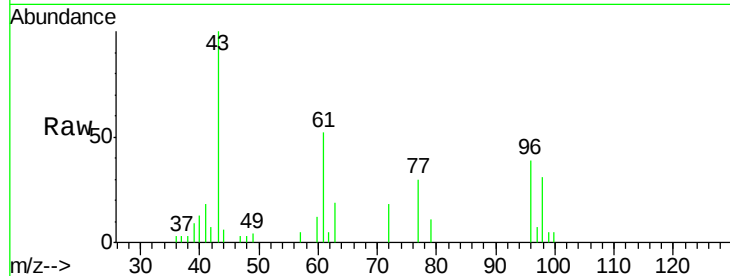
72 18.3 16.7 25.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.132 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.01 min

Lab File: VD060968.D

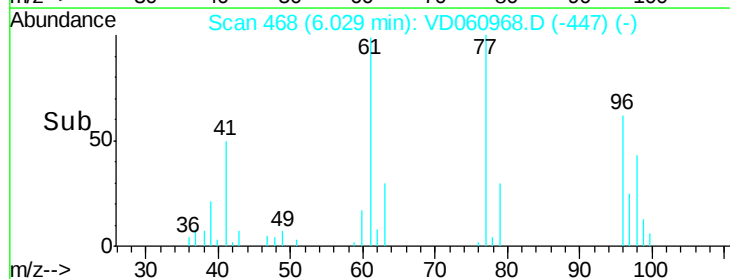
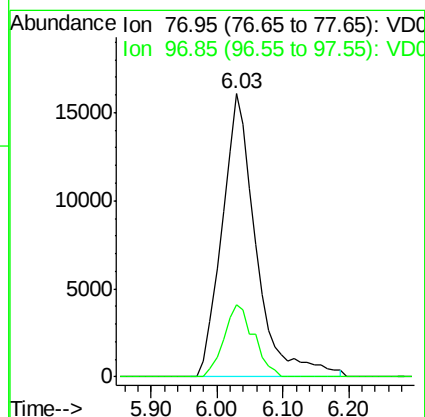
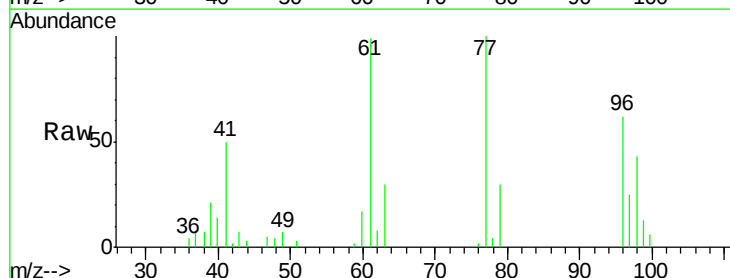
Acq: 7 Mar 2019 14:39

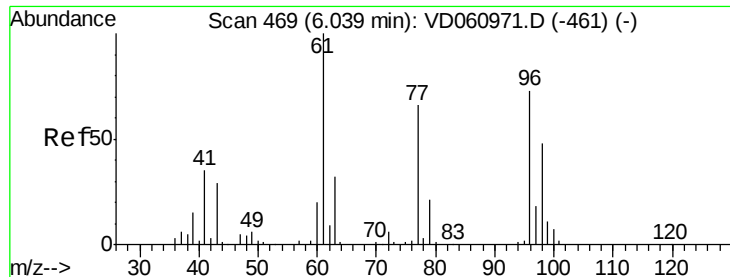
Tgt Ion: 77 Resp: 57665

Ion Ratio Lower Upper

77 100

97 25.4 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 4.241 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 42372

Ion Ratio Lower Upper

96 100

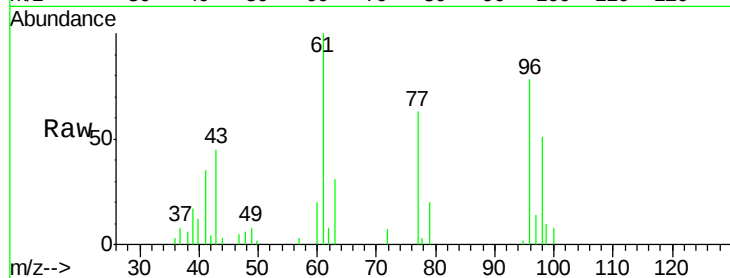
61 128.6 0.0 273.6

98 65.5 0.0 132.6

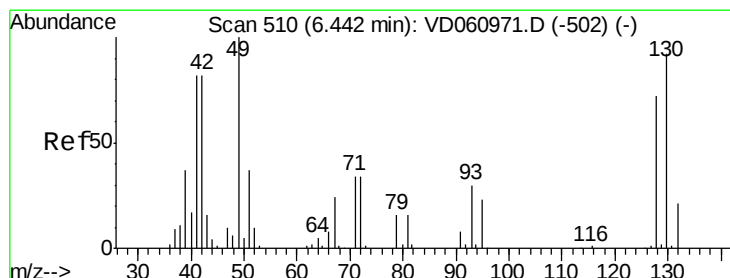
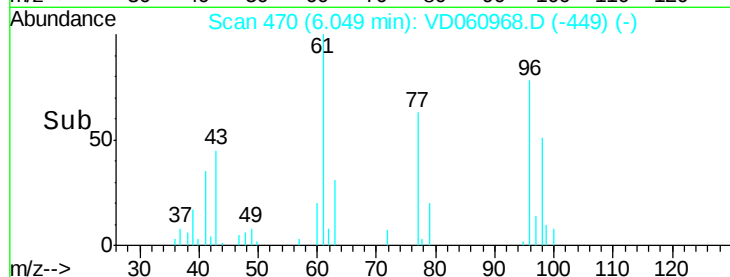
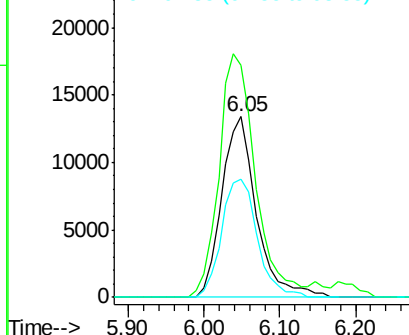
Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane

Concen: 4.970 ug/l

RT: 6.44 min Scan# 510

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

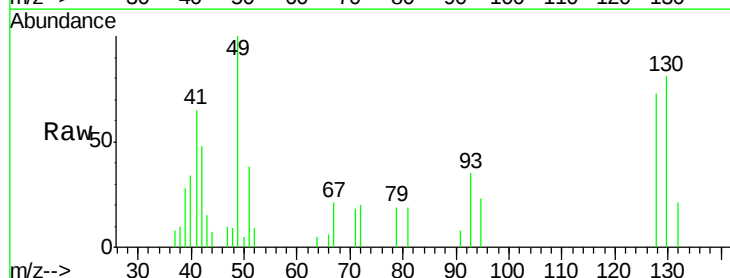
Tgt Ion: 49 Resp: 31226

Ion Ratio Lower Upper

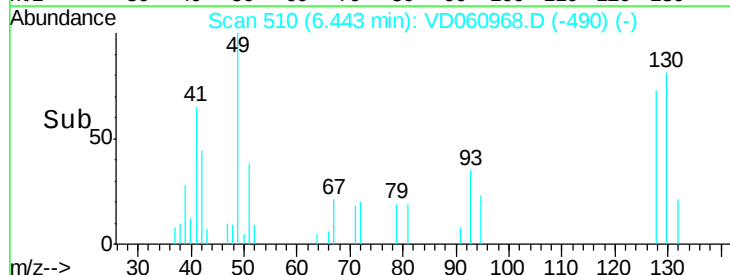
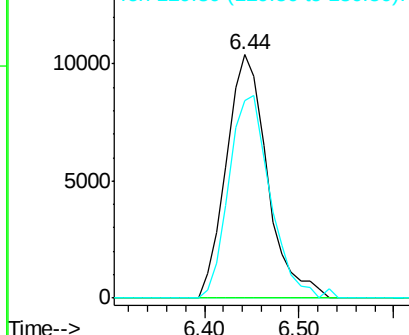
49 100

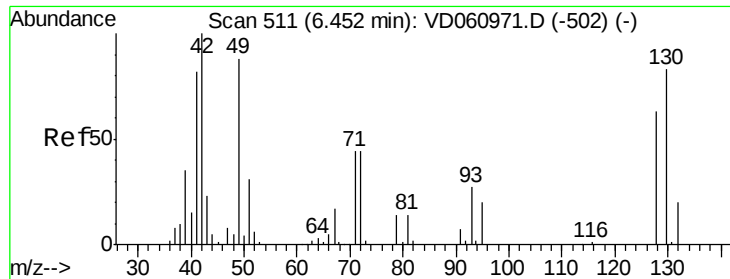
129 0.0 0.0 4.0

130 81.2 73.8 110.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





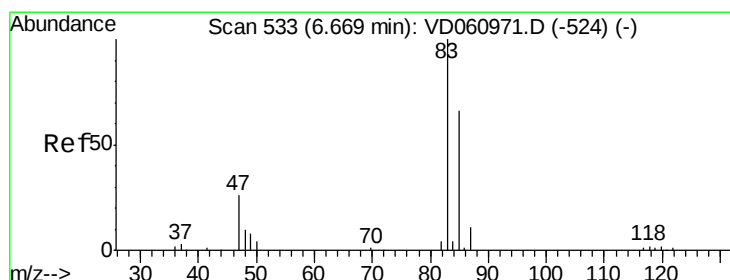
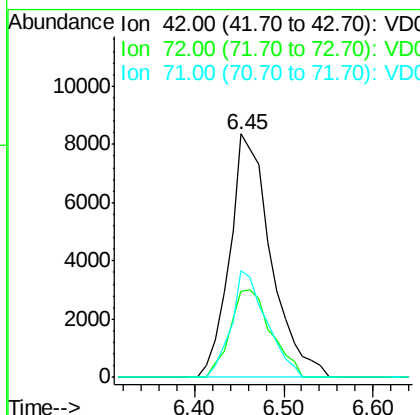
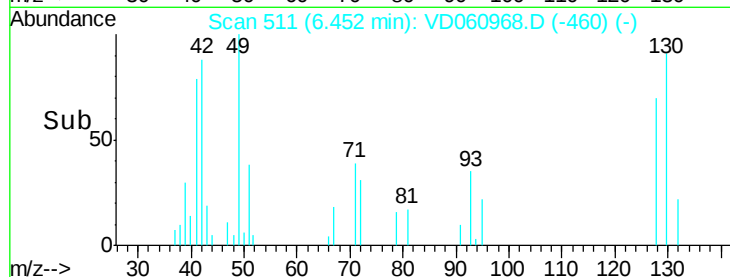
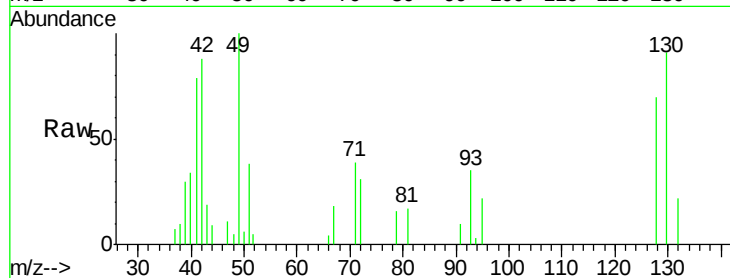
#29
Tetrahydrofuran
Concen: 21.510 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.8	34.5	51.7
71	37.5	33.8	50.6

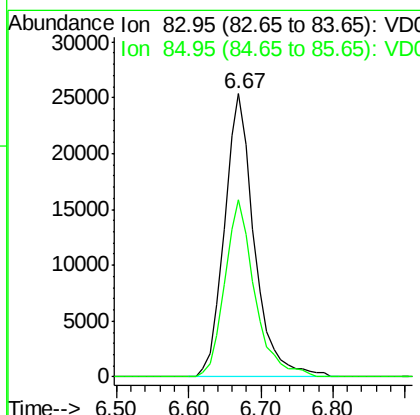
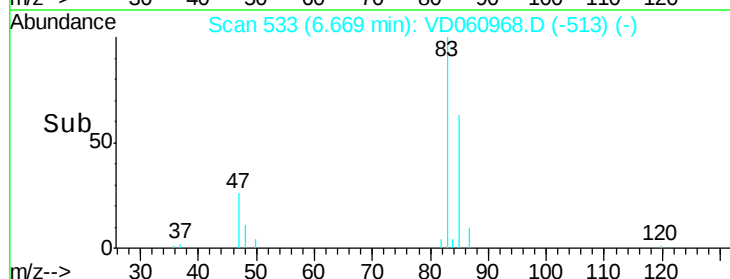
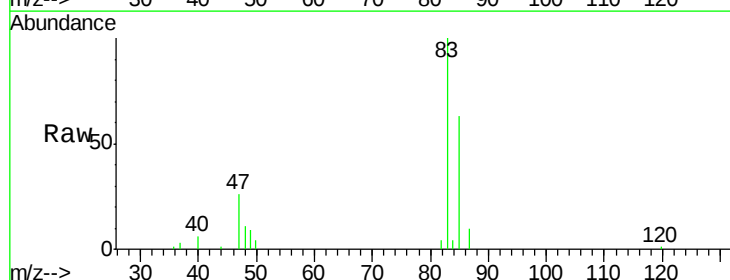
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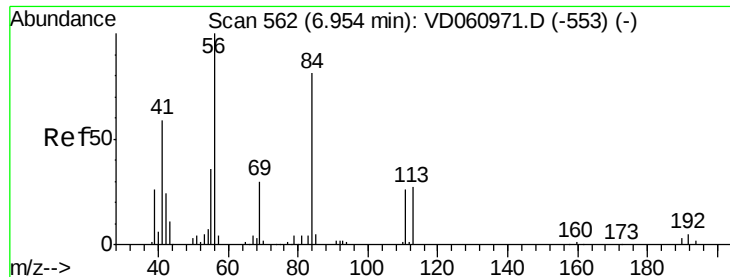
MMDadoda
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#30
Chloroform
Concen: 4.963 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.0	79.4





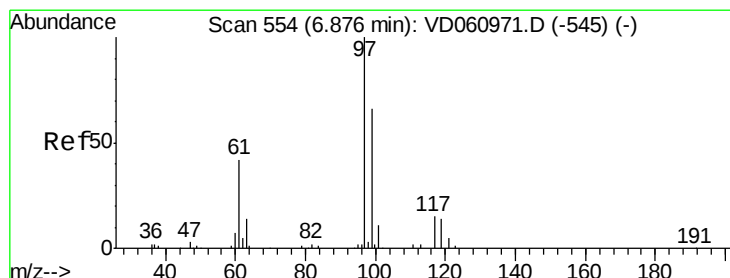
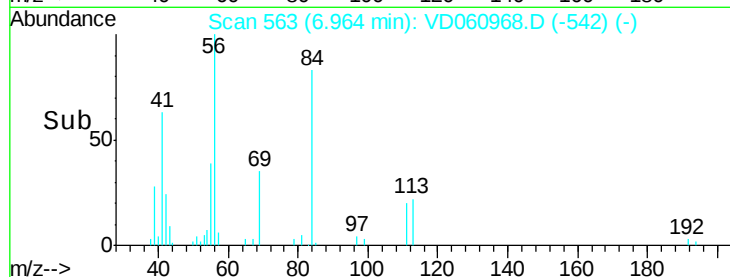
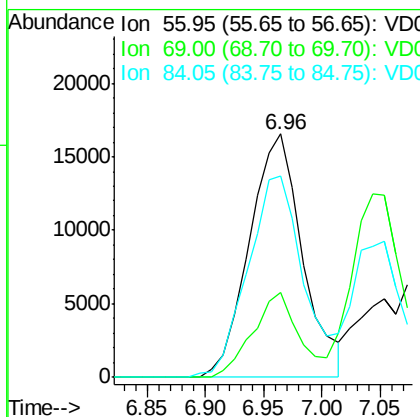
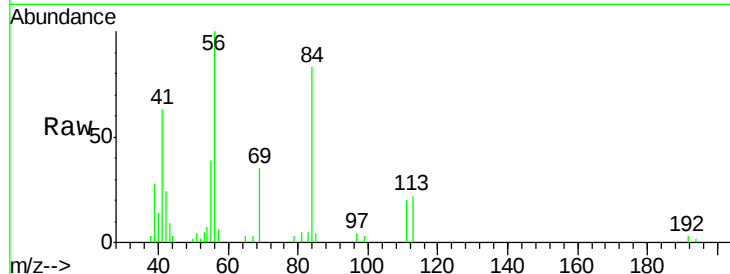
#31
Cyclohexane
Concen: 4.069 ug/l
RT: 6.96 min Scan# 563
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	24.0	36.0
84	82.6	65.8	98.6

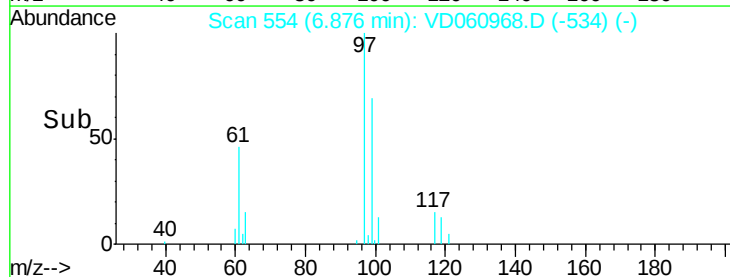
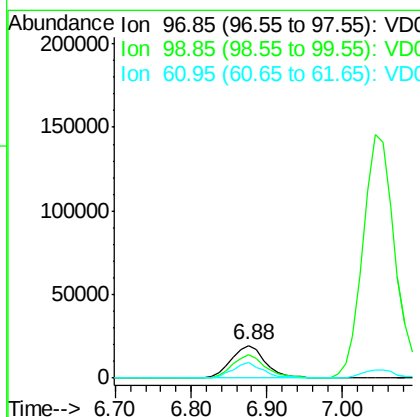
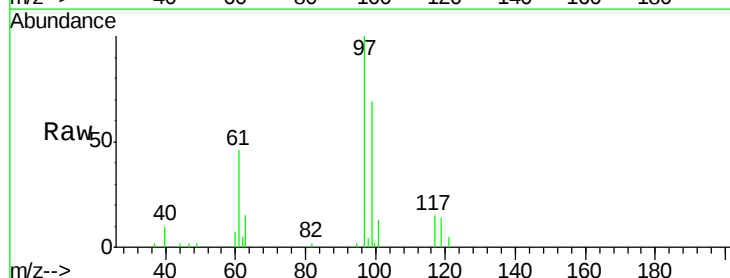
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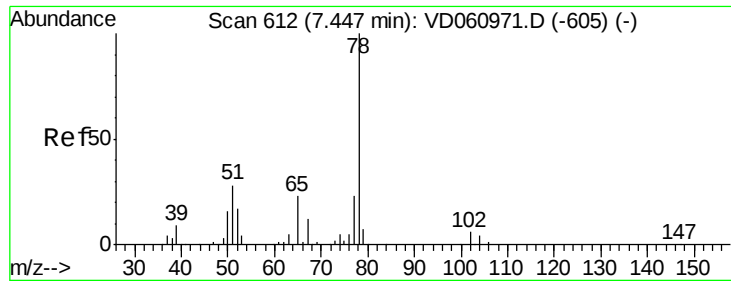
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#32
1,1,1-Trichloroethane
Concen: 4.903 ug/l
RT: 6.88 min Scan# 554
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.3	53.2	79.8
61	46.4	33.8	50.8





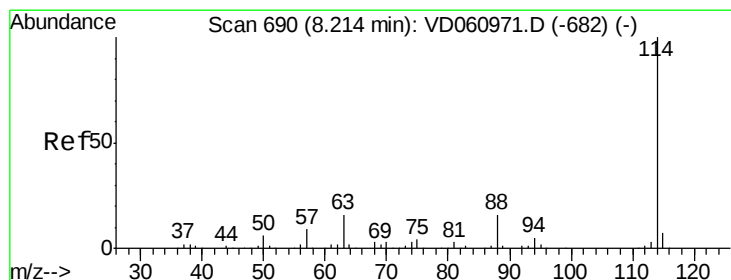
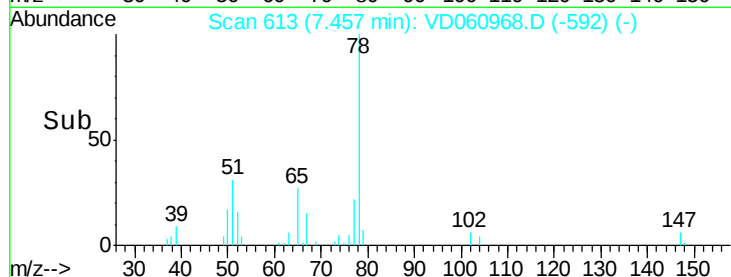
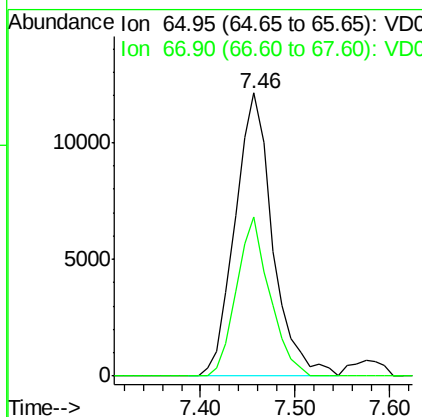
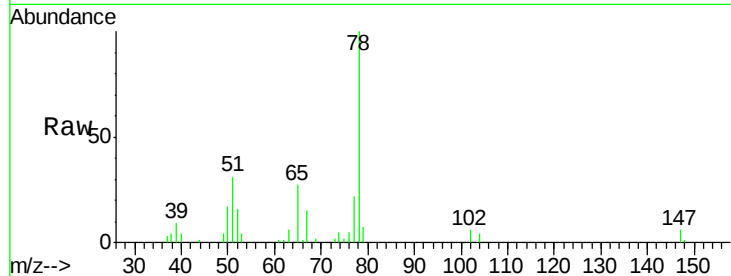
#33
 1,2-Dichloroethane-d4
 Concen: 4.903 ug/l
 RT: 7.46 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Tot Ion: 65 Resp: 33468
 Ion Ratio Lower Upper
 65 100
 67 56.4 0.0 105.2

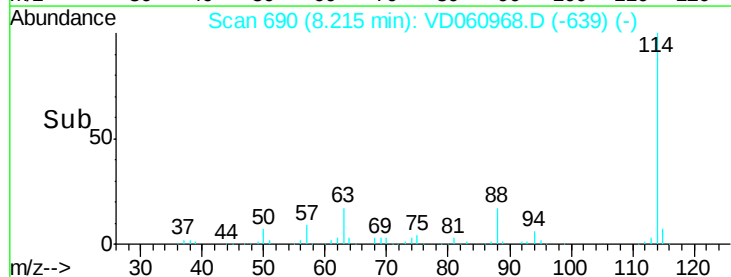
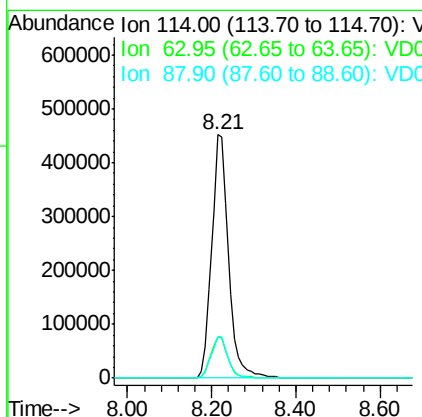
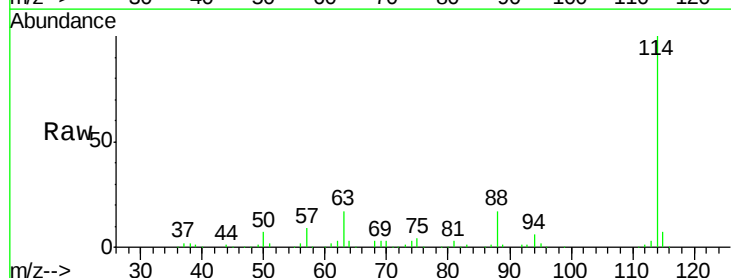
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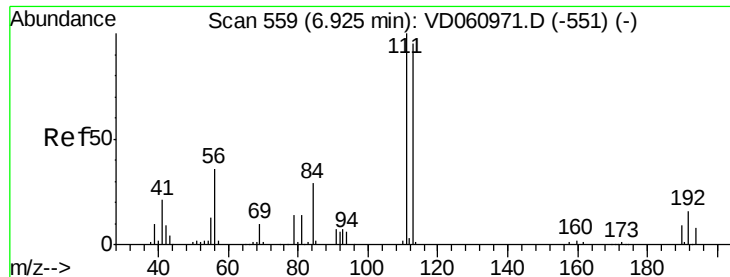
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 690
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Tgt Ion: 114 Resp: 1260698
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 31.4
 88 17.1 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: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:113 Resp: 47166

Ion Ratio Lower Upper

113 100

111 108.2 84.2 126.4

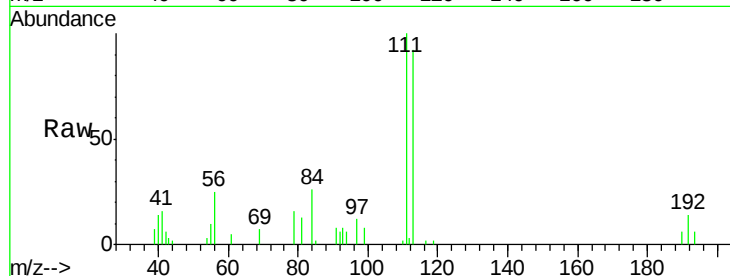
192 15.6 13.1 19.7

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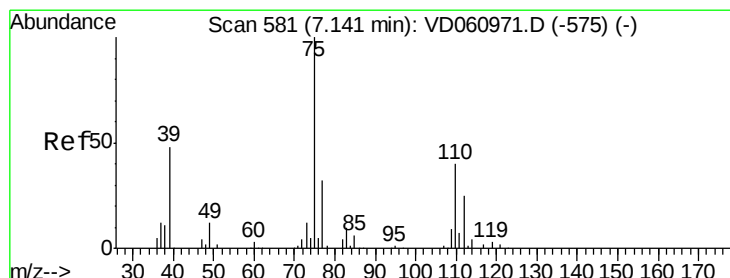
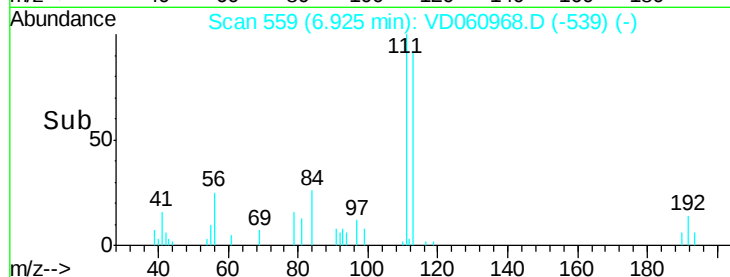
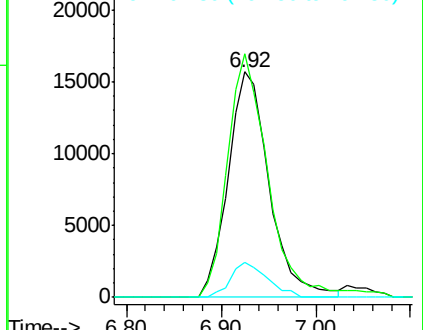
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Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 4.642 ug/l

RT: 7.15 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

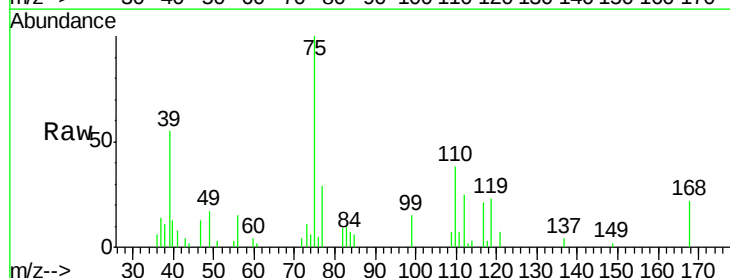
Tgt Ion: 75 Resp: 53662

Ion Ratio Lower Upper

75 100

110 37.9 19.7 59.1

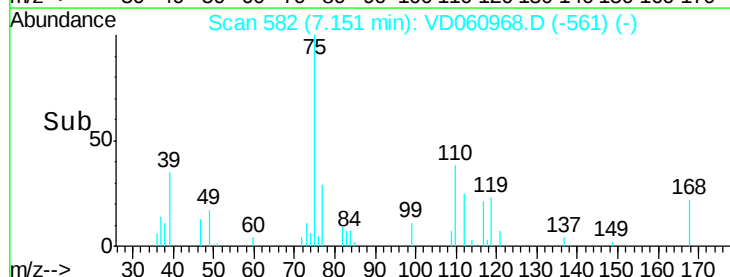
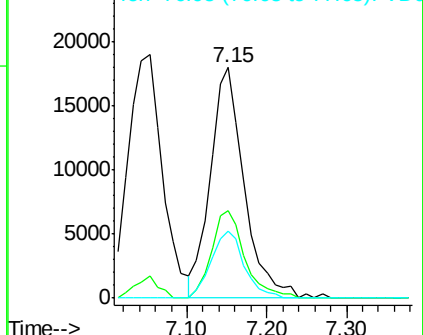
77 29.0 24.7 37.1

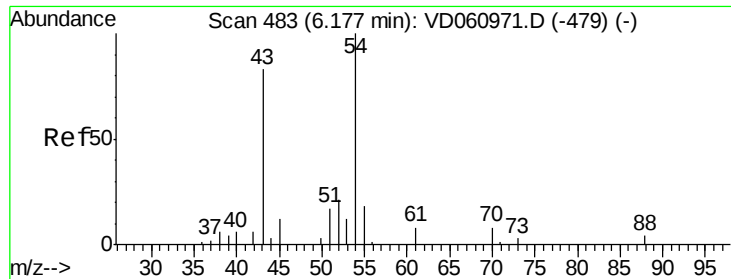


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





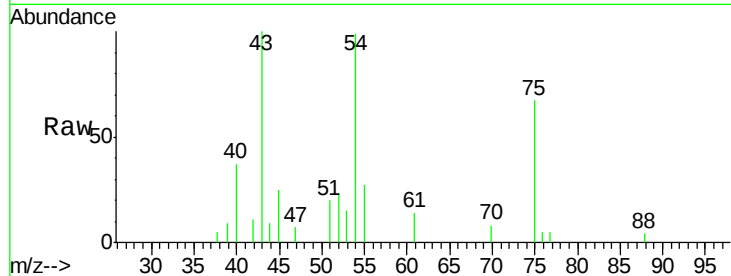
#37
Ethyl Acetate
Concen: 4.469 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

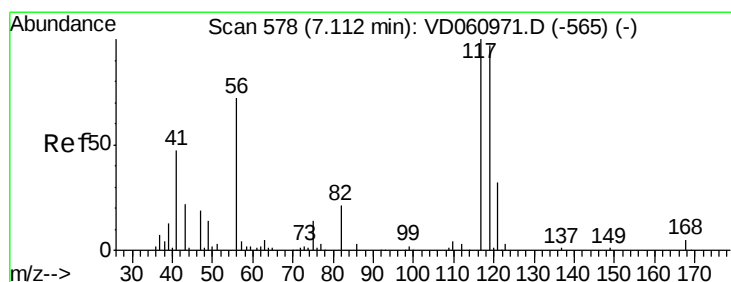
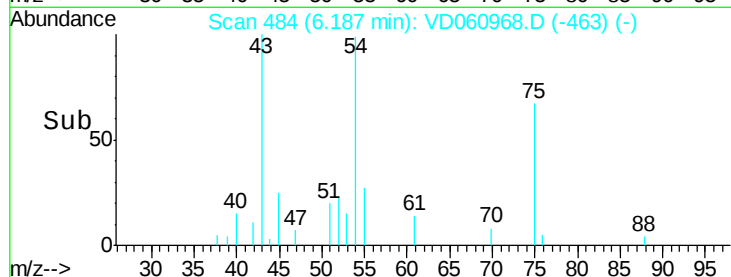
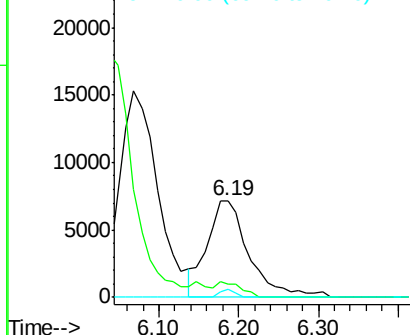
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	13.7	20.5
70	8.0	7.1	10.7

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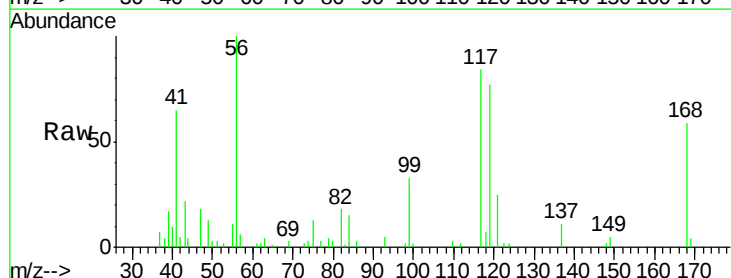


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

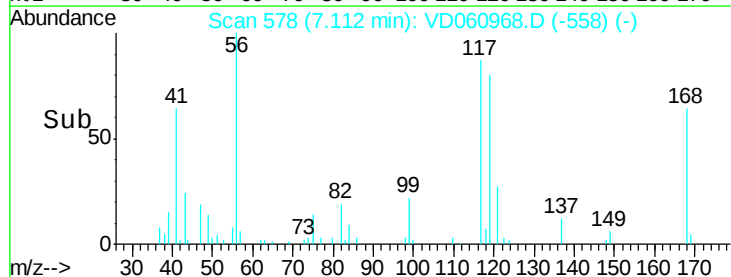
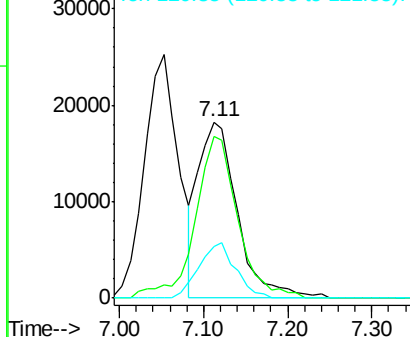


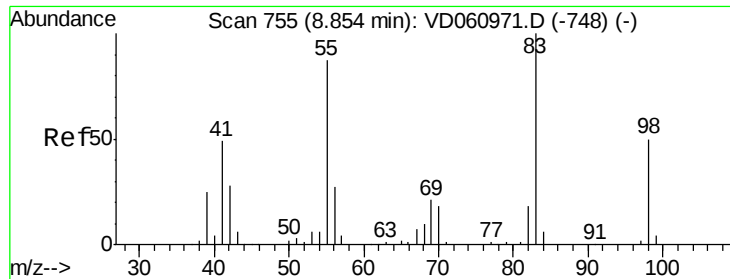
#38
Carbon Tetrachloride
Concen: 4.670 ug/l
RT: 7.11 min Scan# 578
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.1	77.8	116.8
121	29.4	25.3	37.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





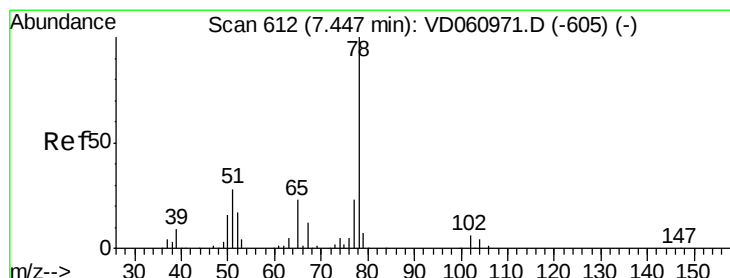
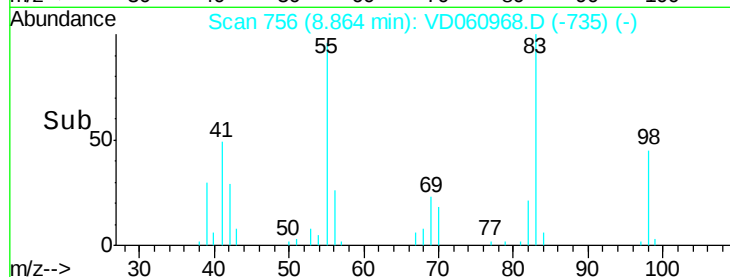
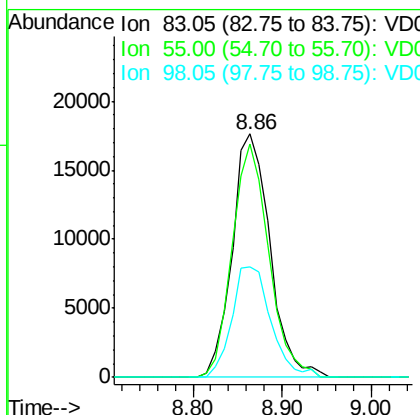
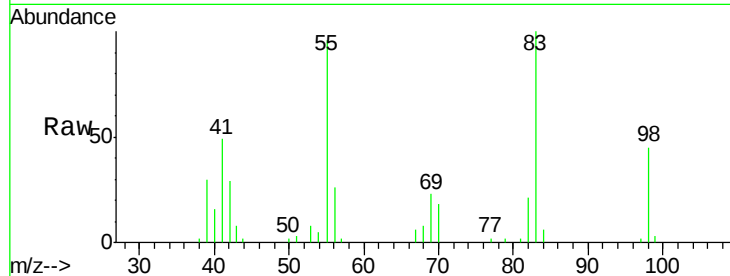
#39
Methvlcvclohexane
Concen: 4.136 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	52107
Ion Ratio	Lower	Upper	
83	100		
55	95.7	69.6	104.4
98	45.1	40.0	60.0

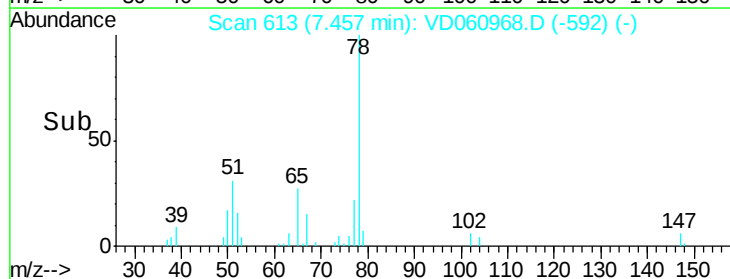
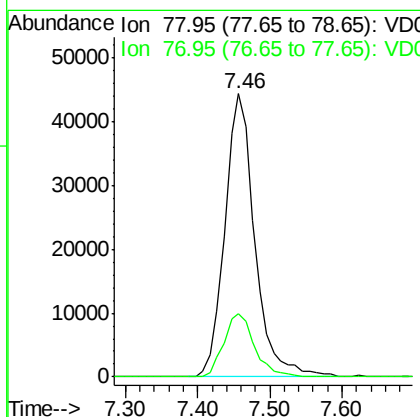
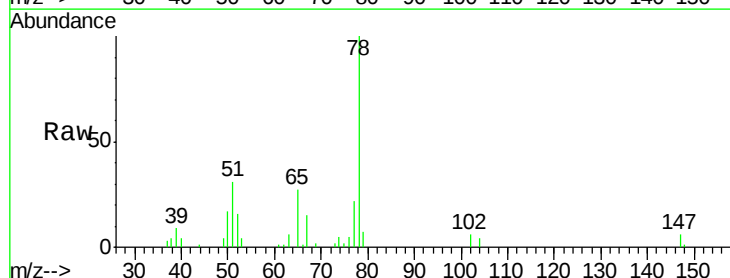
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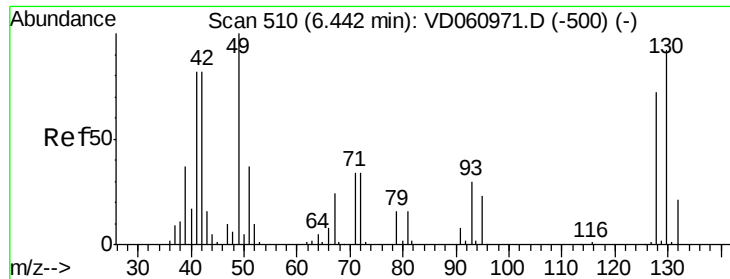
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#40
Benzene
Concen: 4.289 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion	78	Resp	127945
Ion Ratio	Lower	Upper	
78	100		
77	22.4	18.8	28.2





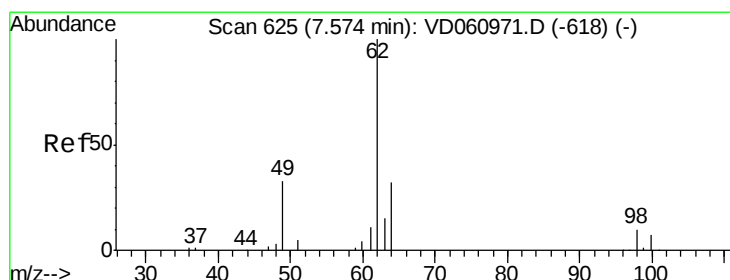
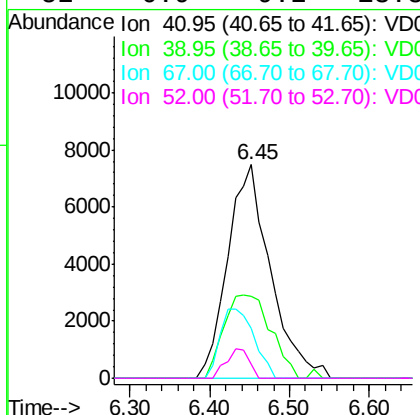
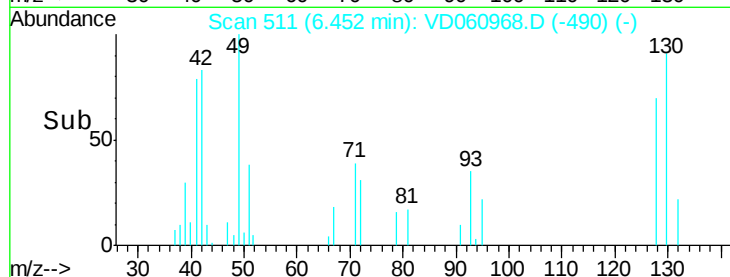
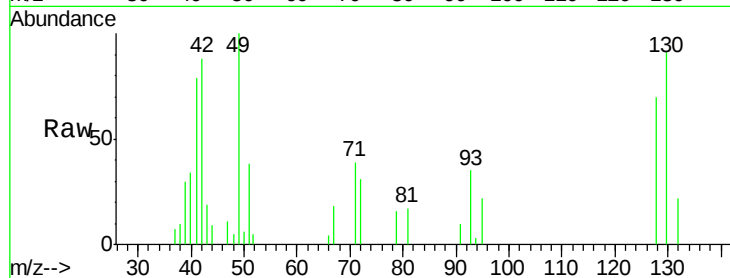
#41
Methacrylonitrile
Concen: 6.593 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	38.4	35.7	53.5
67	23.3	23.0	34.6
52	6.9	9.2	13.8

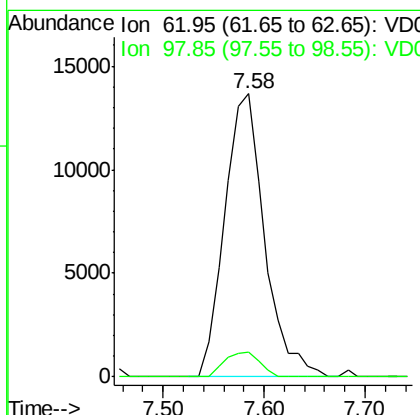
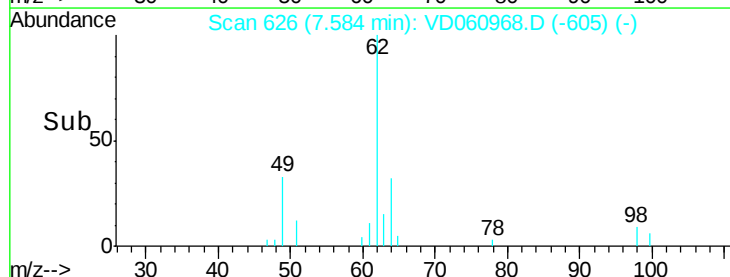
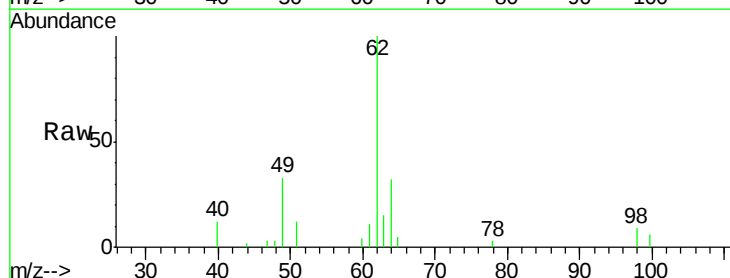
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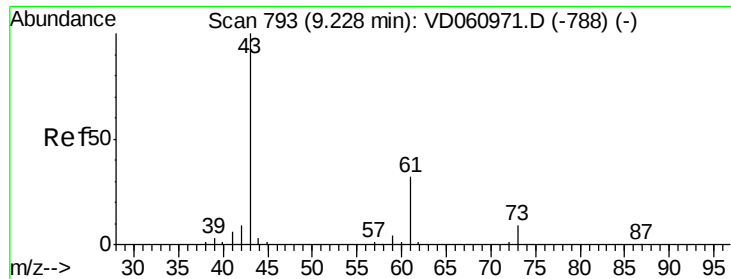
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#42
1,2-Dichloroethane
Concen: 4.440 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	20.4





#43

Isopropyl Acetate

Concen: 3.611 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

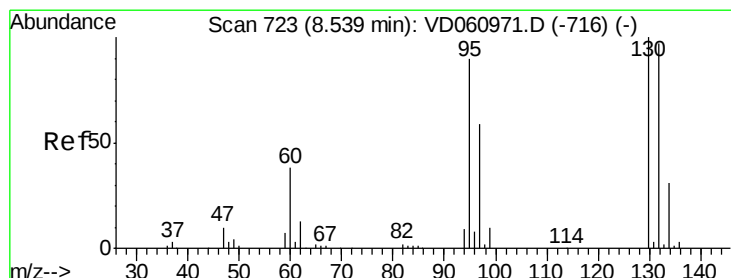
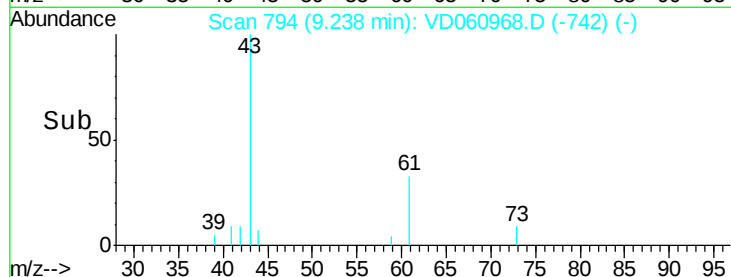
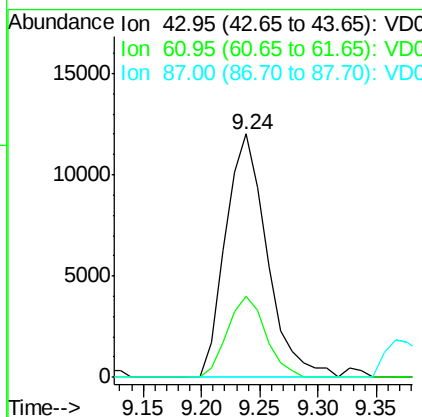
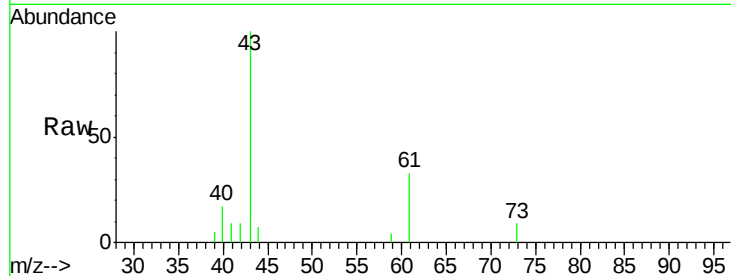
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	29682
Ion	Ratio	Lower	Upper
43	100		
61	33.0	25.6	38.4
87	0.0	0.2	0.4

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#44

Trichloroethene

Concen: 4.320 ug/l

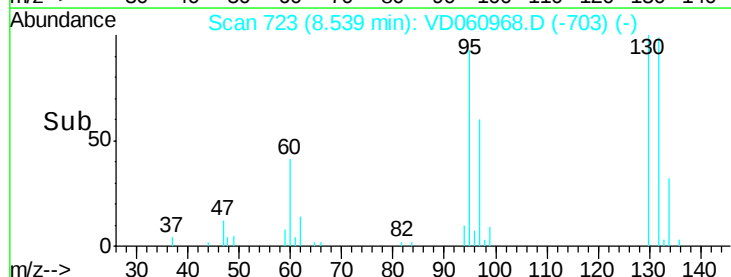
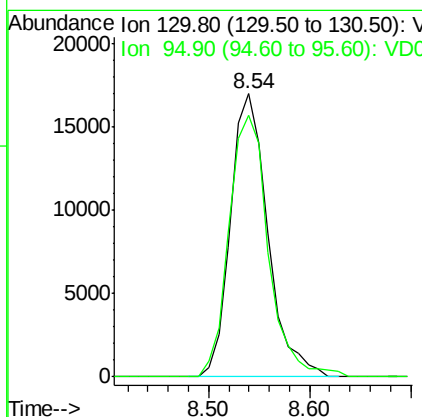
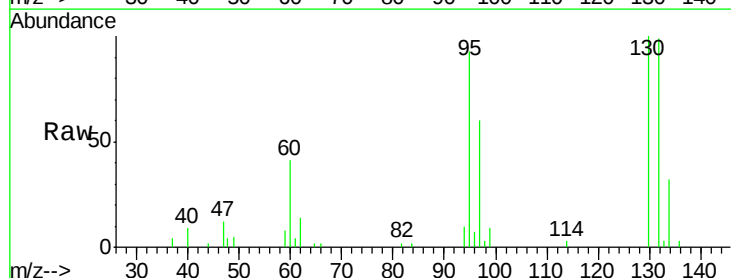
RT: 8.54 min Scan# 723

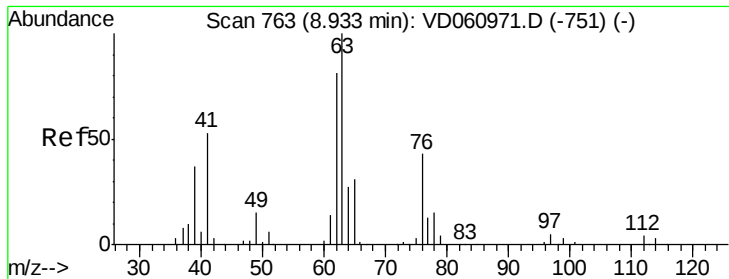
Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Tgt Ion:	130	Resp:	43722
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	179.4





#45

1,2-Dichloropropane

Concen: 4.203 ug/l

RT: 8.93 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 32947

Ion Ratio Lower Upper

63 100

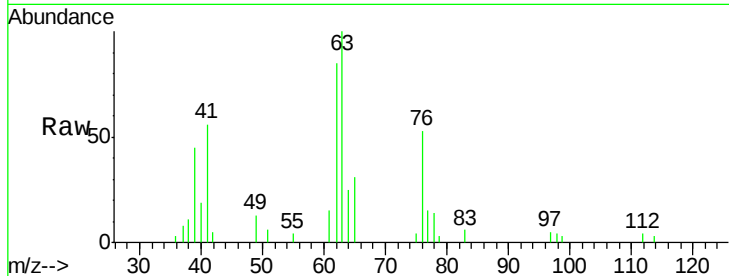
65 31.2 24.8 37.2

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

15000

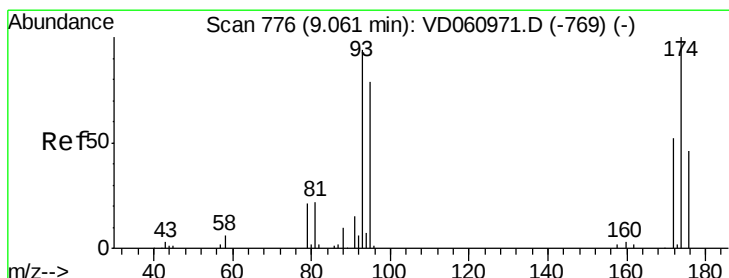
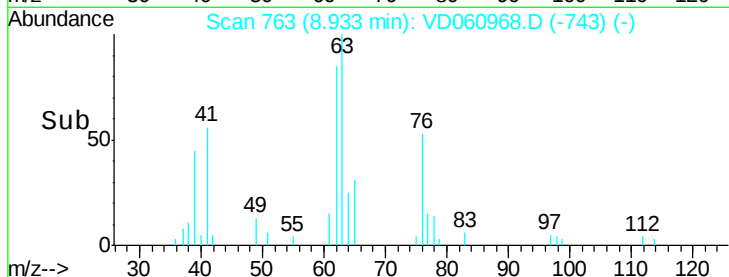
10000

5000

0

8.90 8.93 9.00

Time-->



#46

Dibromomethane

Concen: 4.268 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

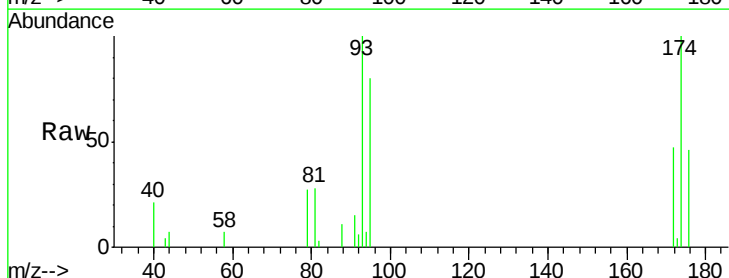
Tgt Ion: 93 Resp: 21400

Ion Ratio Lower Upper

93 100

95 80.6 67.4 101.0

174 100.4 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

12000

10000

8000

6000

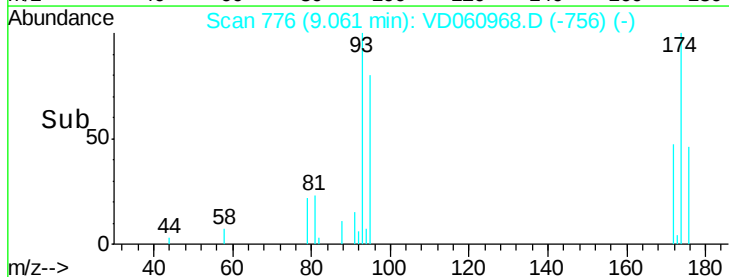
4000

2000

0

9.00 9.06 9.10 9.15

Time-->





#47

Bromodichloromethane

Concen: 4.365 ug/l

RT: 9.38 min Scan# 808

Delta R.T. 0.01 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

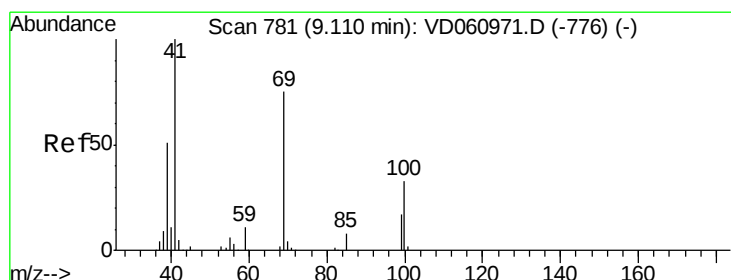
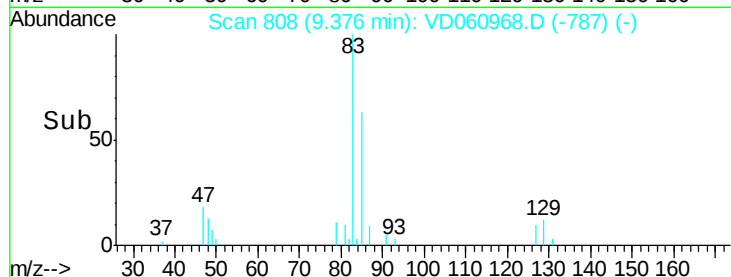
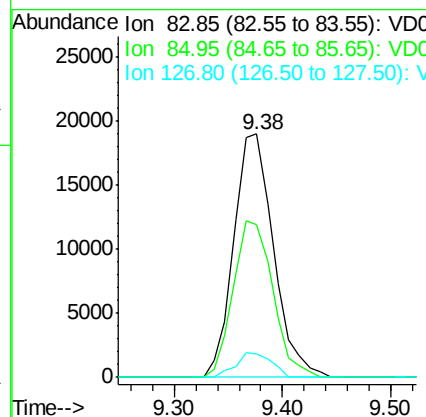
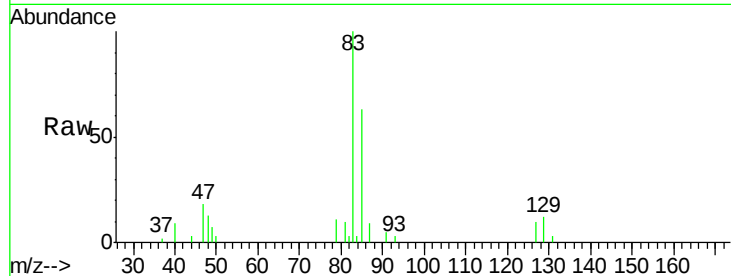
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	48576
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.5	78.7
127	9.7	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 3.940 ug/l

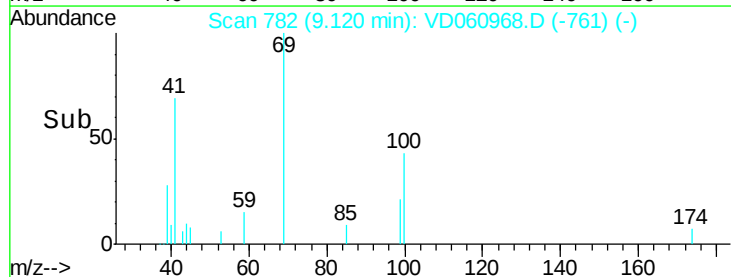
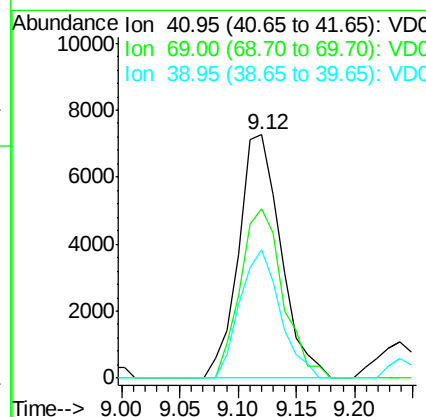
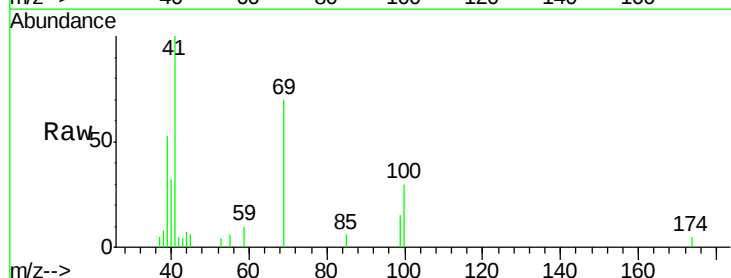
RT: 9.12 min Scan# 782

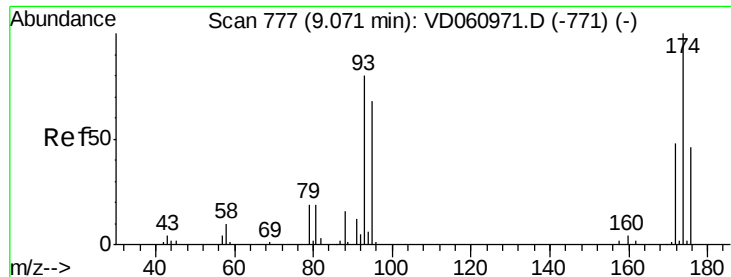
Delta R.T. 0.01 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Tgt Ion:	41	Resp:	18306
Ion	Ratio	Lower	Upper
41	100		
69	69.6	59.9	89.9
39	52.7	40.9	61.3





#49

1,4-Dioxane

Concen: 74.271 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 88 Resp: 3542

Ion Ratio Lower Upper

88 100

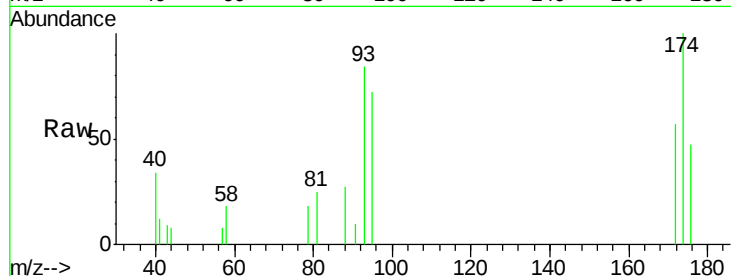
43 34.5 21.0 31.6#

58 64.5 48.6 72.8

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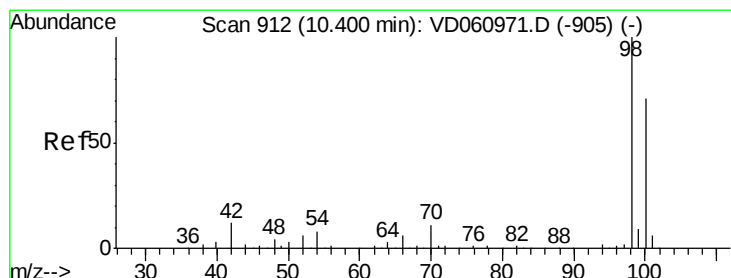
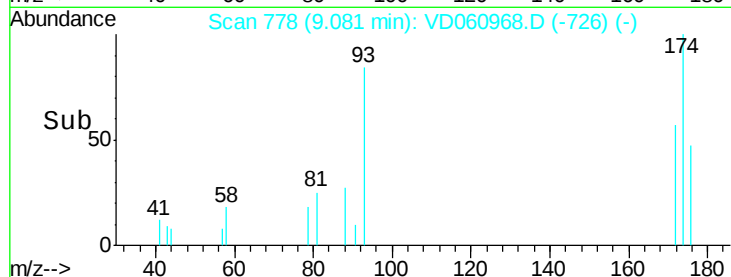
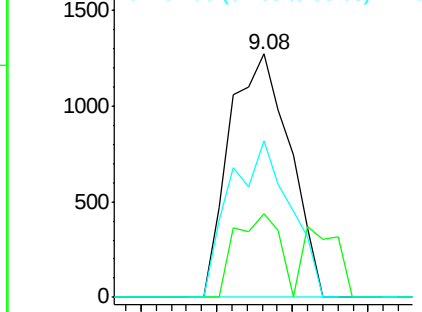
3/8/2019 9:46:23 PM



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 74.271 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.01 min

Lab File: VD060968.D

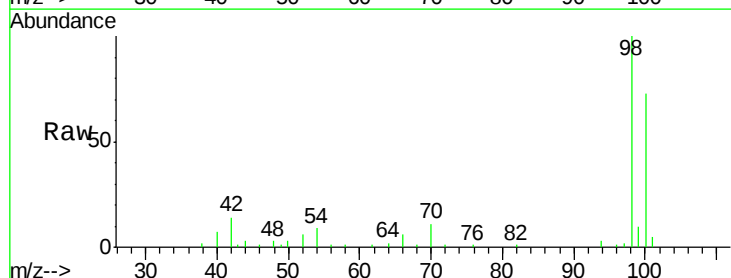
Acq: 7 Mar 2019 14:39

Tgt Ion: 98 Resp: 123680

Ion Ratio Lower Upper

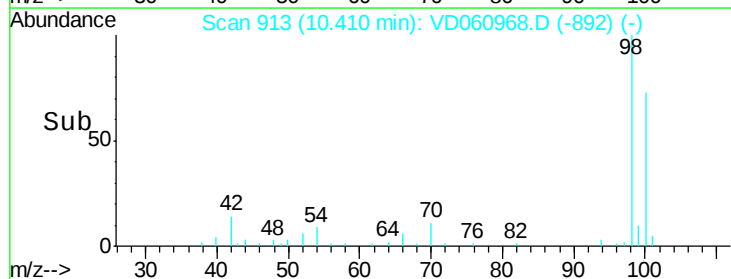
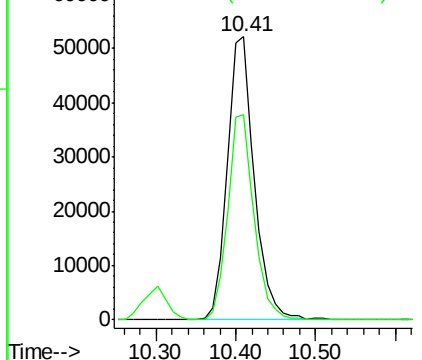
98 100

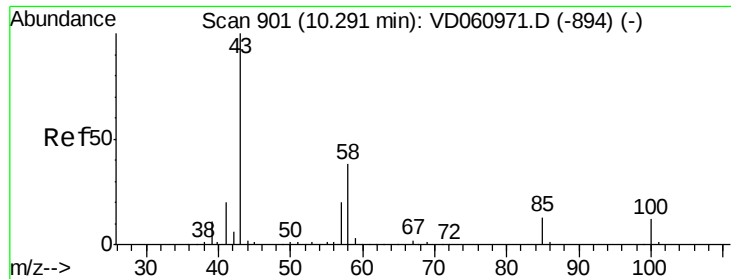
100 72.8 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 21.090 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 105833

Ion Ratio Lower Upper

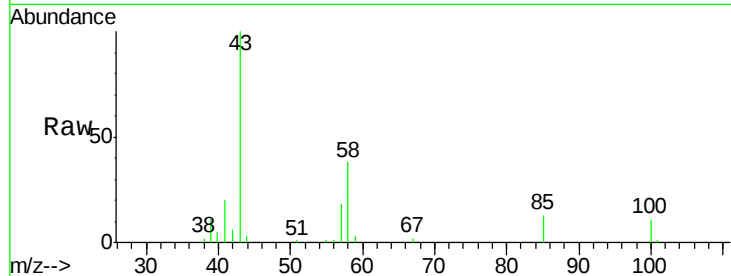
43 100

58 38.3 30.2 45.2

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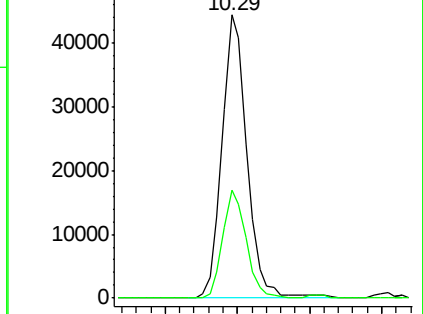
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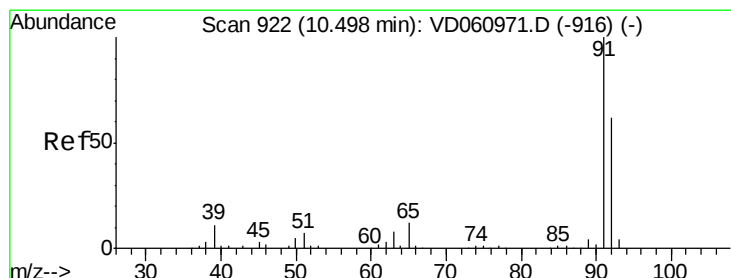
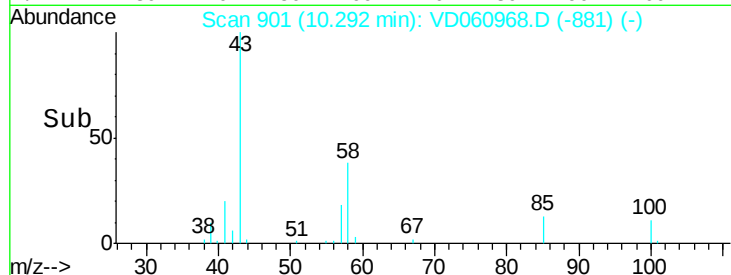


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 4.613 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.01 min

Lab File: VD060968.D

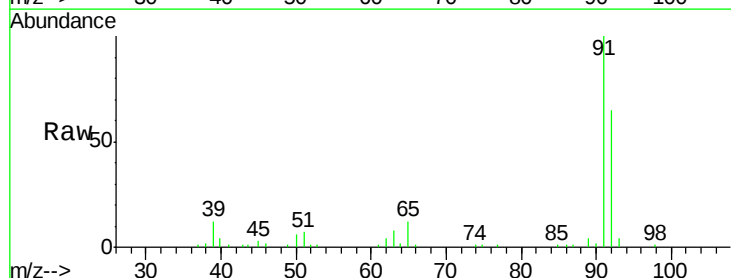
Acq: 7 Mar 2019 14:39

Tgt Ion: 92 Resp: 87566

Ion Ratio Lower Upper

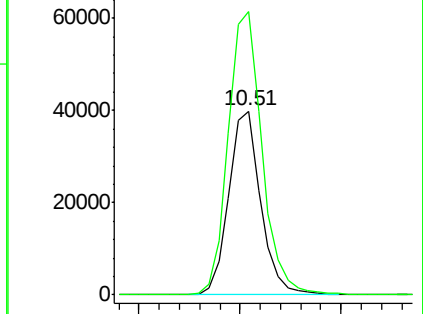
92 100

91 153.7 129.8 194.8

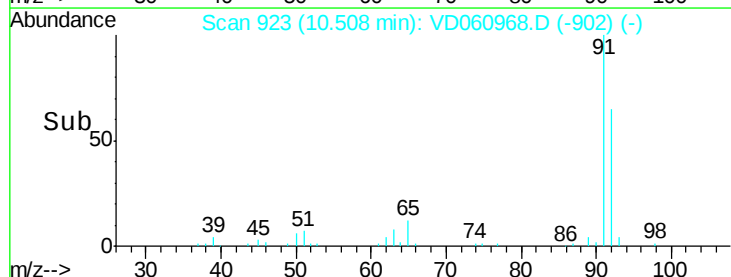


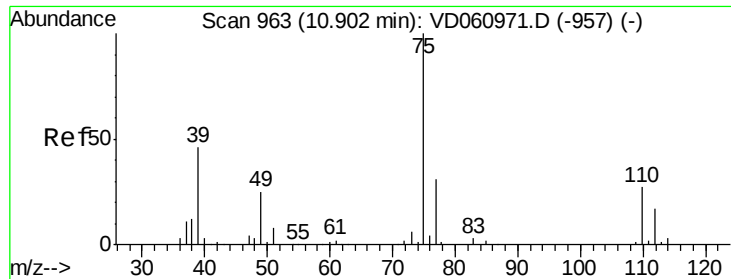
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





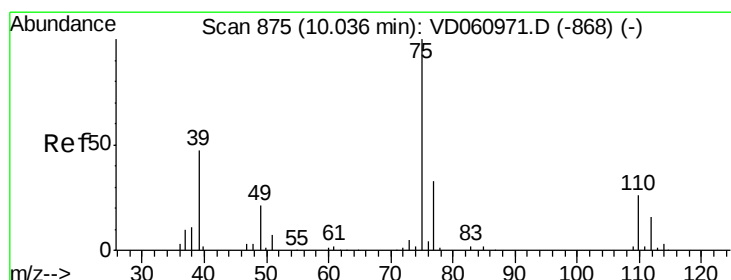
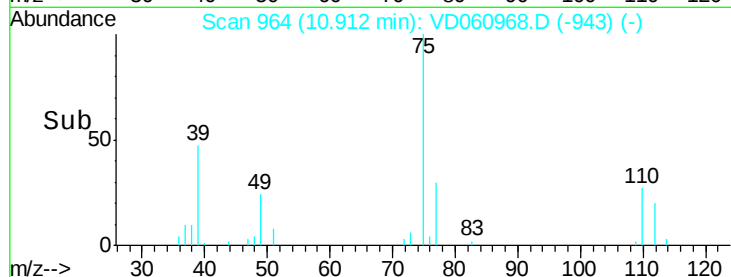
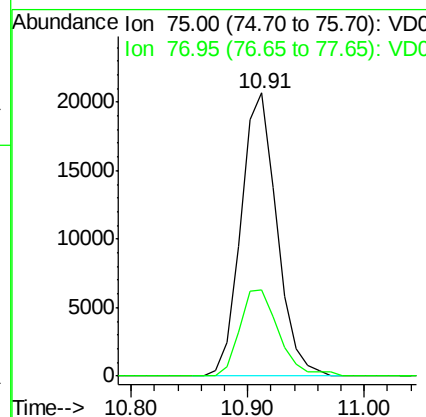
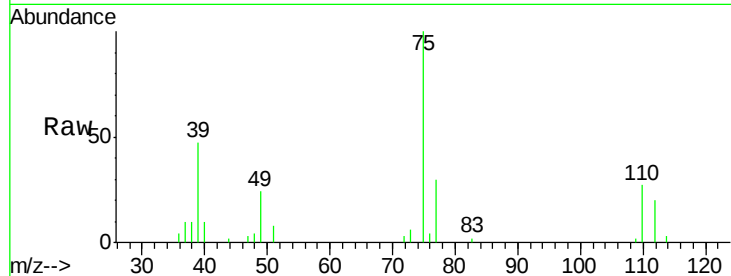
#53
 t-1,3-Dichloropropene
 Concen: 4.354 ug/l
 RT: 10.91 min Scan# 964
 Delta R.T. 0.01 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 44027
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.7 37.1

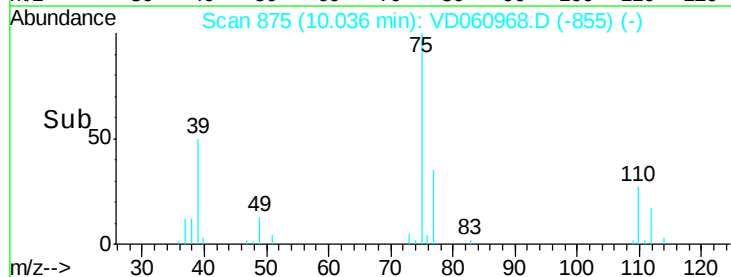
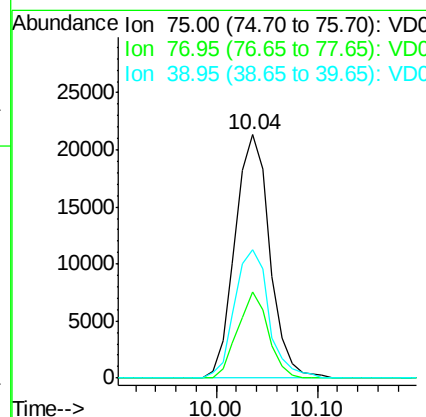
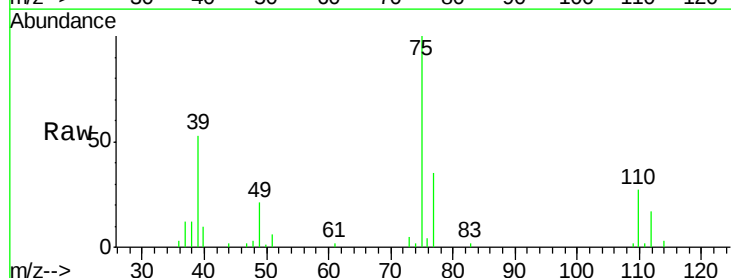
Manual Integrations
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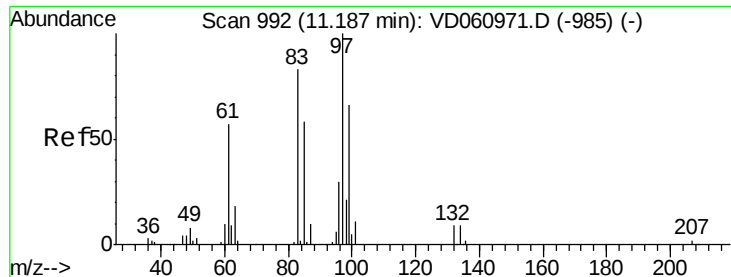
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#54
 cis-1,3-Dichloropropene
 Concen: 4.132 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Tgt Ion: 75 Resp: 51243
 Ion Ratio Lower Upper
 75 100
 77 35.2 26.2 39.4
 39 52.7 37.8 56.8





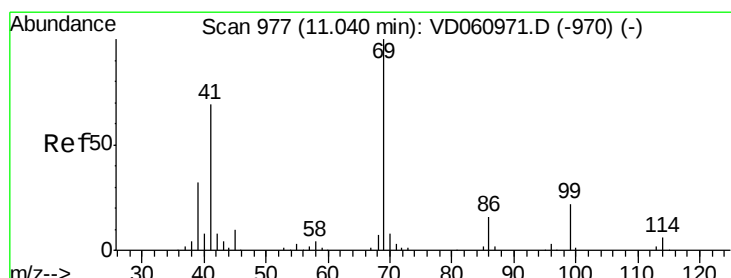
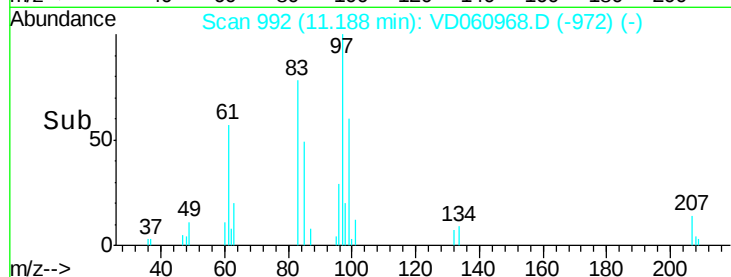
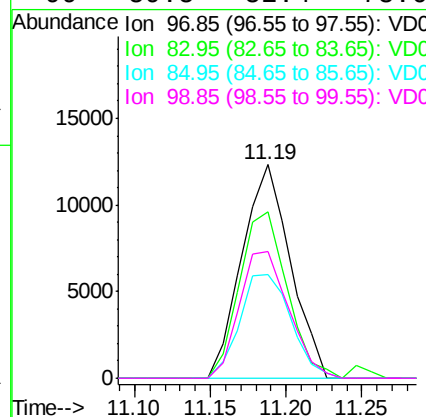
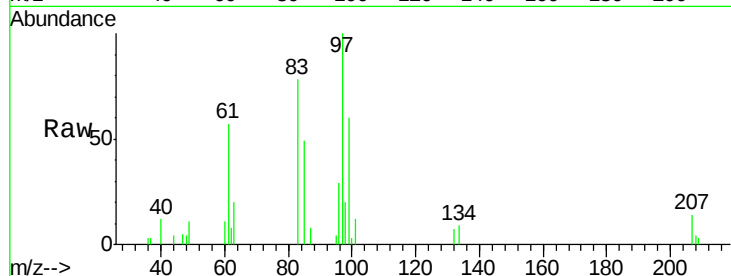
#55
 1,1,2-Trichloroethane
 Concen: 4.375 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	77.7	66.6	100.0
85	48.8	46.4	69.6
99	59.5	52.4	78.6

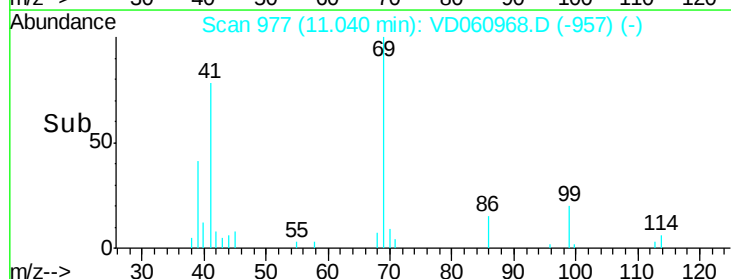
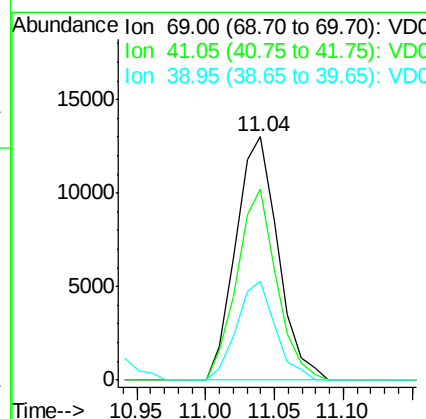
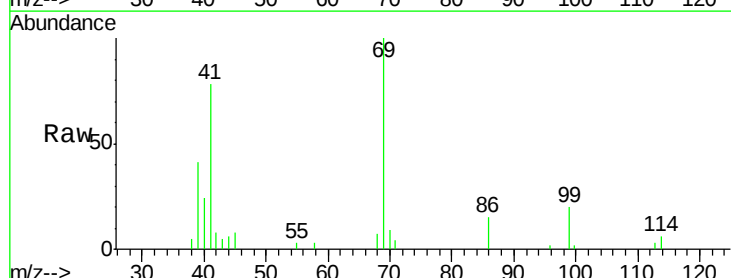
Manual Integrations
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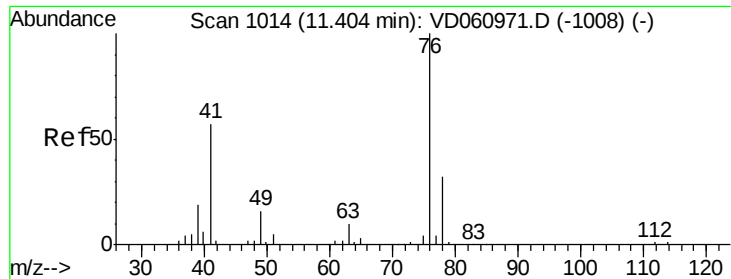
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#56
 Ethyl methacrylate
 Concen: 4.218 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.5	55.5	83.3
39	40.8	26.2	39.2





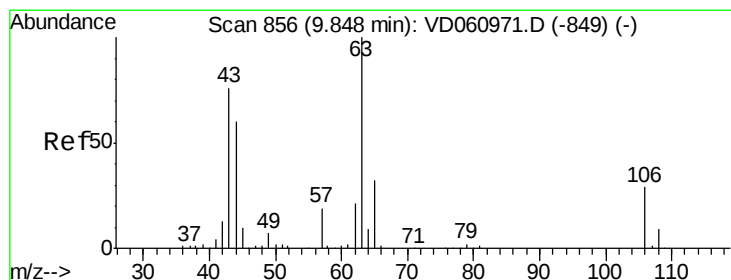
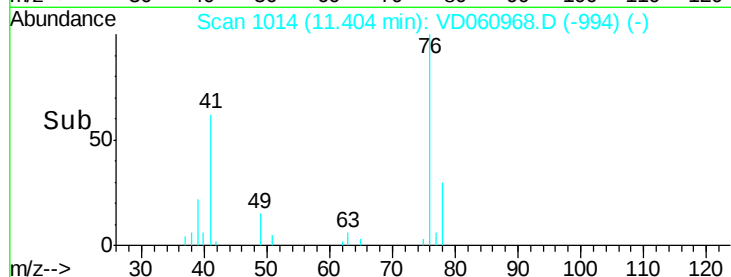
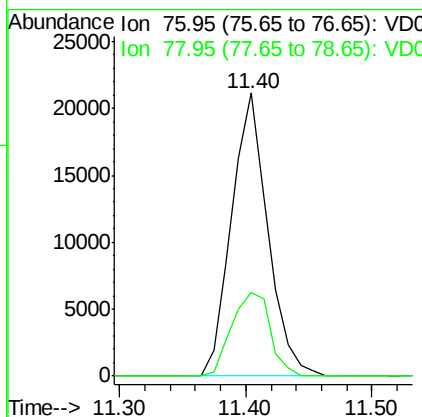
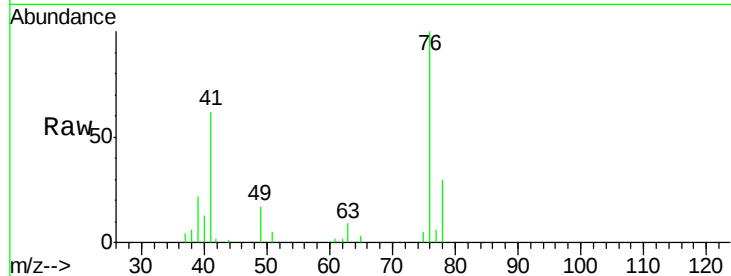
#57
 1,3-Dichloropropane
 Concen: 4.622 ug/l
 RT: 11.40 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 41937
 Ion Ratio Lower Upper
 76 100
 78 29.6 25.4 38.0

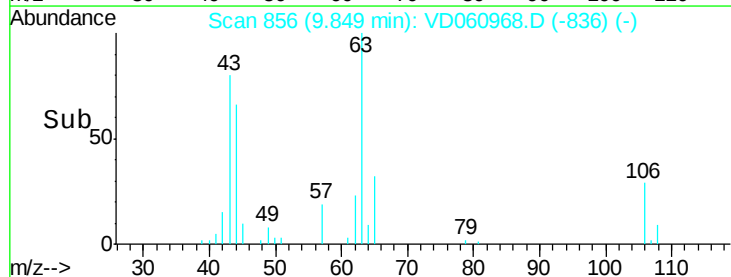
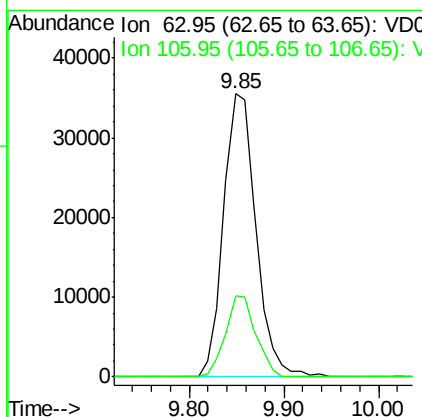
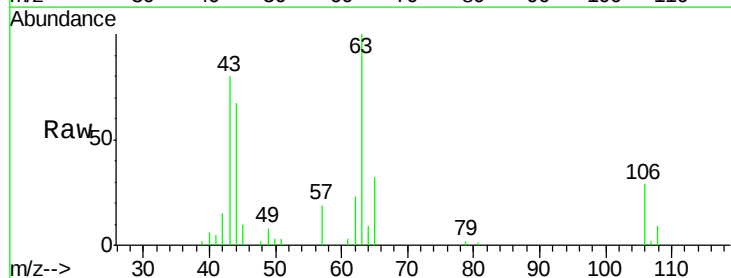
Manual Integrations
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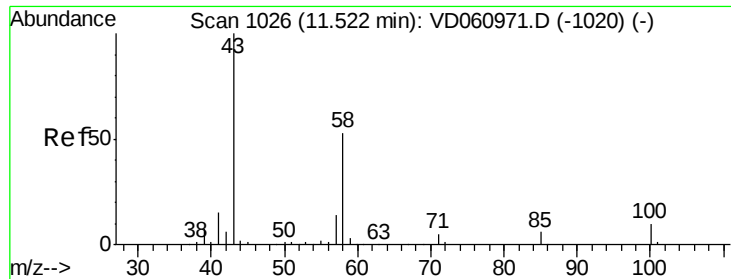
MMDadoda
 3/8/2019 9:46:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.912 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Tgt Ion: 63 Resp: 84355
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.8 34.2





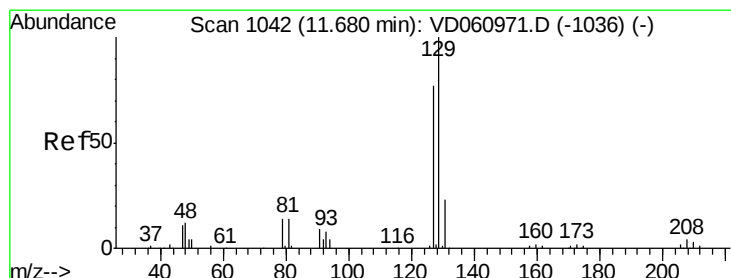
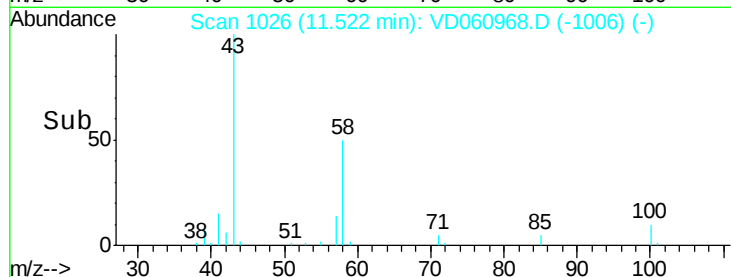
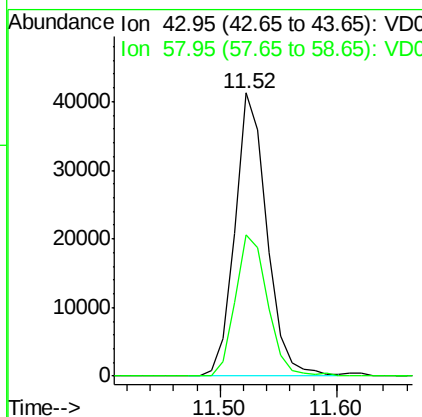
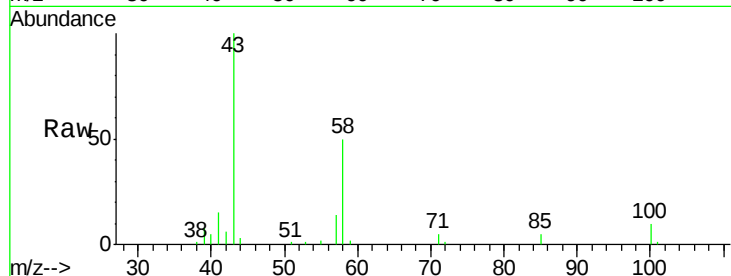
#59
2-Hexanone
Concen: 22.246 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 78338
Ion Ratio Lower Upper
43 100
58 49.7 26.5 79.5

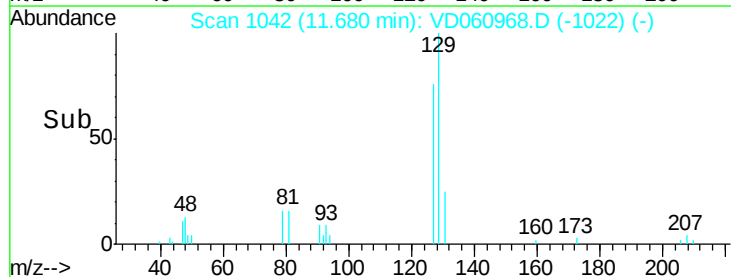
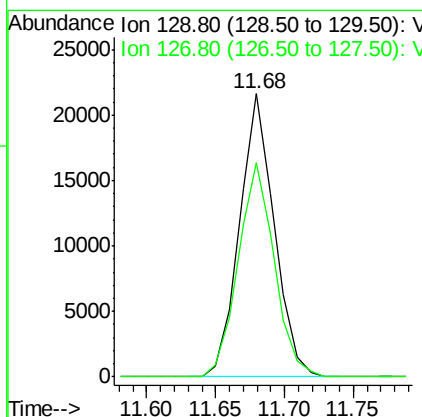
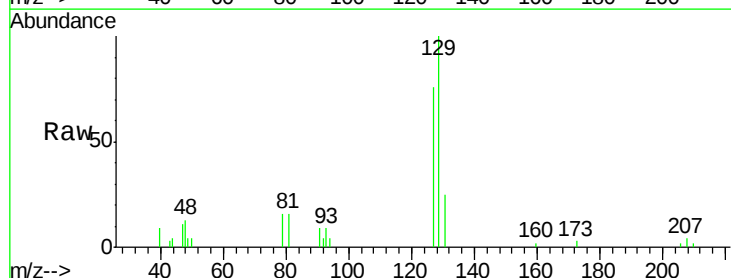
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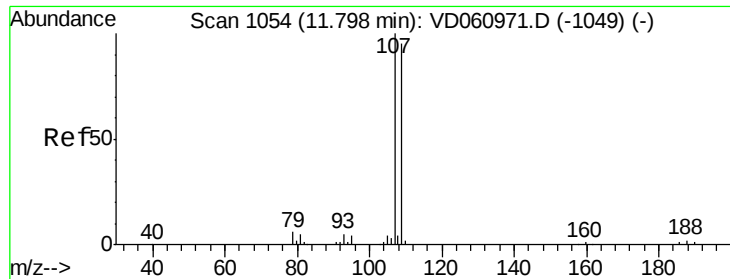
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#60
Dibromochloromethane
Concen: 4.173 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion:129 Resp: 37843
Ion Ratio Lower Upper
129 100
127 75.7 38.3 114.9





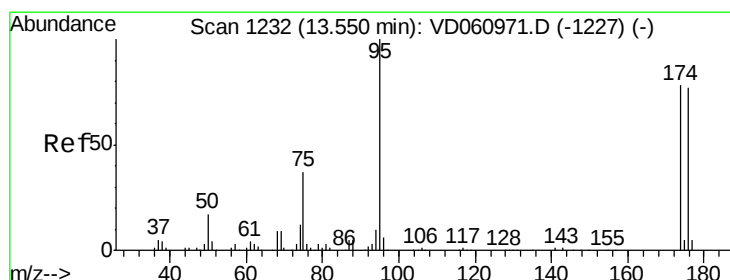
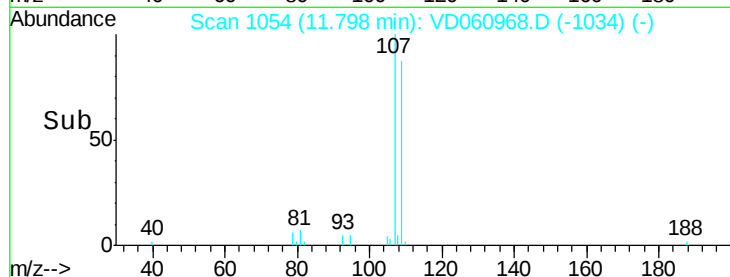
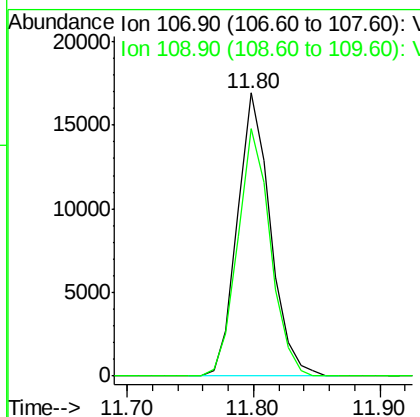
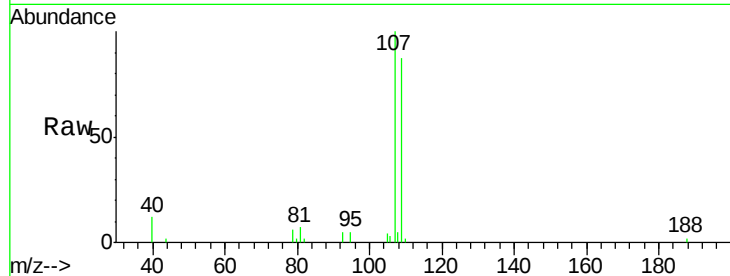
#61
 1,2-Dibromoethane
 Concen: 4.151 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 30618
 Ion Ratio Lower Upper
 107 100
 109 87.4 75.6 113.4

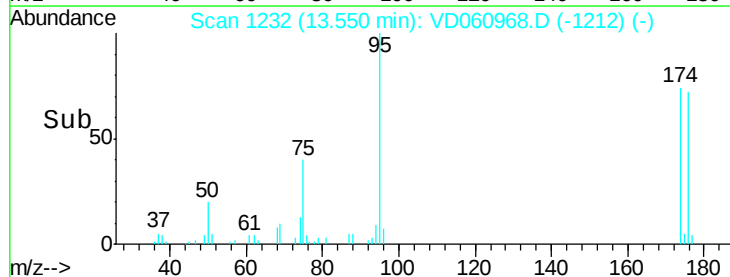
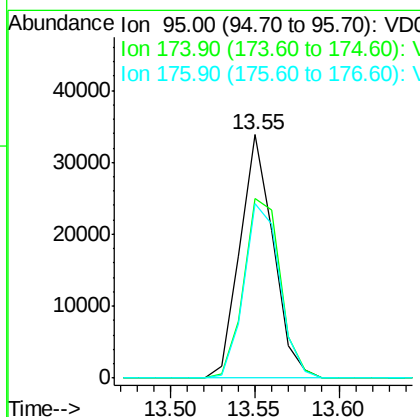
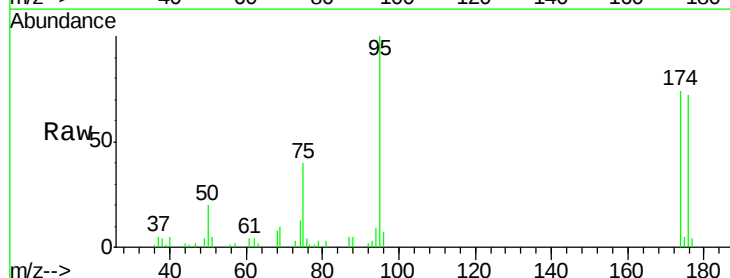
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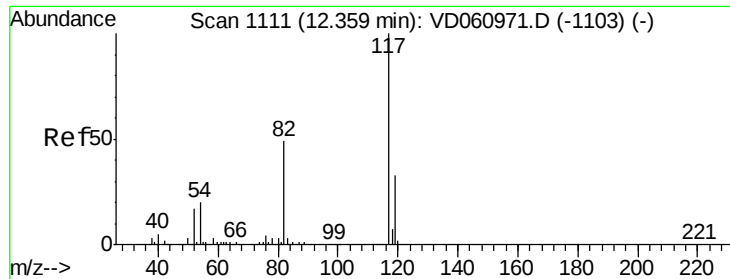
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#62
 4-Bromofluorobenzene
 Concen: 4.151 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Tgt Ion: 95 Resp: 46350
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 155.6
 176 71.8 0.0 153.8





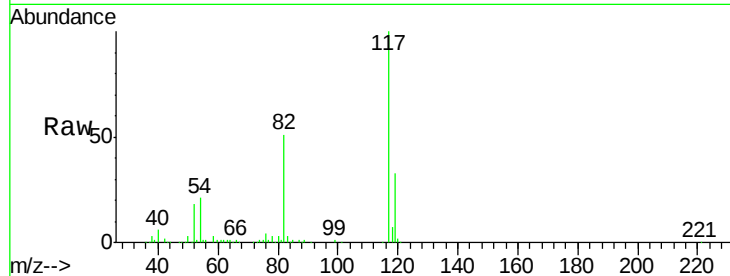
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

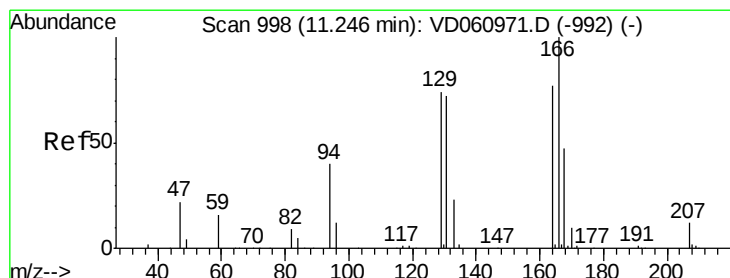
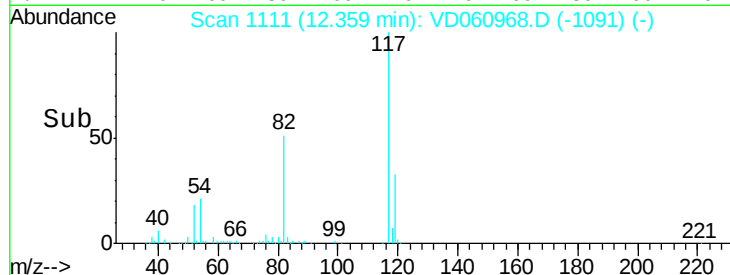
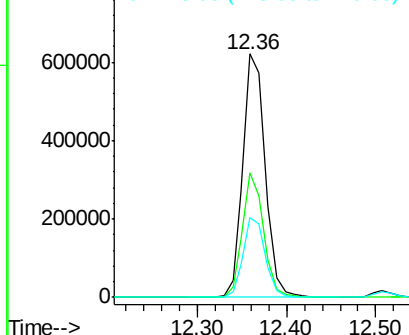
Tot Ion:117 Resp: 1078976
Ion Ratio Lower Upper
117 100
82 51.4 38.9 58.3
119 32.6 26.6 39.8

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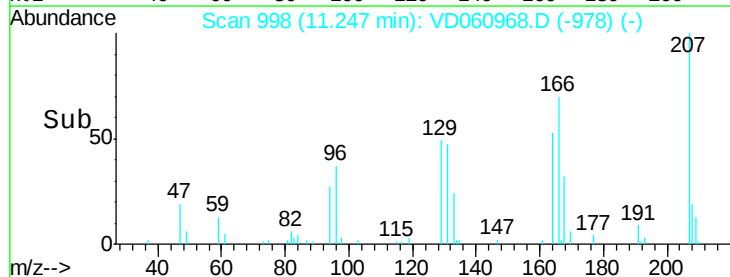
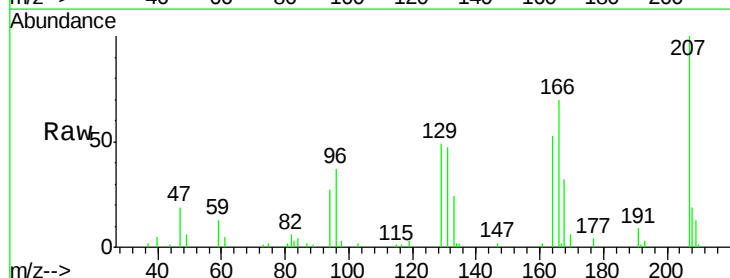
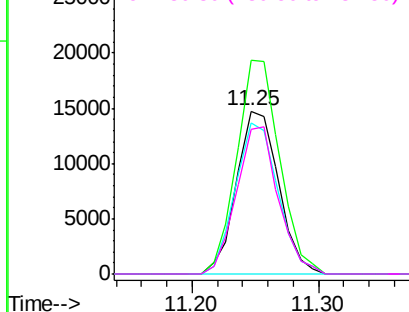
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

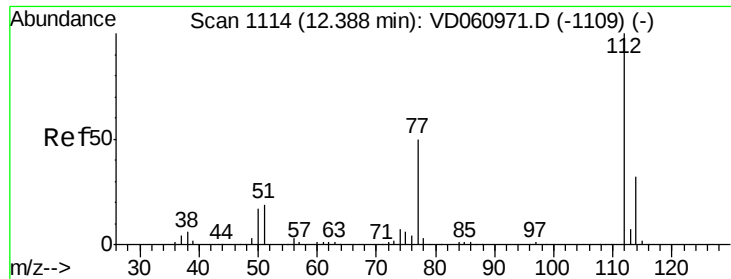


#64
Tetrachloroethene
Concen: 4.183 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion:164 Resp: 34127
Ion Ratio Lower Upper
164 100
166 131.1 103.4 155.0
129 93.0 76.9 115.3
131 88.9 74.4 111.6

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





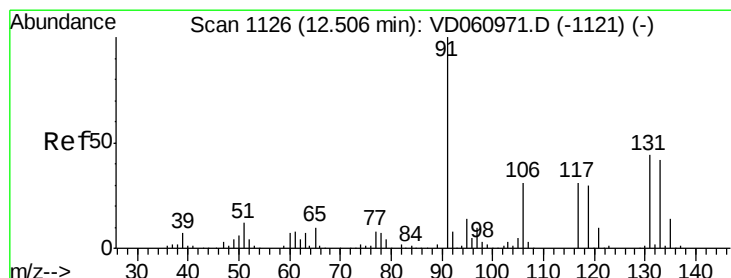
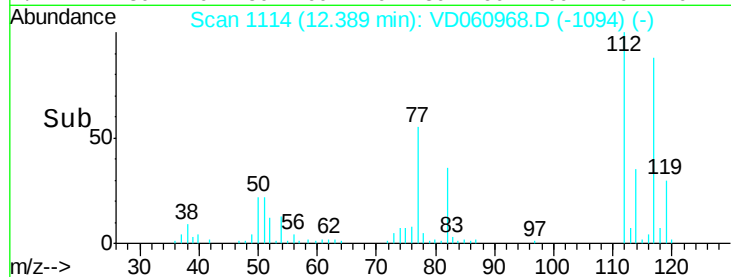
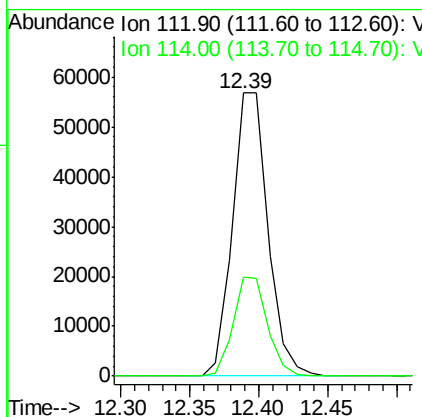
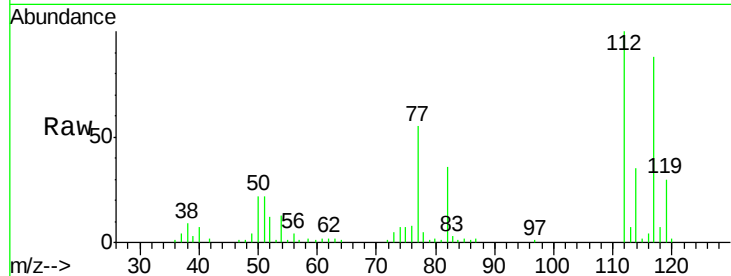
#65
Chlorobenzene
Concen: 4.304 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 101714
Ion Ratio Lower Upper
112 100
114 34.9 26.0 39.0

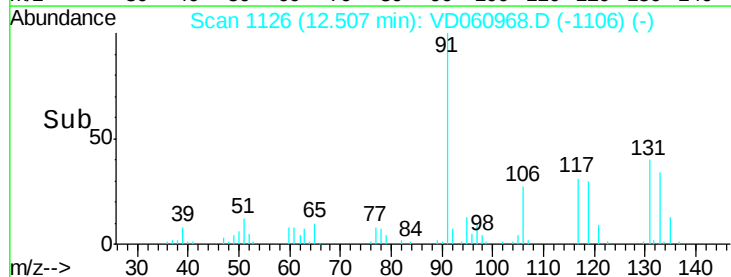
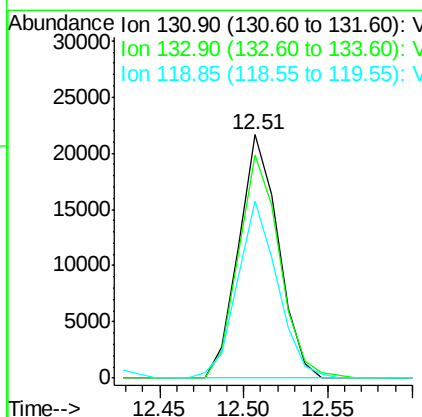
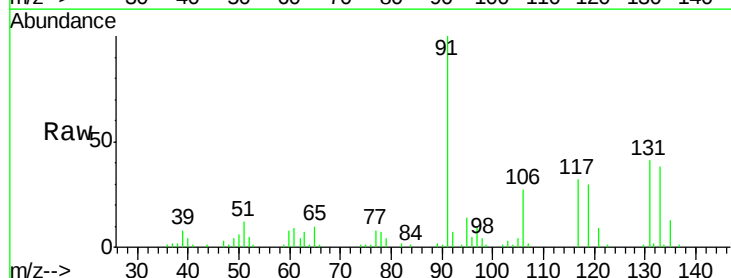
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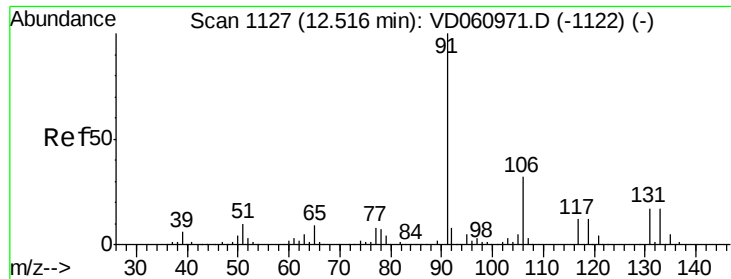
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.135 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion:131 Resp: 35348
Ion Ratio Lower Upper
131 100
133 91.7 47.8 143.3
119 72.8 34.3 102.9





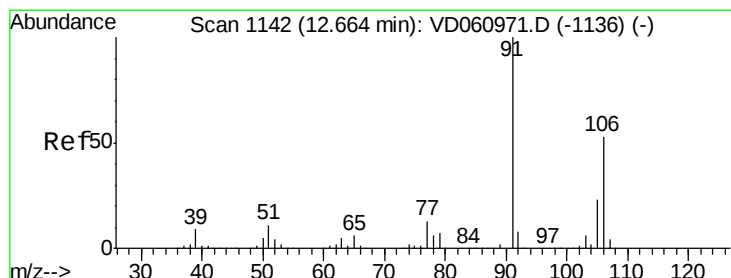
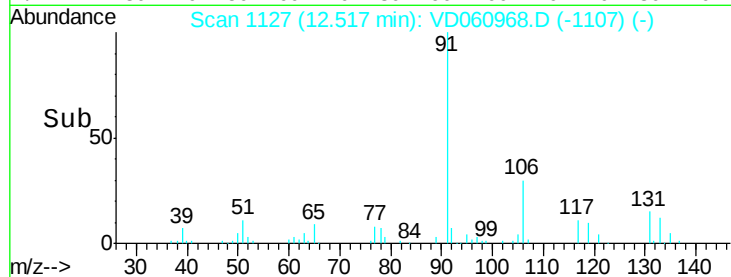
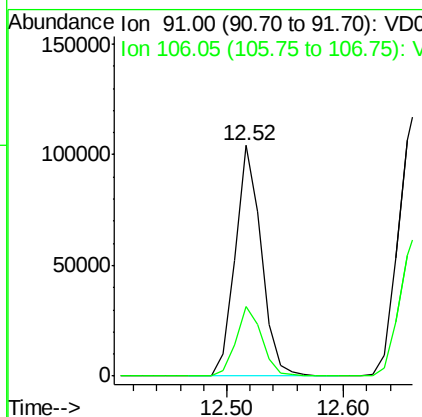
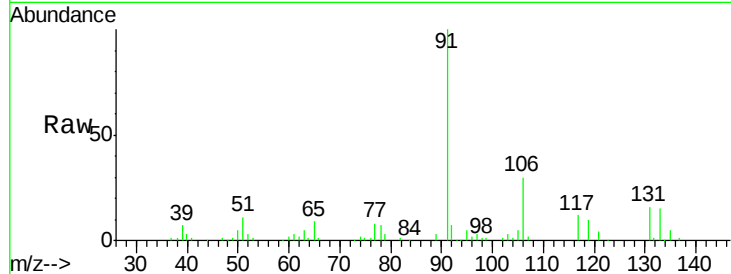
#67
Ethyl Benzene
Concen: 4.657 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 161008
Ion Ratio Lower Upper
91 100
106 30.0 25.7 38.5

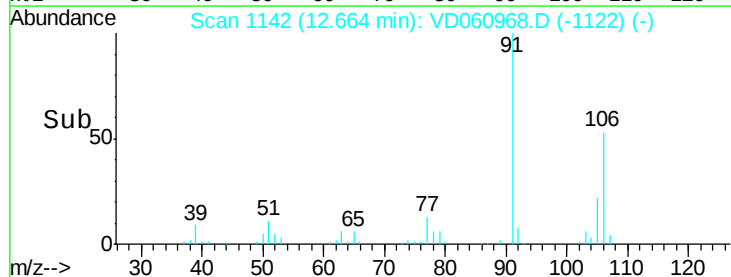
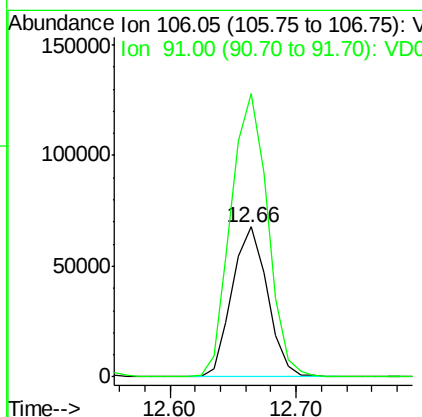
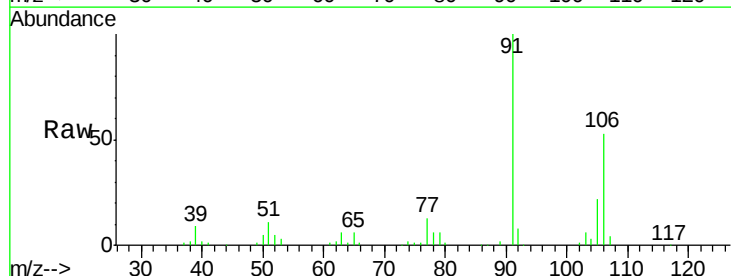
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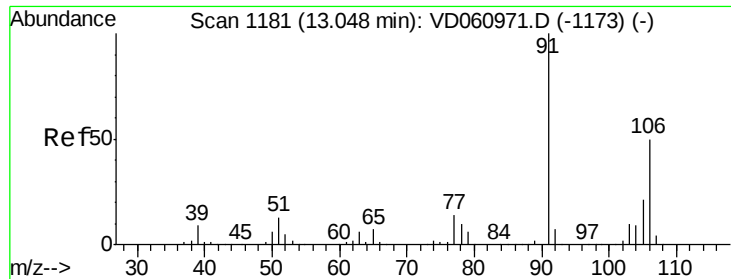
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#68
m/p-Xylenes
Concen: 9.481 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion: 106 Resp: 131445
Ion Ratio Lower Upper
106 100
91 188.5 152.0 228.0





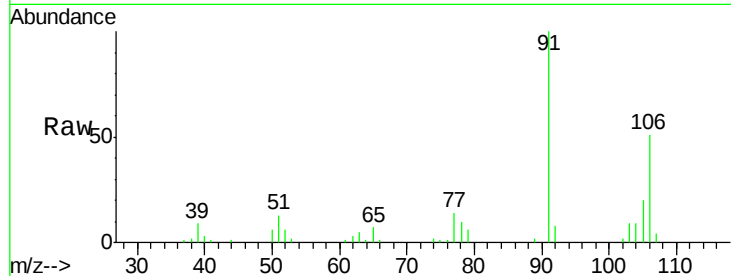
#69
o-Xylene
Concen: 4.764 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

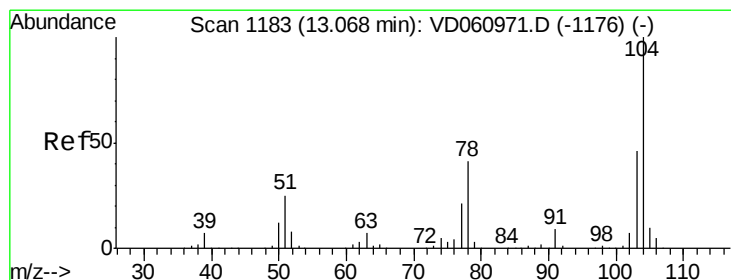
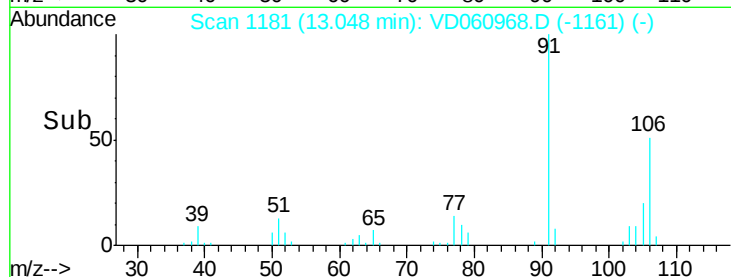
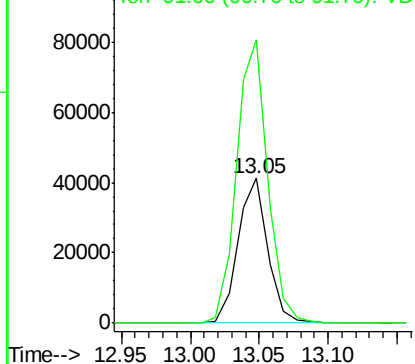
Tot Ion:106 Resp: 61427
Ion Ratio Lower Upper
106 100
91 195.4 99.8 299.3

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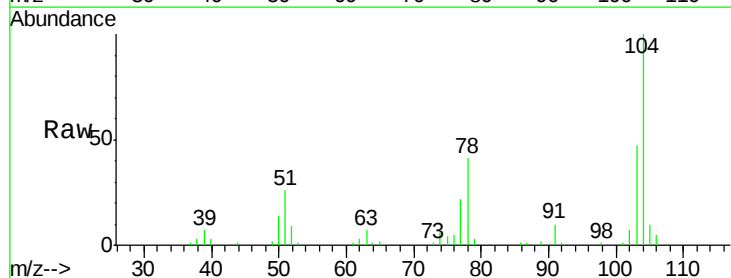


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

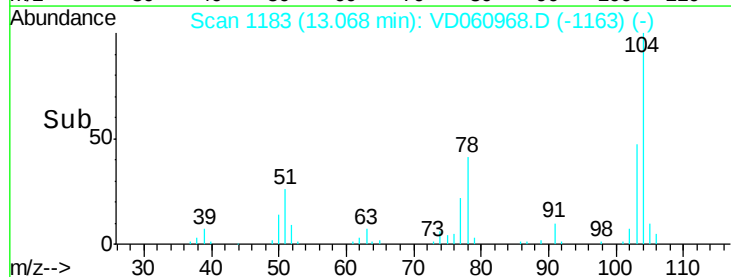
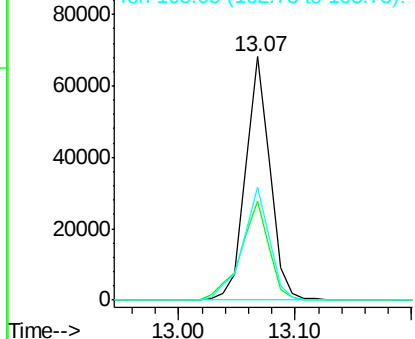


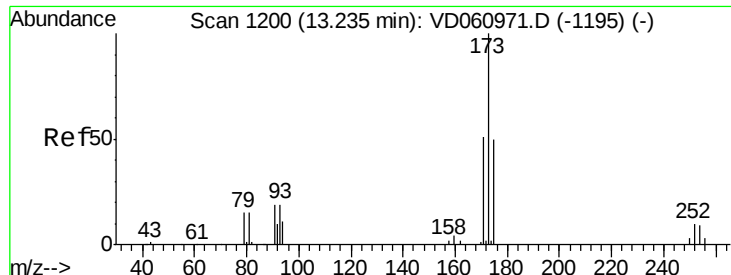
#70
Styrene
Concen: 4.585 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion:104 Resp: 98675
Ion Ratio Lower Upper
104 100
78 40.7 33.0 49.4
103 46.6 37.1 55.7



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





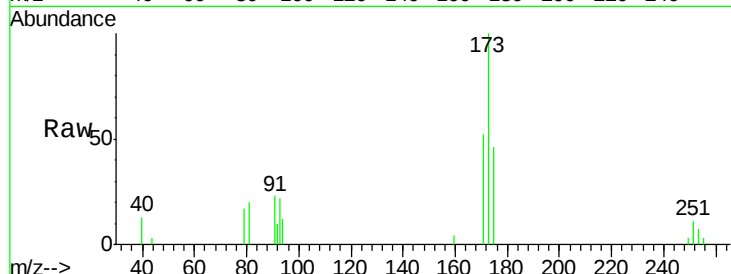
#71
Bromoform
Concen: 3.778 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

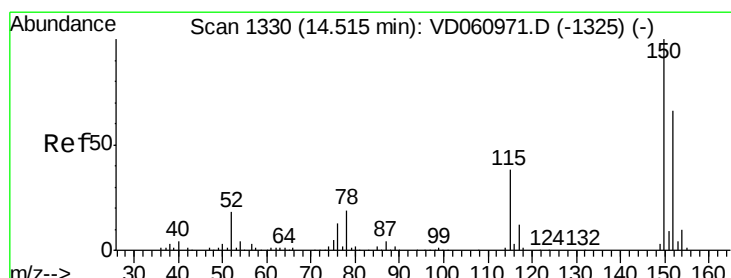
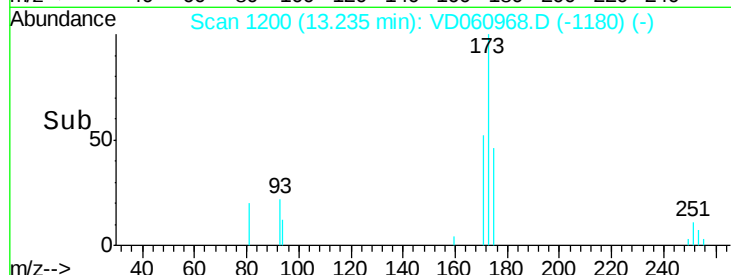
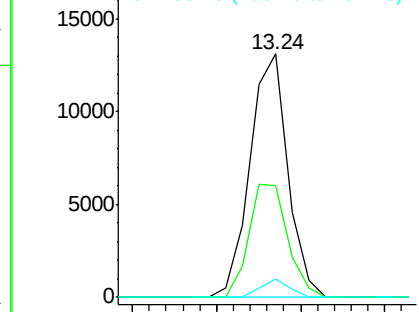
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.0	24.9	74.8
254	7.3	7.3	10.9

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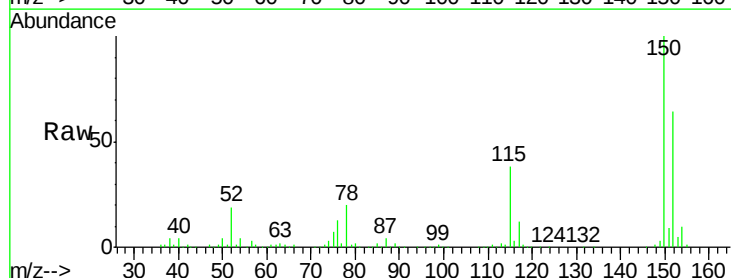


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

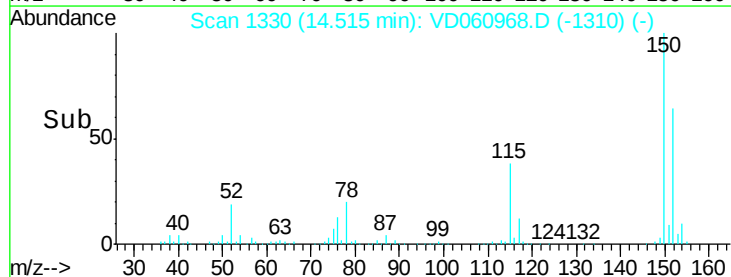
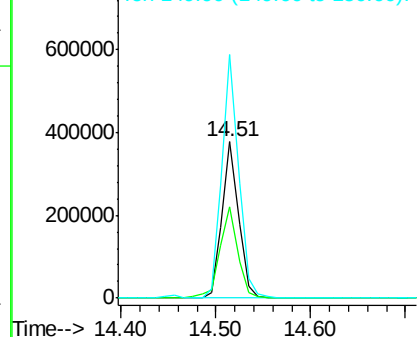


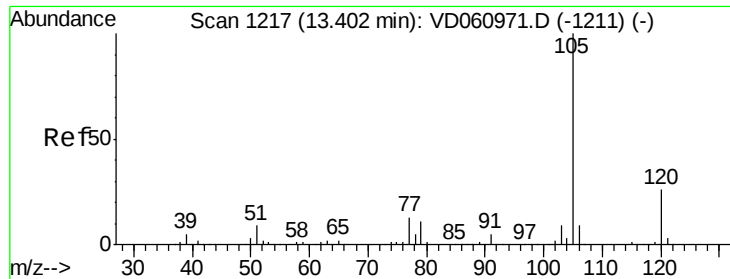
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.6	85.9
150	155.7	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: 4.938 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 173440

Ion Ratio Lower Upper

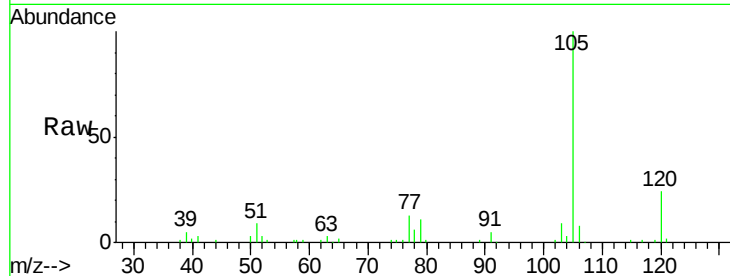
105 100

120 24.4 12.8 38.4

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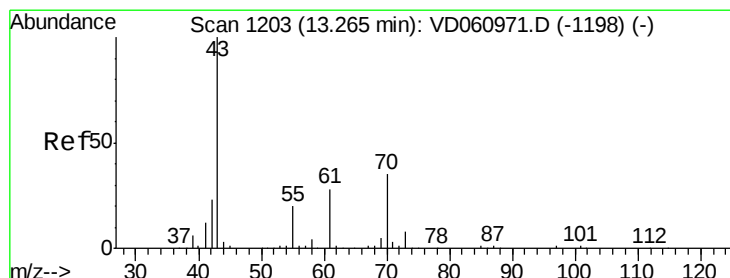
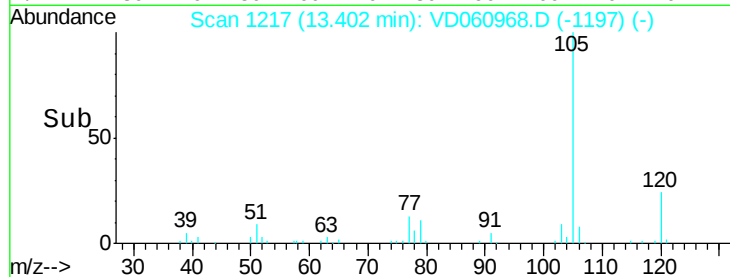
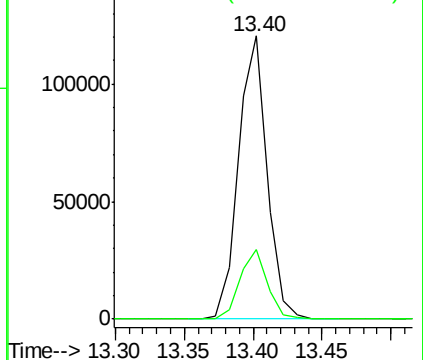
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 4.057 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Tgt Ion: 43 Resp: 43078

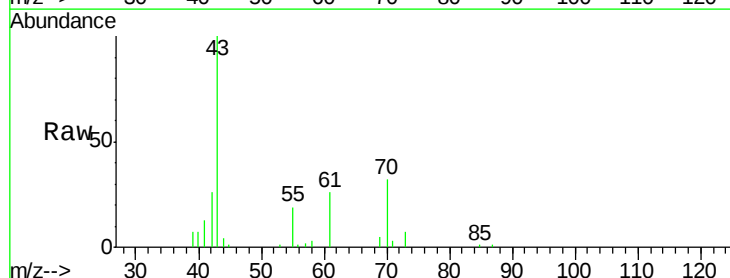
Ion Ratio Lower Upper

43 100

70 32.0 27.7 41.5

55 19.1 16.2 24.2

61 26.0 22.3 33.5

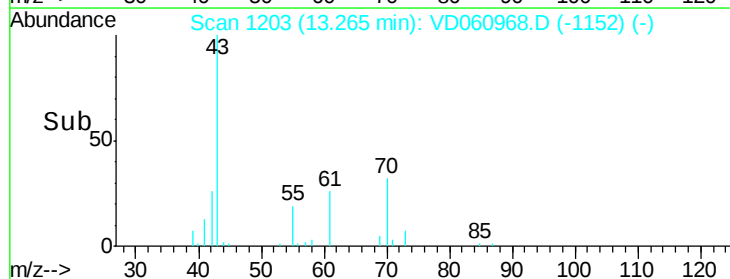
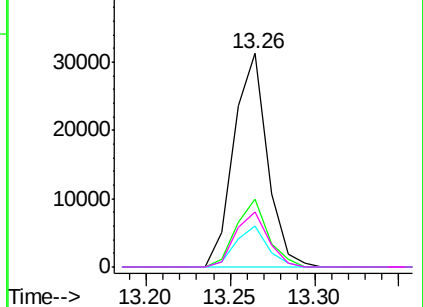


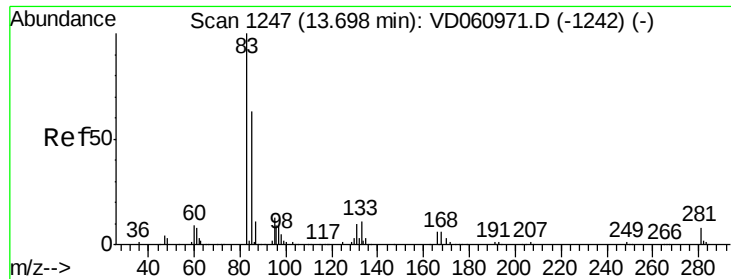
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 4.074 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

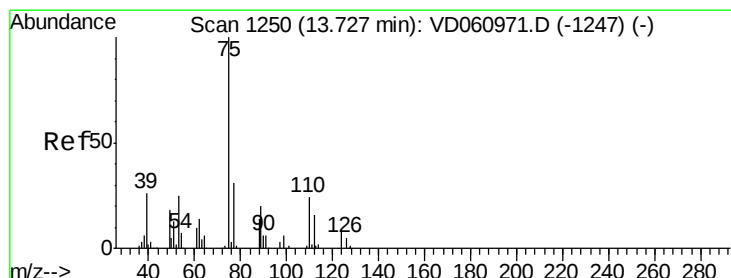
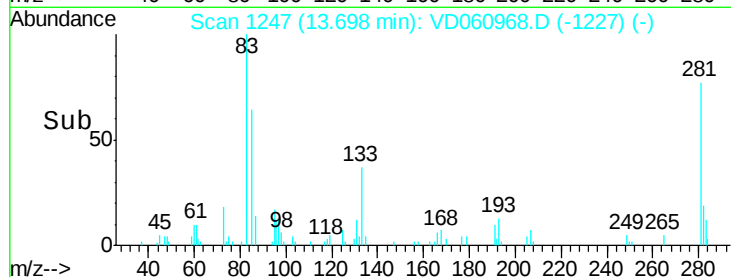
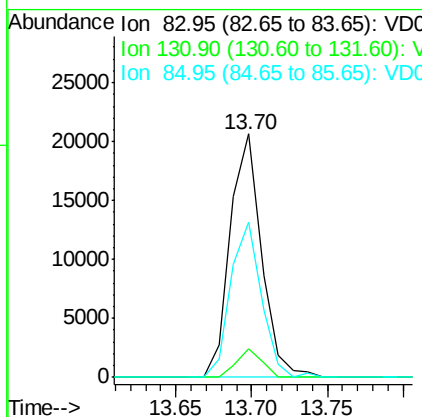
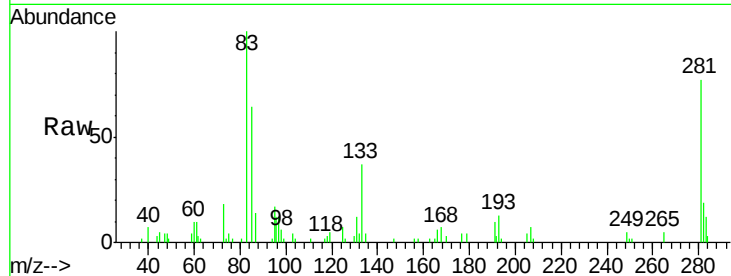
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	29694
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.1	15.3
85	63.9	31.5	94.5

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#76

1,2,3-Trichloropropane

Concen: 4.191 ug/l

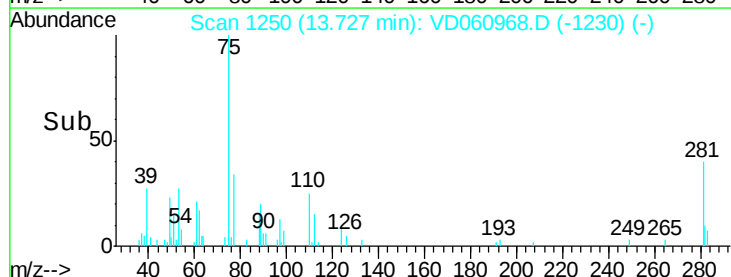
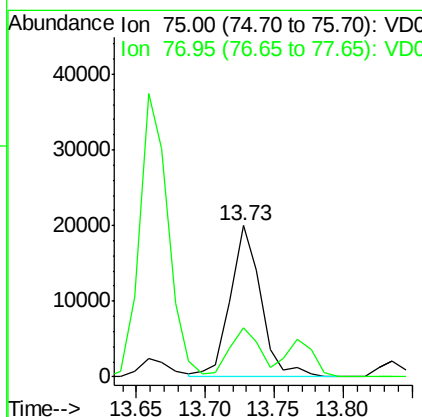
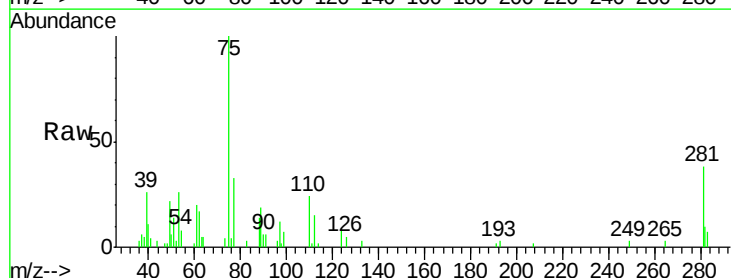
RT: 13.73 min Scan# 1250

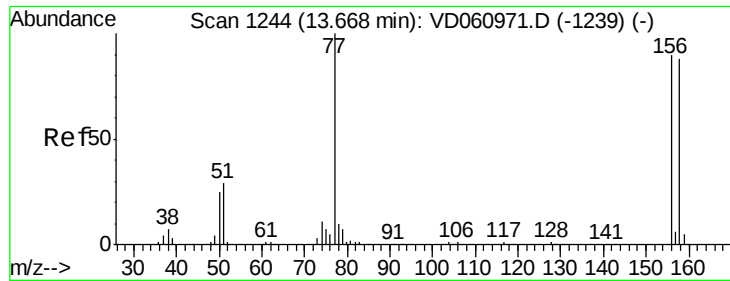
Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Tgt Ion:	75	Resp:	31045
Ion Ratio	Lower	Upper	
75	100		
77	32.9	16.6	49.7





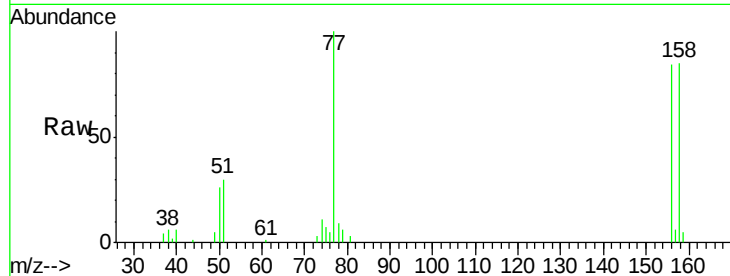
#77
Bromobenzene
Concen: 4.168 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

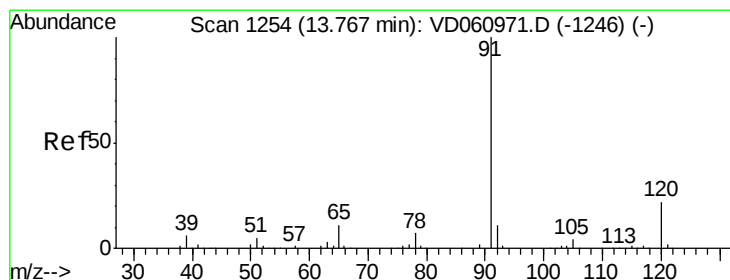
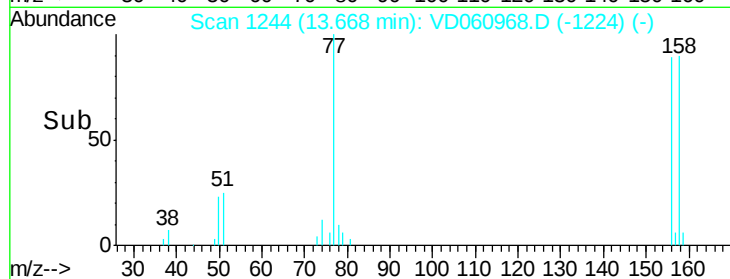
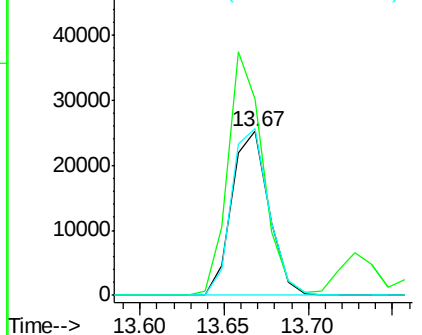
Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	119.7	55.5	166.7	
158	101.3	49.0	147.0	

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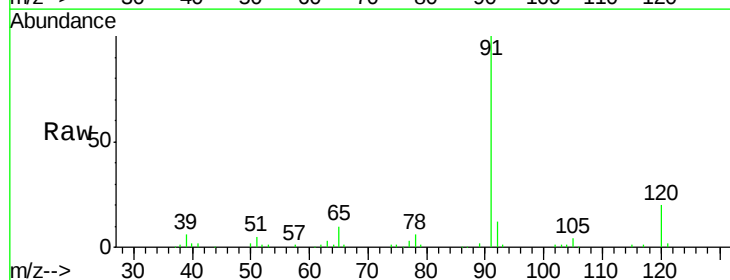


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

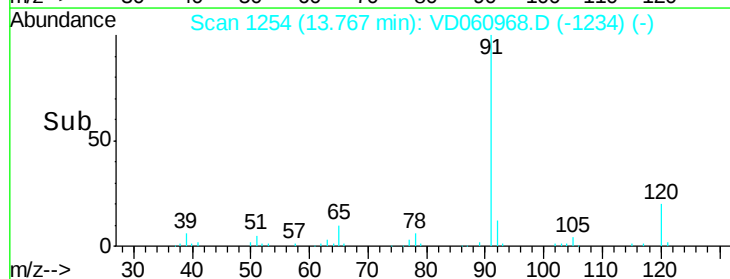
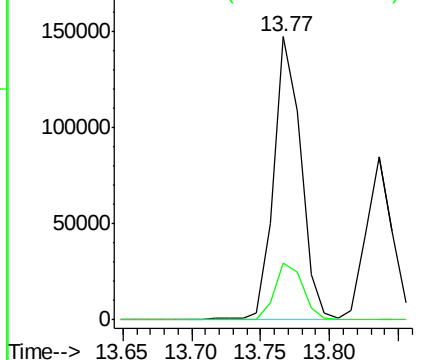


#78
n-propylbenzene
Concen: 4.894 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	19.9	10.8	32.3	



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 4.851 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 111330

Ion Ratio Lower Upper

91 100

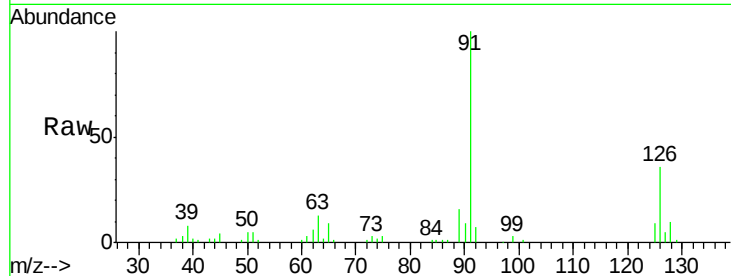
126 36.2 18.6 55.6

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) (-)

150000

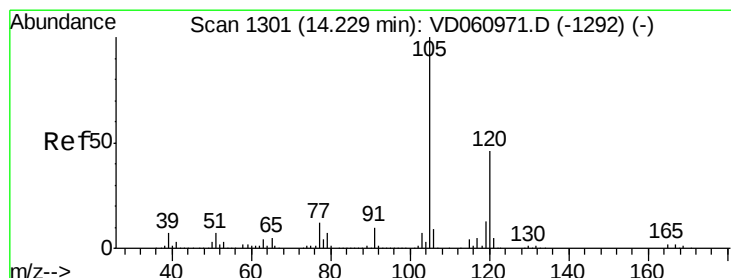
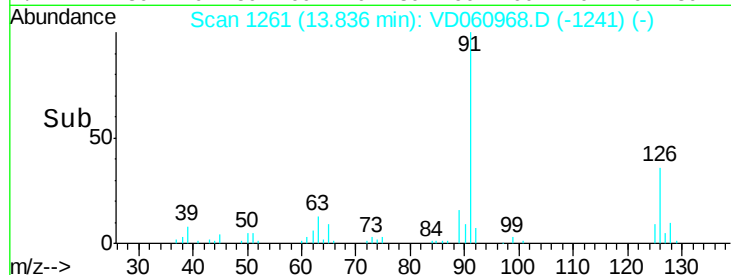
100000

50000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.266 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD060968.D

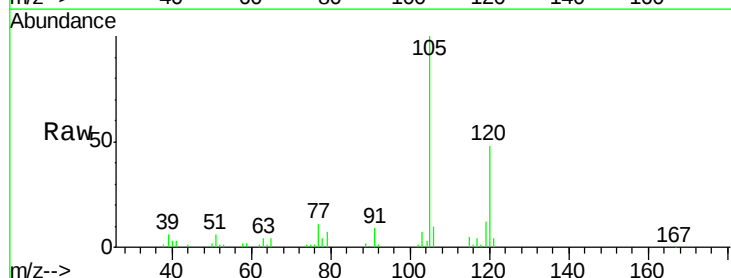
Acq: 7 Mar 2019 14:39

Tgt Ion: 105 Resp: 115778

Ion Ratio Lower Upper

105 100

120 47.8 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) (-)

80000

60000

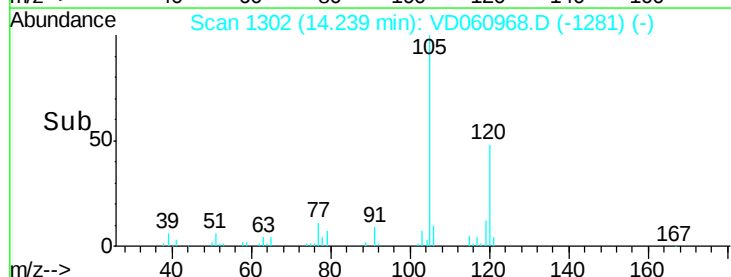
40000

20000

0

14.20 14.25 14.30

Time-->





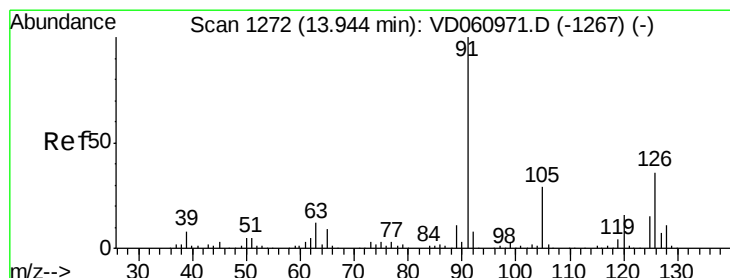
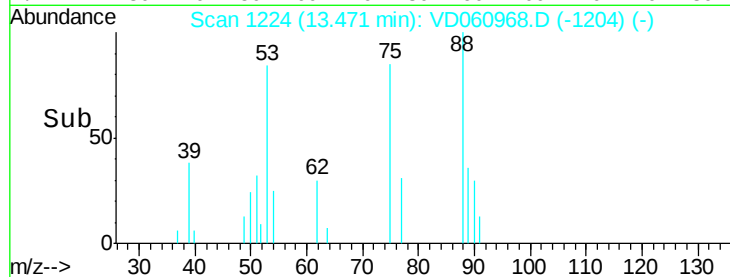
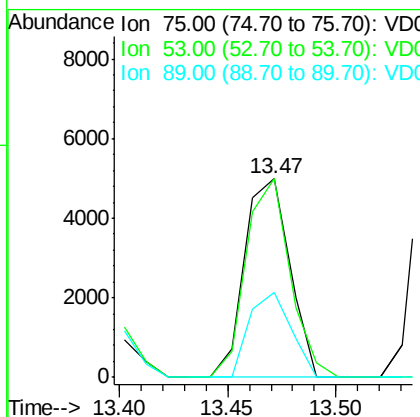
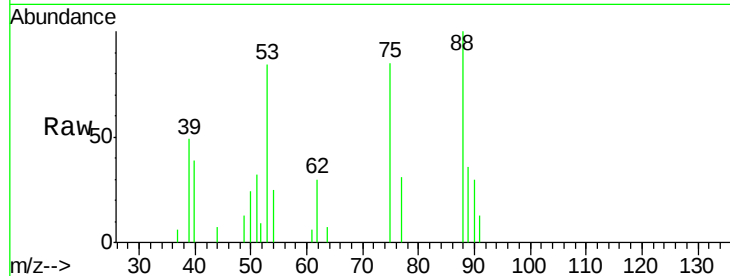
#81
trans-1,4-Dichloro-2-butene
Concen: 3.306 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 7220
Ion Ratio Lower Upper
75 100
53 100.0 64.4 96.6#
89 43.1 34.8 52.2

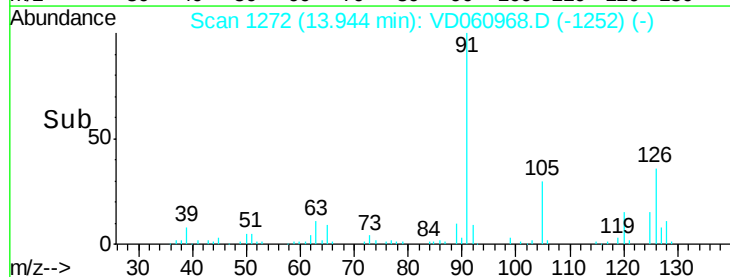
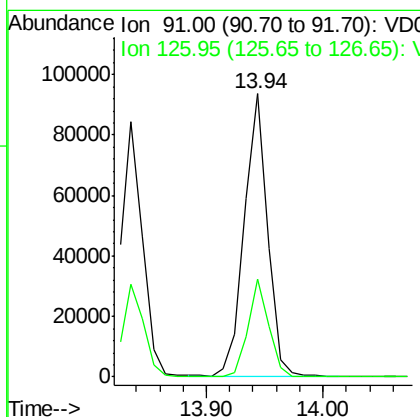
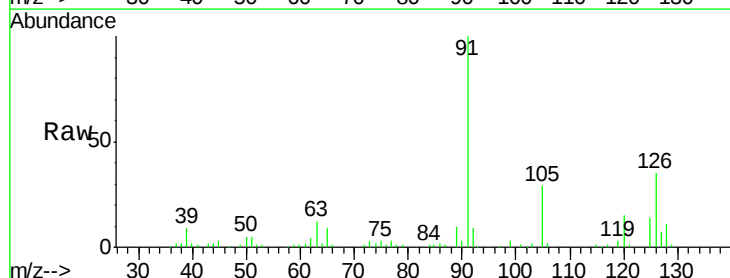
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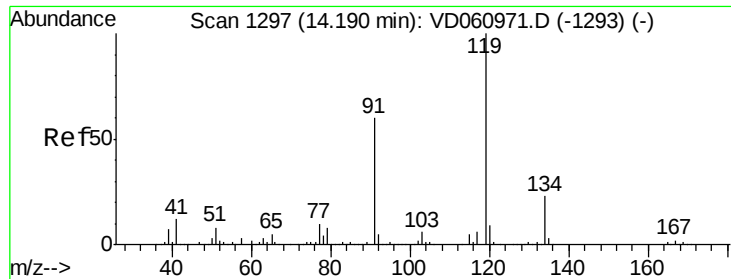
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#82
4-Chlorotoluene
Concen: 5.063 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion: 91 Resp: 130493
Ion Ratio Lower Upper
91 100
126 34.6 18.0 54.0





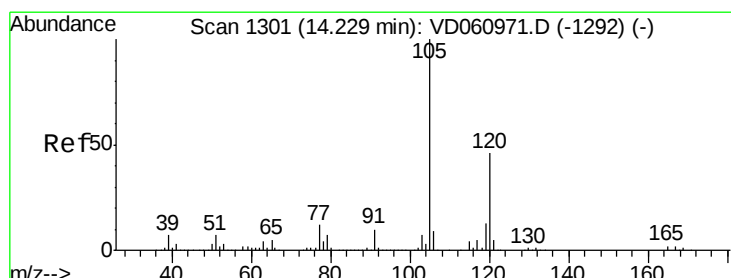
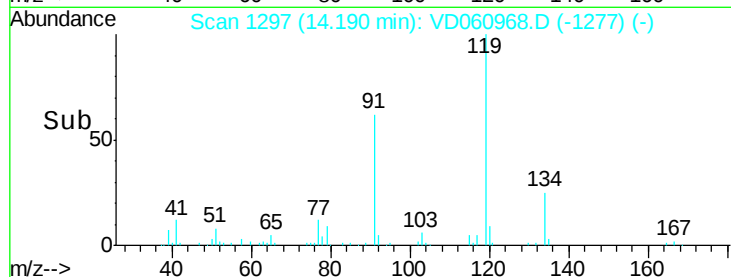
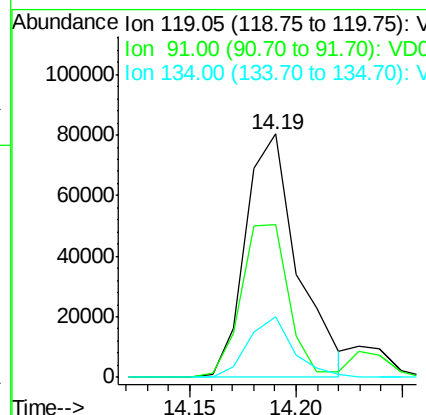
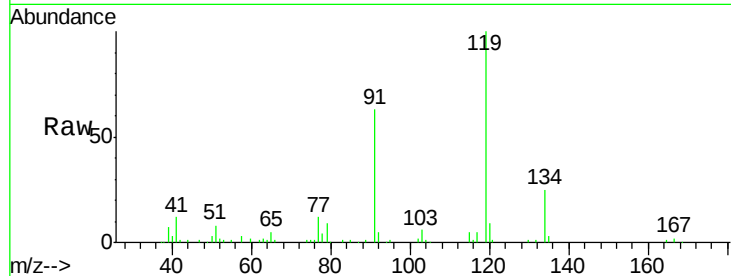
#83
tert-Butylbenzene
Concen: 4.544 ug/l m
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	137271		
91	62.8	30.1	90.3	
134	24.9	11.6	34.7	

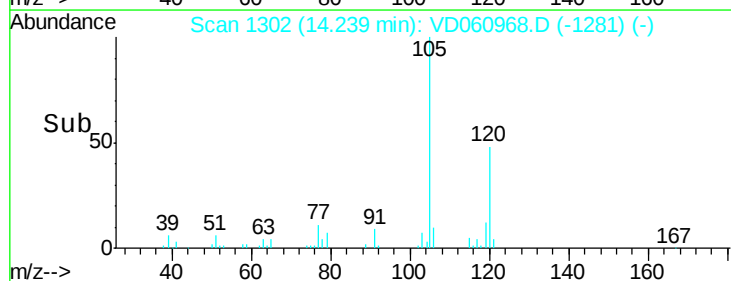
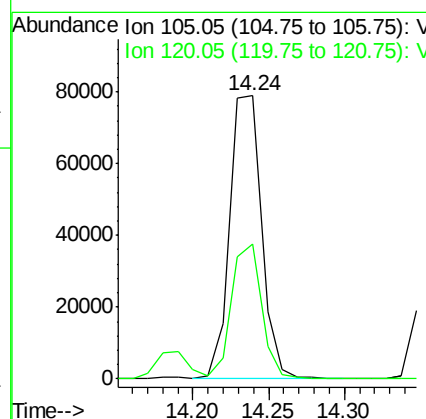
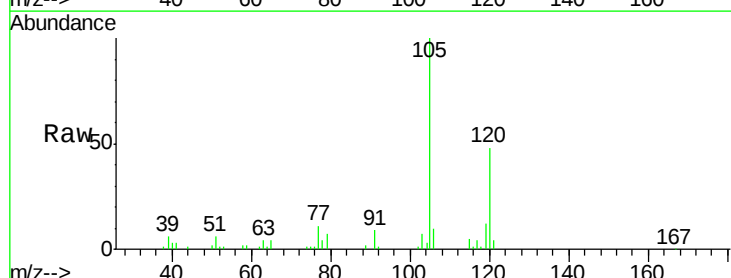
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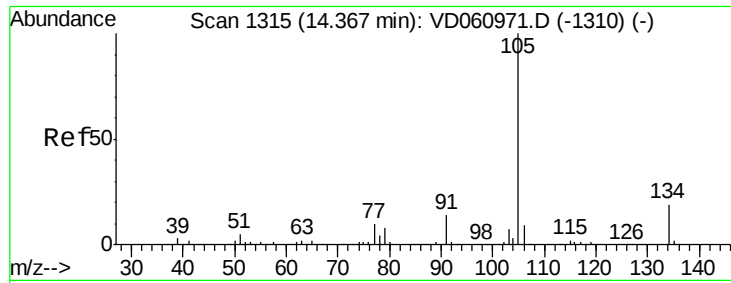
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 4.266 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	115778		
120	47.8	22.9	68.5	





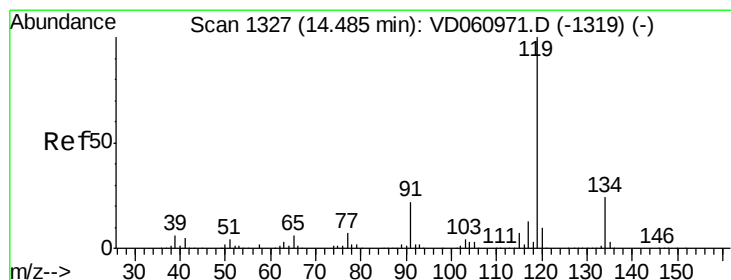
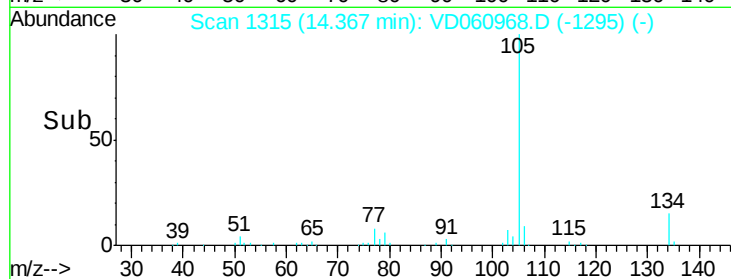
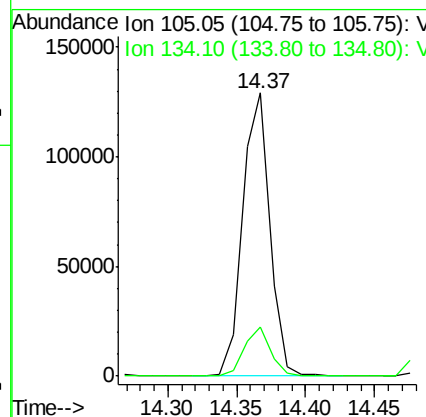
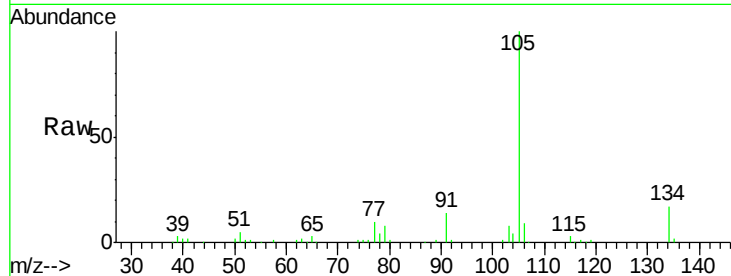
#85
 sec-Butylbenzene
 Concen: 5.030 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 177344
 Ion Ratio Lower Upper
 105 100
 134 17.4 9.4 28.2

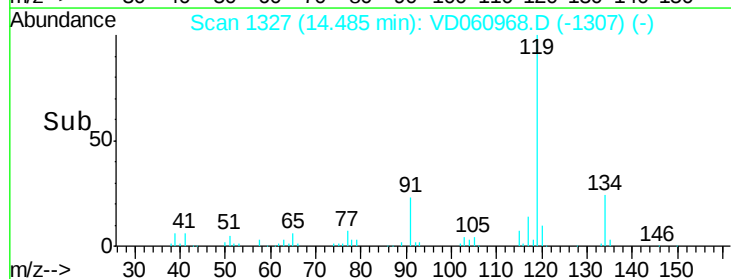
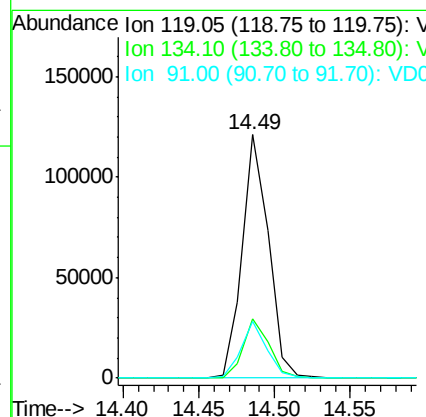
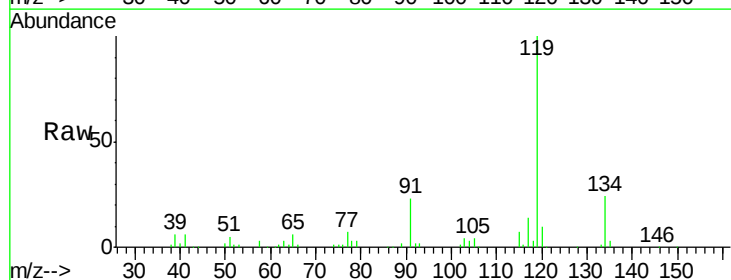
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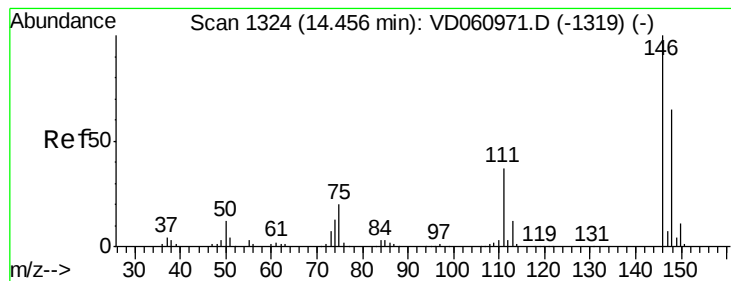
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#86
 p-Isopropyltoluene
 Concen: 5.013 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Tgt Ion:119 Resp: 145612
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.0 36.1
 91 23.1 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 4.812 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:146 Resp: 75496

Ion Ratio Lower Upper

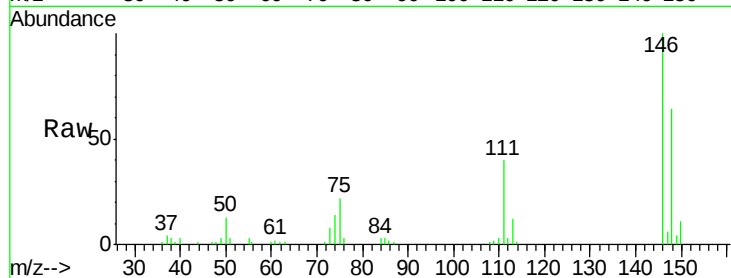
146 100

111 39.8 18.4 55.4

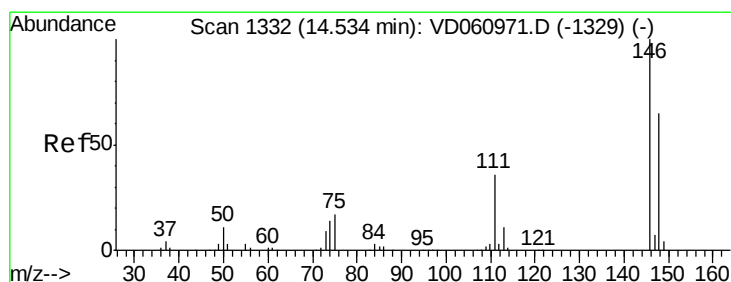
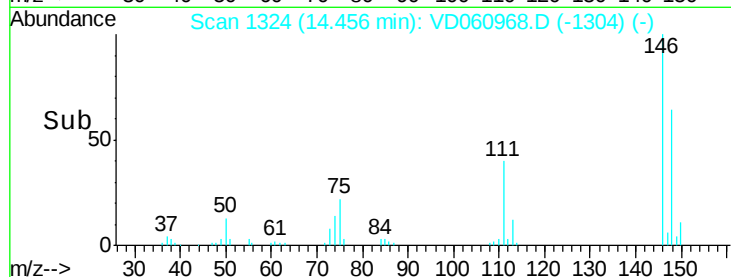
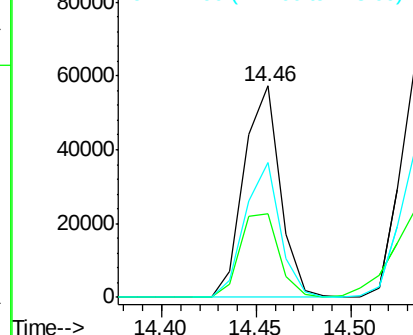
148 63.8 32.5 97.4

Manual Integrations
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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 4.831 ug/l

RT: 14.53 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

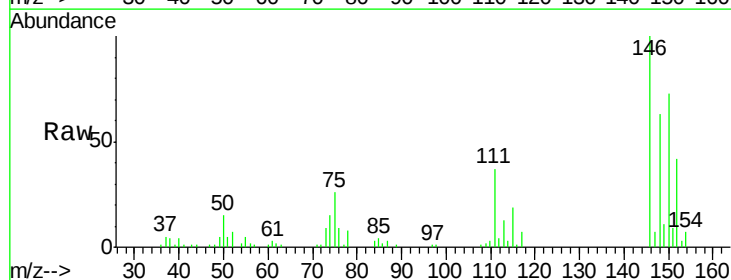
Tgt Ion:146 Resp: 75001

Ion Ratio Lower Upper

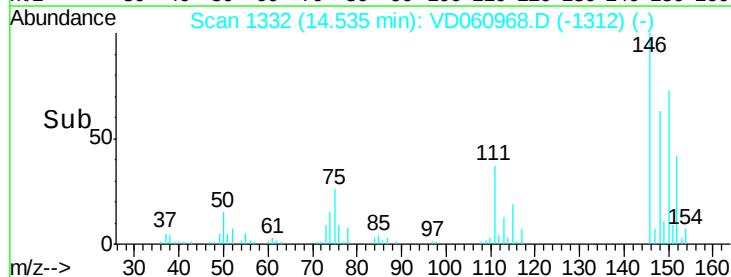
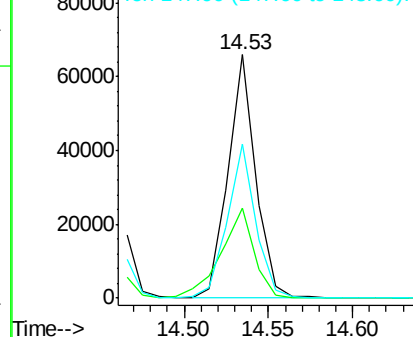
146 100

111 37.0 18.4 55.2

148 63.4 32.5 97.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





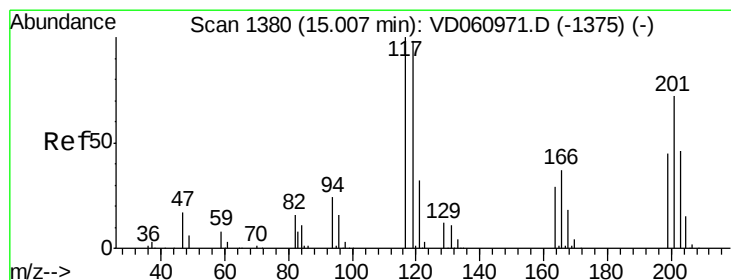
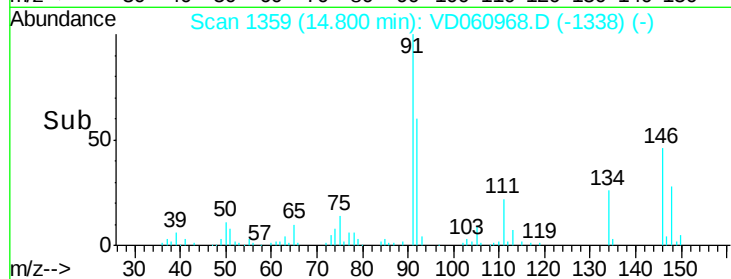
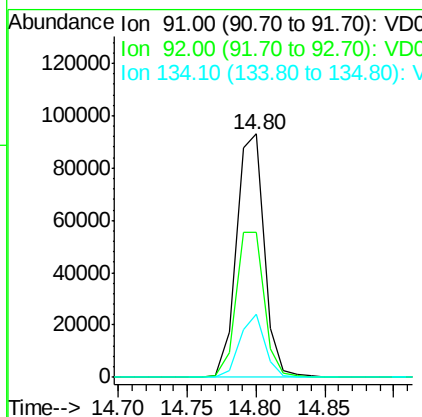
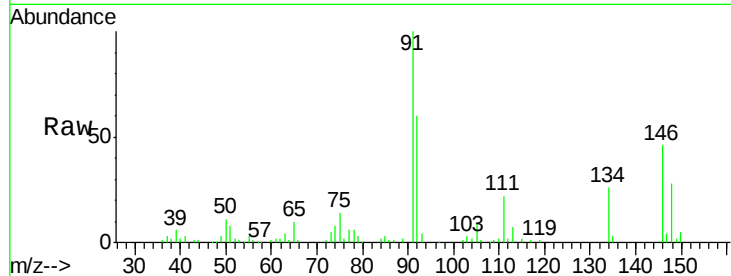
#89
n-Butylbenzene
Concen: 4.803 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.6	30.6	91.8
134	26.0	11.0	33.0

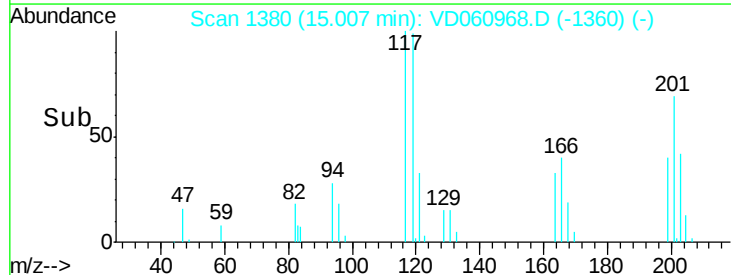
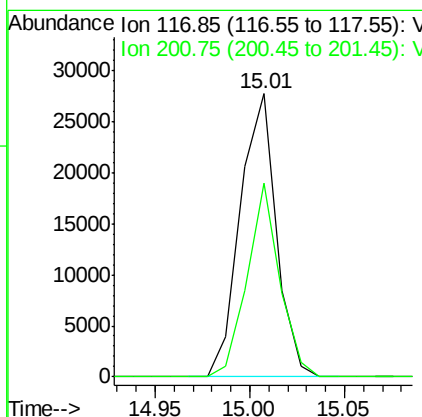
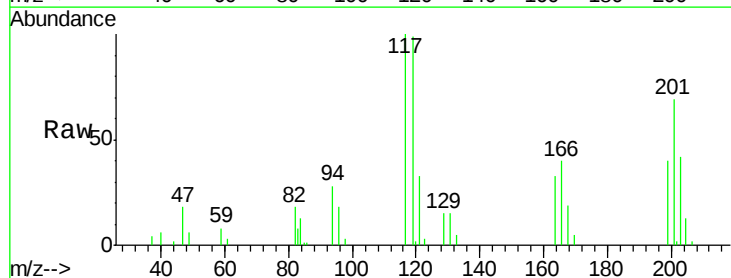
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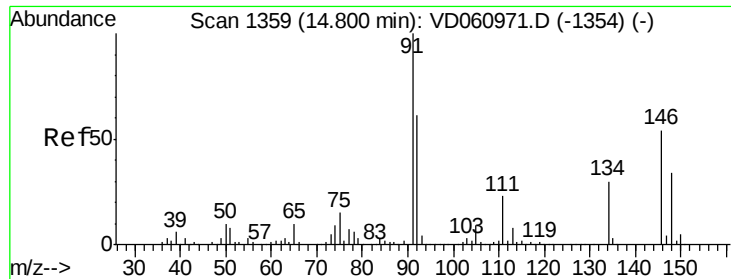
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#90
Hexachloroethane
Concen: 4.349 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.6	36.2	108.6





#91

1,2-Dichlorobenzene

Concen: 4.610 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:146 Resp: 63082

Ion Ratio Lower Upper

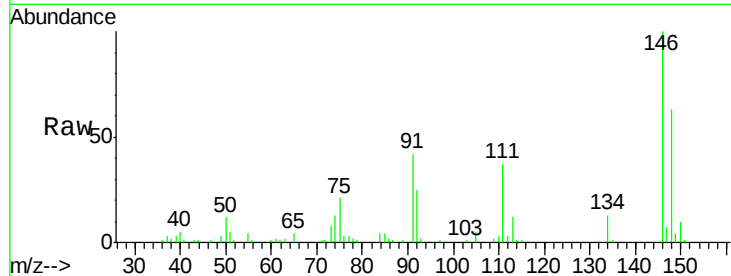
146 100

111 37.0 21.5 64.5

148 62.6 30.9 92.8

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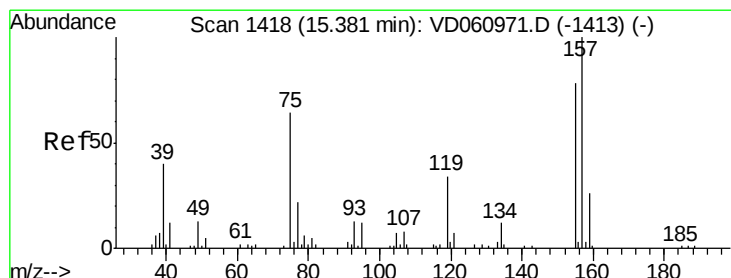
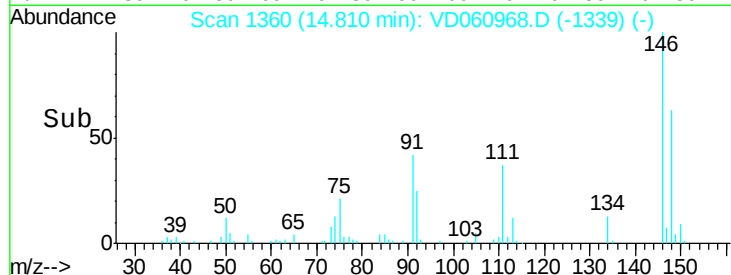
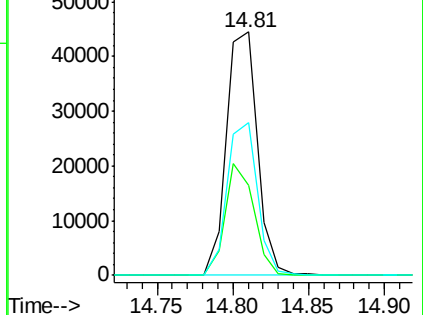
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Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.974 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. 0.00 min

Lab File: VD060968.D

Acq: 7 Mar 2019 14:39

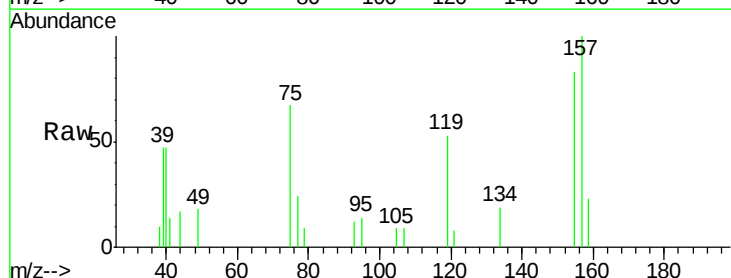
Tgt Ion: 75 Resp: 3403

Ion Ratio Lower Upper

75 100

155 122.5 61.2 183.5

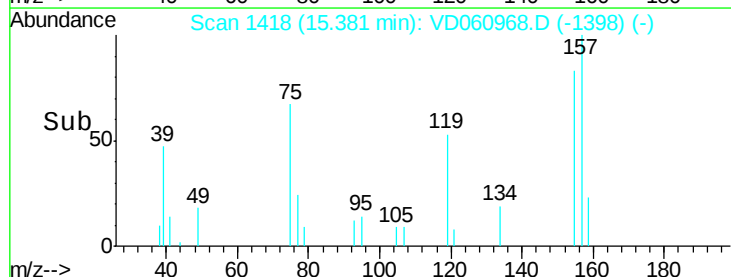
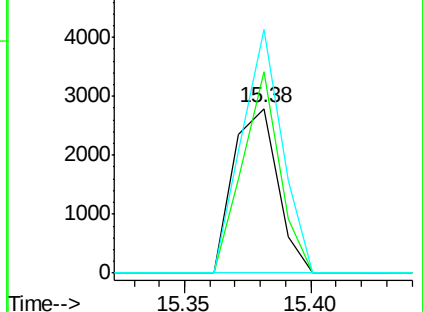
157 148.2 78.3 234.8



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V





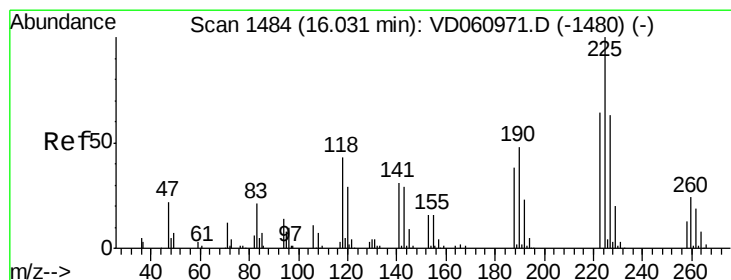
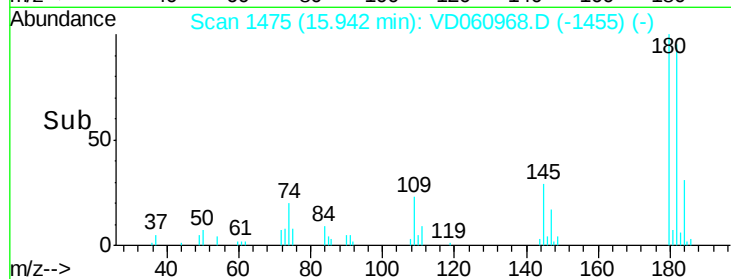
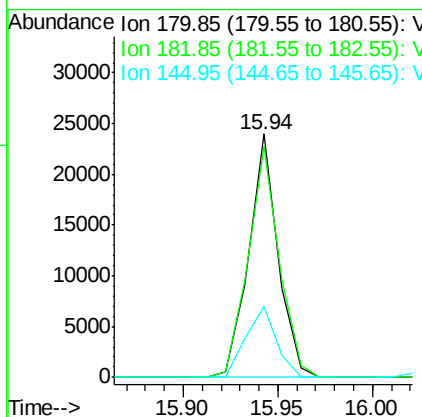
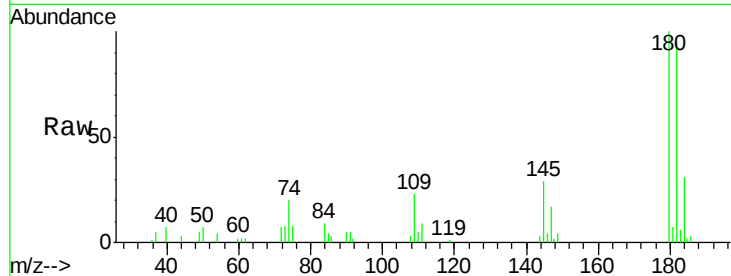
#93
 1,2,4-Trichlorobenzene
 Concen: 3.316 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	142.0
145	29.0	14.4	43.0

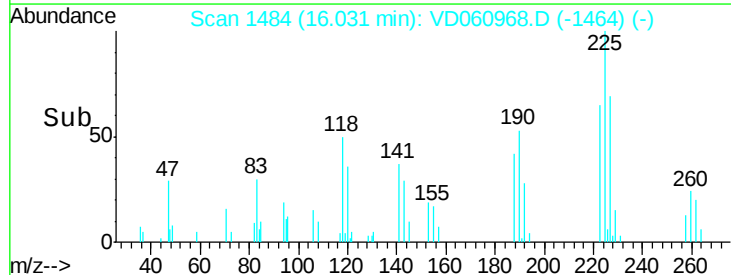
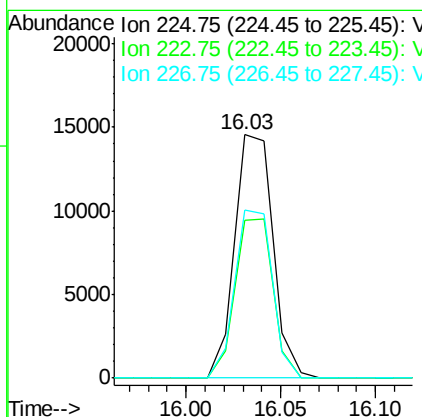
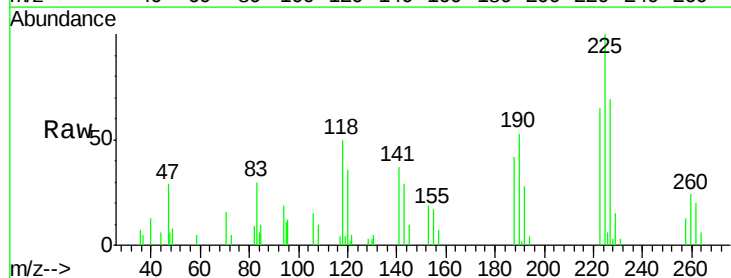
Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 9:46:23 PM



#94
 Hexachlorobutadiene
 Concen: 4.119 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD060968.D
 Acq: 7 Mar 2019 14:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.8	95.3
227	69.1	31.4	94.0





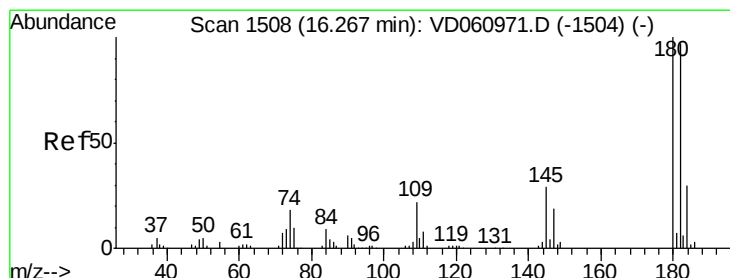
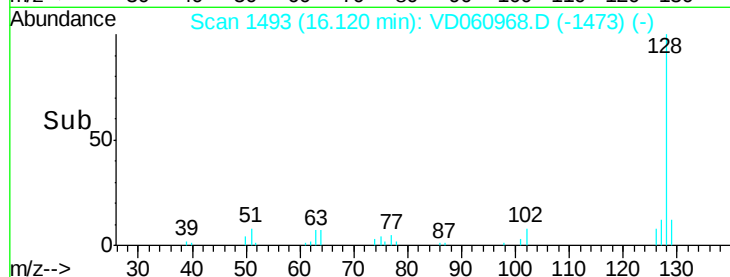
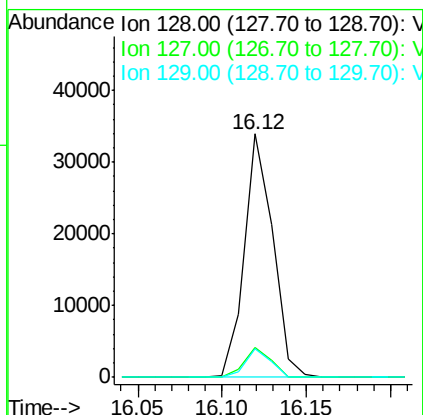
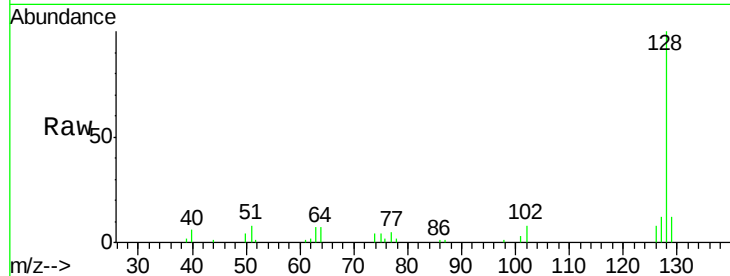
#95
Naphthalene
Concen: 3.320 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.8	14.8
129	11.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
3/8/2019 9:46:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.971 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD060968.D
Acq: 7 Mar 2019 14:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.1	48.6	145.8
145	32.4	14.3	42.9

