

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083018\
 Data File : VD059923.D
 Acq On : 30 Aug 2018 13:03
 Operator : JC/SY
 Sample : VD0830SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Manual Integrations
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 8/31/2018 12:29:44 PM

Quant Time: Aug 30 18:15:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1174006	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1604302	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1357883	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	738882	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	495040	50.03	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	100.06%	
35) Dibromofluoromethane	6.30	113	651366	51.79	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	103.58%	
50) Toluene-d8	9.44	98	1782036	51.05	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.42	95	696876	49.15	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	98.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	179752	17.13	ug/l	96
3) Chloromethane	1.74	50	155892	16.40	ug/l	99
4) Vinyl Chloride	1.83	62	129518	17.37	ug/l	97
5) Bromomethane	2.11	94	10878	8.45	ug/l	97
6) Chloroethane	2.22	64	32760	12.11	ug/l	96
7) Trichlorofluoromethane	2.48	101	152842	17.72	ug/l	96
8) Diethyl Ether	2.80	74	35298	18.24	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.06	101	105416	19.96	ug/l	97
10) Methyl Iodide	3.21	142	77384	16.27	ug/l	98
11) Tert butyl alcohol	3.96	59	83053	110.00	ug/l	98
12) 1,1-Dichloroethene	3.04	96	78275	19.04	ug/l	95
13) Acrolein	2.96	56	20440	62.42	ug/l	90
14) Allyl chloride	3.50	41	185737	19.97	ug/l	100
15) Acrylonitrile	4.06	53	281400	99.53	ug/l	99
16) Acetone	3.14	43	180614	100.19	ug/l	97
17) Carbon Disulfide	3.28	76	194385	15.23	ug/l	99
18) Methyl Acetate	3.53	43	69449	18.45	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	459835	19.77	ug/l	100
20) Methylene Chloride	3.69	84	290180	22.03	ug/l	97
21) trans-1,2-Dichloroethene	4.06	96	203049	17.92	ug/l	96
22) Diisopropyl ether	4.83	45	940036	19.82	ug/l	99
23) Vinyl Acetate	4.78	43	2691873	101.51	ug/l	100
24) 1,1-Dichloroethane	4.73	63	400175	19.53	ug/l	100
25) 2-Butanone	5.61	43	470455	88.11	ug/l	98
26) 2,2-Dichloropropane	5.57	77	336810	19.66	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	242360	19.54	ug/l	99
28) Bromochloromethane	5.90	49	217608	22.16	ug/l	99
29) Tetrahydrofuran	5.93	42	248305	97.69	ug/l	100
30) Chloroform	6.08	83	426258	20.47	ug/l	98
31) Cyclohexane	6.34	56	326387	17.32	ug/l	100
32) 1,1,1-Trichloroethane	6.27	97	337622	19.10	ug/l	97
36) 1,1-Dichloropropene	6.50	75	288985	19.87	ug/l	97
37) Ethyl Acetate	5.67	43	226072	19.98	ug/l	99
38) Carbon Tetrachloride	6.47	117	295226	20.12	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	291218	18.53	ug/l	98
40) Benzene	6.78	78	764466	20.22	ug/l	100
41) Methacrylonitrile	5.90	41	111557m	19.57	ug/l	
42) 1,2-Dichloroethane	6.88	62	238270	19.63	ug/l	99
43) Isopropyl Acetate	8.33	43	288996	19.63	ug/l #	99
44) Trichloroethene	7.72	130	218955	19.67	ug/l	92
45) 1,2-Dichloropropane	8.09	63	216109	20.45	ug/l	96
46) Dibromomethane	8.20	93	134789	19.83	ug/l	97
47) Bromodichloromethane	8.48	83	313907	20.40	ug/l	99
48) Methyl methacrylate	8.23	41	170987	19.92	ug/l	97
49) 1,4-Dioxane	8.21	88	32412	423.01	ug/l	94
51) 4-Methyl-2-Pentanone	9.34	43	990168	90.21	ug/l	99
52) Toluene	9.53	92	488849	20.16	ug/l	94
53) t-1,3-Dichloropropene	9.91	75	276399	19.42	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	333209	20.19	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	181094	20.43	ug/l	98
56) Ethyl methacrylate	10.02	69	202975	19.84	ug/l	98
57) 1,3-Dichloropropane	10.37	76	263973	20.58	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	566428	115.43	ug/l	98
59) 2-Hexanone	10.48	43	754079	93.14	ug/l	95
60) Dibromochloromethane	10.63	129	219596	19.71	ug/l	99
61) 1,2-Dibromoethane	10.75	107	180281	20.12	ug/l	99
64) Tetrachloroethene	10.24	164	208113	19.82	ug/l	99
65) Chlorobenzene	11.30	112	561477	20.81	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	208124	21.11	ug/l	99
67) Ethyl Benzene	11.42	91	974272	21.46	ug/l	100
68) m/p-Xylenes	11.56	106	703357	42.55	ug/l	99
69) o-Xylene	11.92	106	333488	20.63	ug/l	91
70) Styrene	11.95	104	595605	21.28	ug/l	99
71) Bromoform	12.11	173	164827	19.32	ug/l	99
73) Isopropylbenzene	12.27	105	955736	20.26	ug/l	99
74) N-amyl acetate	12.13	43	392529	19.01	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	219012	20.07	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	230748	20.09	ug/l	99
77) Bromobenzene	12.53	156	267967	20.49	ug/l	93
78) n-propylbenzene	12.63	91	1212996	20.31	ug/l	100
79) 2-Chlorotoluene	12.70	91	662286	19.61	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	742194	19.79	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	60637	16.97	ug/l	97
82) 4-Chlorotoluene	12.80	91	761645	19.77	ug/l	91
83) tert-Butylbenzene	13.05	119	865214	20.25	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	799953	20.47	ug/l	98
85) sec-Butylbenzene	13.21	105	1050883	20.92	ug/l	99
86) p-Isopropyltoluene	13.34	119	869256	21.28	ug/l	98
87) 1,3-Dichlorobenzene	13.30	146	490746	21.02	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	493969	21.21	ug/l	98
89) n-Butylbenzene	13.65	91	886740	20.05	ug/l	98
90) Hexachloroethane	13.85	117	202887	18.49	ug/l	94
91) 1,2-Dichlorobenzene	13.66	146	435245	21.93	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	30759	18.34	ug/l	98

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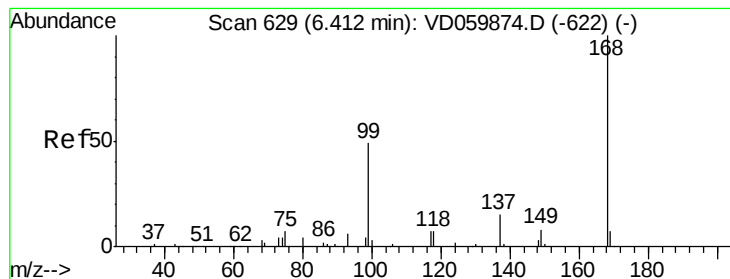
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	336011	19.77	ug/l	98
94) Hexachlorobutadiene	14.88	225	234113	21.01	ug/l	98
95) Naphthalene	14.96	128	517351	19.92	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	291541	20.06	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 626

Delta R.T. -0.03 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion:168 Resp: 1174006

Ion Ratio Lower Upper

168 100

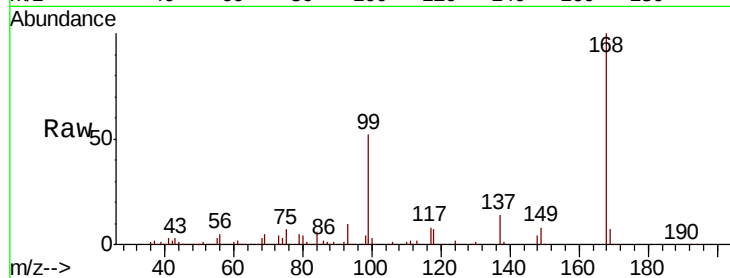
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Manual Integrations

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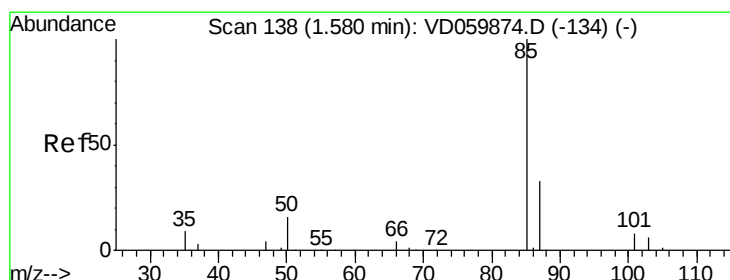
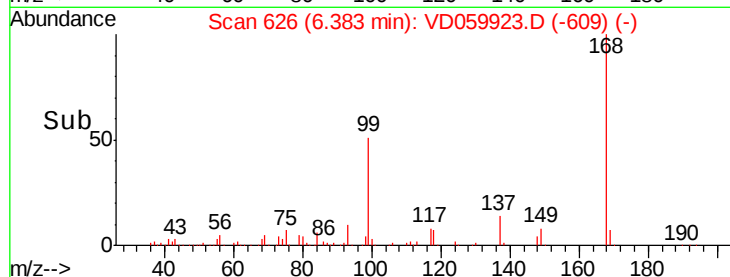
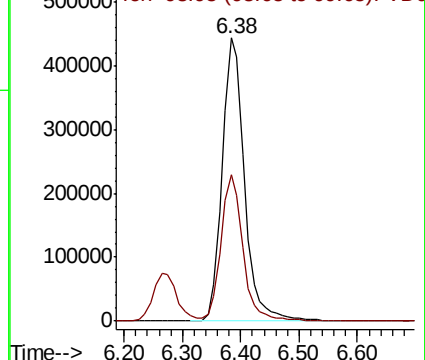
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.13 ug/l

RT: 1.56 min Scan# 136

Delta R.T. -0.02 min

Lab File: VD059923.D

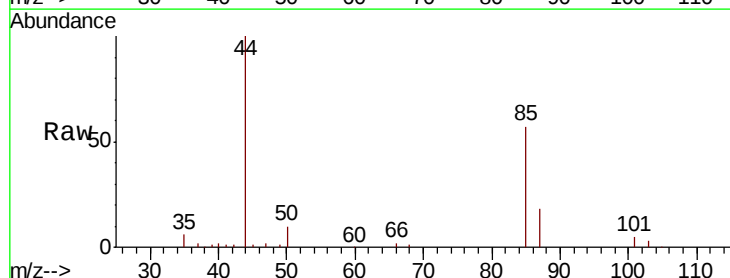
Acq: 30 Aug 2018 13:03

Tgt Ion: 85 Resp: 179752

Ion Ratio Lower Upper

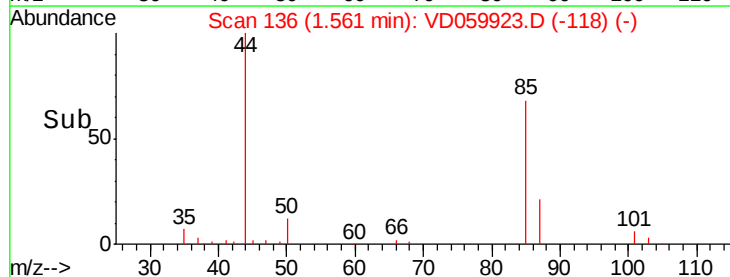
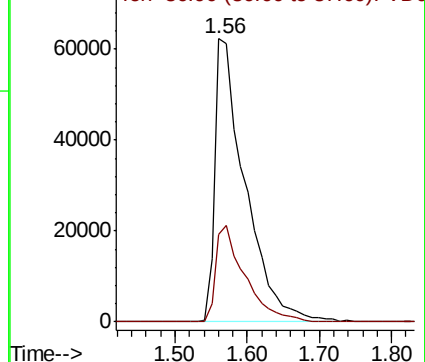
85 100

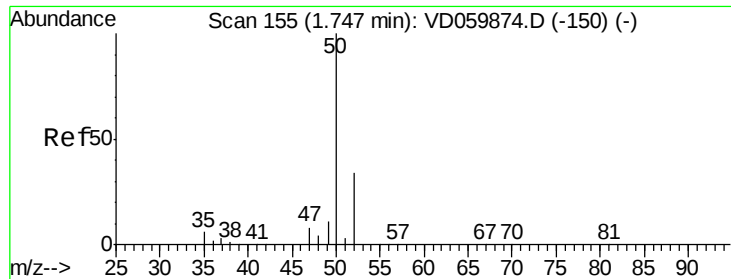
87 31.1 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.40 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.01 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 50 Resp: 155892

Ion Ratio Lower Upper

50 100

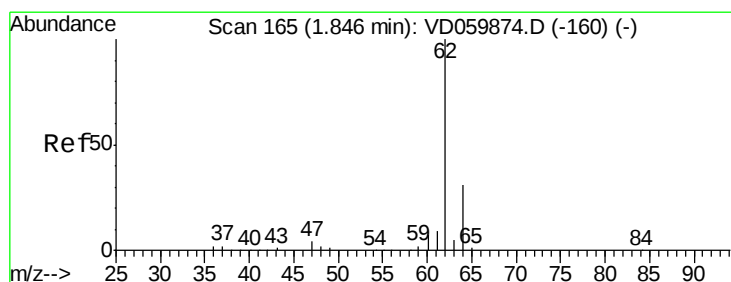
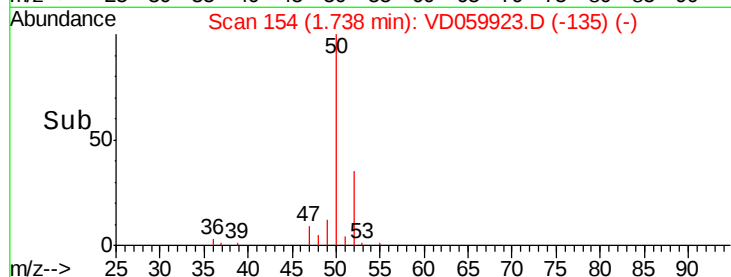
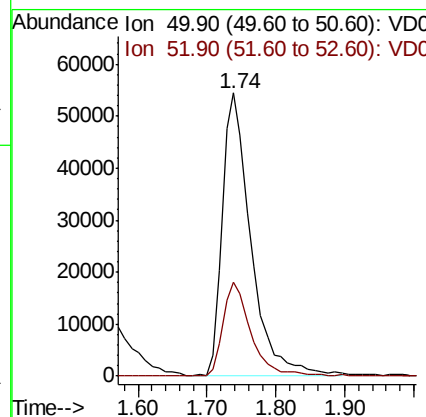
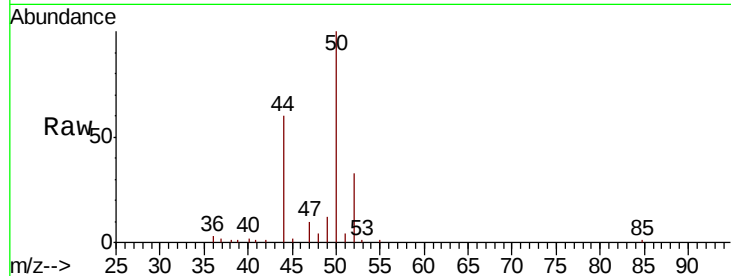
52 33.4 27.0 40.6

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#4

Vinyl Chloride

Concen: 17.37 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.02 min

Lab File: VD059923.D

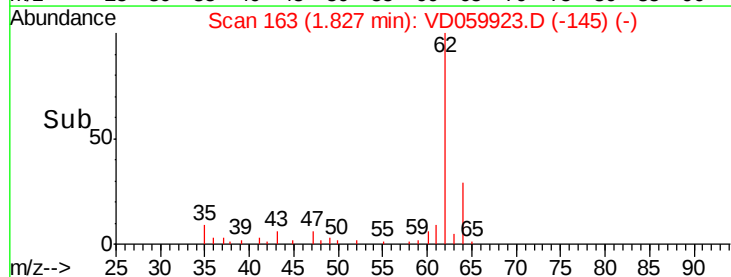
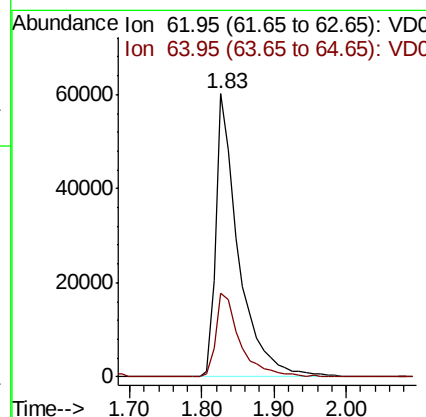
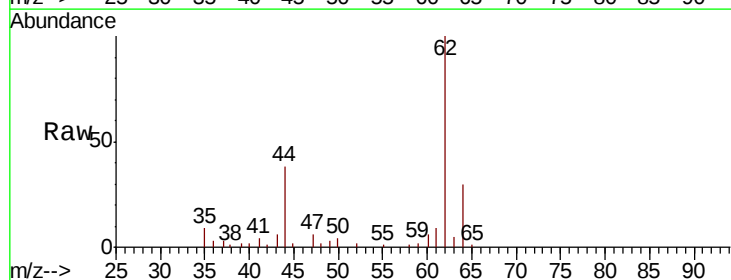
Acq: 30 Aug 2018 13:03

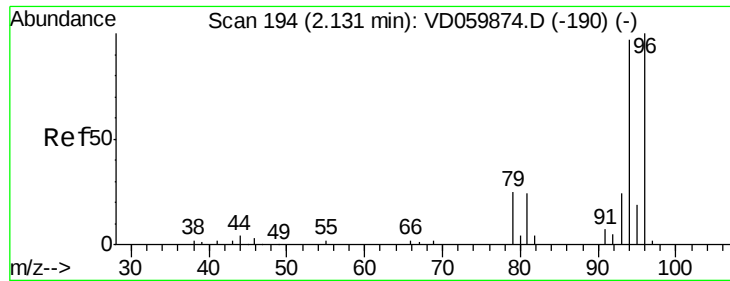
Tgt Ion: 62 Resp: 129518

Ion Ratio Lower Upper

62 100

64 29.7 25.0 37.6





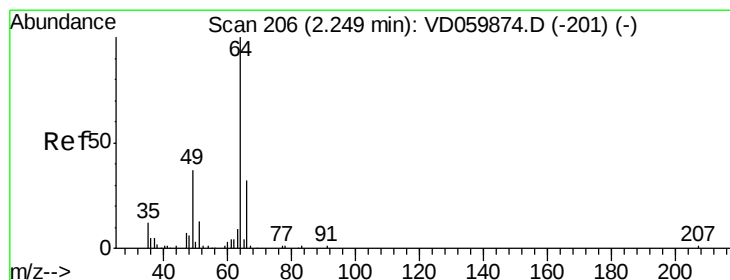
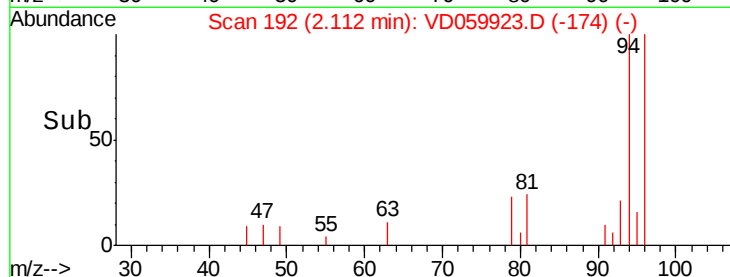
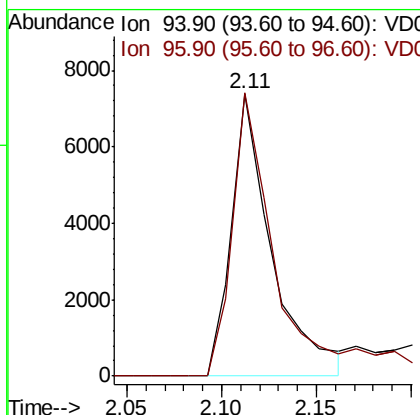
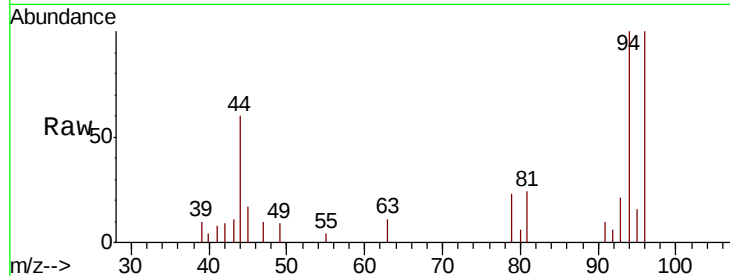
#5
Bromomethane
Concen: 8.45 ug/l
RT: 2.11 min Scan# 192
Delta R.T. -0.02 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

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ClientSampleId :
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Tot Ion: 94 Resp: 10878
Ion Ratio Lower Upper
94 100
96 100.3 82.4 123.6

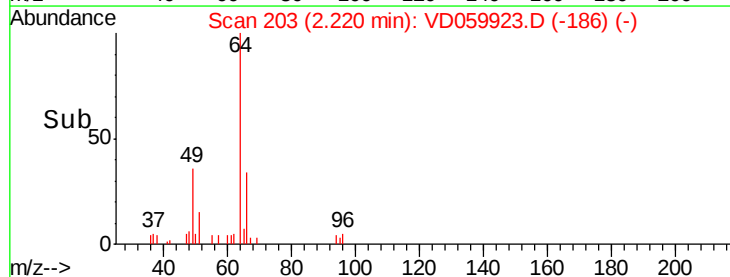
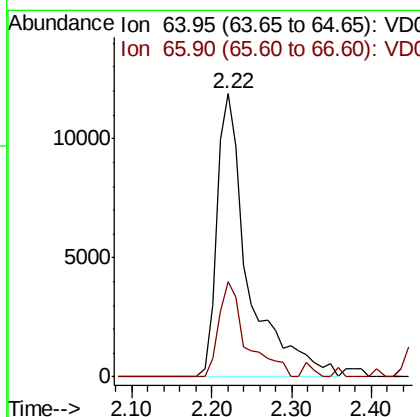
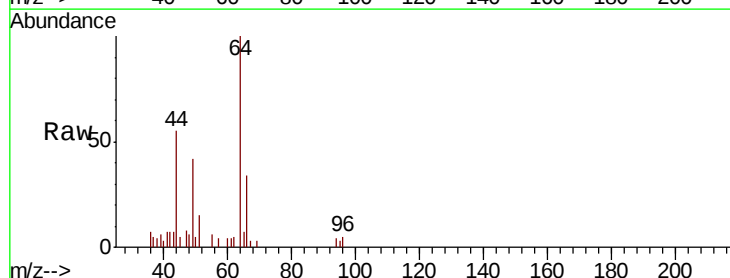
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#6
Chloroethane
Concen: 12.11 ug/l
RT: 2.22 min Scan# 203
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion: 64 Resp: 32760
Ion Ratio Lower Upper
64 100
66 33.7 25.3 37.9





#7

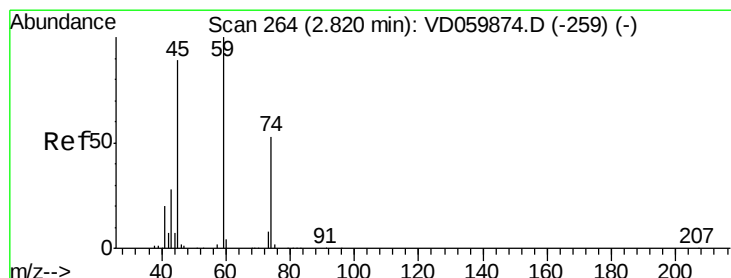
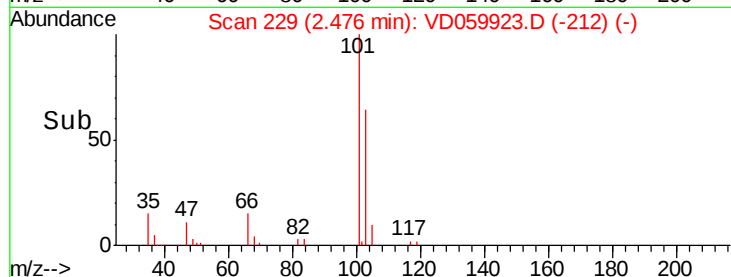
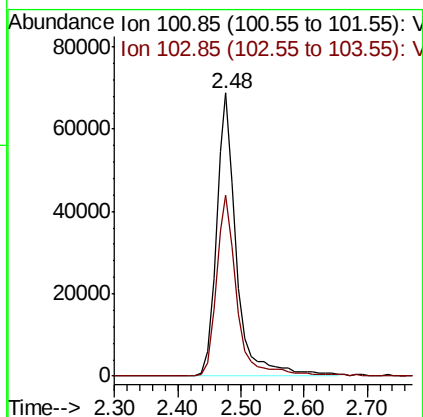
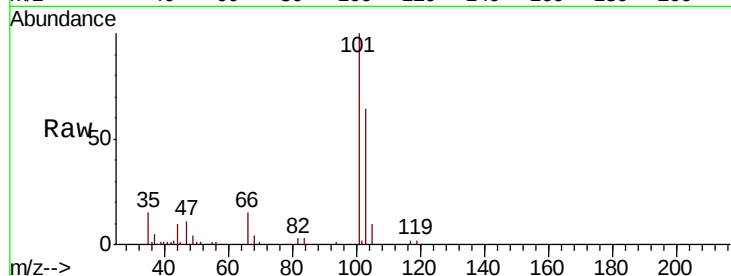
Trichlorofluoromethane
Concen: 17.72 ug/l
RT: 2.48 min Scan# 229
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
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VD0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	152842		
103	64.1	53.7	80.5	

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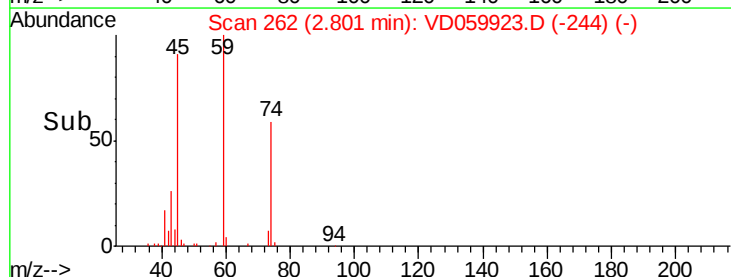
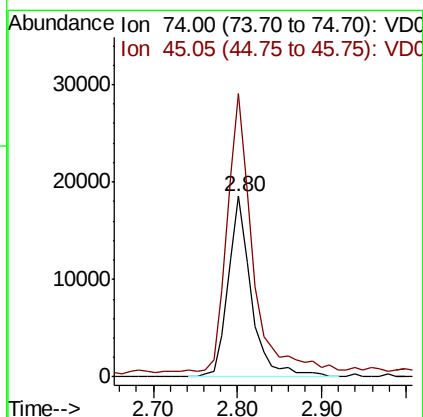
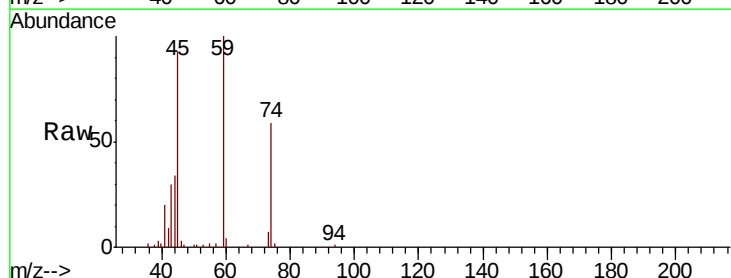
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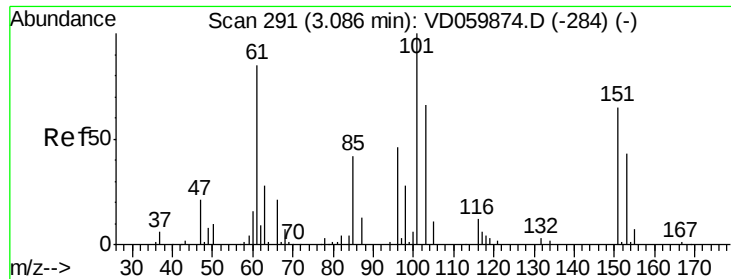


#8

Diethyl Ether
Concen: 18.24 ug/l
RT: 2.80 min Scan# 262
Delta R.T. -0.02 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	35298		
45	156.9	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.96 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.03 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

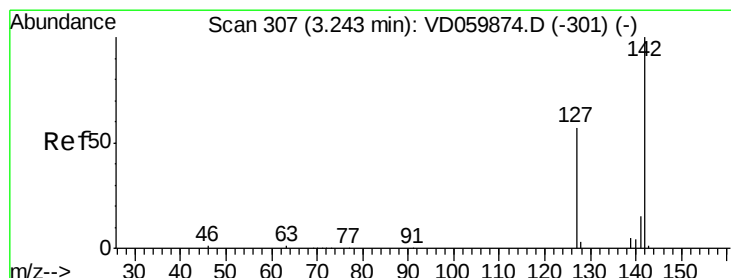
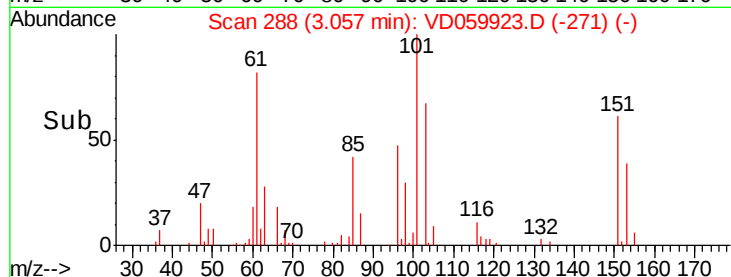
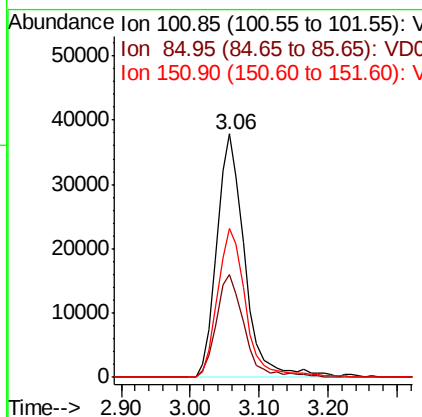
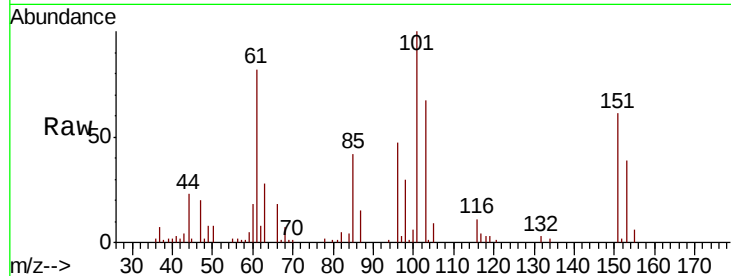
ClientSampleId :

VD0830SBS01

Tot Ion:	101	Resp:	105416
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.6	50.4
151	61.1	52.0	78.0

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#10

Methyl Iodide

Concen: 16.27 ug/l

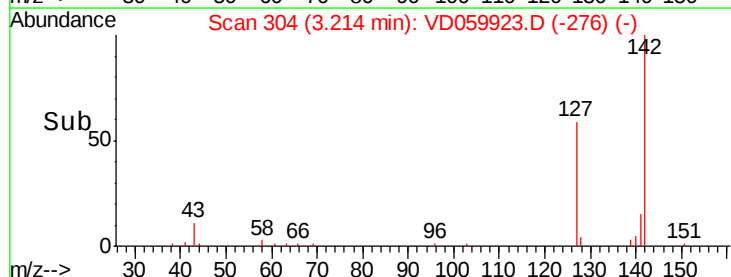
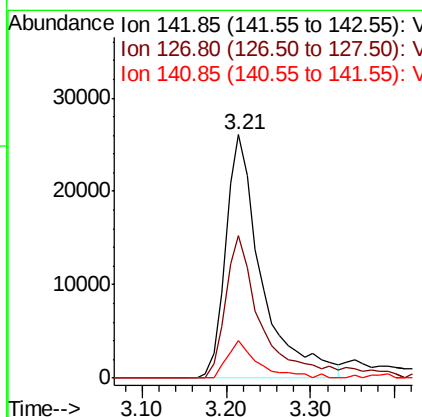
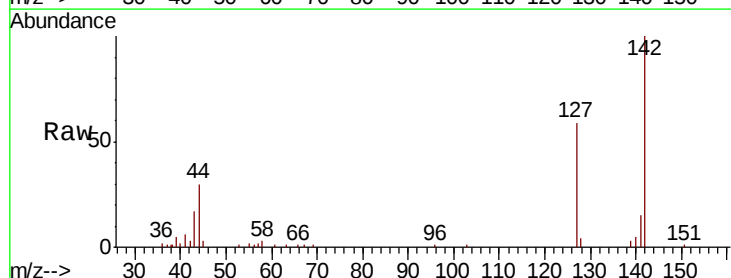
RT: 3.21 min Scan# 304

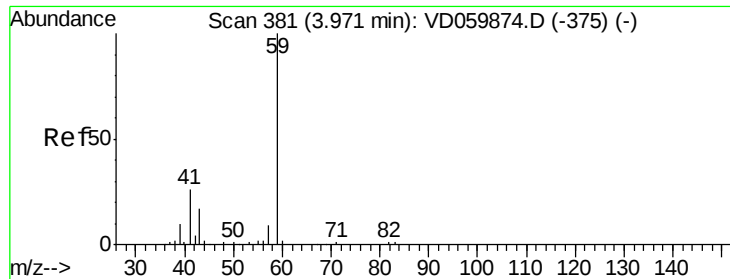
Delta R.T. -0.03 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Tgt Ion:	142	Resp:	77384
Ion Ratio	Lower	Upper	
142	100		
127	58.7	45.8	68.6
141	15.4	11.6	17.4





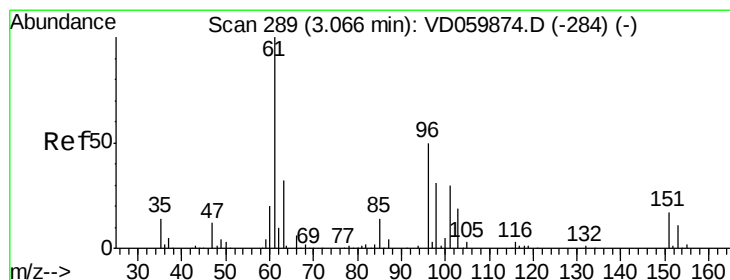
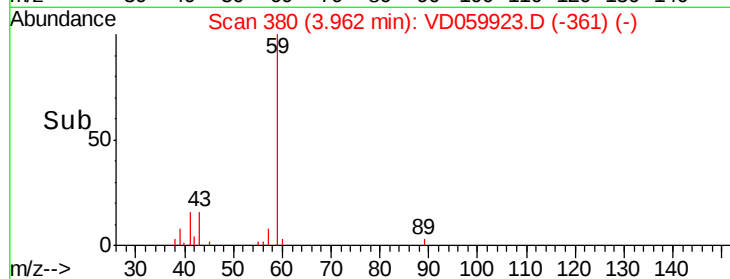
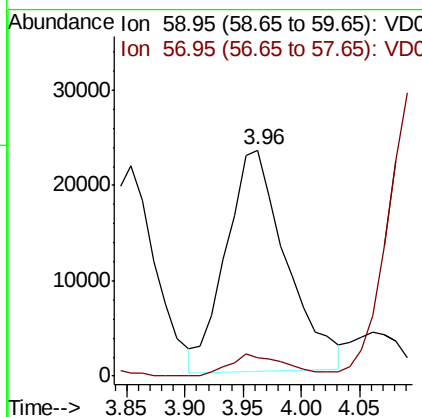
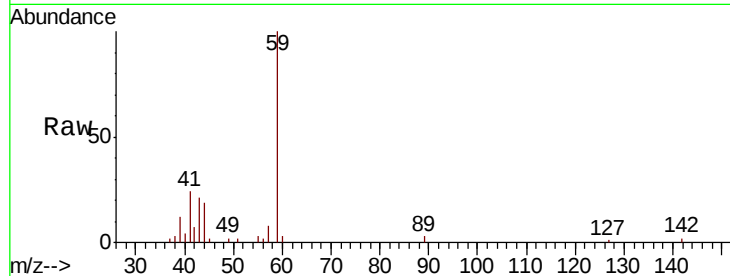
#11
Tert butyl alcohol
Concen: 110.00 ug/l
RT: 3.96 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion: 59 Resp: 83053
Ion Ratio Lower Upper
59 100
57 8.3 7.4 11.0

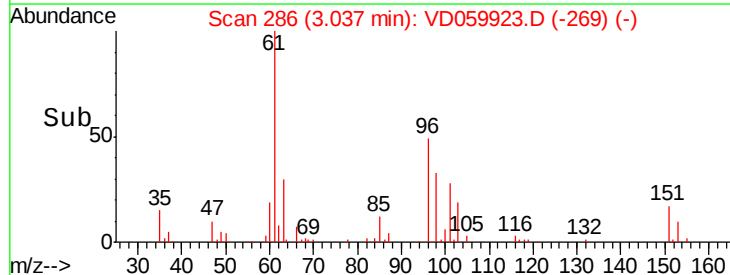
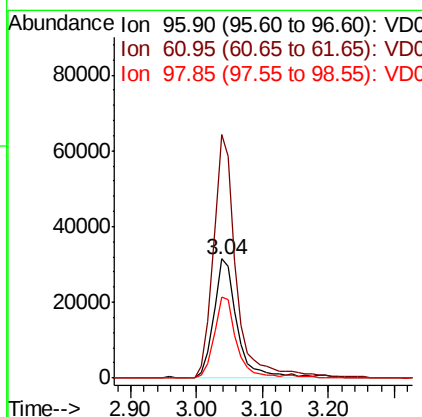
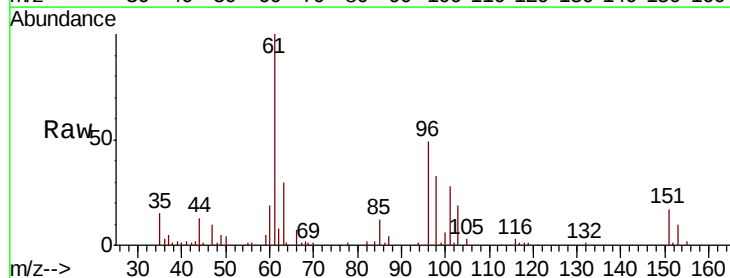
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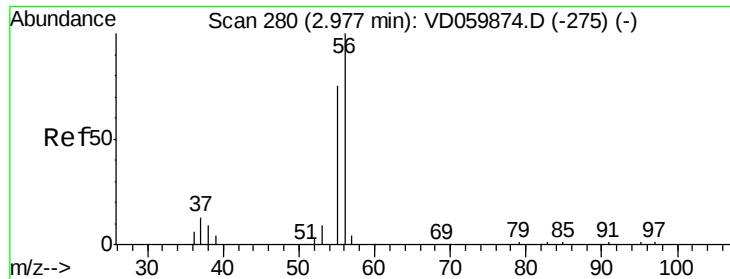
apatel
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#12
1,1-Dichloroethene
Concen: 19.04 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion: 96 Resp: 78275
Ion Ratio Lower Upper
96 100
61 204.7 158.8 238.2
98 67.9 48.7 73.1





#13

Acrolein

Concen: 62.42 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.02 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 56 Resp: 20440

Ion Ratio Lower Upper

56 100

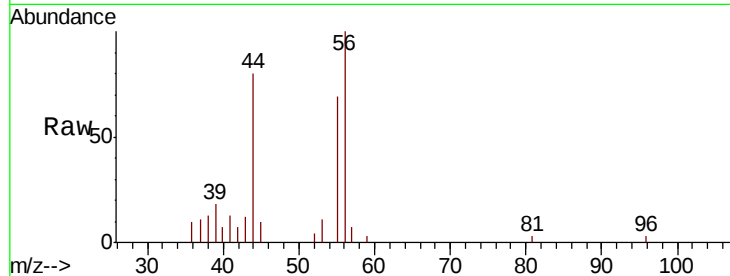
55 68.6 61.9 92.9

Manual Integrations

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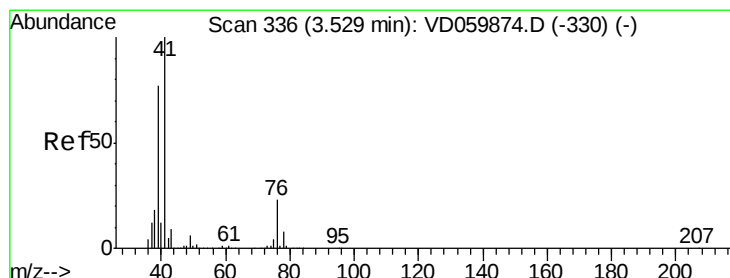
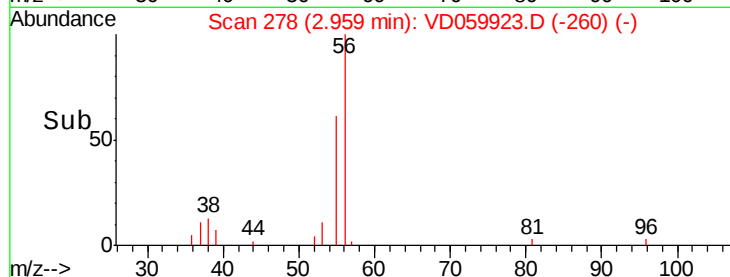
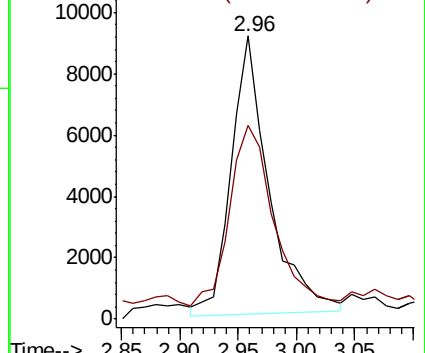
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.97 ug/l

RT: 3.50 min Scan# 333

Delta R.T. -0.03 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

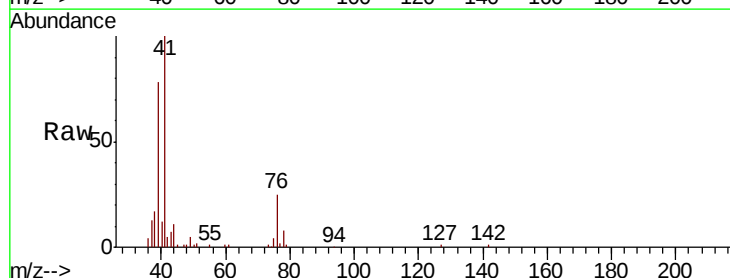
Tgt Ion: 41 Resp: 185737

Ion Ratio Lower Upper

41 100

39 77.5 61.8 92.6

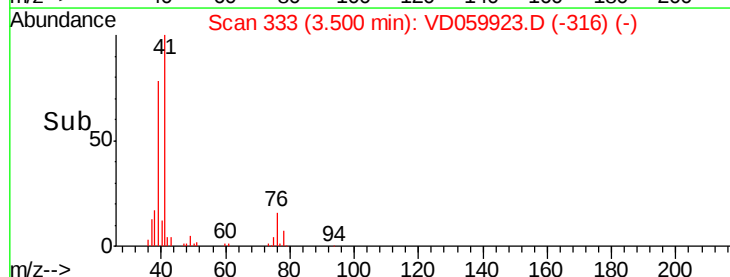
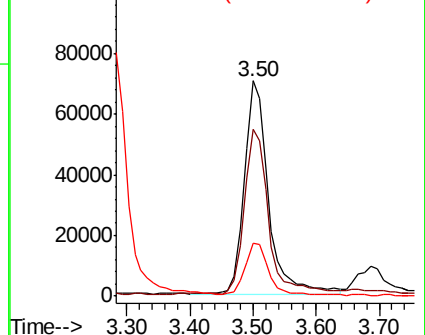
76 24.6 19.4 29.2

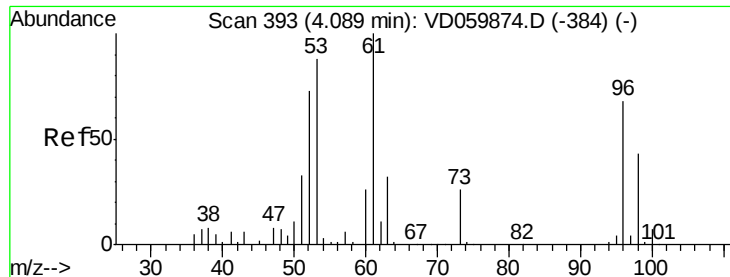


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.53 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

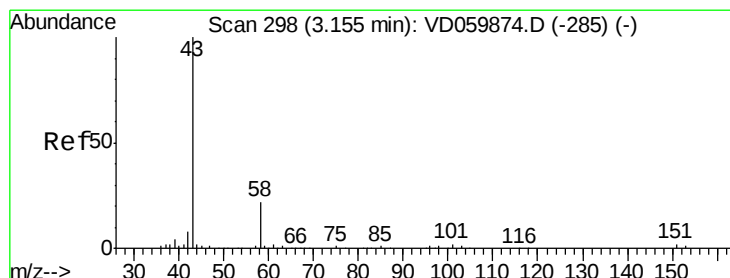
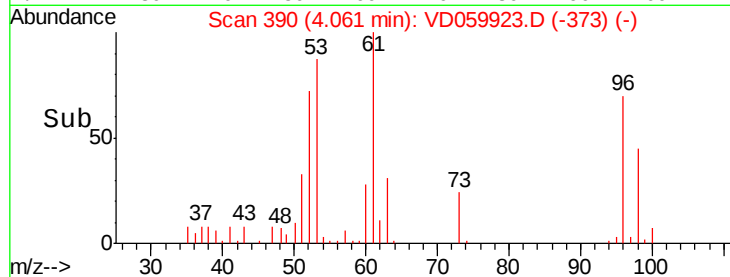
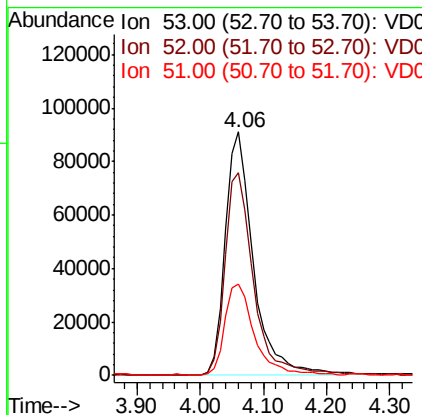
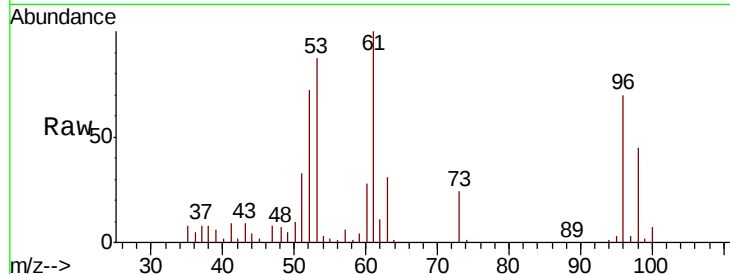
ClientSampleId :

VD0830SBS01

Tot Ion:	53	Resp:	281400
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.9	100.3
51	37.4	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 100.19 ug/l

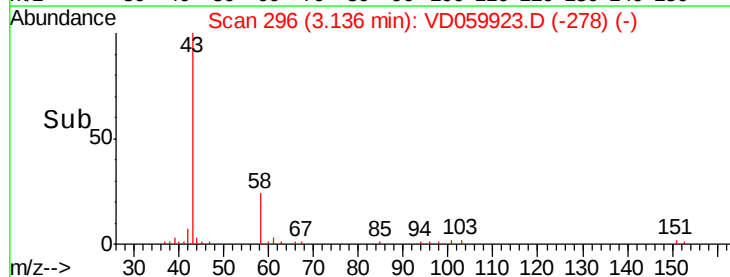
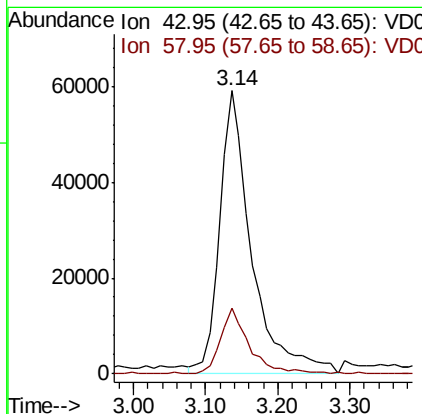
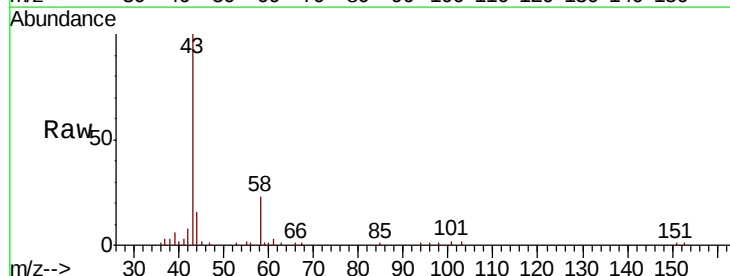
RT: 3.14 min Scan# 296

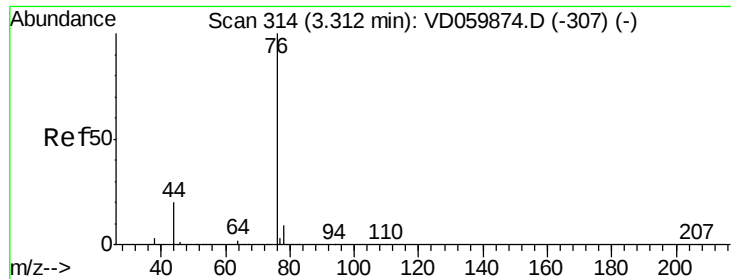
Delta R.T. -0.02 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Tgt Ion:	43	Resp:	180614
Ion	Ratio	Lower	Upper
43	100		
58	23.4	17.6	26.4





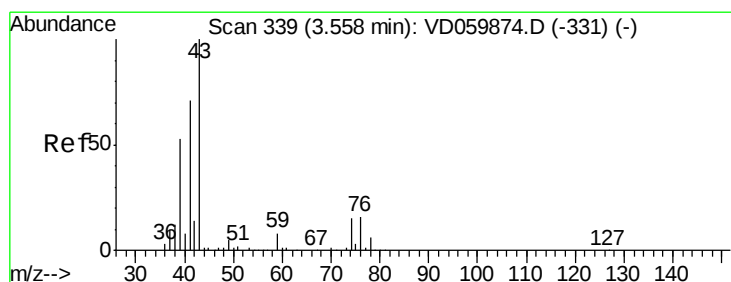
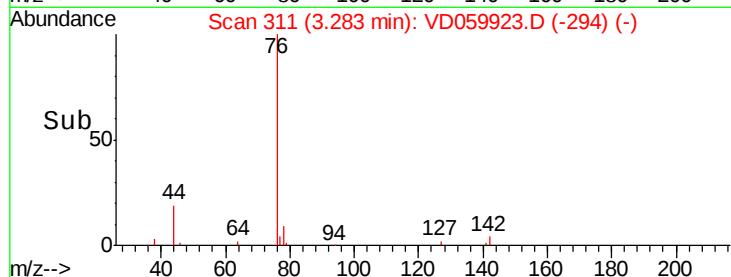
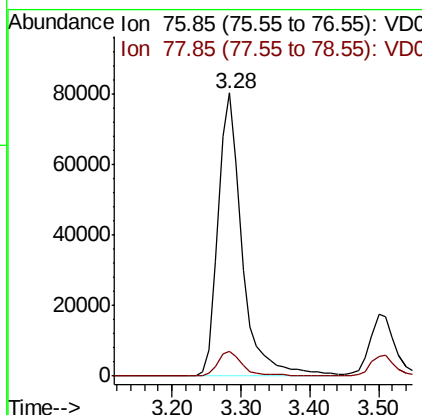
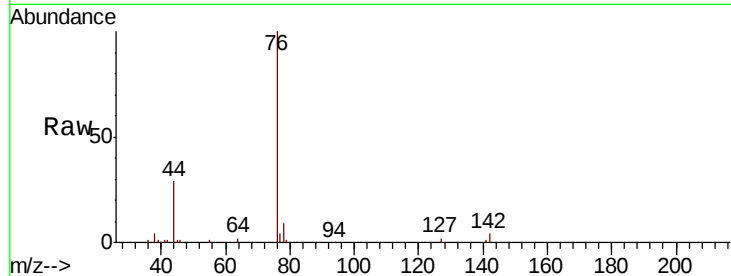
#17
Carbon Disulfide
Concen: 15.23 ug/l
RT: 3.28 min Scan# 311
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

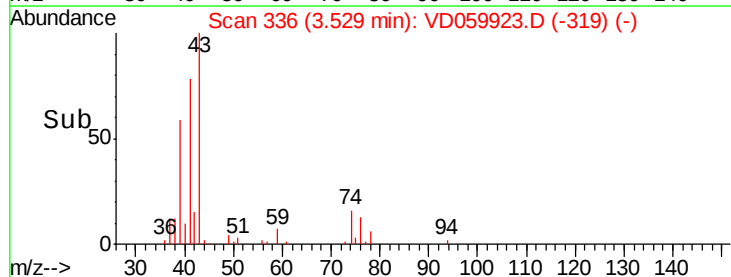
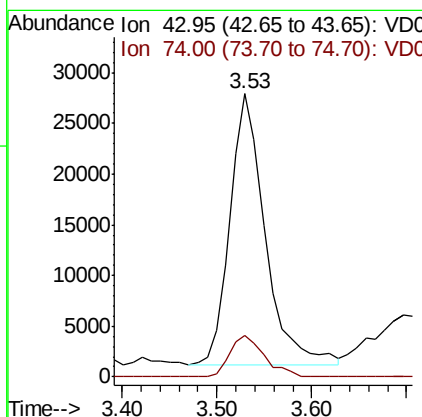
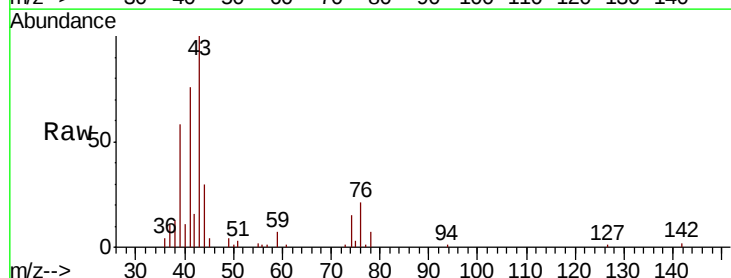
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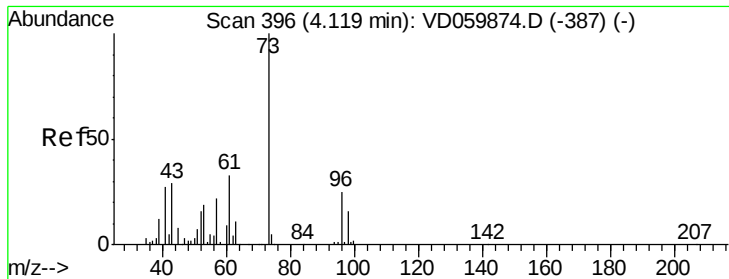
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#18
Methyl Acetate
Concen: 18.45 ug/l
RT: 3.53 min Scan# 336
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.6	11.2	16.8





#19

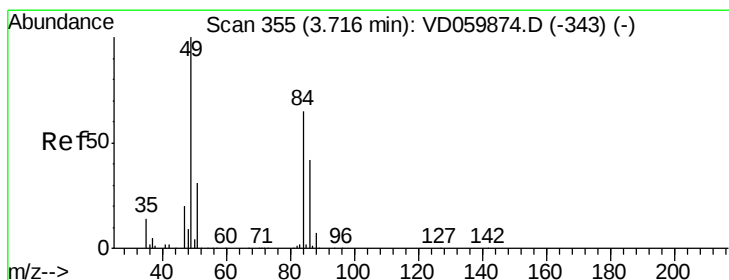
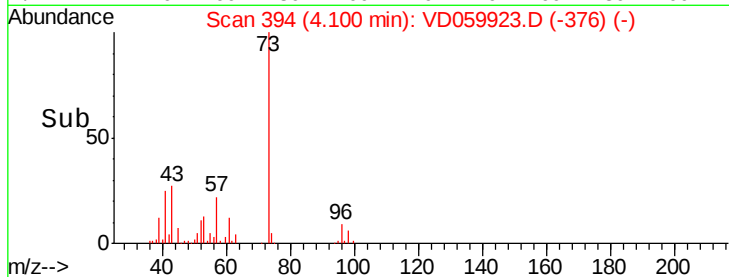
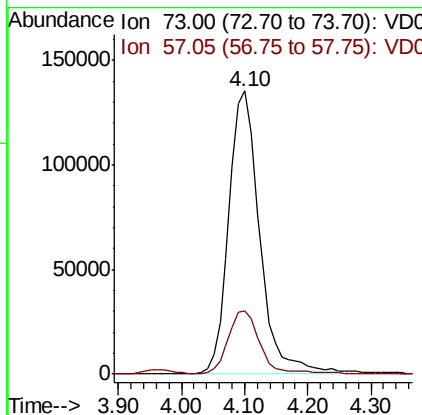
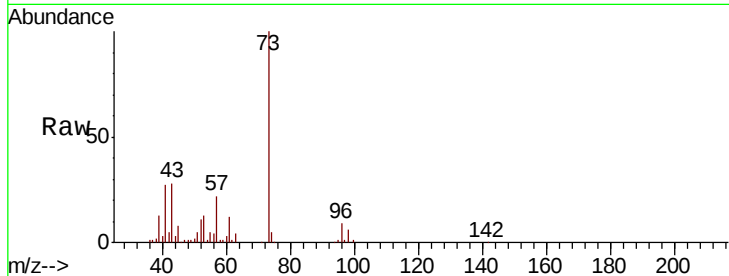
Methyl tert-butyl Ether
 Concen: 19.77 ug/l
 RT: 4.10 min Scan# 394
 Delta R.T. -0.02 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9

Manual Integrations
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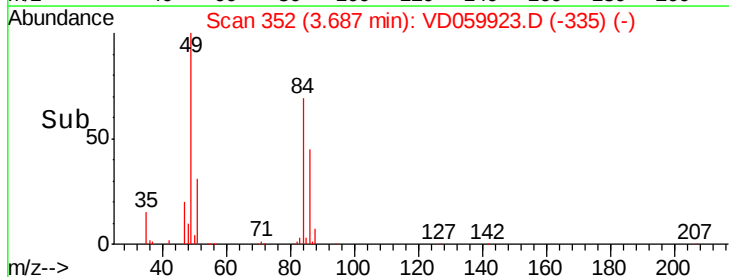
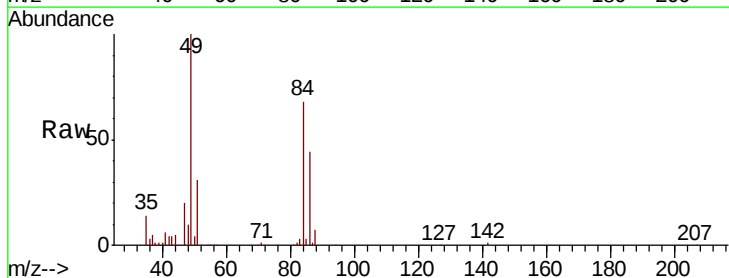
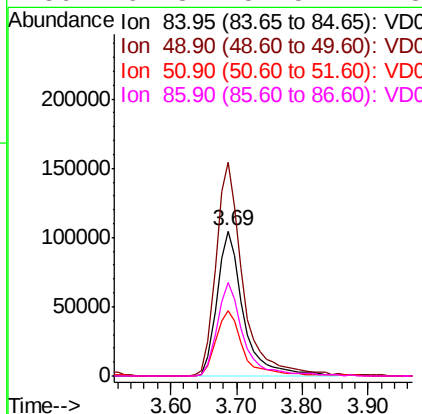
apatel
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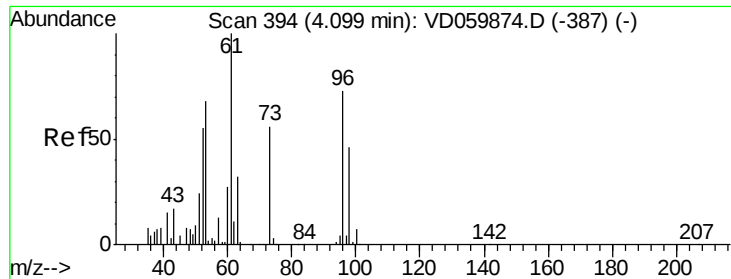


#20

Methylene Chloride
 Concen: 22.03 ug/l
 RT: 3.69 min Scan# 352
 Delta R.T. -0.03 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	147.5	122.6	183.8
51	45.3	38.4	57.6
86	64.8	51.5	77.3





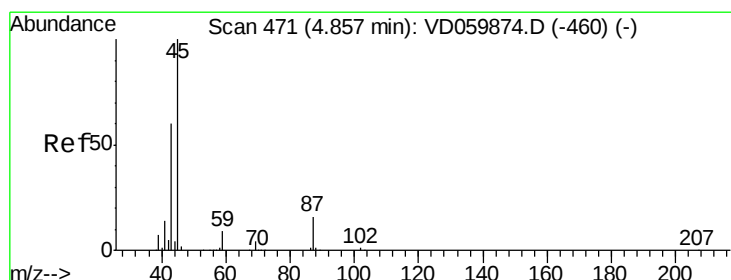
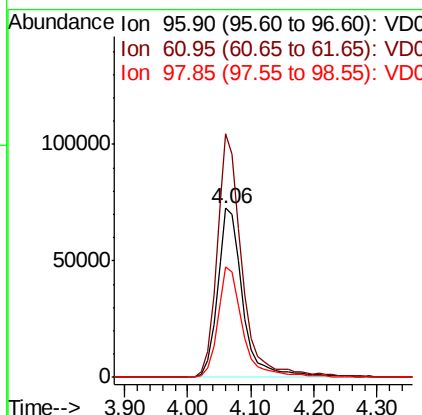
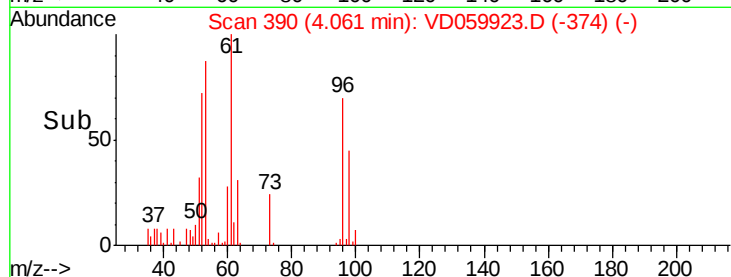
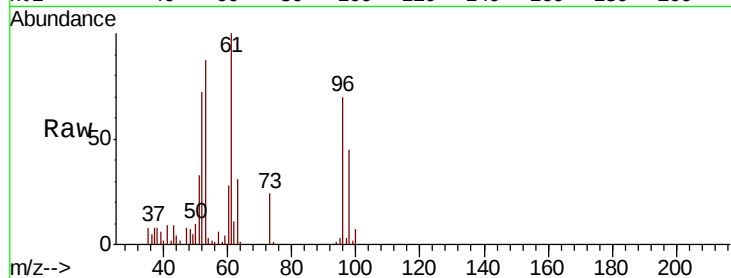
#21
trans-1,2-Dichloroethene
Concen: 17.92 ug/l
RT: 4.06 min Scan# 390
Delta R.T. -0.04 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	110.2	165.4
98	65.2	50.9	76.3

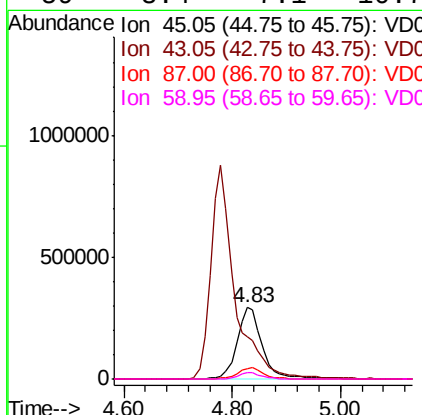
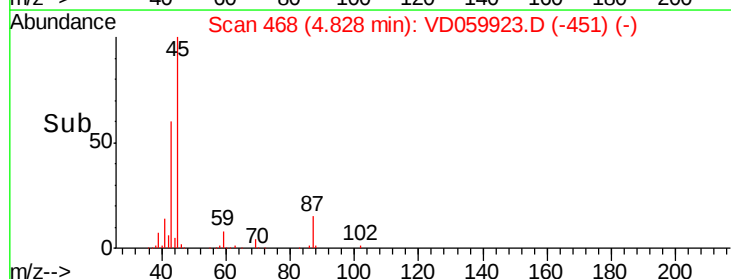
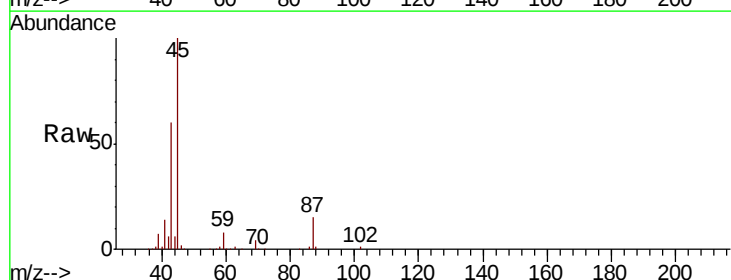
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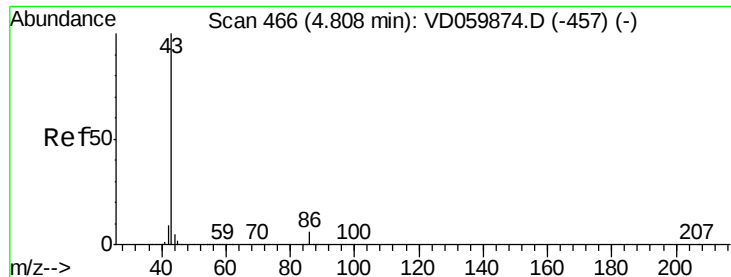
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#22
Diisopropyl ether
Concen: 19.82 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.1	48.6	72.8
87	15.1	13.3	19.9
59	8.4	7.1	10.7





#23

Vinyl Acetate

Concen: 101.51 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 43 Resp: 2691873

Ion Ratio Lower Upper

43 100

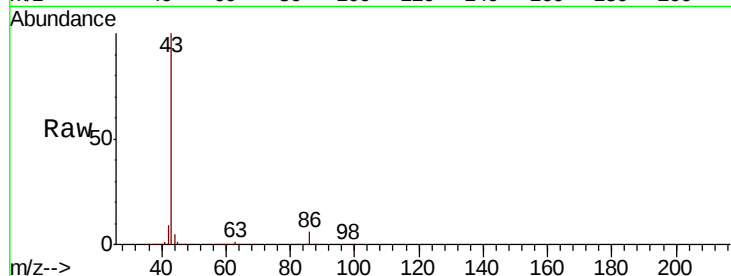
86 6.3 5.0 7.6

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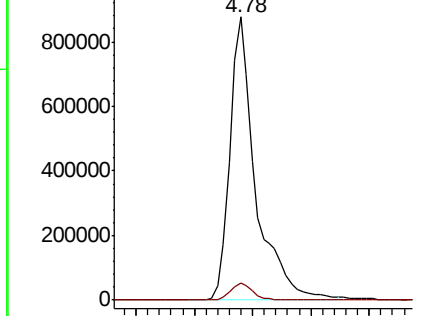
apatel

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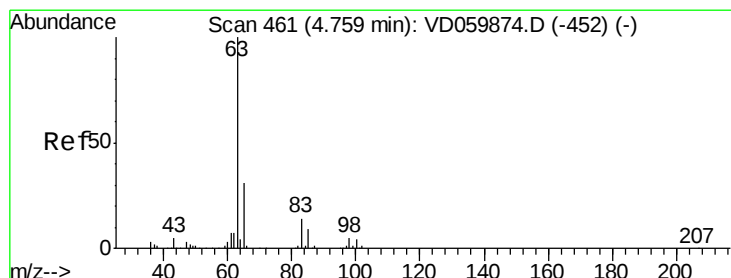
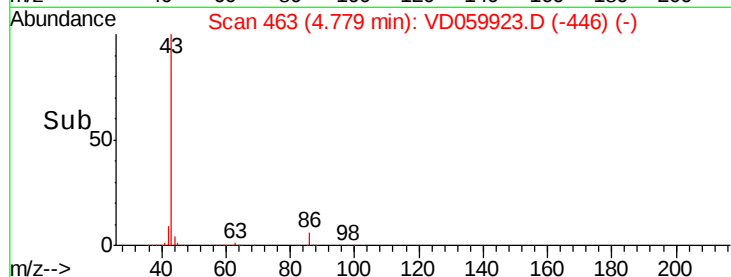


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 19.53 ug/l

RT: 4.73 min Scan# 458

Delta R.T. -0.03 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

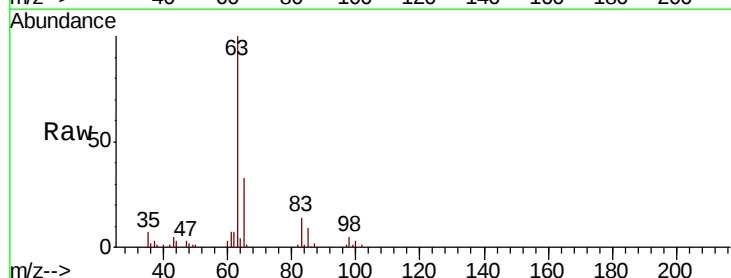
Tgt Ion: 63 Resp: 400175

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

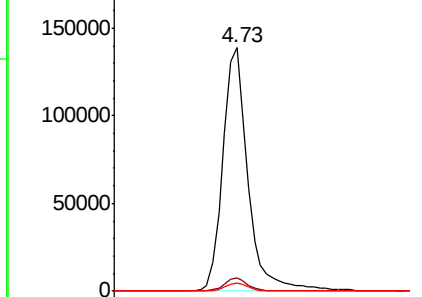
100 3.4 1.8 5.3



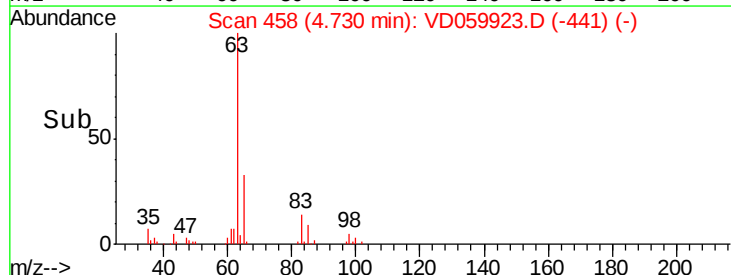
Abundance Ion 62.95 (62.65 to 63.65): VDC

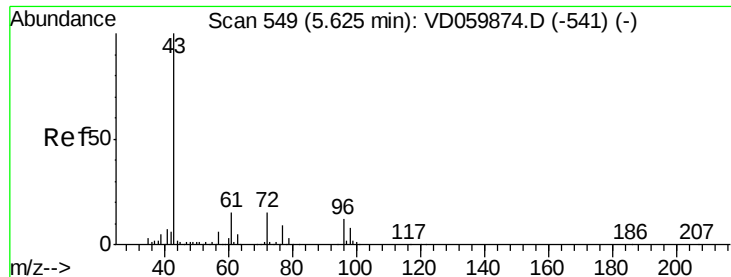
Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->





#25

2-Butanone

Concen: 88.11 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.02 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 43 Resp: 470455

Ion Ratio Lower Upper

43 100

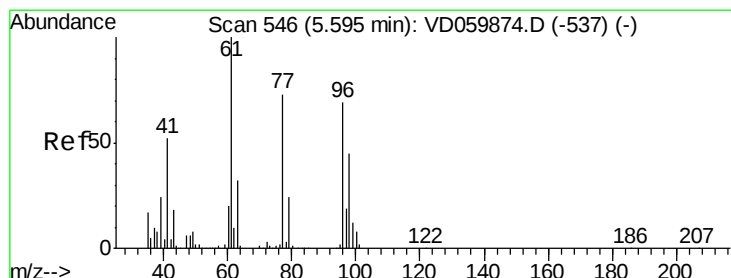
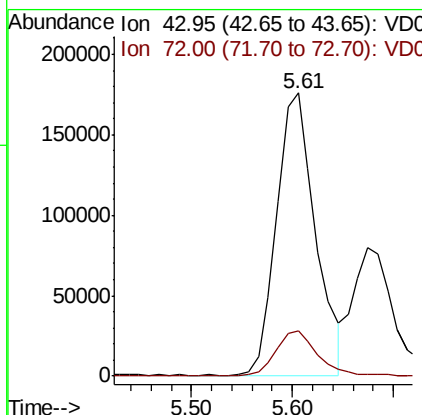
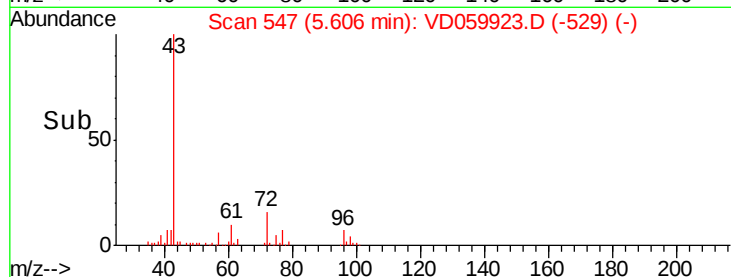
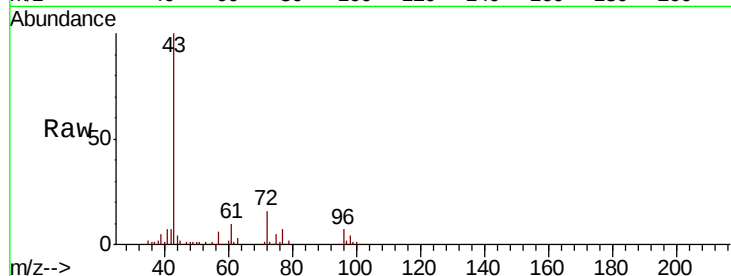
72 16.2 12.3 18.5

Manual Integrations

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apatel

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#26

2,2-Dichloropropane

Concen: 19.66 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059923.D

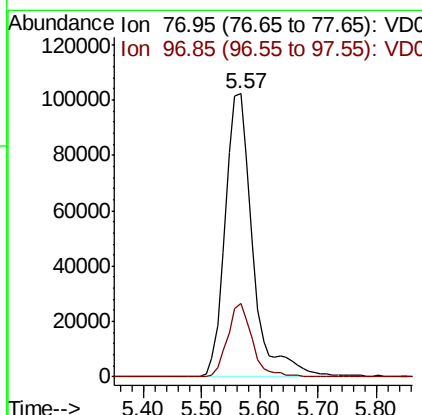
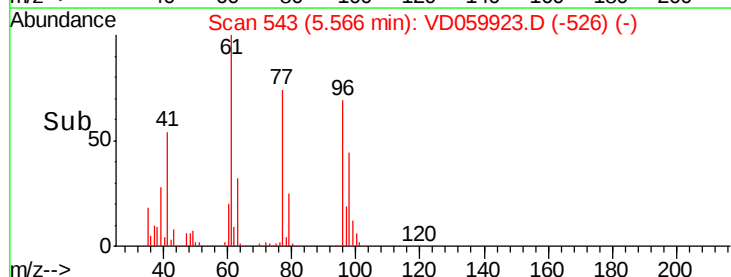
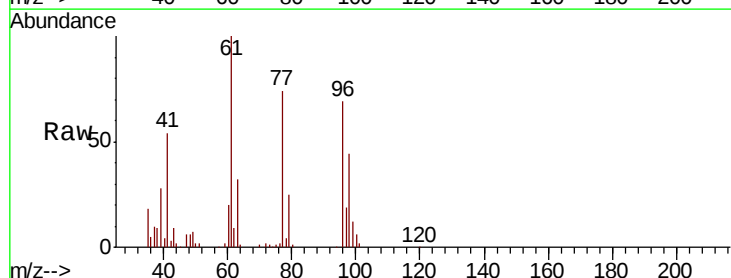
Acq: 30 Aug 2018 13:03

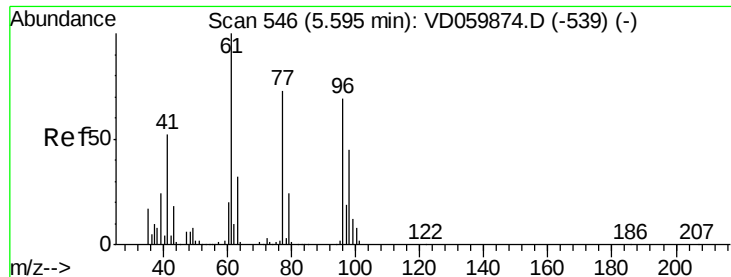
Tgt Ion: 77 Resp: 336810

Ion Ratio Lower Upper

77 100

97 25.9 13.0 38.9





#27

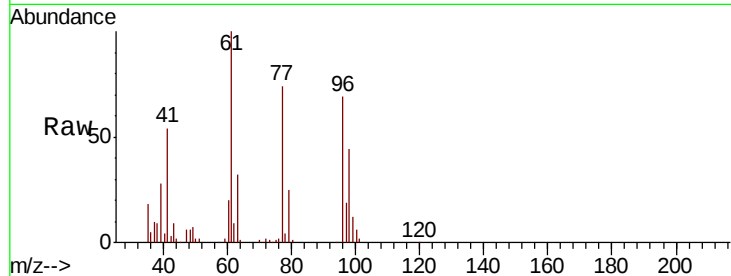
cis-1,2-Dichloroethene
 Concen: 19.54 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. -0.03 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

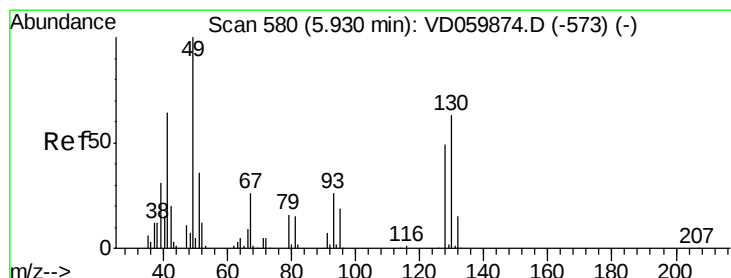
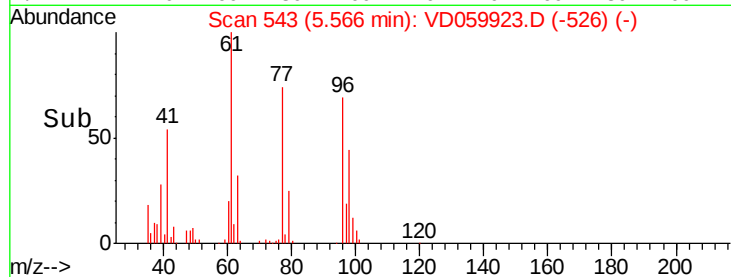
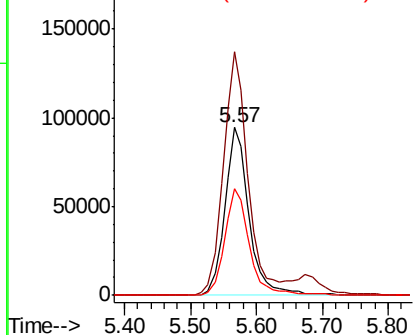
Tot Ion	Ratio	Resp	Lower	Upper
96	100	242360		
61	144.9	0.0	290.2	
98	63.8	0.0	130.4	

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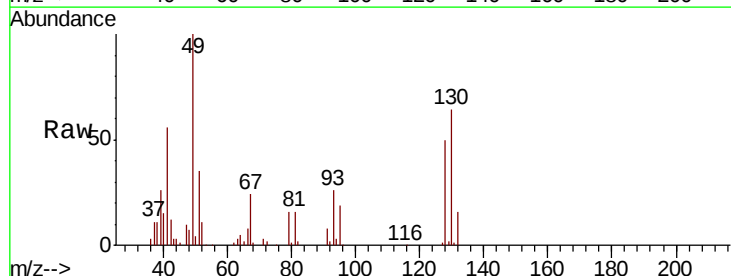
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



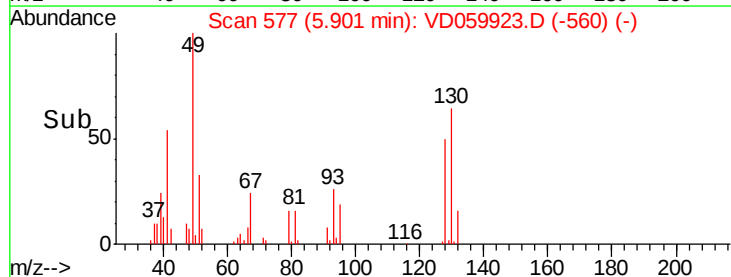
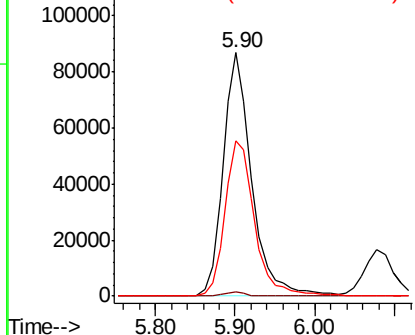
#28

Bromochloromethane
 Concen: 22.16 ug/l
 RT: 5.90 min Scan# 577
 Delta R.T. -0.03 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	217608		
129	1.6	0.0	3.2	
130	64.0	50.6	75.8	



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





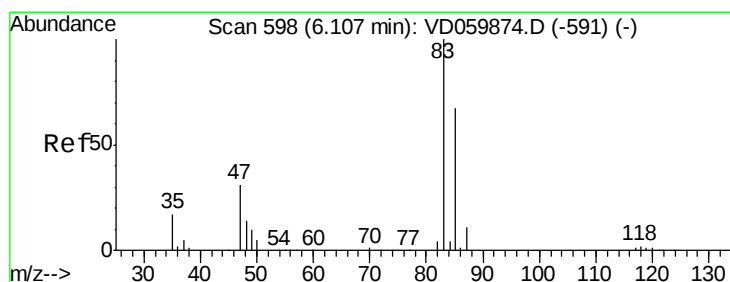
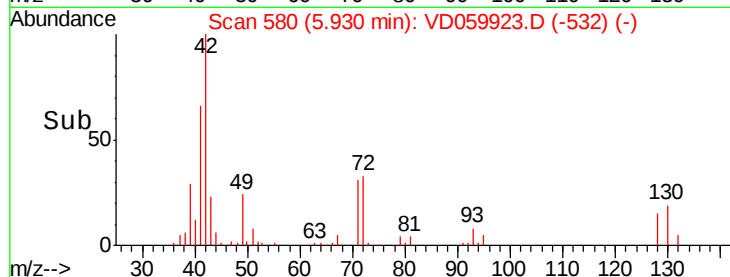
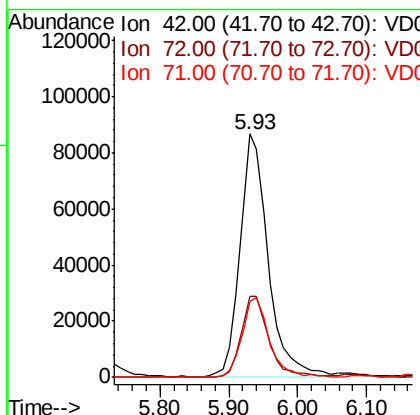
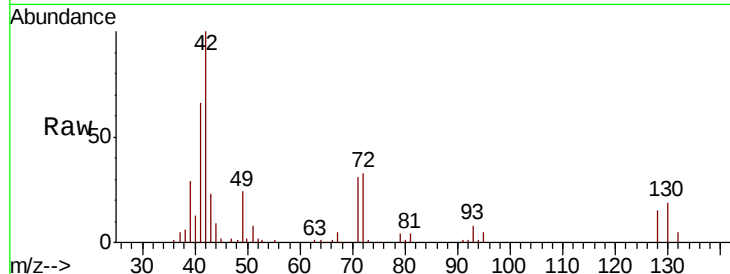
#29
Tetrahydrofuran
Concen: 97.69 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.3	25.7	38.5
71	31.4	25.3	37.9

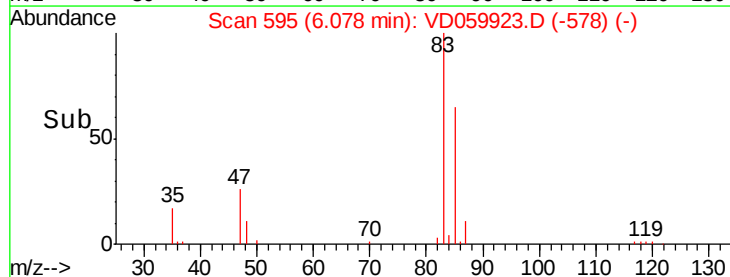
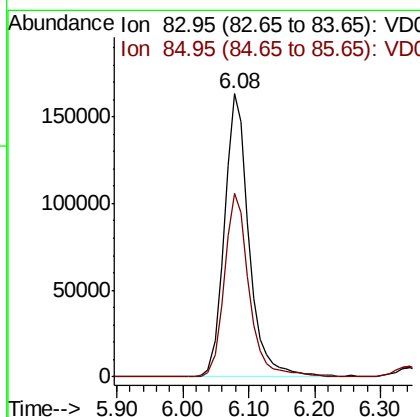
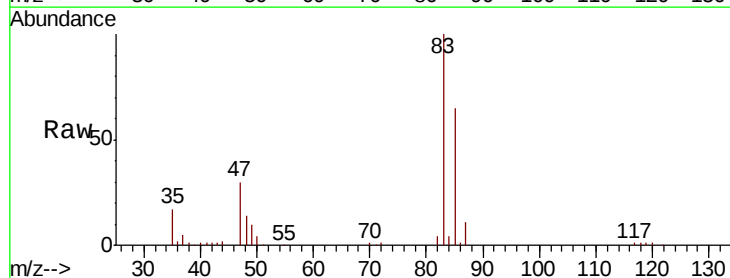
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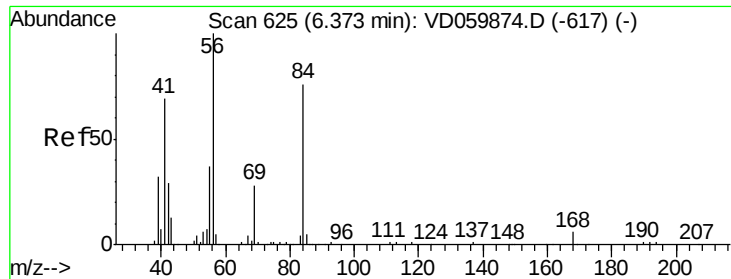
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#30
Chloroform
Concen: 20.47 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.5	80.3





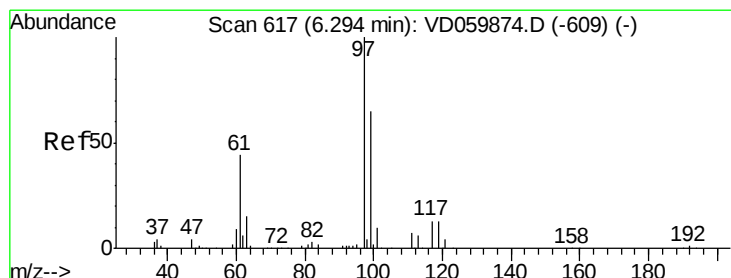
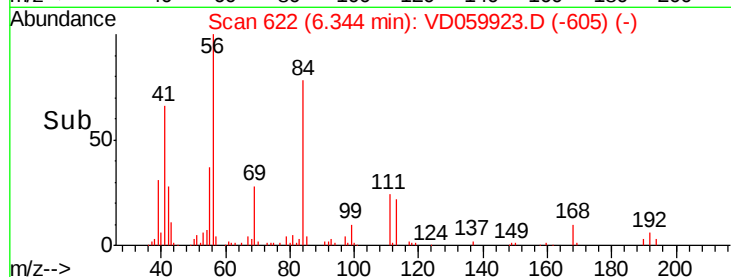
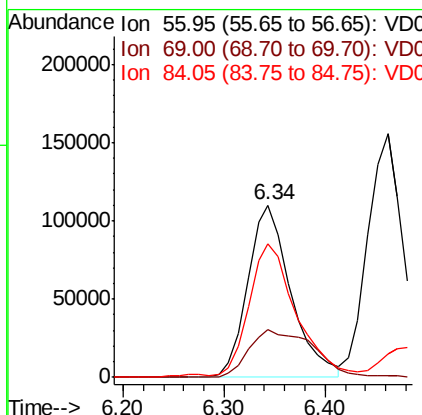
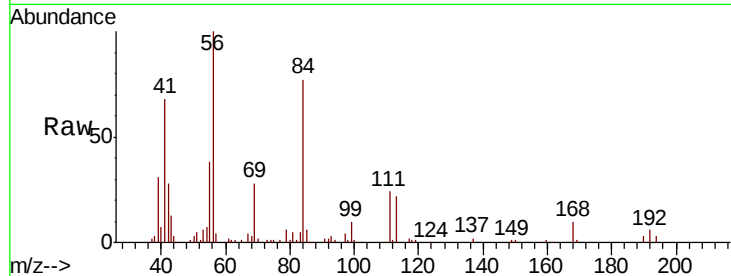
#31
Cyclohexane
Concen: 17.32 ug/l
RT: 6.34 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.7	22.4	33.6
84	77.4	62.1	93.1

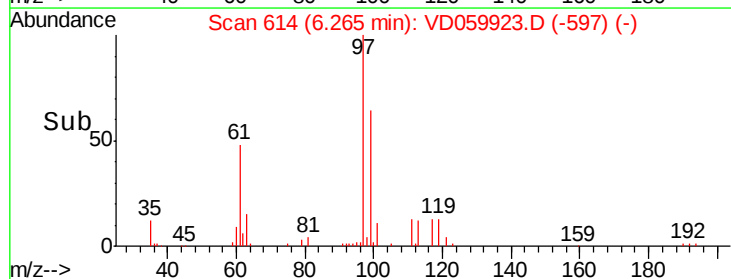
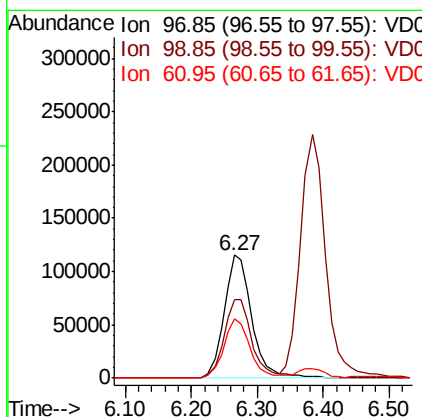
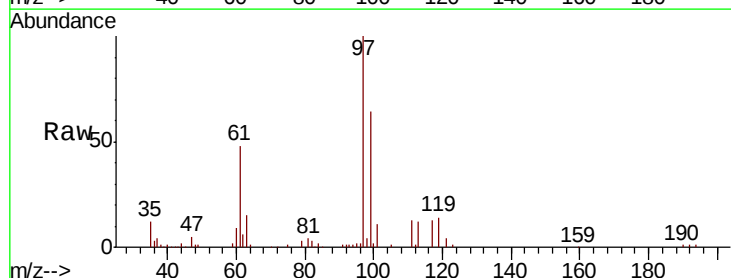
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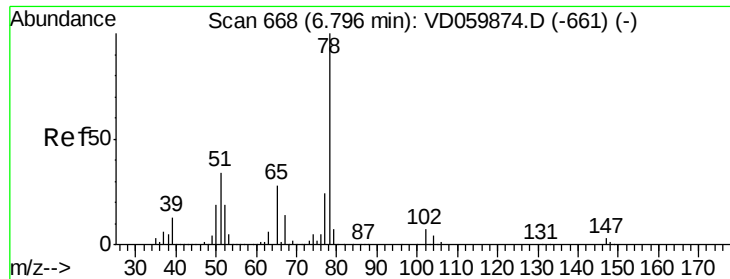
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#32
1,1,1-Trichloroethane
Concen: 19.10 ug/l
RT: 6.27 min Scan# 614
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	47.8	35.4	53.2





#33

1,2-Dichloroethane-d4

Concen: 19.10 ug/l

RT: 6.77 min Scan# 665

Delta R.T. -0.03 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Tot Ion: 65 Resp: 495040

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.8

Instrument :

MSVOA_D

ClientSampleId :

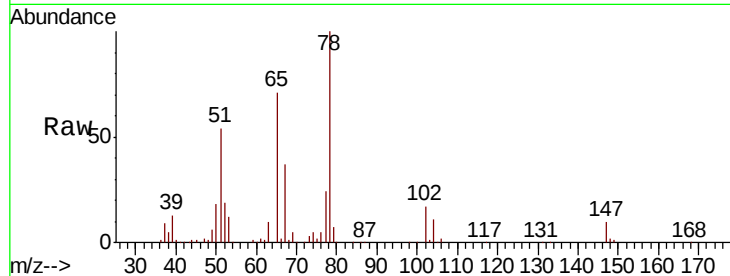
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.77

200000

150000

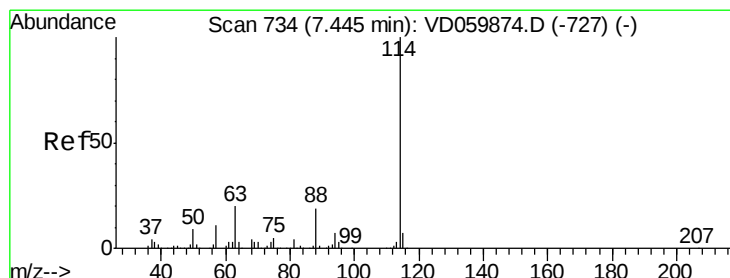
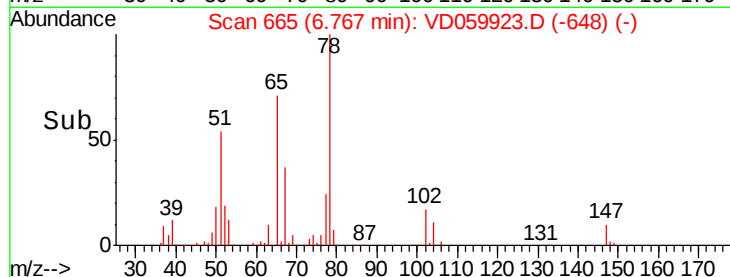
100000

50000

0

6.70 6.80

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 732

Delta R.T. -0.02 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

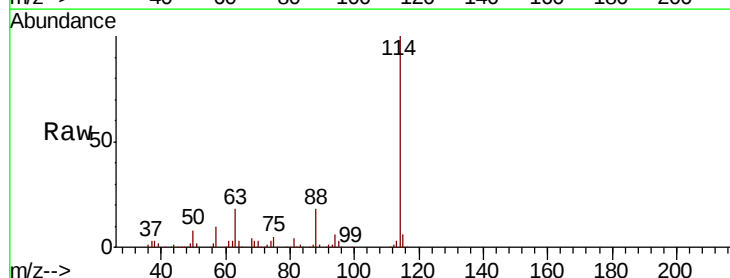
Tgt Ion:114 Resp: 1604302

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.4

88 18.1 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.43

800000

600000

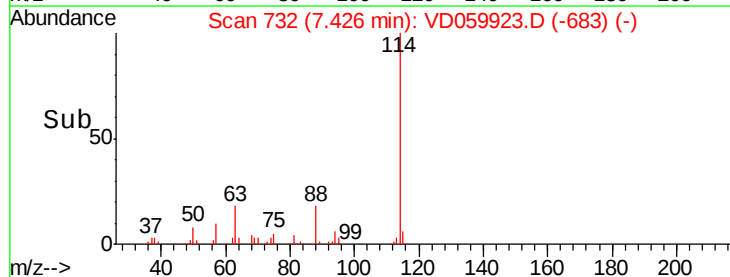
400000

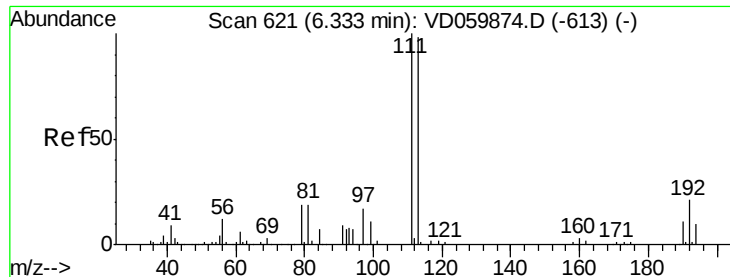
200000

0

7.20 7.40 7.60

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 618

Delta R.T. -0.03 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

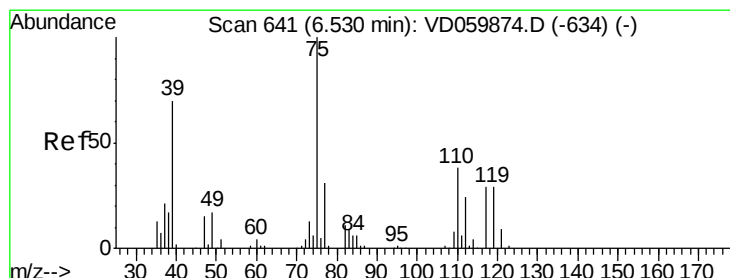
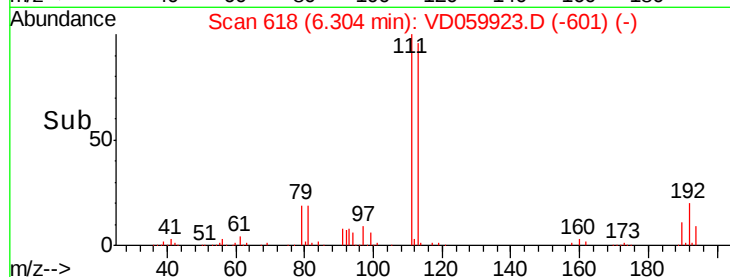
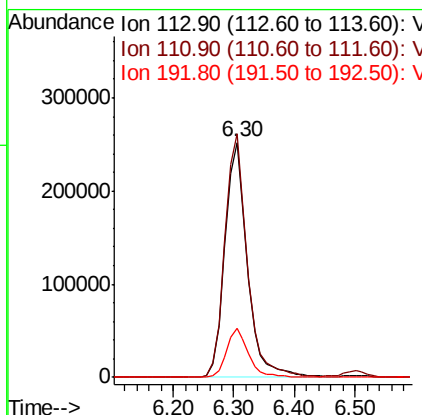
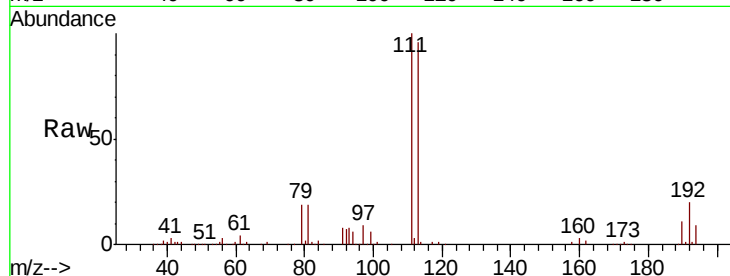
ClientSampleId :

VD0830SBS01

Tot Ion:	113	Resp:	651366
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.4	122.2
192	20.9	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 19.87 ug/l

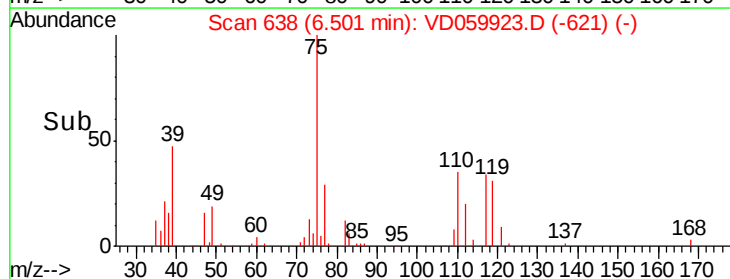
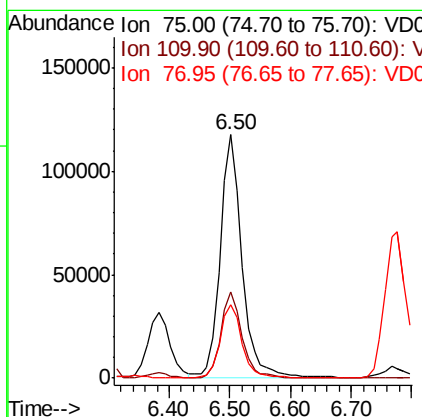
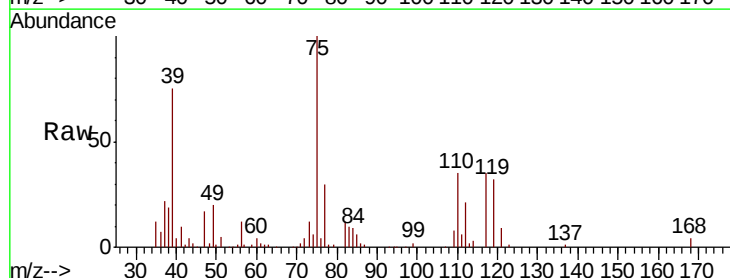
RT: 6.50 min Scan# 638

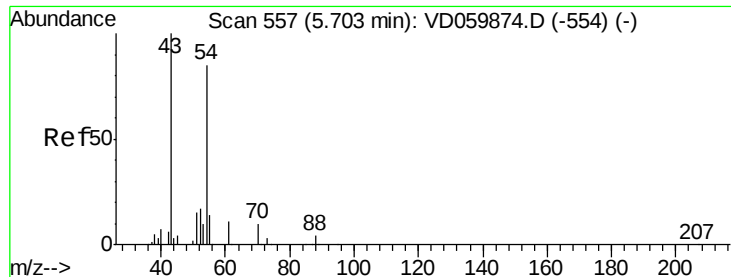
Delta R.T. -0.03 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Tgt Ion:	75	Resp:	288985
Ion Ratio	Lower	Upper	
75	100		
110	35.3	18.6	56.0
77	30.0	25.1	37.7





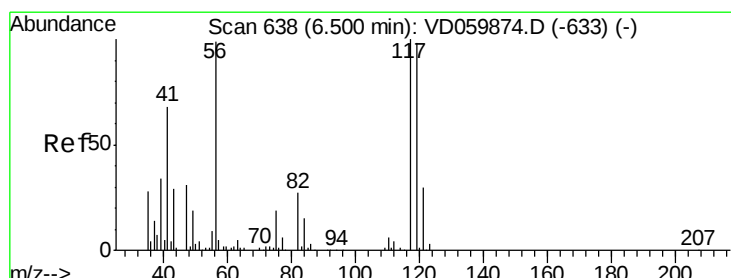
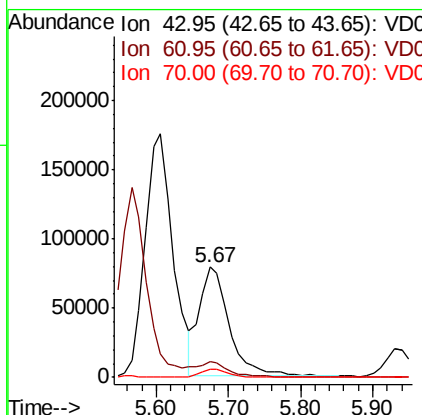
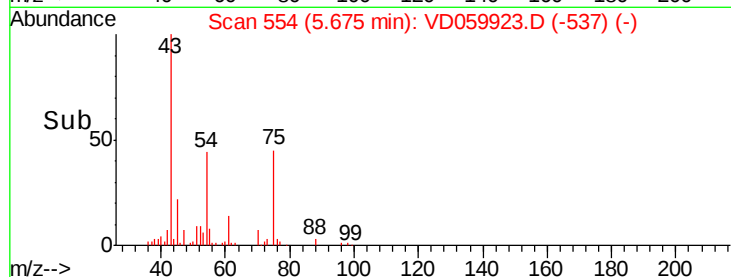
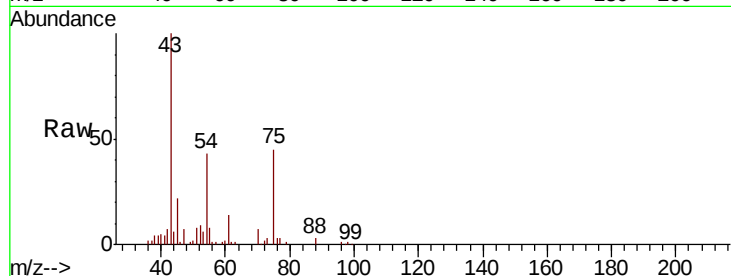
#37
Ethyl Acetate
Concen: 19.98 ug/l
RT: 5.67 min Scan# 554
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.6
70	7.2	5.7	8.5

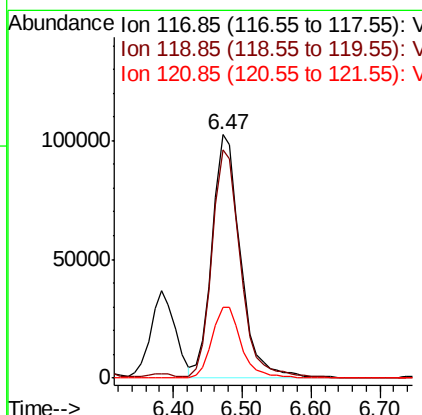
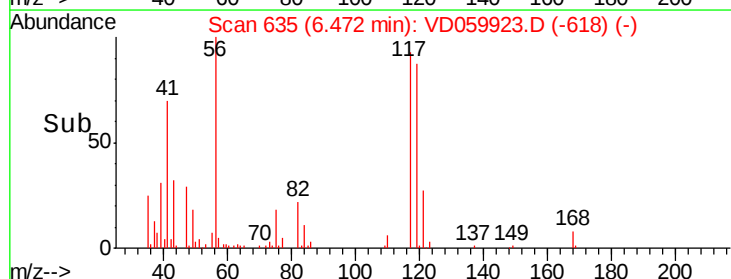
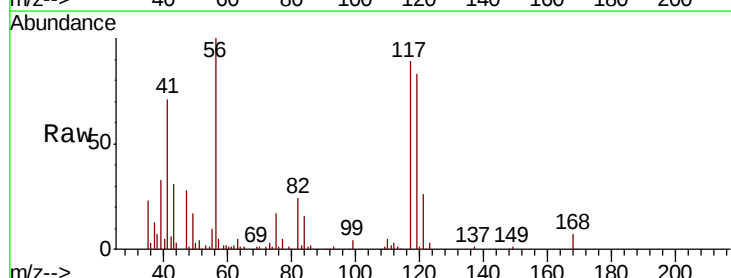
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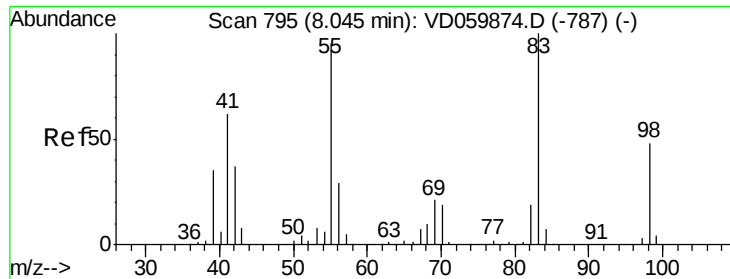
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#38
Carbon Tetrachloride
Concen: 20.12 ug/l
RT: 6.47 min Scan# 635
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.2	115.8
121	29.2	24.0	36.0





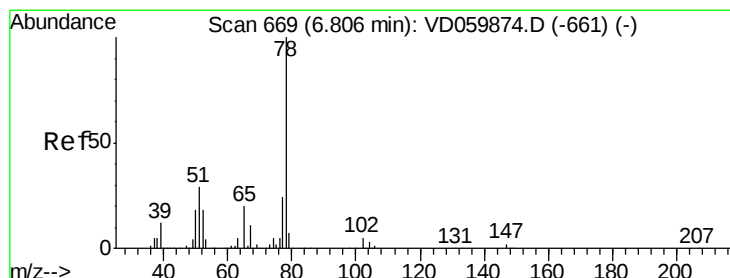
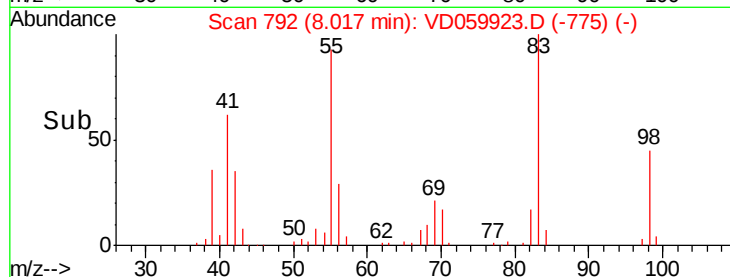
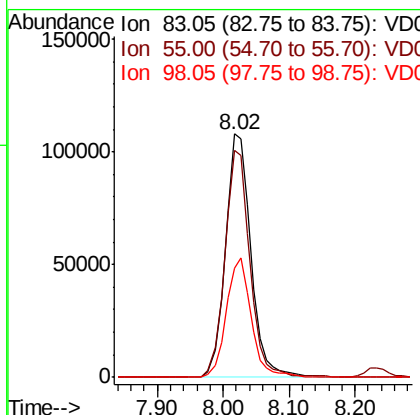
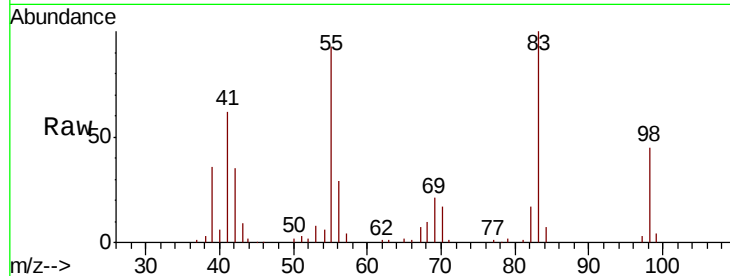
#39
Methvlcvclohexane
Concen: 18.53 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.2	75.8	113.6
98	45.0	38.3	57.5

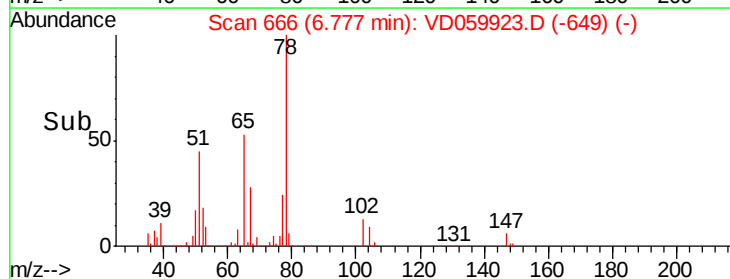
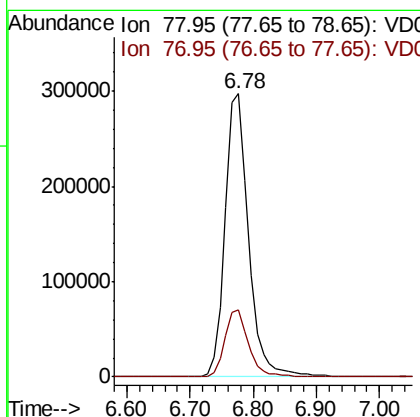
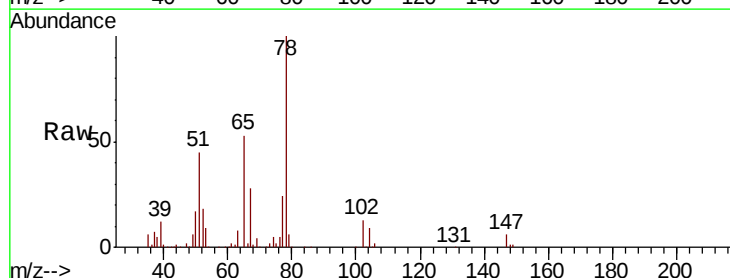
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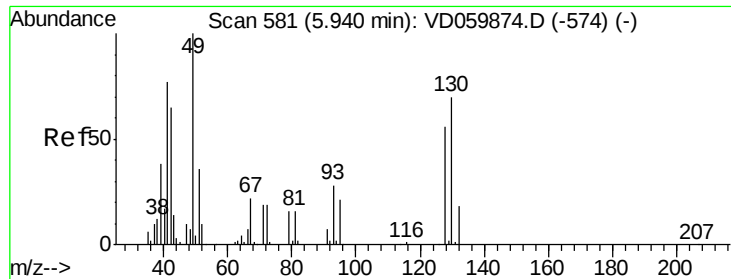
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#40
Benzene
Concen: 20.22 ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





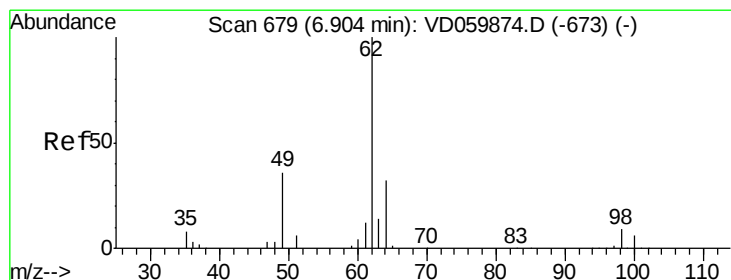
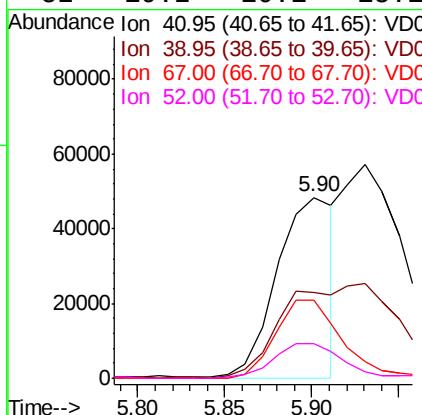
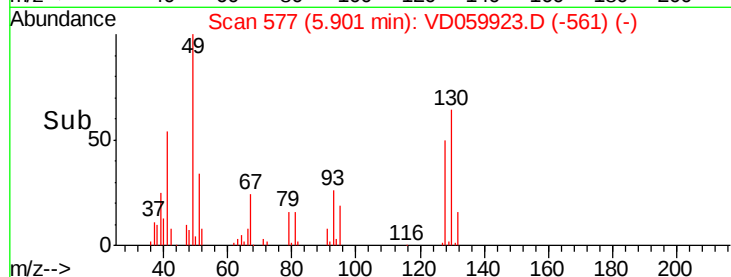
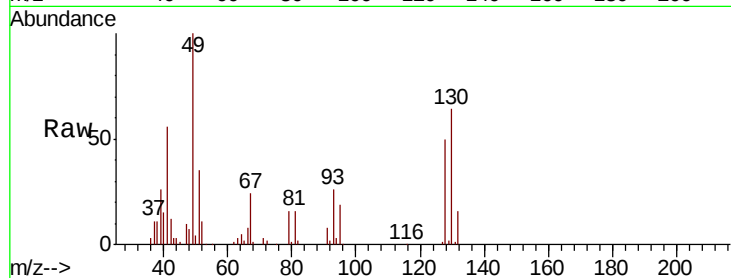
#41
Methacrylonitrile
Concen: 19.57 ug/l m
RT: 5.90 min Scan# 577
Delta R.T. -0.04 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.5	39.4	59.2
67	43.3	22.2	33.2#
52	19.2	10.1	15.1#

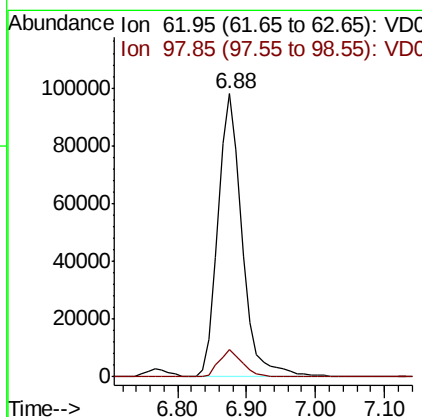
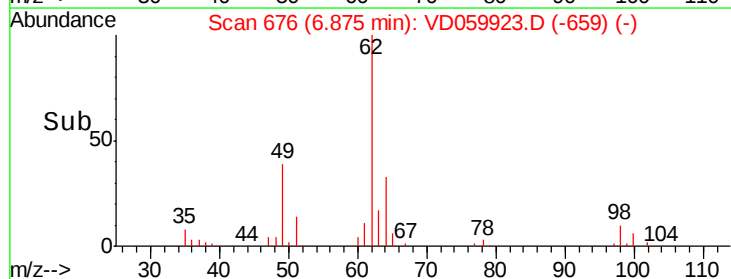
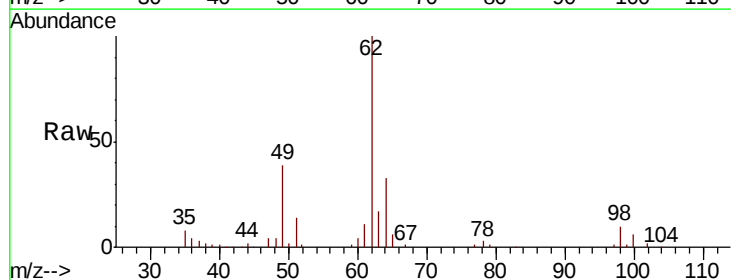
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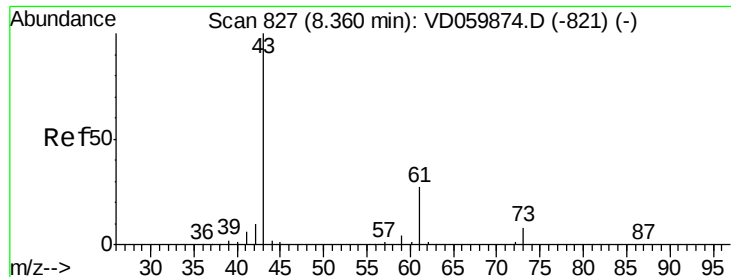
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#42
1,2-Dichloroethane
Concen: 19.63 ug/l
RT: 6.88 min Scan# 676
Delta R.T. -0.03 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.4





#43

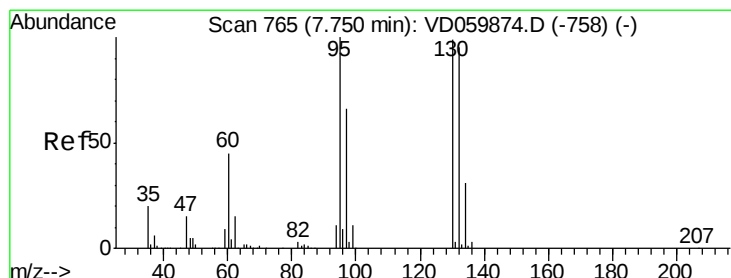
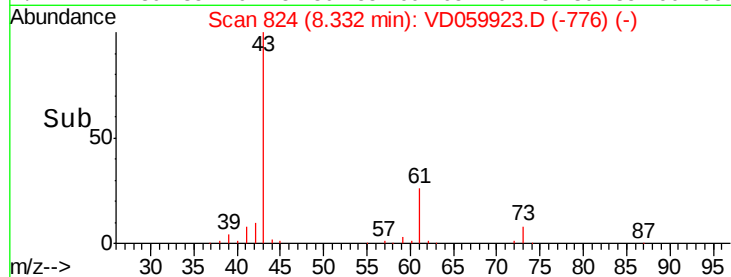
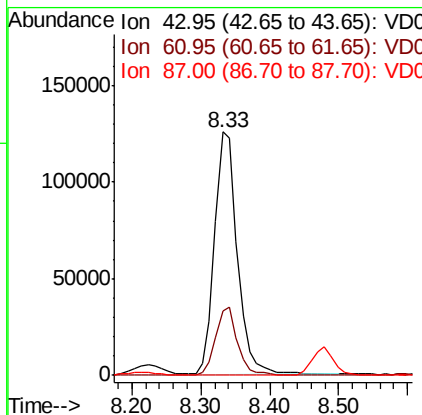
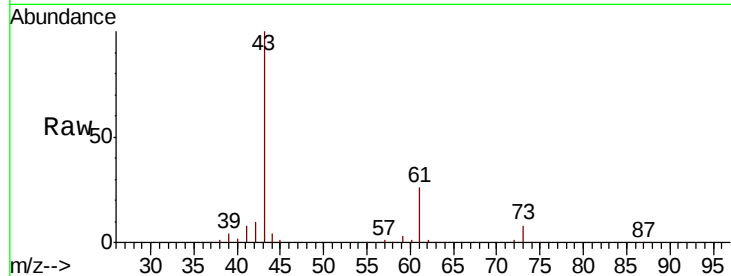
Isopropyl Acetate
 Concen: 19.63 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.4	32.2
87	0.4	0.2	0.4

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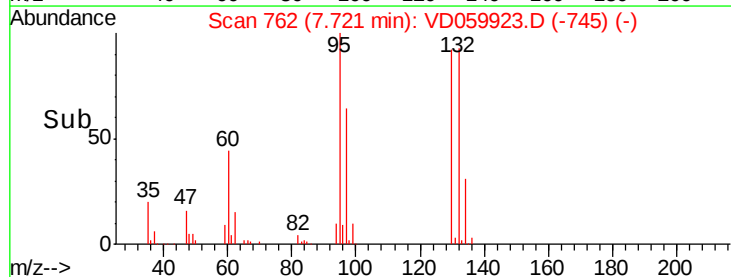
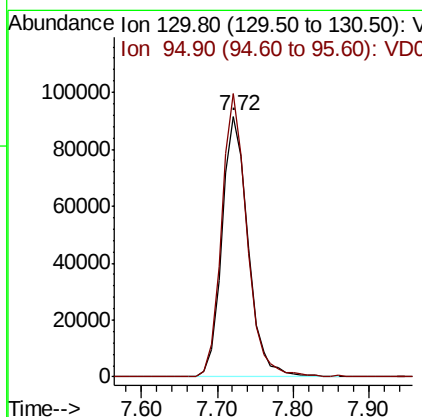
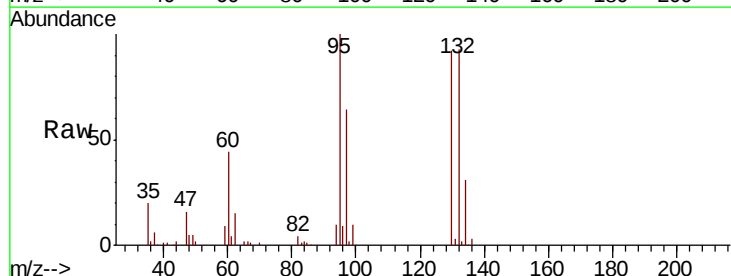
apatel
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#44

Trichloroethene
 Concen: 19.67 ug/l
 RT: 7.72 min Scan# 762
 Delta R.T. -0.03 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.6	0.0	202.0





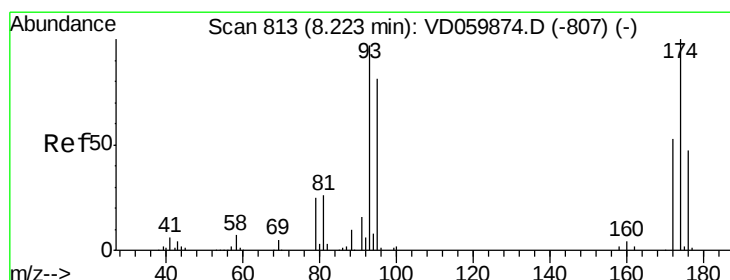
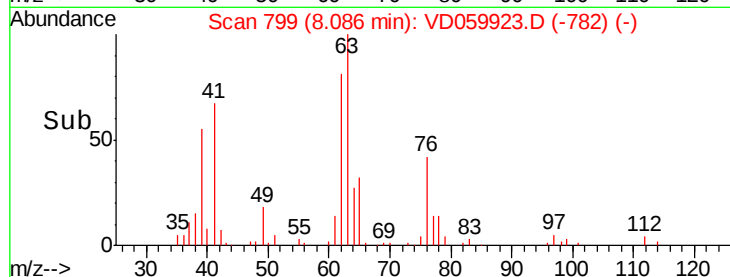
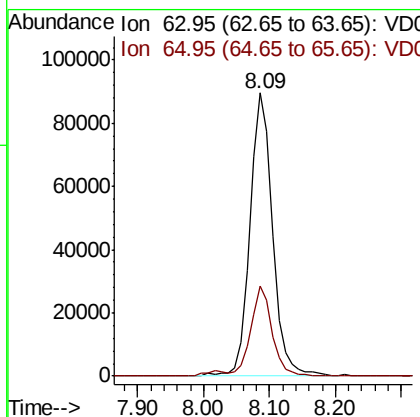
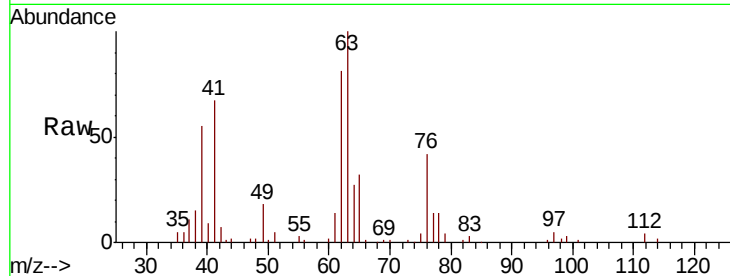
#45
 1,2-Dichloropropane
 Concen: 20.45 ug/l
 RT: 8.09 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion: 63 Resp: 216109
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.5 35.3

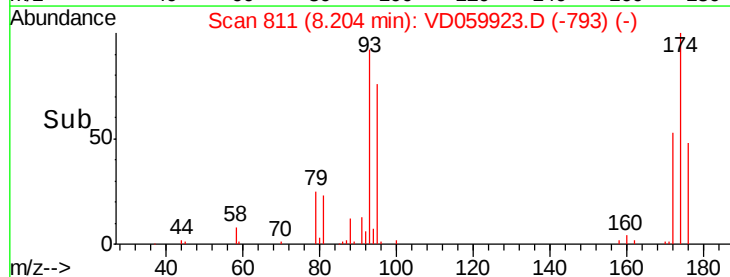
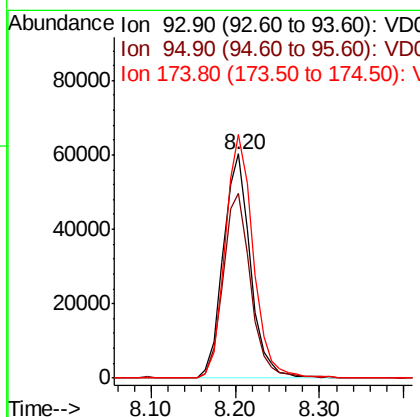
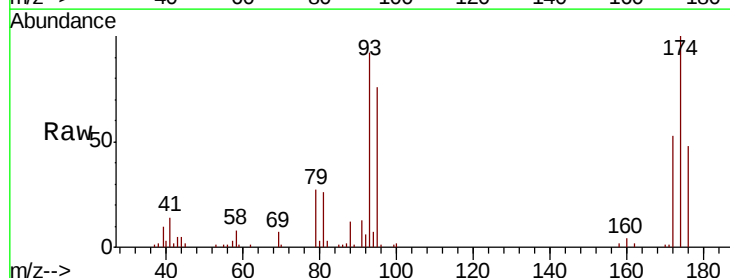
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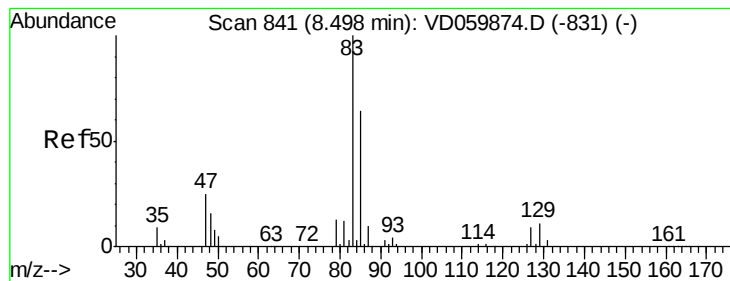
apatel
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#46
 Dibromomethane
 Concen: 19.83 ug/l
 RT: 8.20 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Tgt Ion: 93 Resp: 134789
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.6 100.0
 174 108.6 82.4 123.6





#47

Bromodichloromethane

Concen: 20.40 ug/l

RT: 8.48 min Scan# 839

Delta R.T. -0.02 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

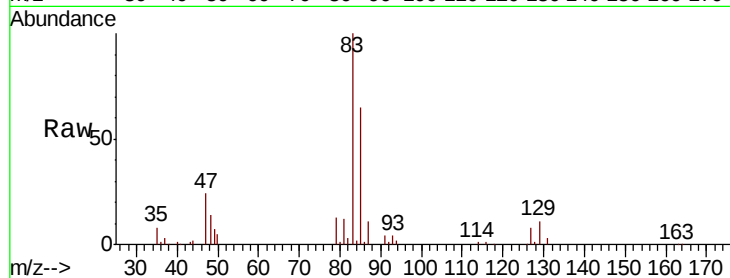
ClientSampleId :

VD0830SBS01

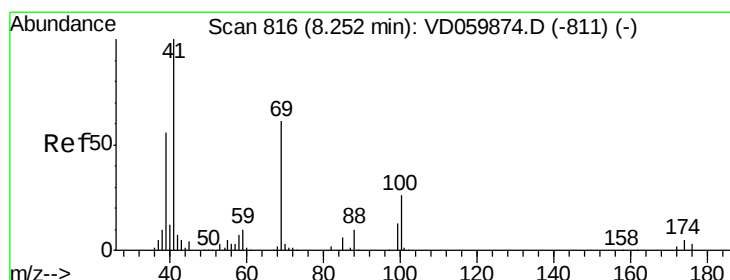
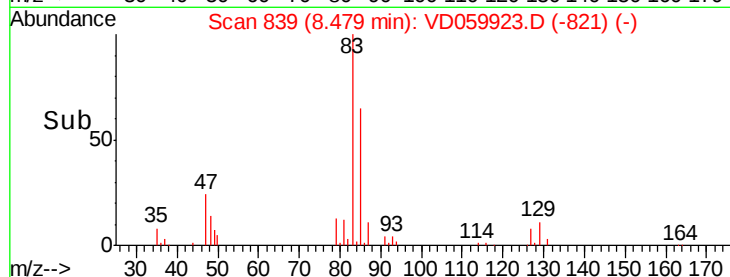
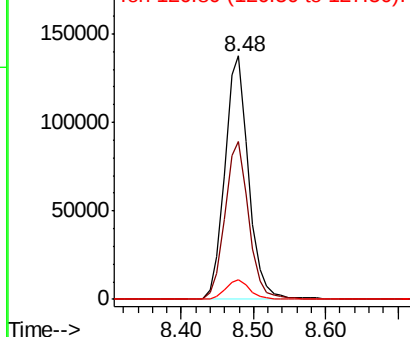
Tot Ion:	83	Resp:	313907
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.3	76.9
127	8.1	7.0	10.4

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



#48

Methyl methacrylate

Concen: 19.92 ug/l

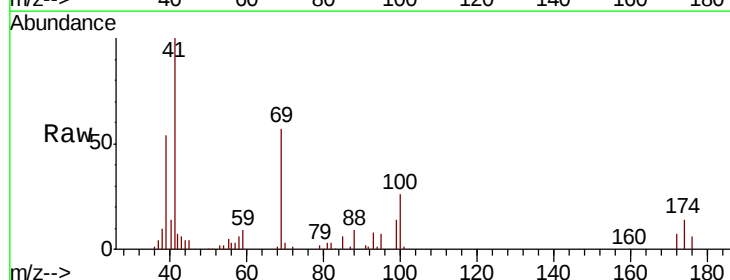
RT: 8.23 min Scan# 814

Delta R.T. -0.02 min

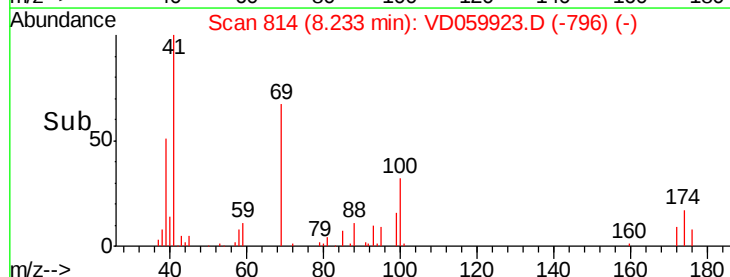
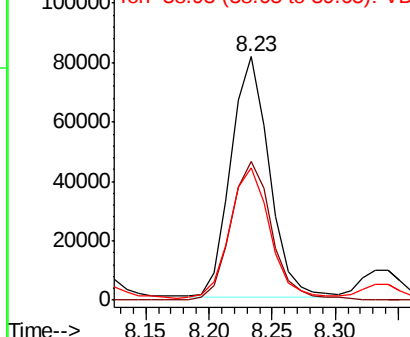
Lab File: VD059923.D

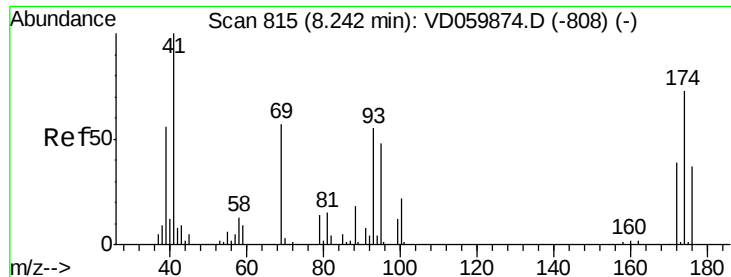
Acq: 30 Aug 2018 13:03

Tgt Ion:	41	Resp:	170987
Ion Ratio	Lower	Upper	
41	100		
69	57.1	48.0	72.0
39	54.4	45.4	68.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 423.01 ug/l

RT: 8.21 min Scan# 812

Delta R.T. -0.03 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 88 Resp: 32412

Ion Ratio Lower Upper

88 100

43 47.1 45.0 67.6

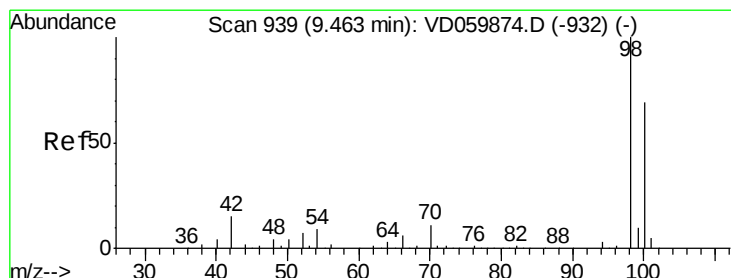
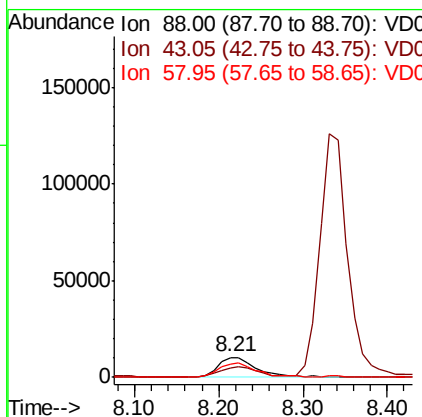
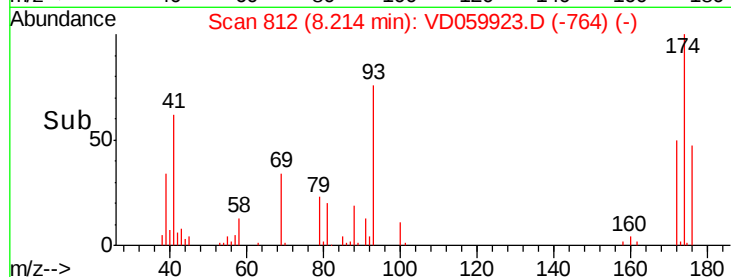
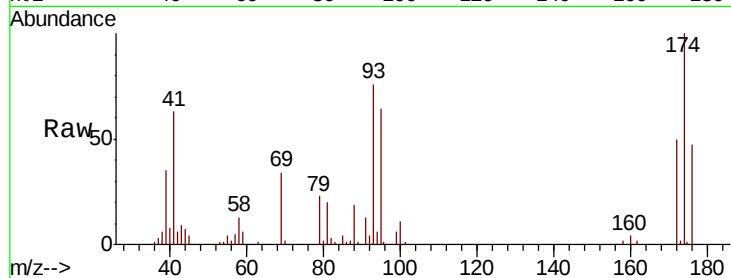
58 68.8 55.8 83.8

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#50

Toluene-d8

Concen: 423.01 ug/l

RT: 9.44 min Scan# 937

Delta R.T. -0.02 min

Lab File: VD059923.D

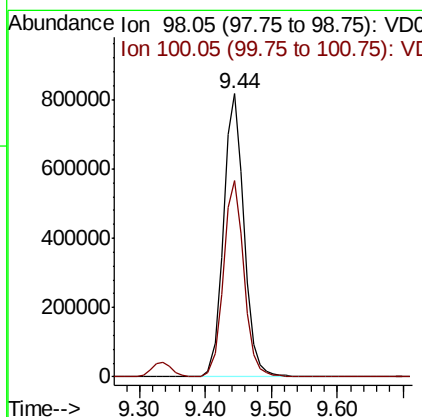
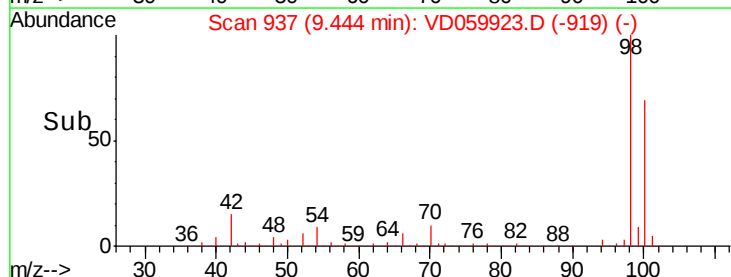
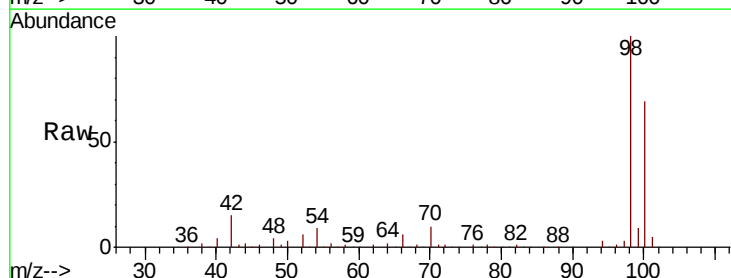
Acq: 30 Aug 2018 13:03

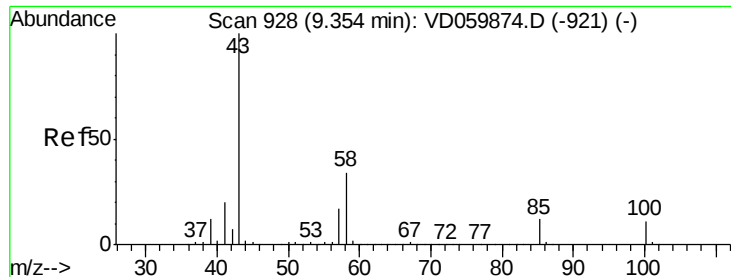
Tgt Ion: 98 Resp: 1782036

Ion Ratio Lower Upper

98 100

100 69.4 55.8 83.6





#51

4-Methyl-2-Pentanone

Concen: 90.21 ug/l

RT: 9.34 min Scan# 926

Delta R.T. -0.02 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 43 Resp: 990168

Ion Ratio Lower Upper

43 100

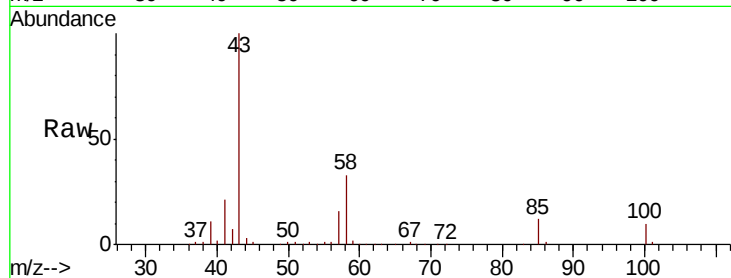
58 33.2 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.34

400000

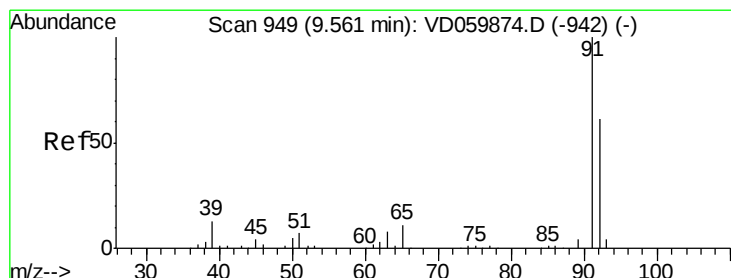
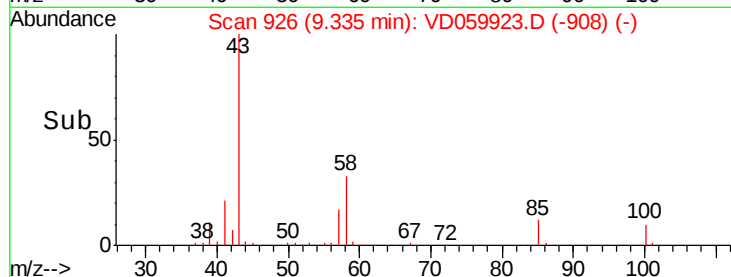
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.16 ug/l

RT: 9.53 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059923.D

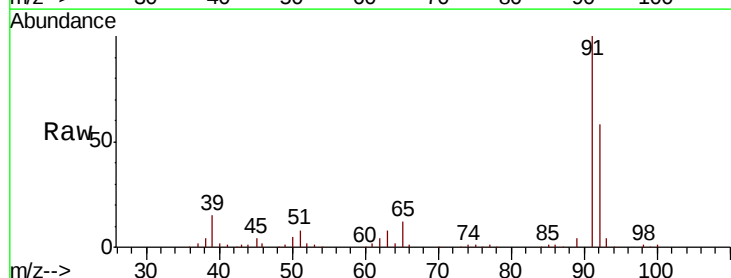
Acq: 30 Aug 2018 13:03

Tgt Ion: 92 Resp: 488849

Ion Ratio Lower Upper

92 100

91 171.7 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

400000

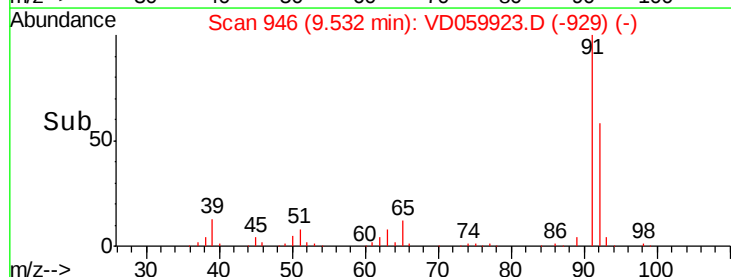
300000

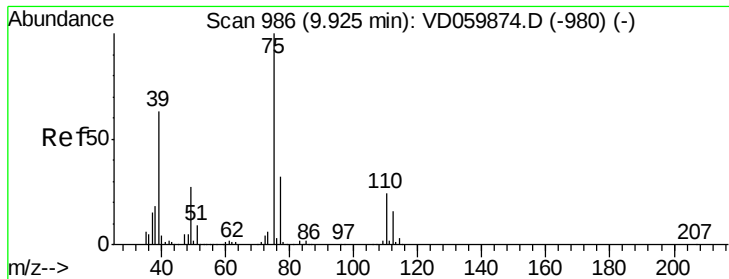
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.42 ug/l

RT: 9.91 min Scan# 984

Delta R.T. -0.02 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 75 Resp: 276399

Ion Ratio Lower Upper

75 100

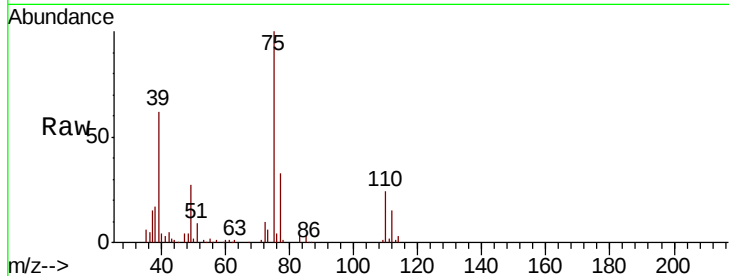
77 32.5 25.4 38.2

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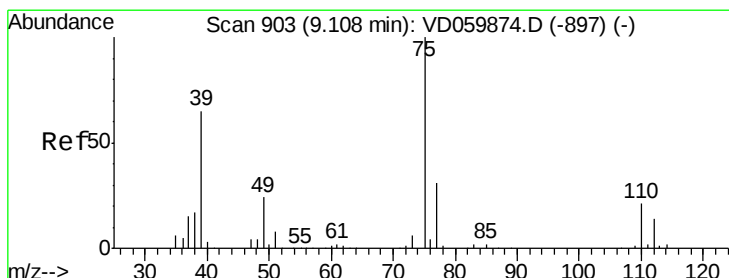
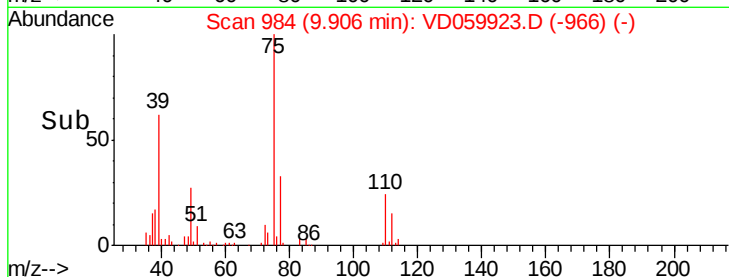
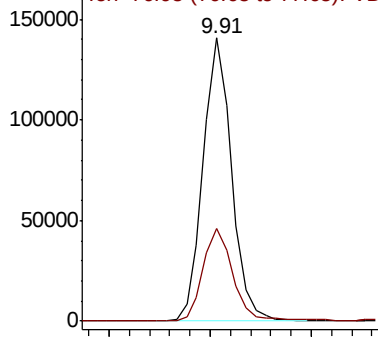
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.19 ug/l

RT: 9.09 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

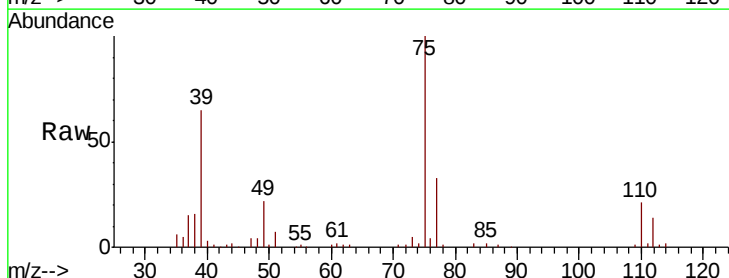
Tgt Ion: 75 Resp: 333209

Ion Ratio Lower Upper

75 100

77 33.3 24.8 37.2

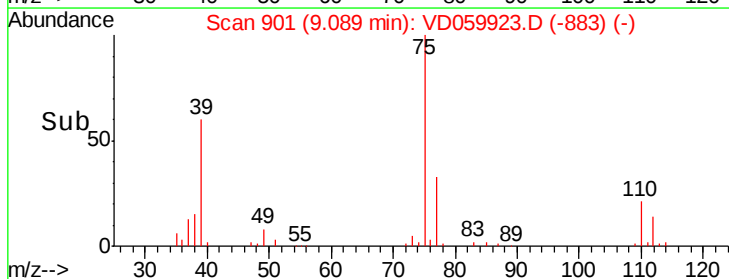
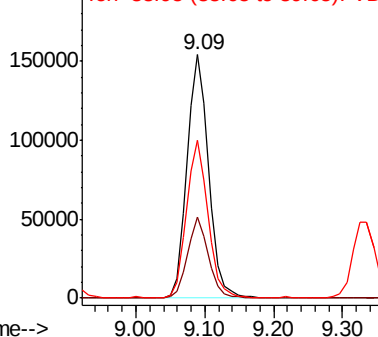
39 64.6 52.1 78.1

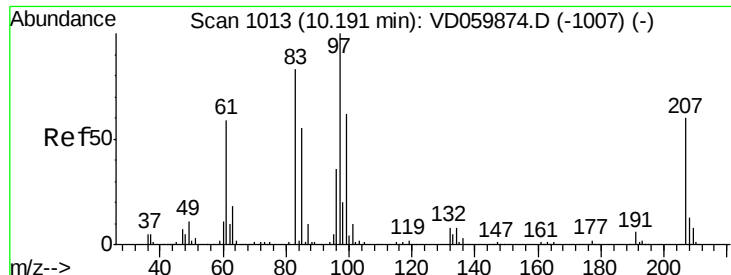


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





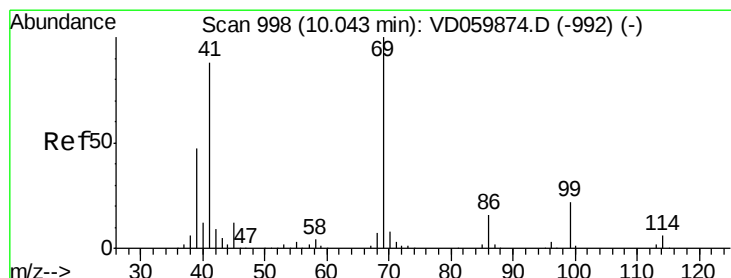
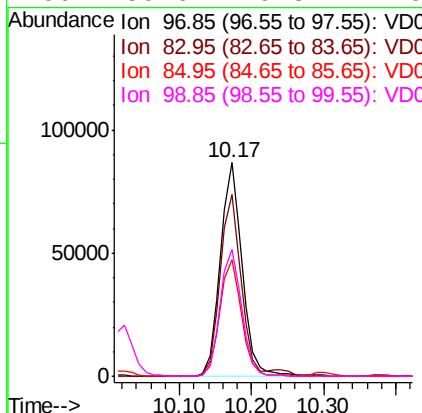
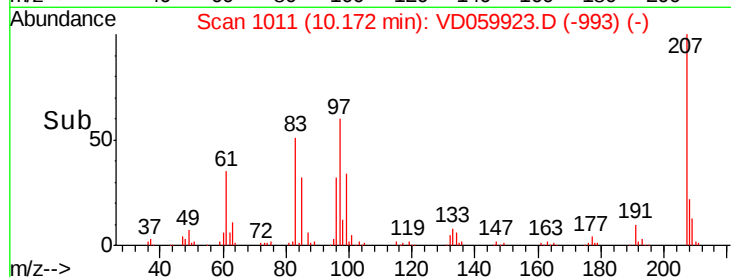
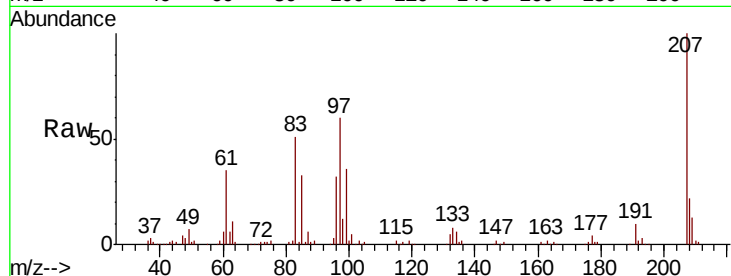
#55
 1,1,2-Trichloroethane
 Concen: 20.43 ug/l
 RT: 10.17 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0830SBS01

Tot Ion:	97	Resp:	181094
Ion	Ratio	Lower	Upper
97	100		
83	84.9	66.7	100.1
85	54.7	43.8	65.6
99	59.6	49.8	74.6

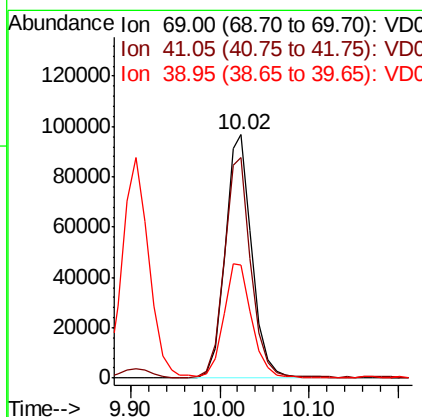
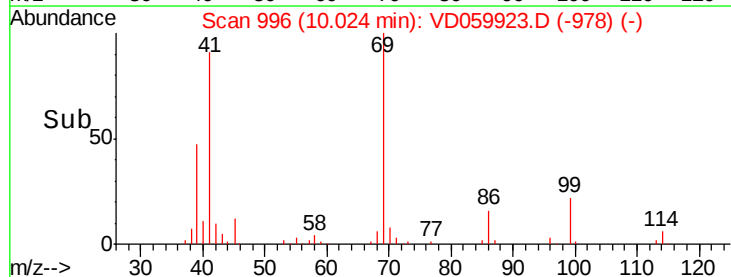
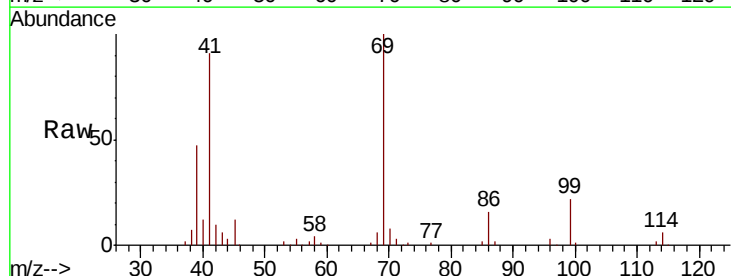
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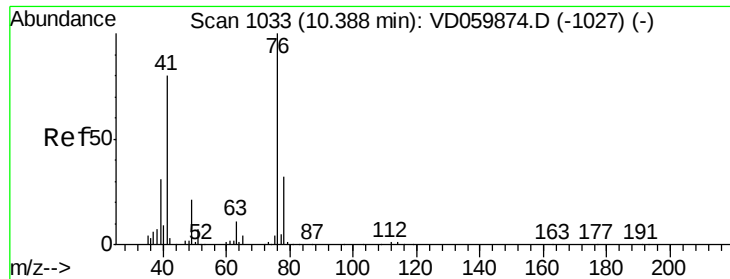
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#56
 Ethyl methacrylate
 Concen: 19.84 ug/l
 RT: 10.02 min Scan# 996
 Delta R.T. -0.02 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Tgt Ion:	69	Resp:	202975
Ion	Ratio	Lower	Upper
69	100		
41	90.7	71.0	106.4
39	46.7	38.5	57.7





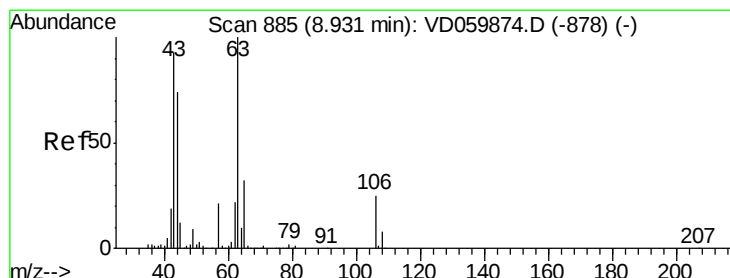
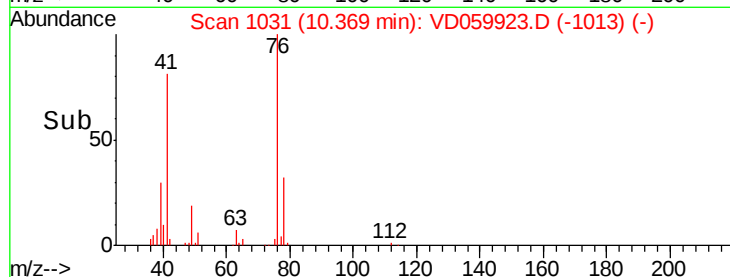
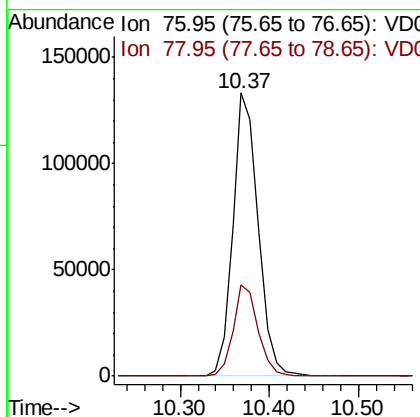
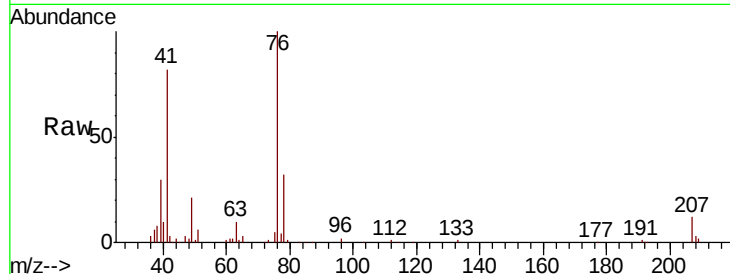
#57
 1,3-Dichloropropane
 Concen: 20.58 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion: 76 Resp: 263973
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

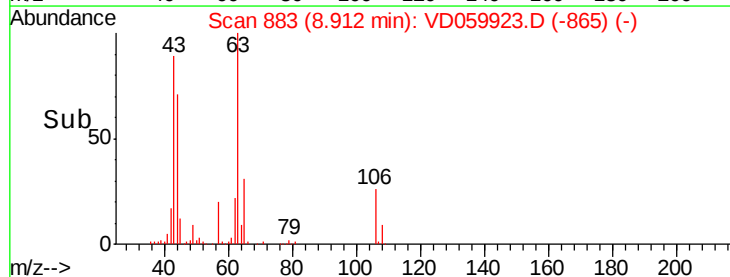
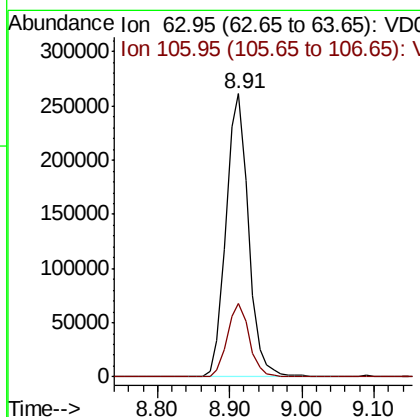
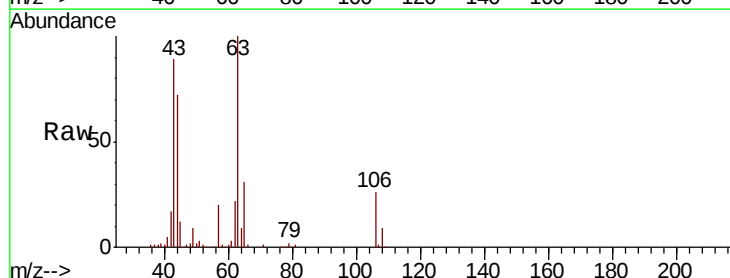
Manual Integrations
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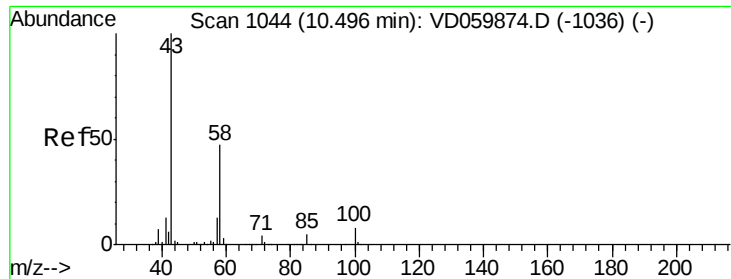
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 115.43 ug/l
 RT: 8.91 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Tgt Ion: 63 Resp: 566428
 Ion Ratio Lower Upper
 63 100
 106 26.2 20.1 30.1





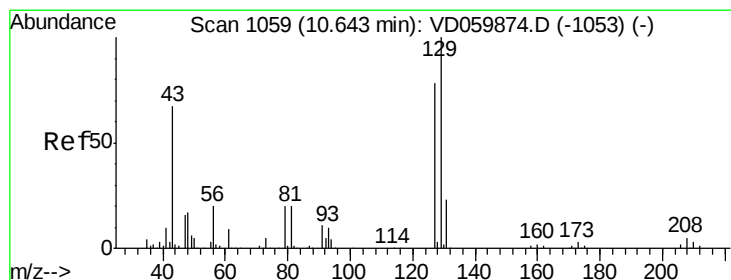
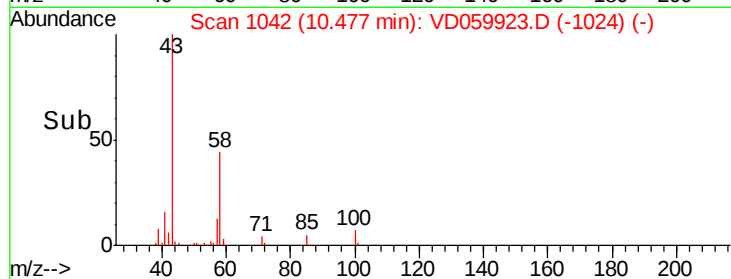
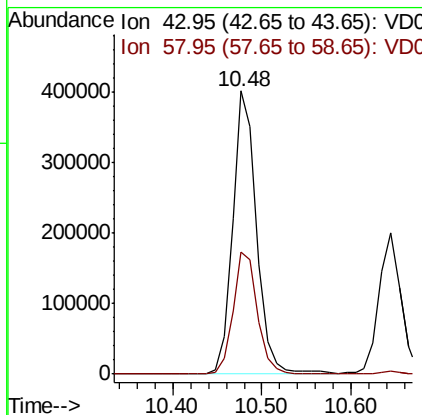
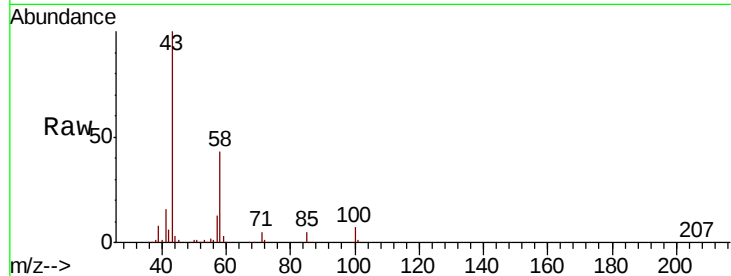
#59
2-Hexanone
Concen: 93.14 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion: 43 Resp: 754079
Ion Ratio Lower Upper
43 100
58 43.3 23.3 69.8

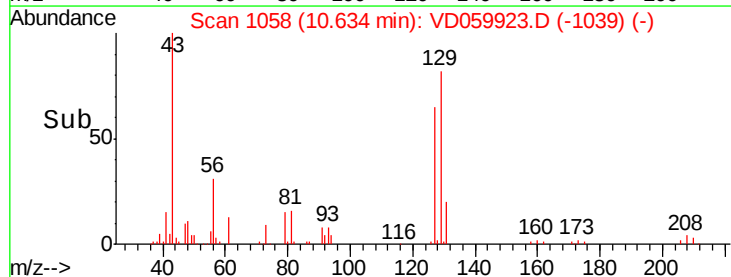
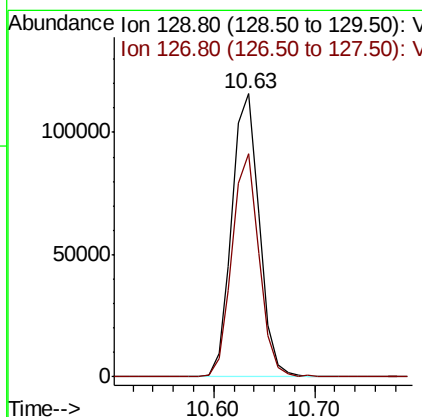
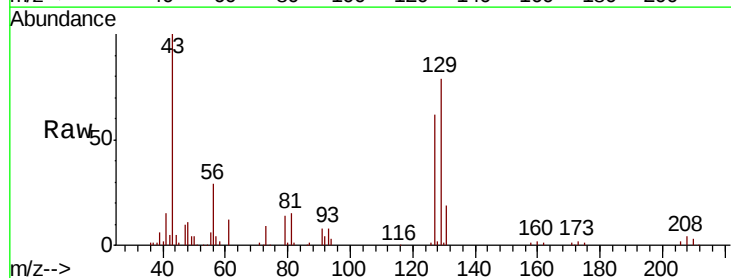
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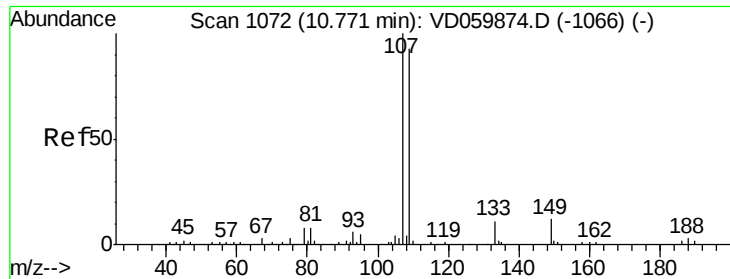
apatel
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#60
Dibromochloromethane
Concen: 19.71 ug/l
RT: 10.63 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion: 129 Resp: 219596
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.2





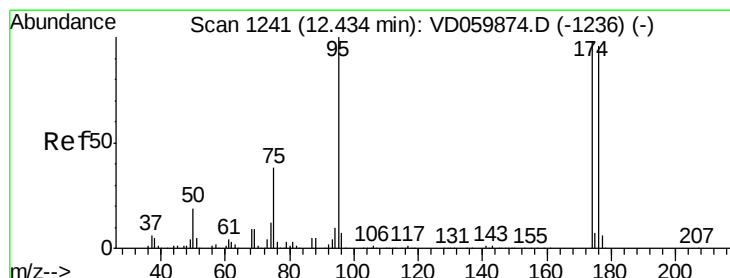
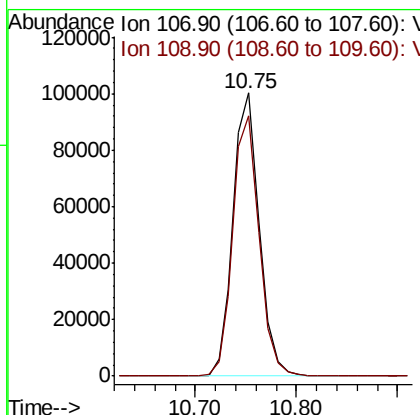
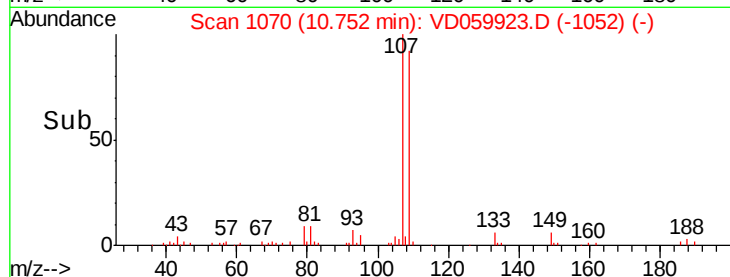
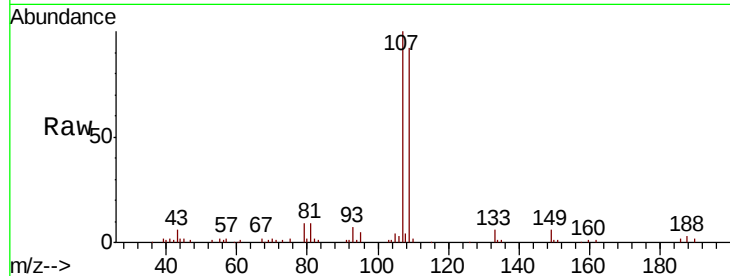
#61
 1,2-Dibromoethane
 Concen: 20.12 ug/l
 RT: 10.75 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	107	100	180281		
109	109	92.1	74.6	112.0	

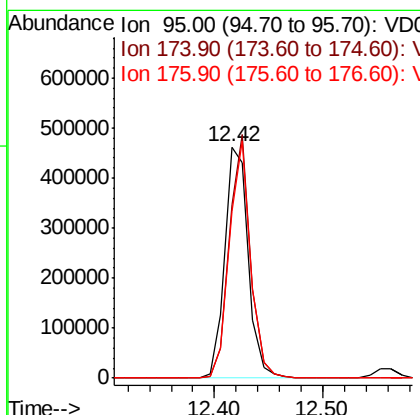
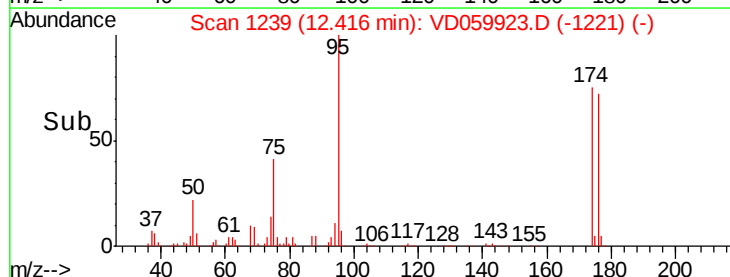
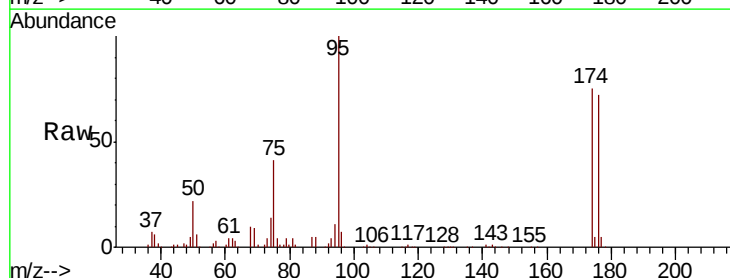
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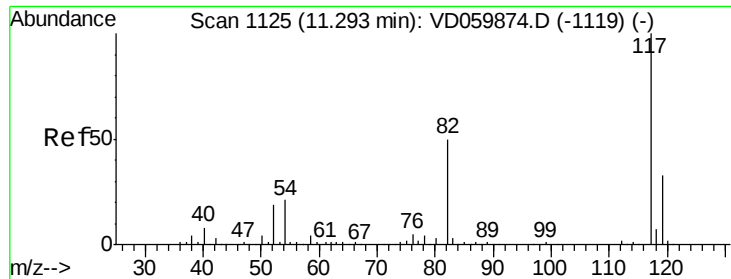
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#62
 4-Bromofluorobenzene
 Concen: 20.12 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	95	100	696876		
174	174	74.9	0.0	195.6	
176	176	72.0	0.0	191.2	





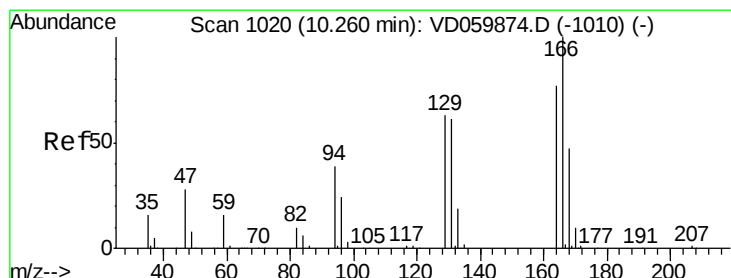
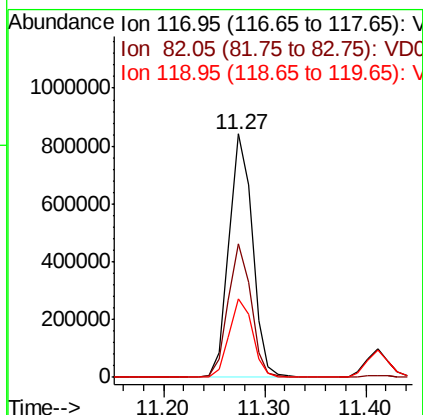
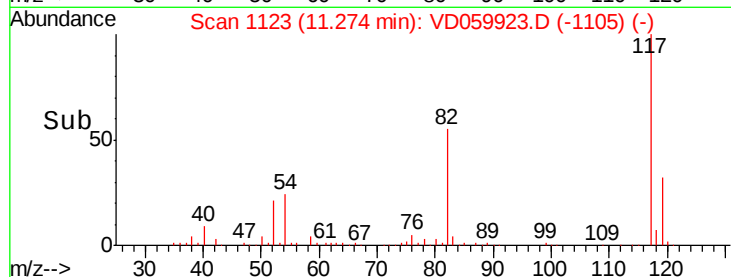
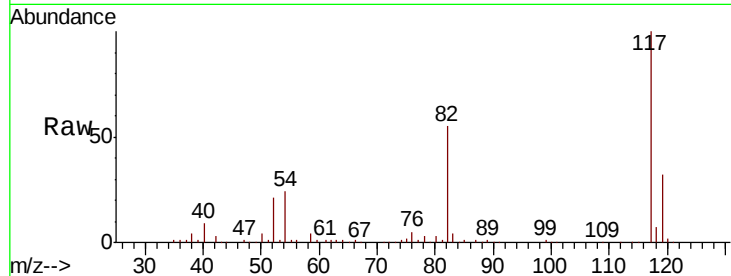
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion:117 Resp: 1357883
Ion Ratio Lower Upper
117 100
82 55.1 40.1 60.1
119 32.3 26.7 40.1

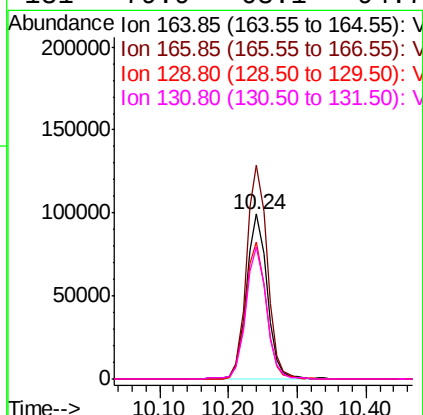
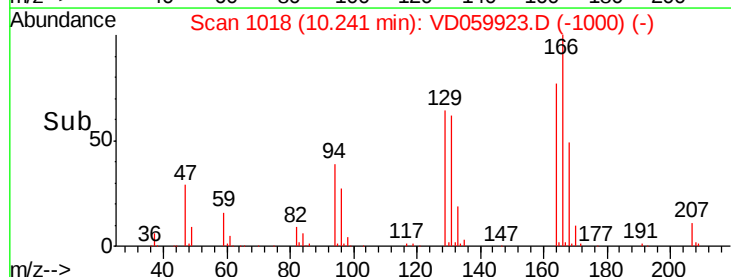
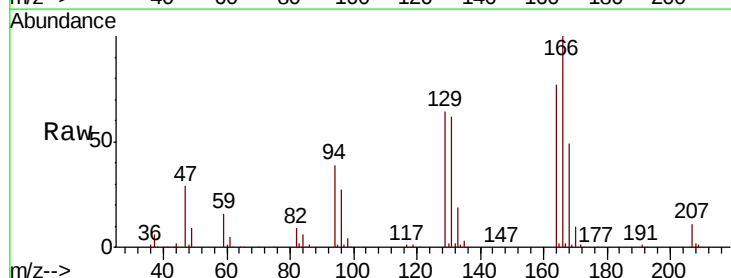
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#64
Tetrachloroethene
Concen: 19.82 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.02 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion:164 Resp: 208113
Ion Ratio Lower Upper
164 100
166 129.5 103.4 155.2
129 83.2 65.2 97.8
131 79.9 63.1 94.7





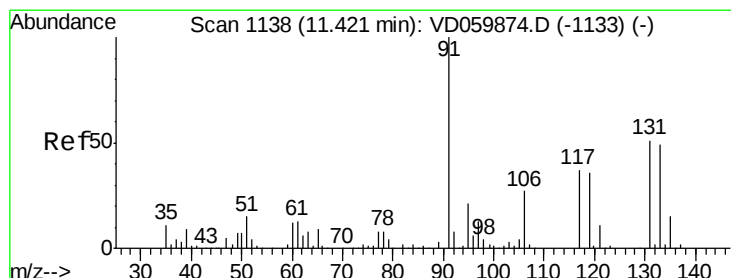
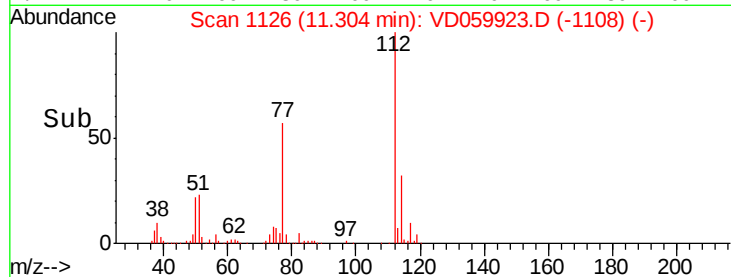
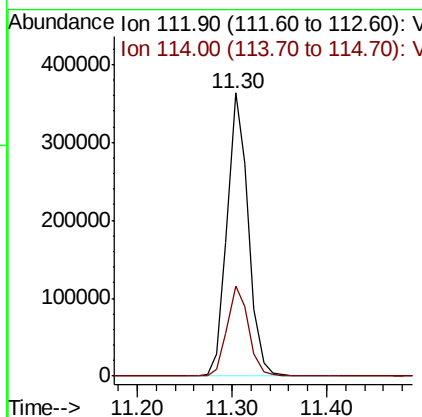
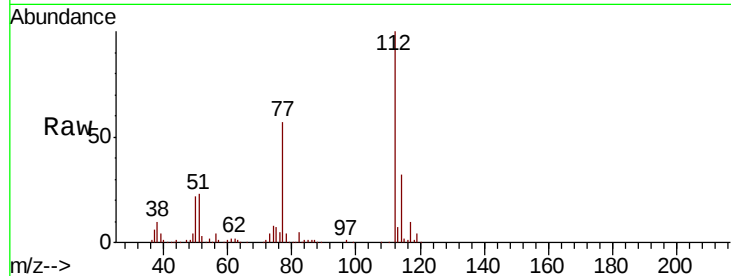
#65
Chlorobenzene
Concen: 20.81 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.4	39.6

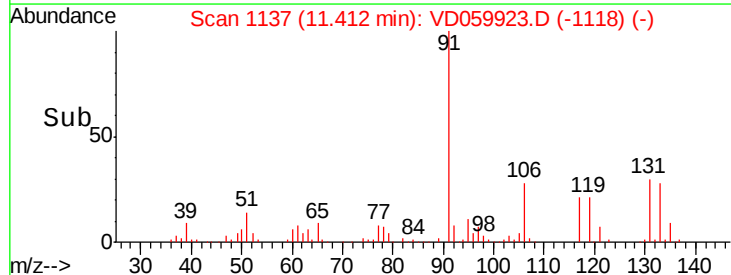
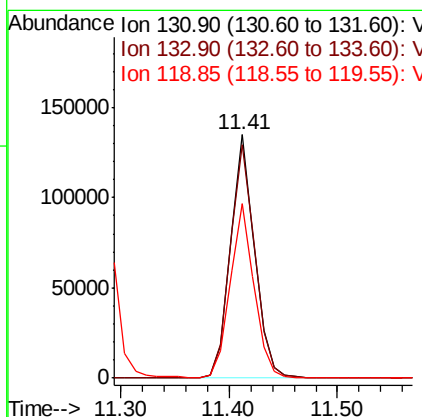
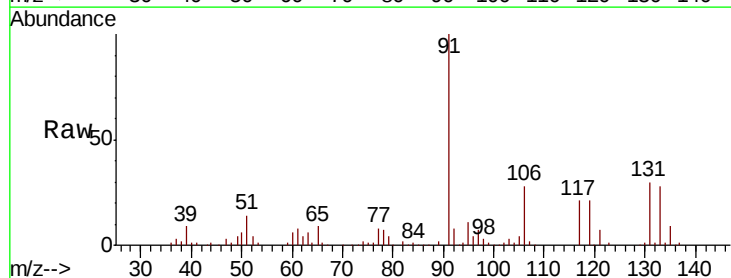
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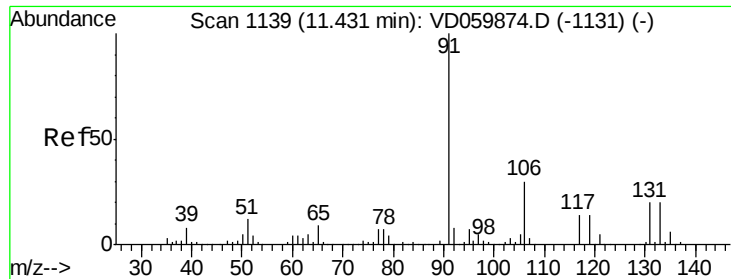
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.11 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.3	144.8
119	71.4	35.4	106.3





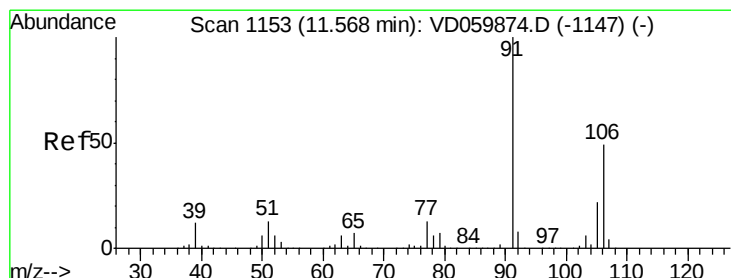
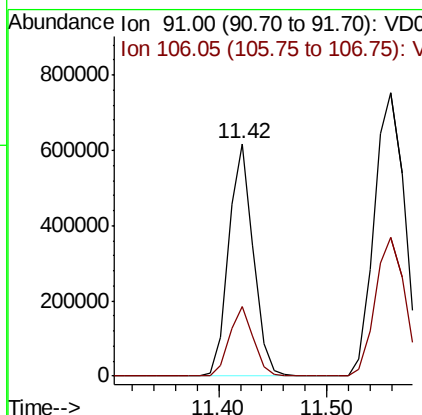
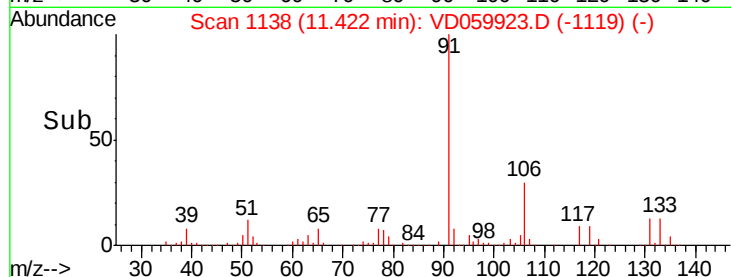
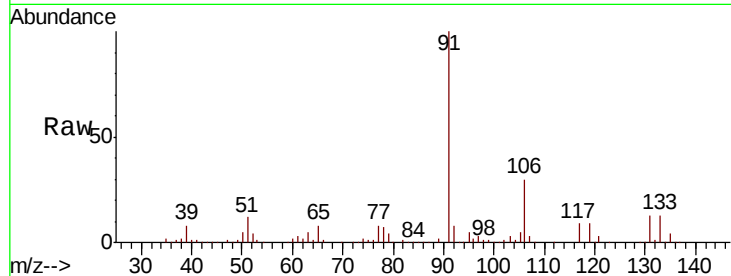
#67
Ethyl Benzene
Concen: 21.46 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion: 91 Resp: 974272
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8

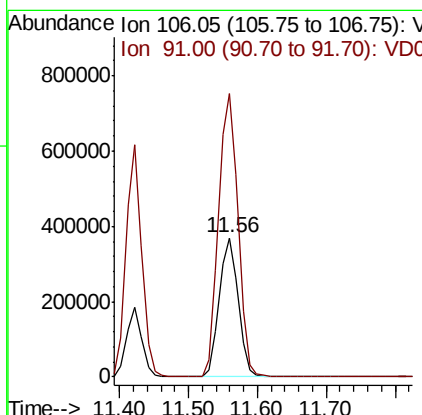
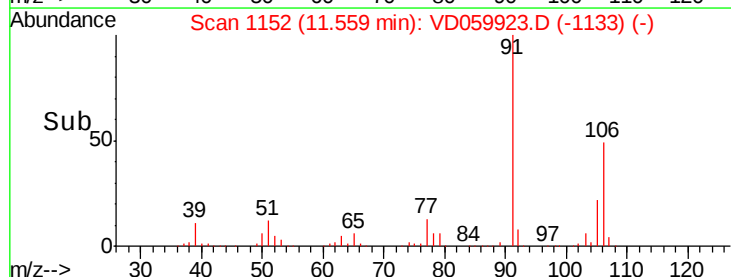
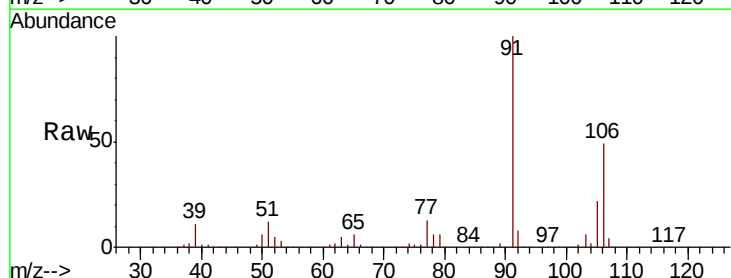
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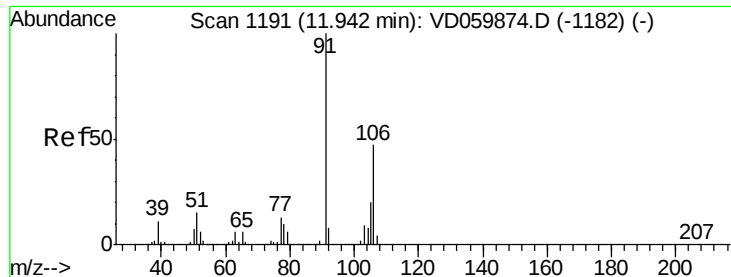
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#68
m/p-Xylenes
Concen: 42.55 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion: 106 Resp: 703357
Ion Ratio Lower Upper
106 100
91 203.9 162.0 243.0





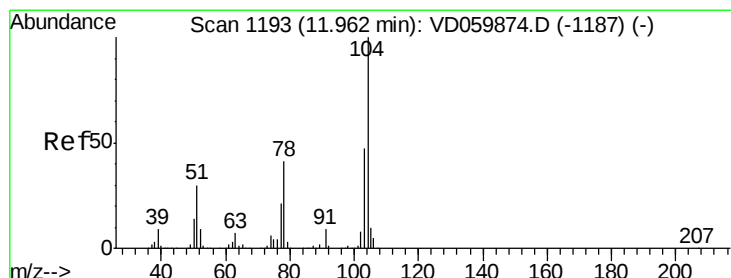
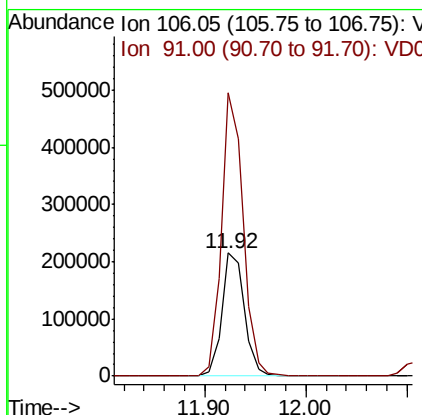
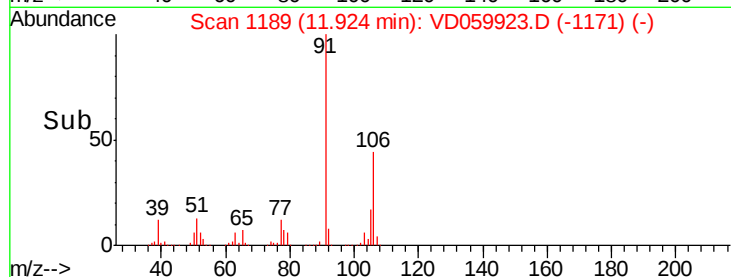
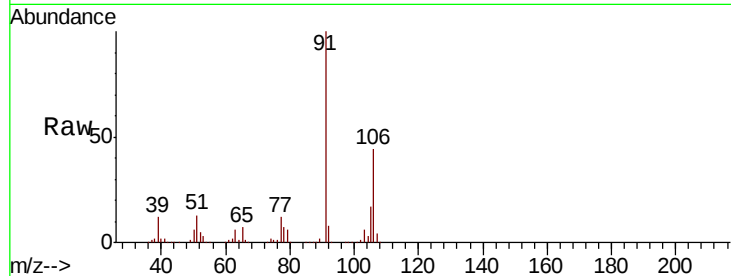
#69
o-Xylene
Concen: 20.63 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleID :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	229.6	107.3	322.0

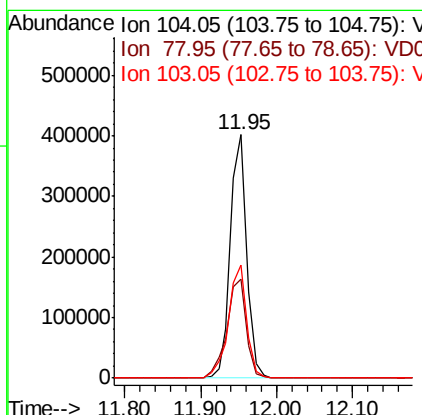
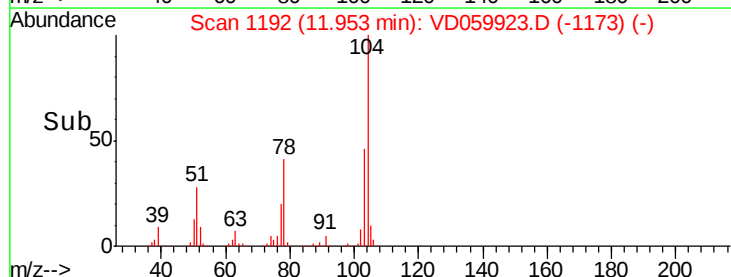
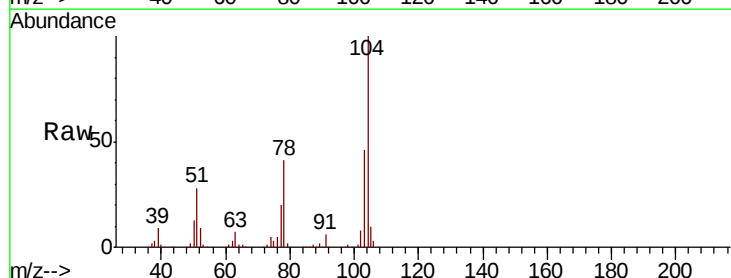
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#70
Styrene
Concen: 21.28 ug/l
RT: 11.95 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.6	32.6	49.0
103	46.4	37.7	56.5





#71

Bromoform

Concen: 19.32 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion:173 Resp: 164827

Ion Ratio Lower Upper

173 100

175 49.4 24.3 73.0

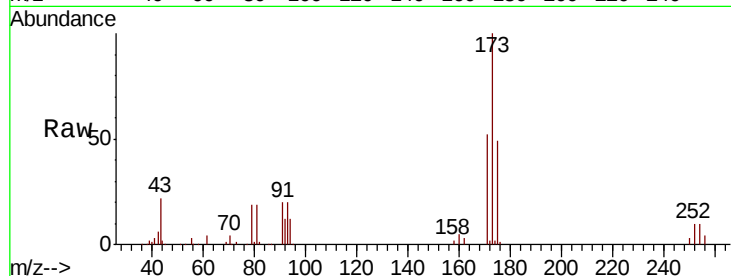
254 9.8 7.0 10.6

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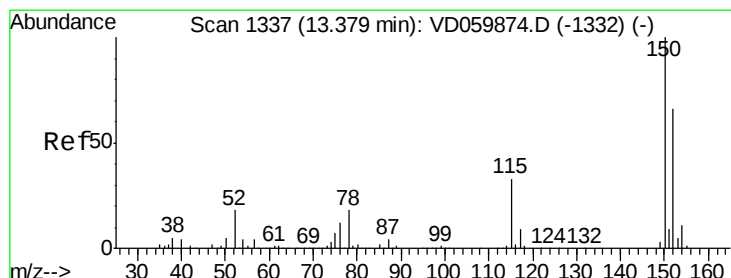
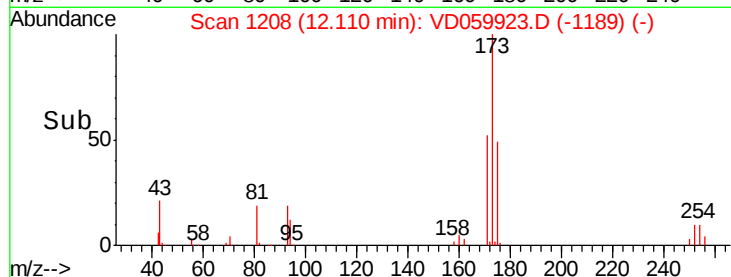
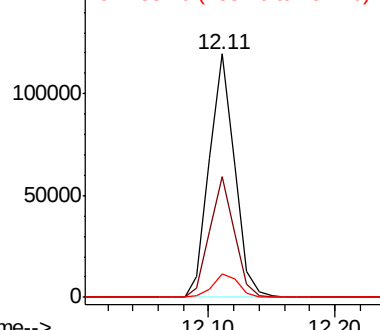
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

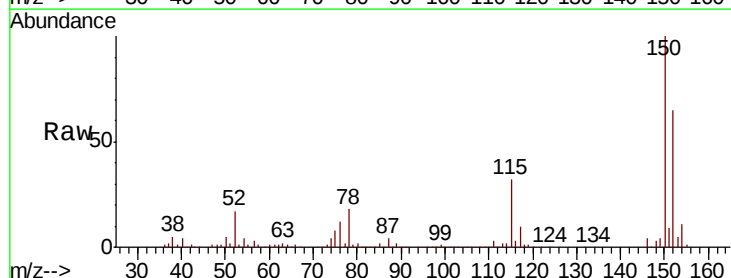
Tgt Ion:152 Resp: 738882

Ion Ratio Lower Upper

152 100

115 49.7 25.7 77.0

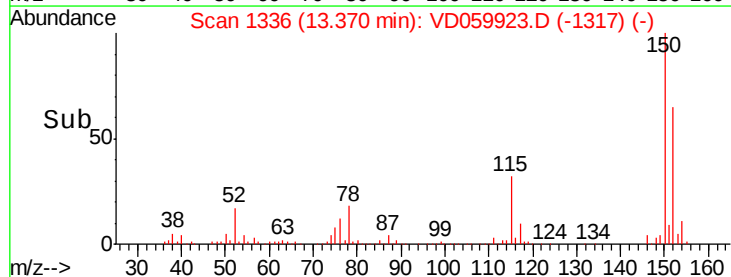
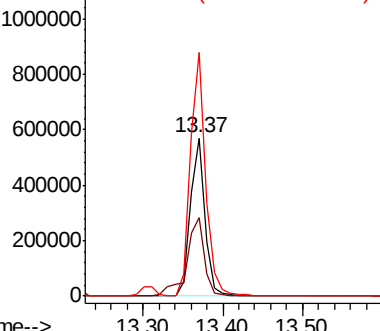
150 154.1 0.0 310.2



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: 20.26 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 105 Resp: 955736

Ion Ratio Lower Upper

105 100

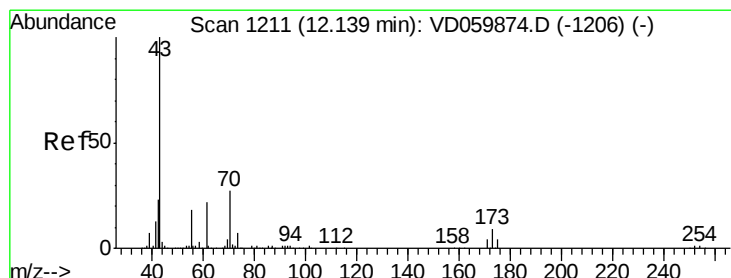
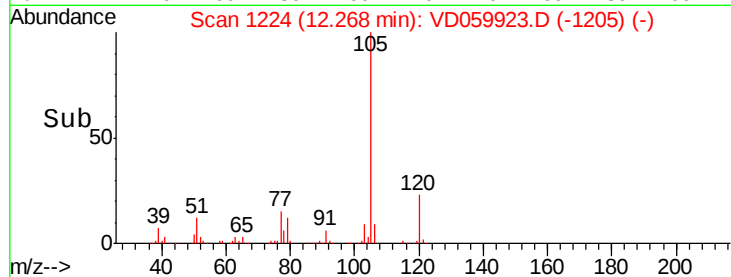
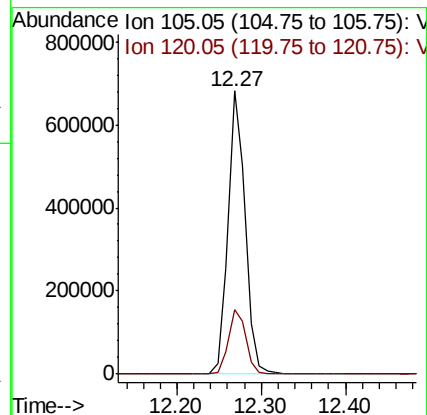
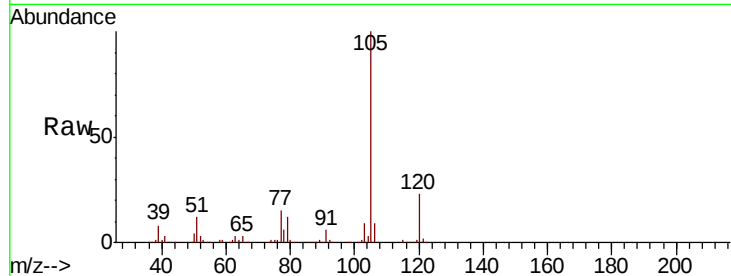
120 23.0 11.8 35.4

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#74

N-ethyl acetate

Concen: 19.01 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Tgt Ion: 43 Resp: 392529

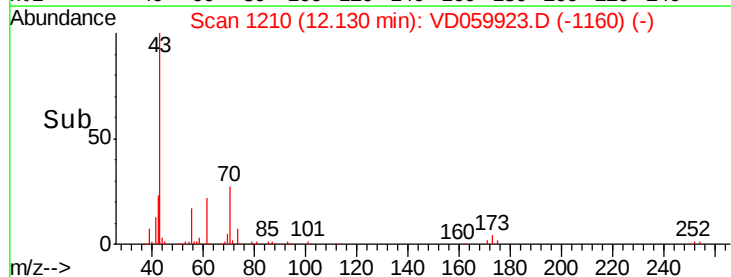
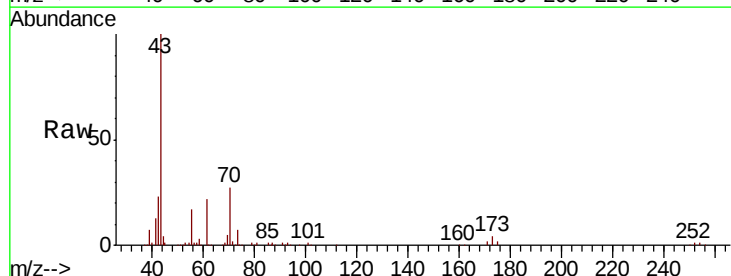
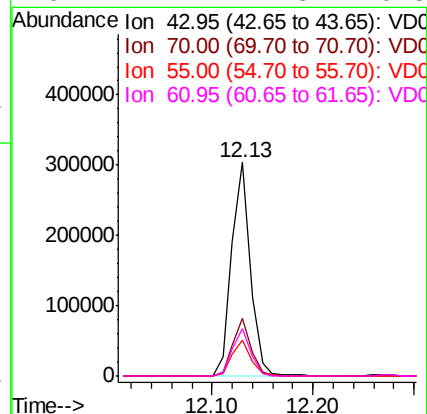
Ion Ratio Lower Upper

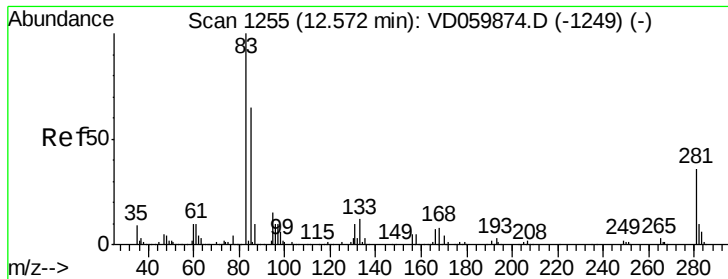
43 100

70 27.2 21.4 32.2

55 16.9 14.1 21.1

61 22.2 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.07 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 83 Resp: 219012

Ion Ratio Lower Upper

83 100

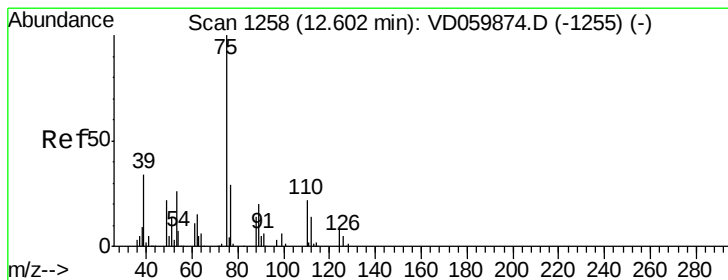
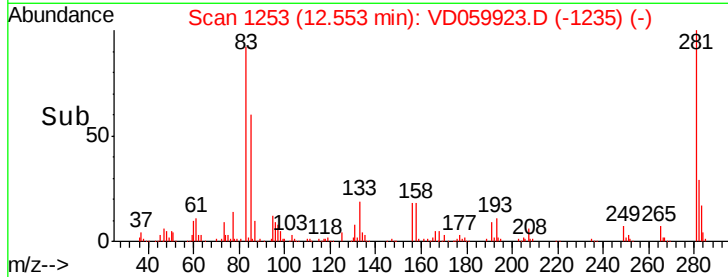
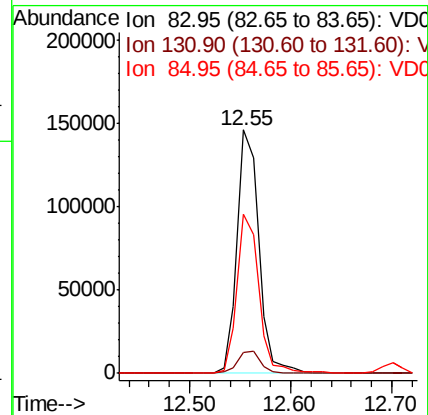
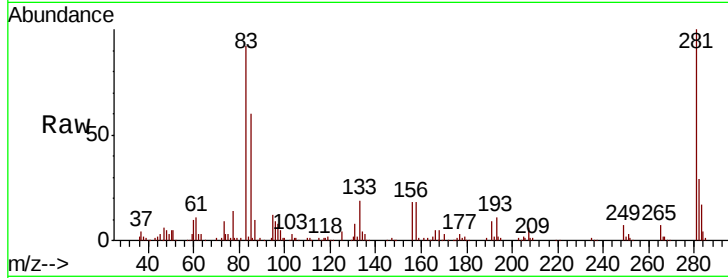
131 8.5 4.8 14.4

85 65.1 32.6 97.8

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#76

1,2,3-Trichloropropane

Concen: 20.09 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059923.D

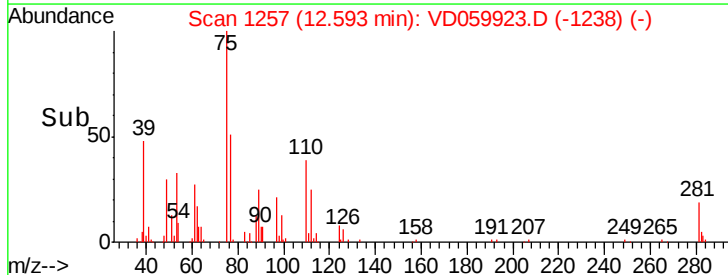
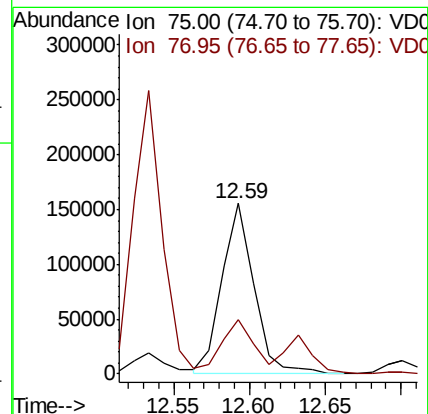
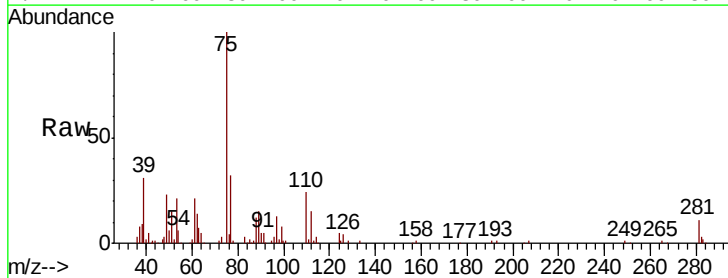
Acq: 30 Aug 2018 13:03

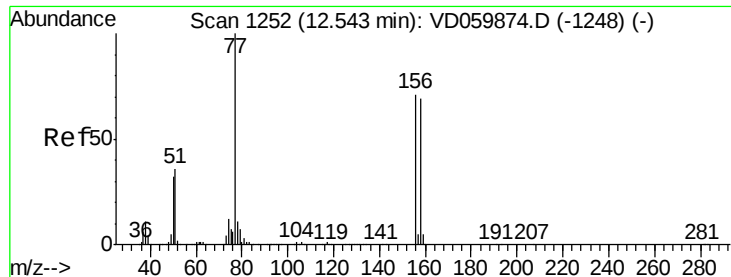
Tgt Ion: 75 Resp: 230748

Ion Ratio Lower Upper

75 100

77 32.1 16.4 49.2





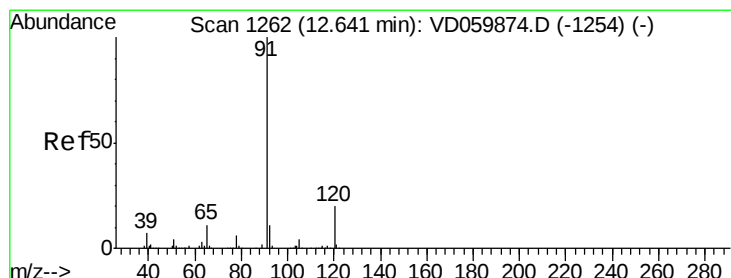
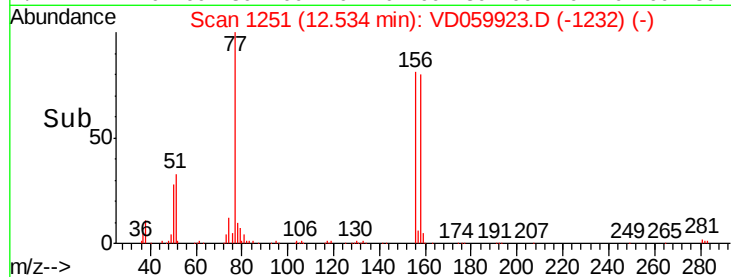
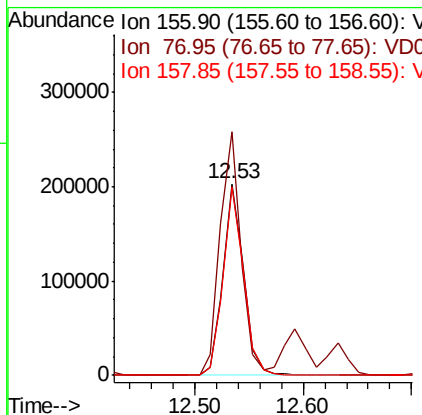
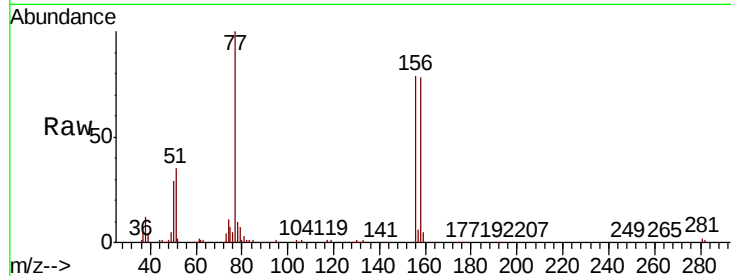
#77
Bromobenzene
Concen: 20.49 ug/l
RT: 12.53 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	127.1	70.2	210.4
158	98.6	48.4	145.2

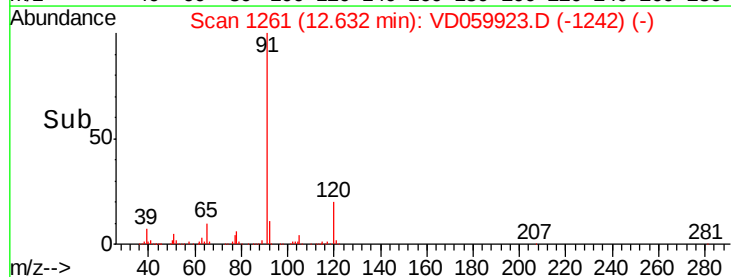
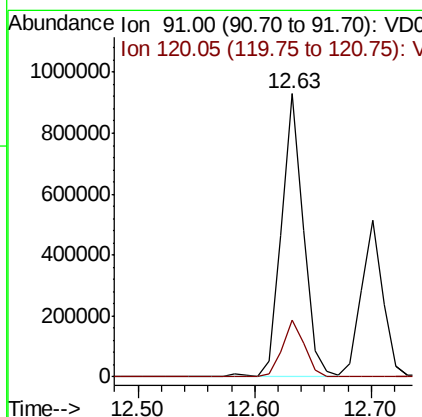
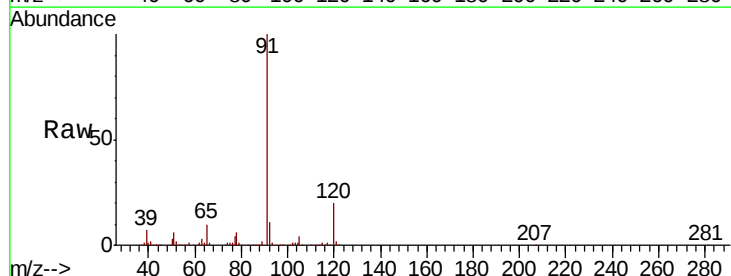
Manual Integrations
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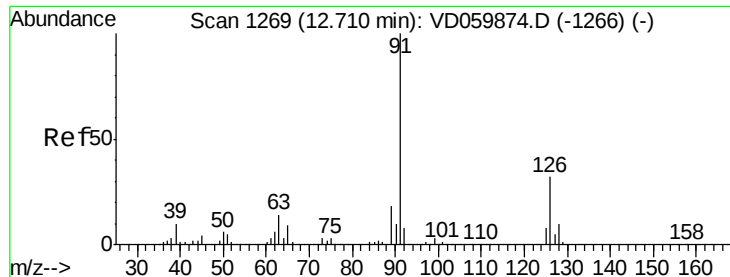
apatel
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#78
n-propylbenzene
Concen: 20.31 ug/l
RT: 12.63 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.0	10.1	30.3





#79

2-Chlorotoluene

Concen: 19.61 ug/l

RT: 12.70 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 91 Resp: 662286

Ion Ratio Lower Upper

91 100

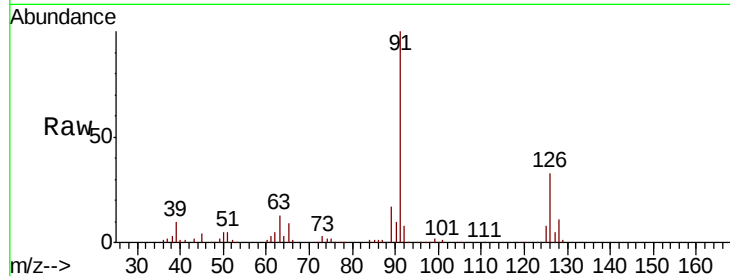
126 33.2 16.1 48.2

Manual Integrations

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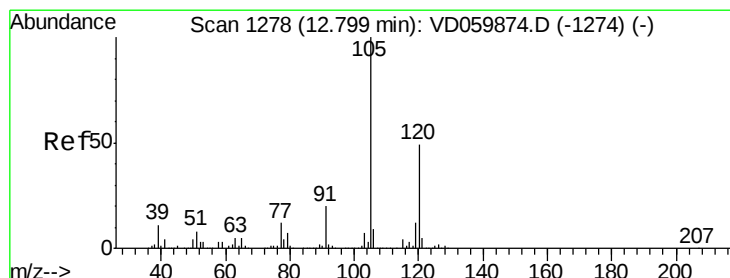
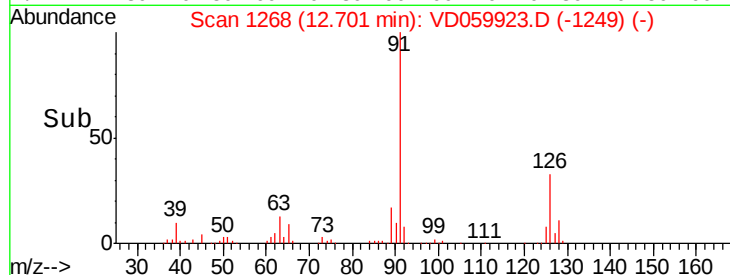
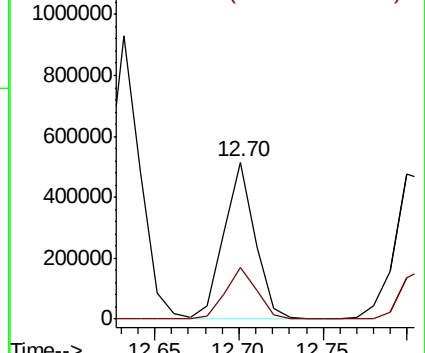
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 19.79 ug/l

RT: 12.79 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VD059923.D

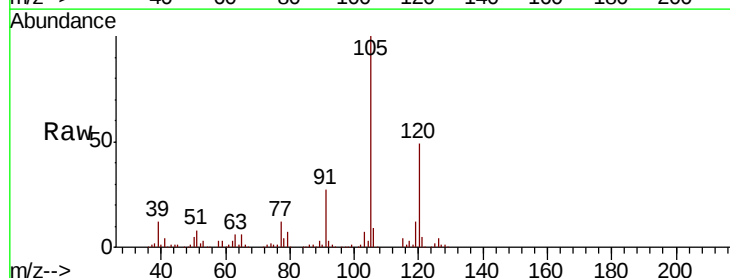
Acq: 30 Aug 2018 13:03

Tgt Ion: 105 Resp: 742194

Ion Ratio Lower Upper

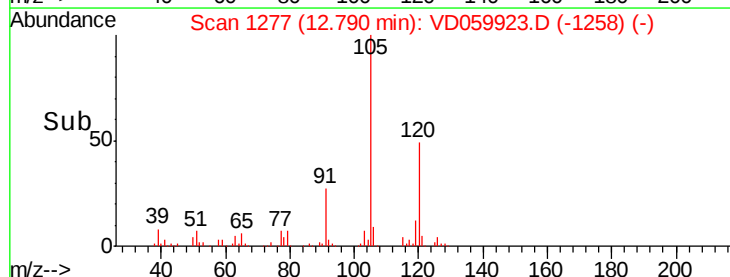
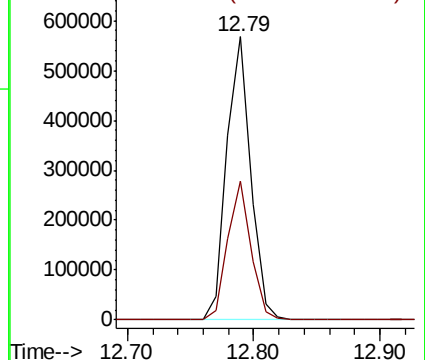
105 100

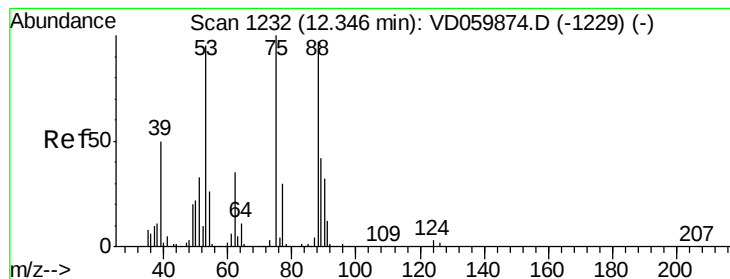
120 48.9 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.97 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 75 Resp: 60637

Ion Ratio Lower Upper

75 100

53 93.3 75.8 113.6

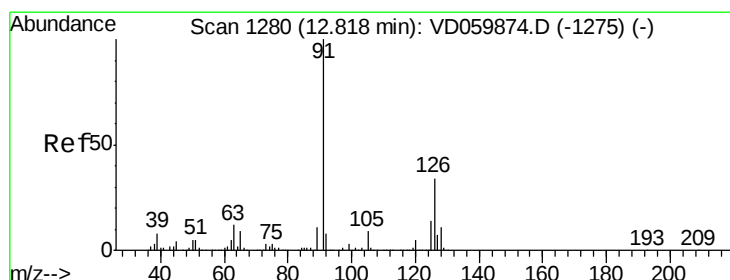
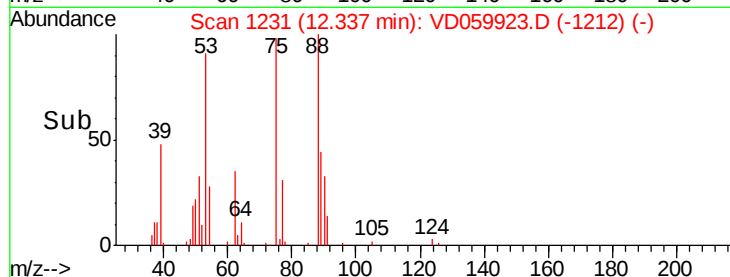
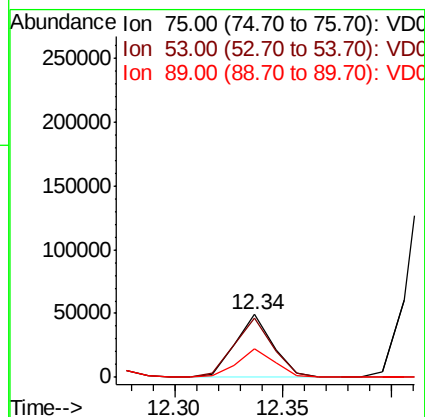
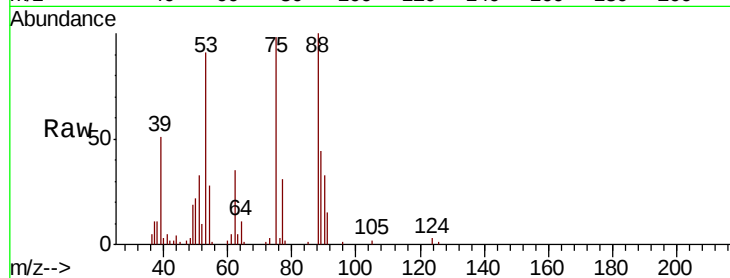
89 45.2 33.6 50.4

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#82

4-Chlorotoluene

Concen: 19.77 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD059923.D

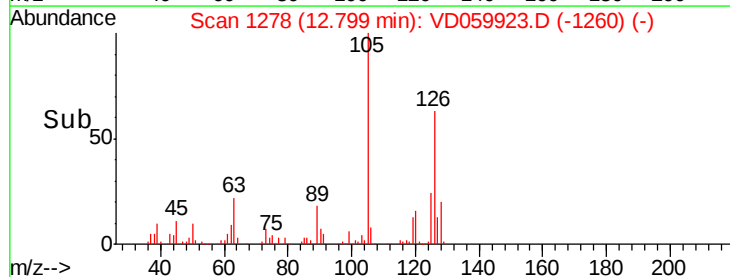
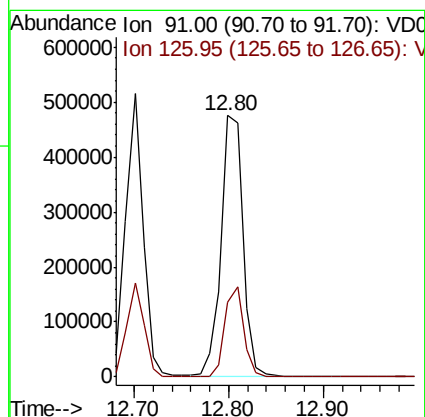
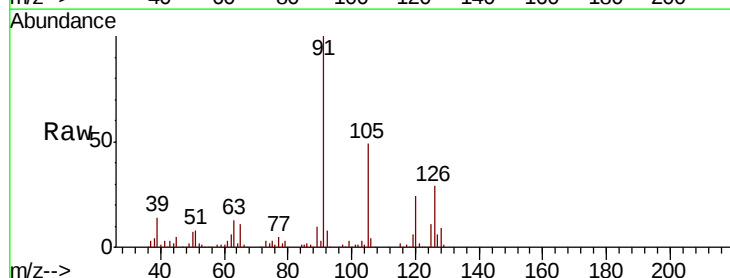
Acq: 30 Aug 2018 13:03

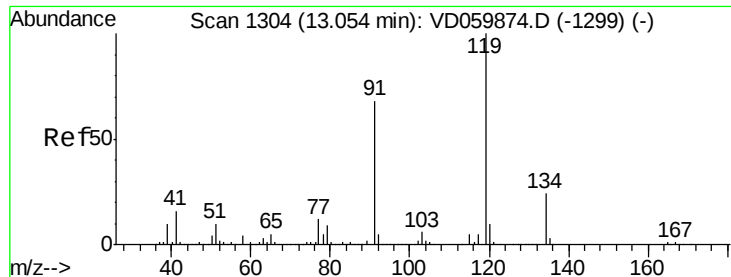
Tgt Ion: 91 Resp: 761645

Ion Ratio Lower Upper

91 100

126 28.7 17.1 51.2





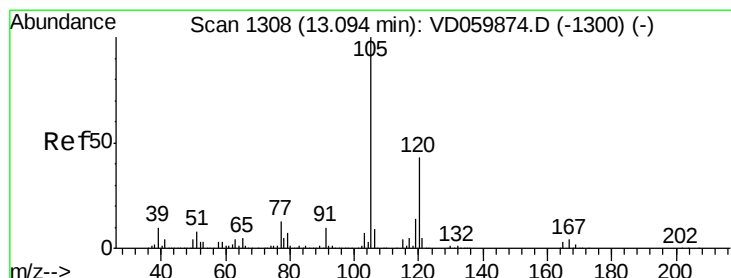
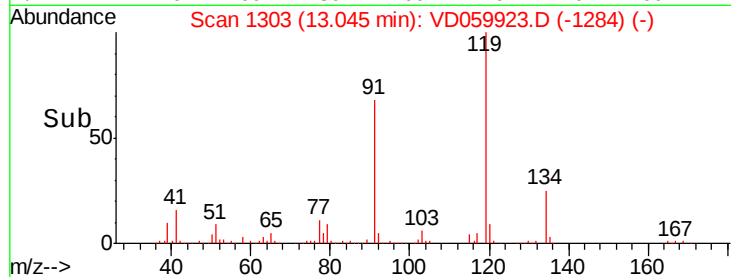
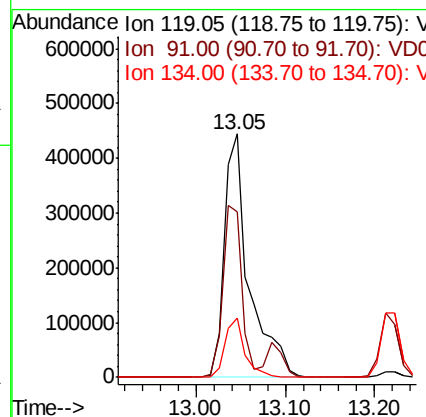
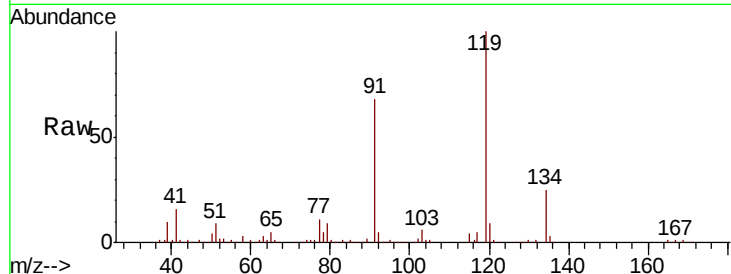
#83
tert-Butylbenzene
Concen: 20.25 ug/l
RT: 13.05 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	865214		
91	68.2	34.3	102.9	
134	24.6	11.9	35.9	

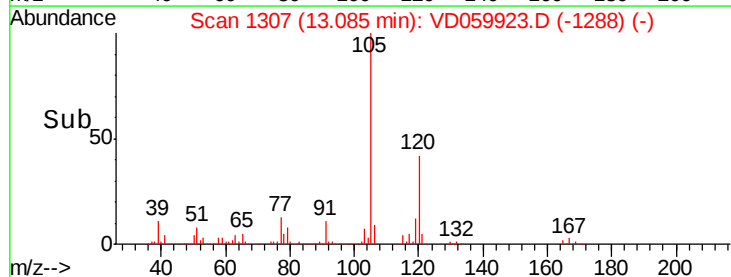
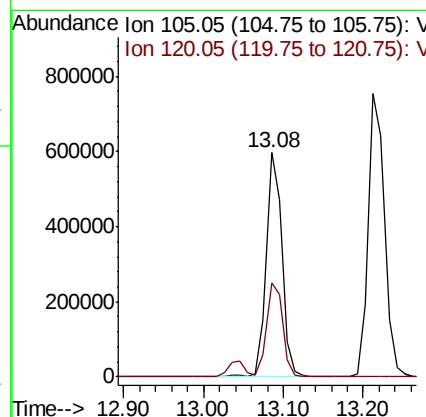
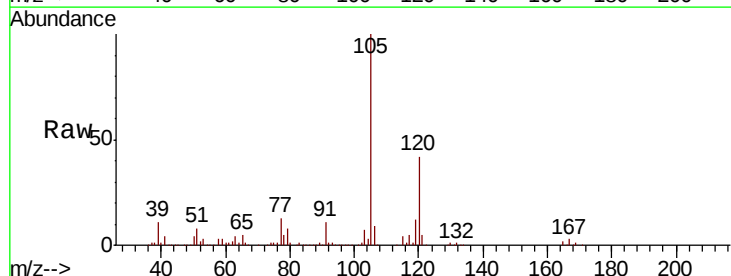
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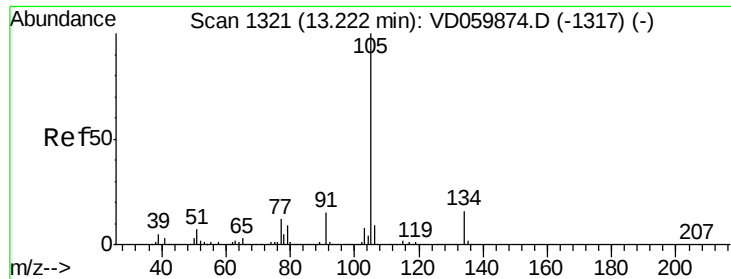
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#84
1,2,4-Trimethylbenzene
Concen: 20.47 ug/l
RT: 13.08 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	799953		
120	42.0	21.8	65.3	





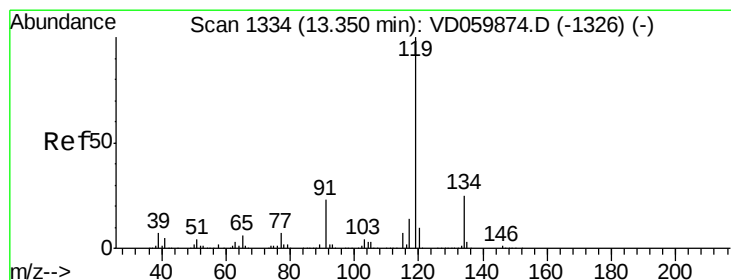
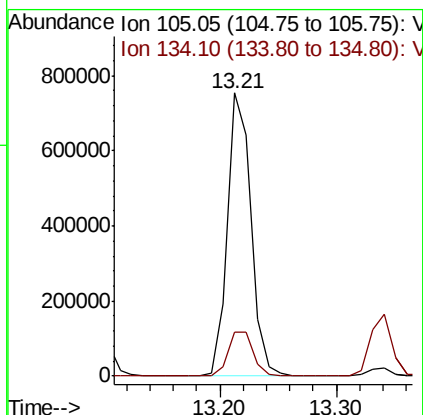
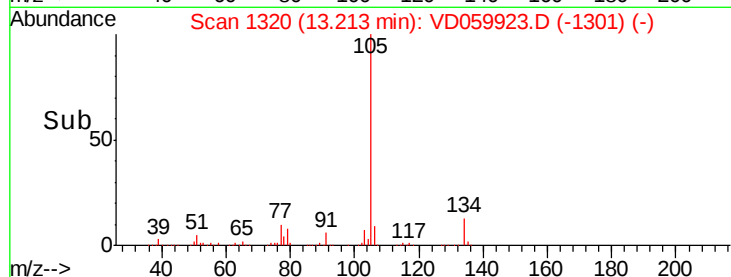
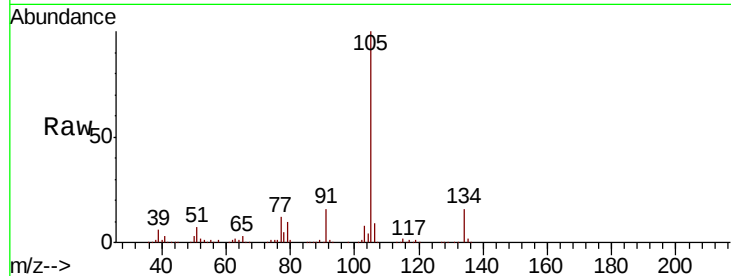
#85
 sec-Butylbenzene
 Concen: 20.92 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion:105 Resp: 1050883
 Ion Ratio Lower Upper
 105 100
 134 15.7 8.2 24.4

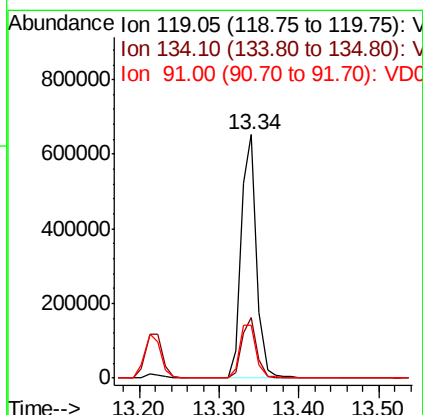
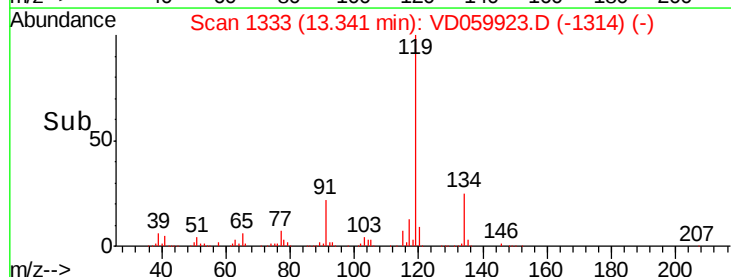
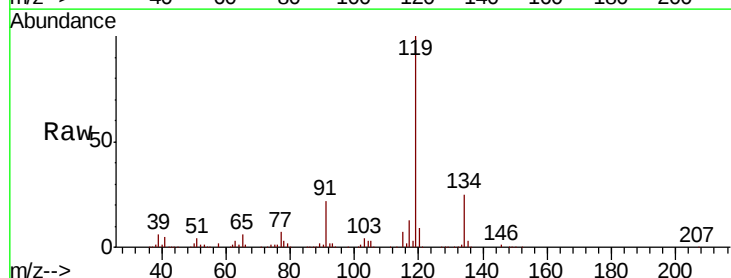
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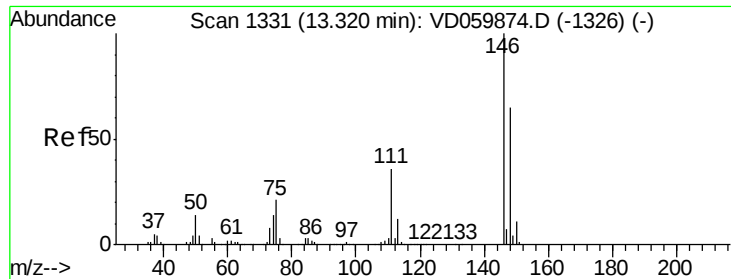
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#86
 p-Isopropyltoluene
 Concen: 21.28 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Tgt Ion:119 Resp: 869256
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.7 38.1
 91 21.9 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 21.02 ug/l

RT: 13.30 min Scan# 1329

Delta R.T. -0.02 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

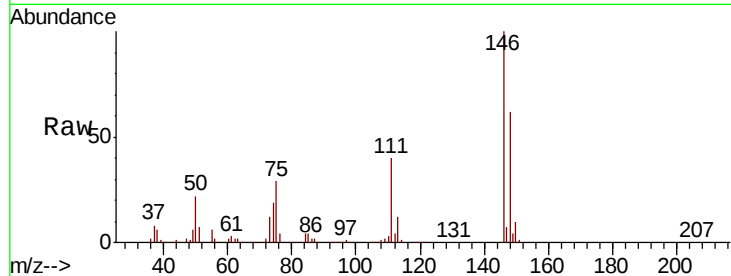
ClientSampleId :

VD0830SBS01

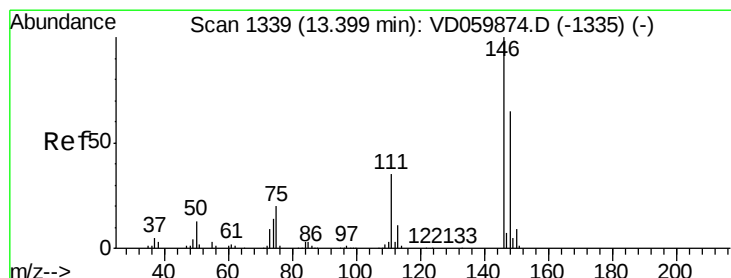
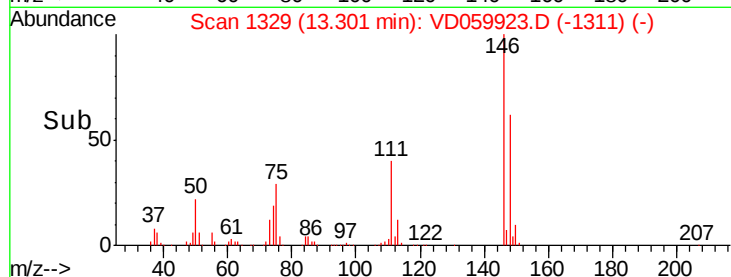
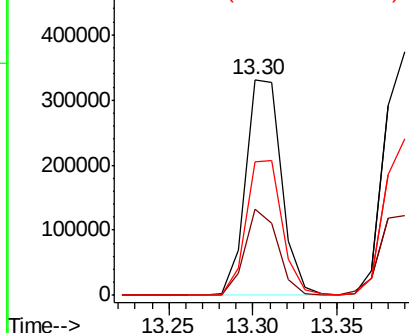
Tot Ion:	146	Resp:	490746
Ion Ratio	Lower	Upper	
146	100		
111	39.8	17.9	53.7
148	61.6	32.4	97.0

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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: 21.21 ug/l

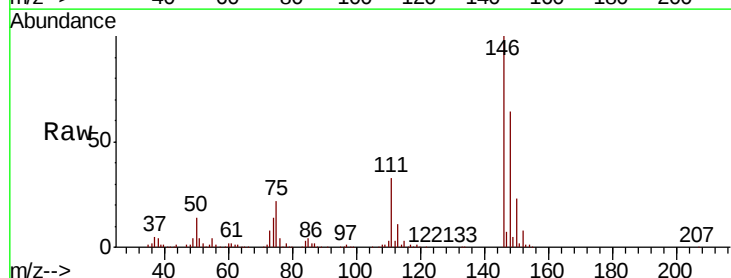
RT: 13.39 min Scan# 1338

Delta R.T. -0.01 min

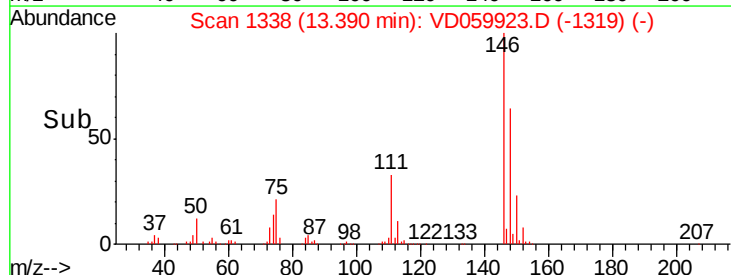
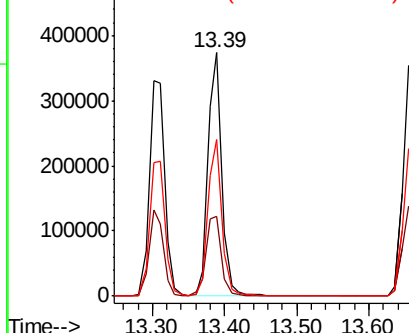
Lab File: VD059923.D

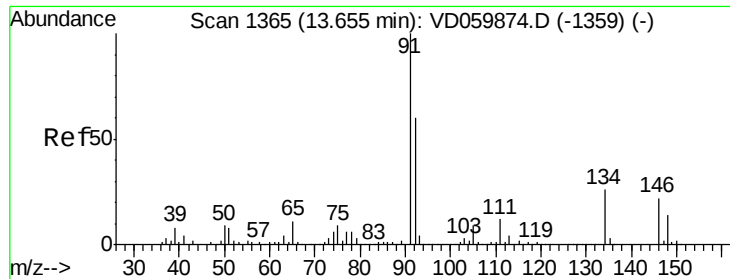
Acq: 30 Aug 2018 13:03

Tgt Ion:	146	Resp:	493969
Ion Ratio	Lower	Upper	
146	100		
111	32.6	17.5	52.6
148	64.4	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





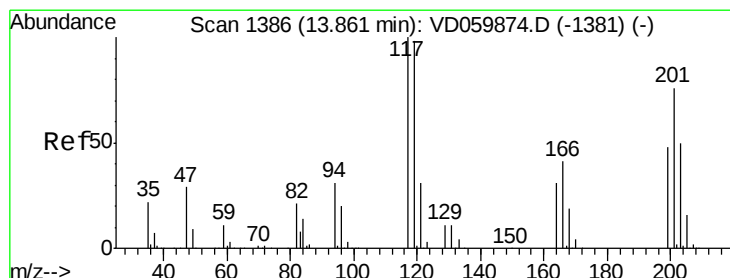
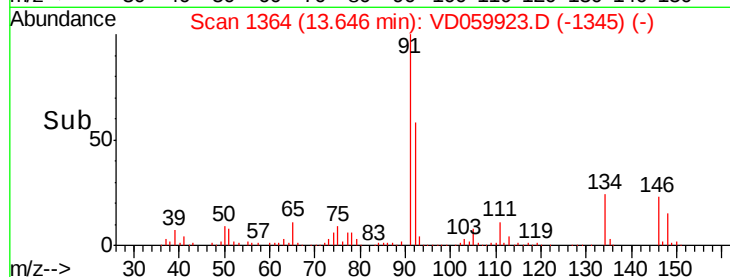
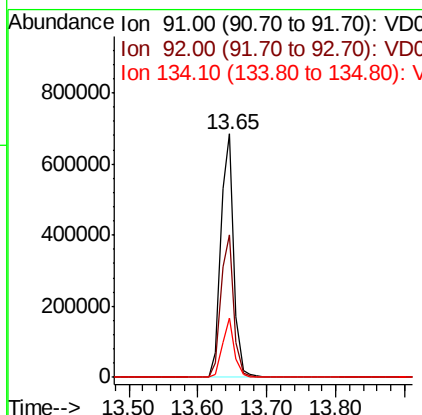
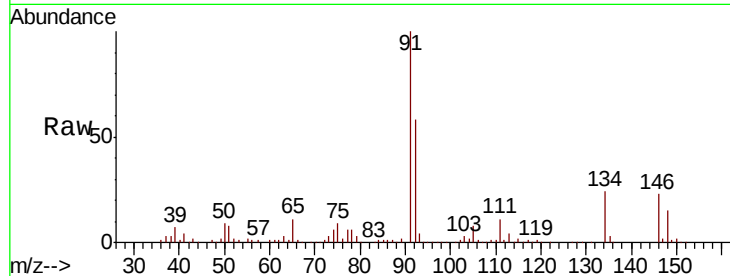
#89
n-Butylbenzene
Concen: 20.05 ug/l
RT: 13.65 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.3	30.0	90.1
134	24.4	12.8	38.4

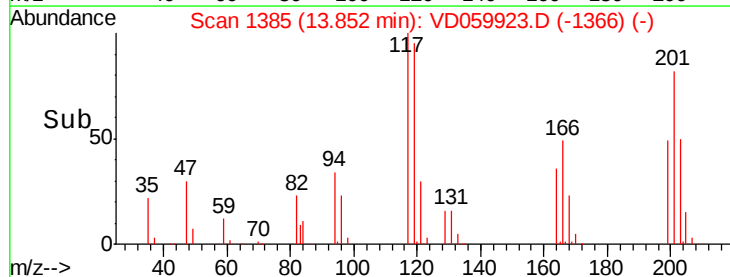
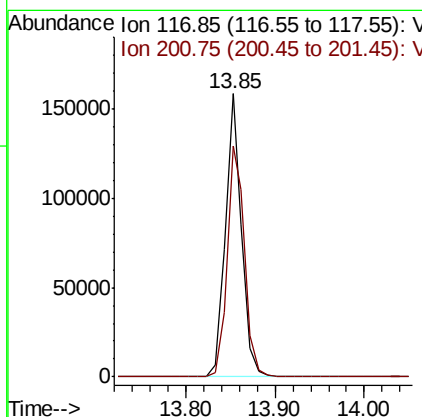
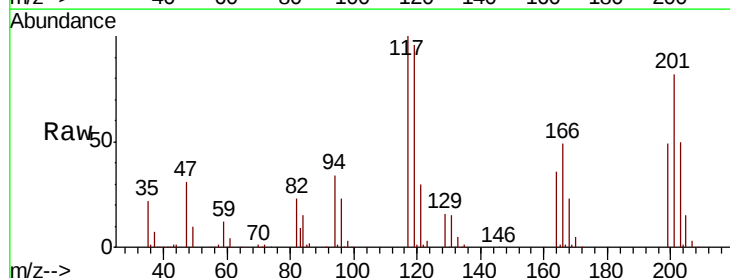
Manual Integrations
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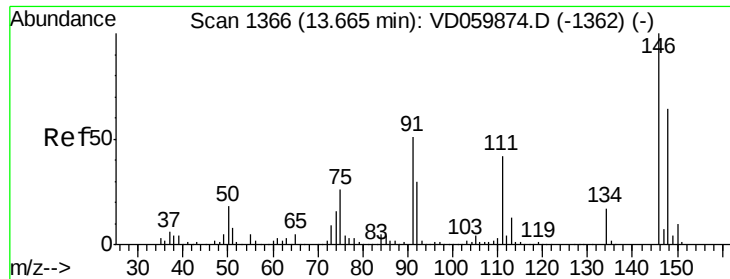
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#90
Hexachloroethane
Concen: 18.49 ug/l
RT: 13.85 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059923.D
Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	38.1	114.5





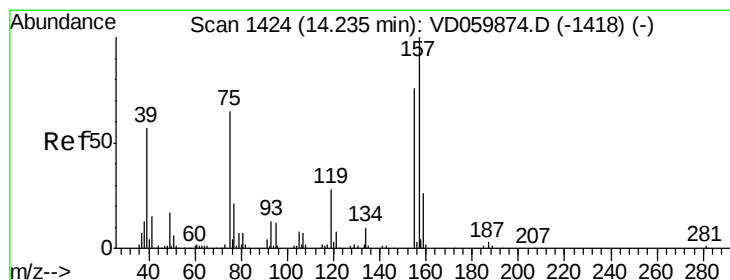
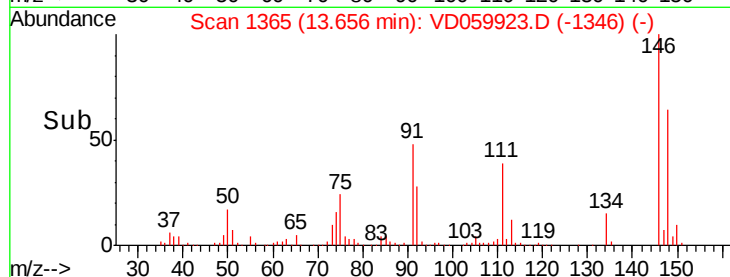
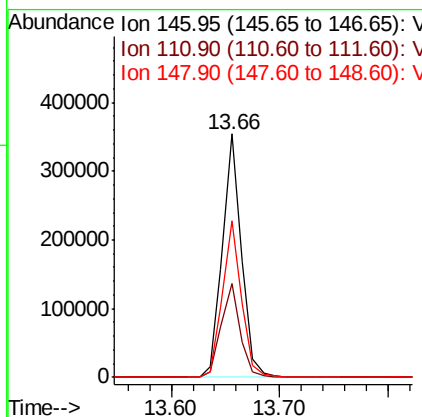
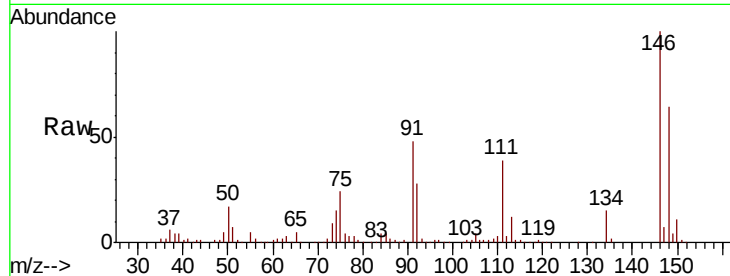
#91
 1,2-Dichlorobenzene
 Concen: 21.93 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	21.1	63.1
148	64.2	32.2	96.6

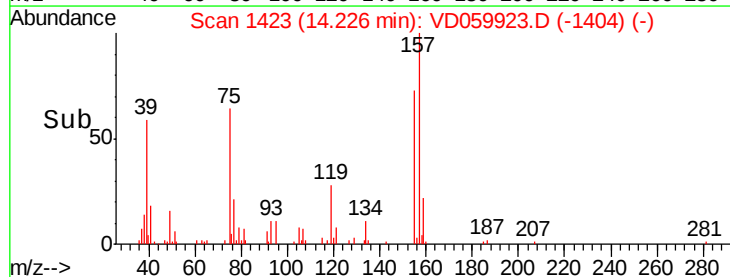
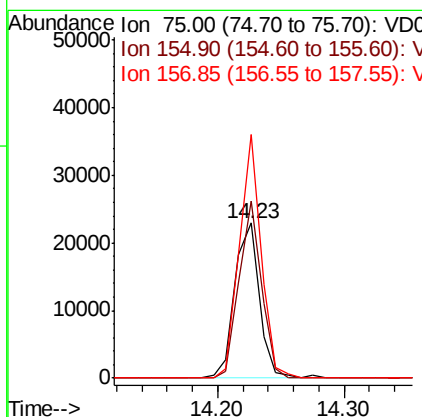
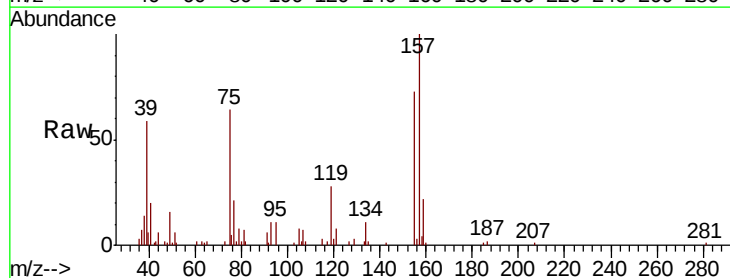
Manual Integrations
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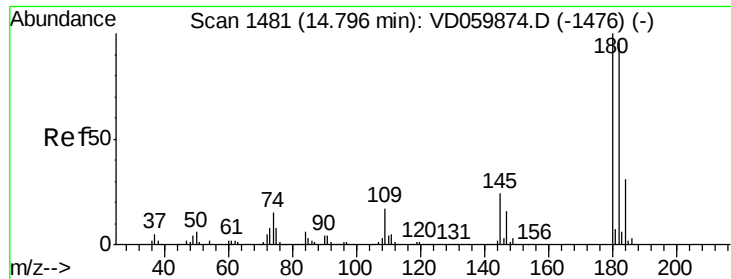
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.34 ug/l
 RT: 14.23 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	114.4	58.2	174.6
157	157.0	76.8	230.4





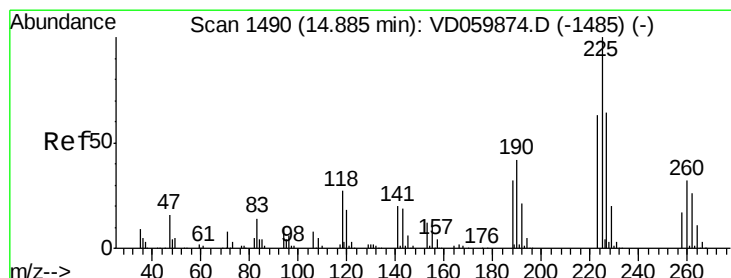
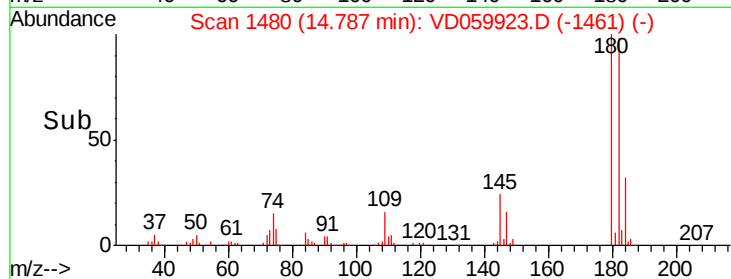
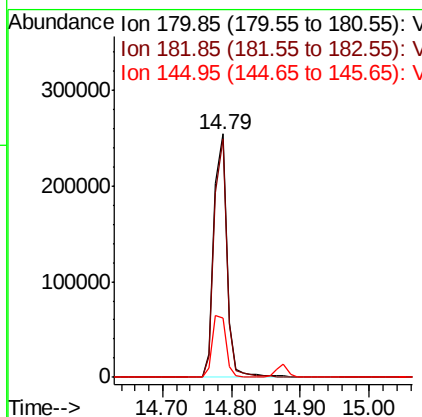
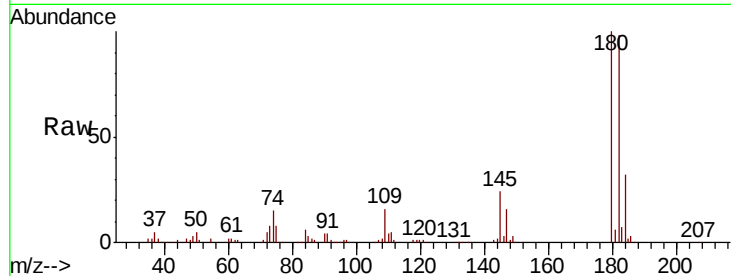
#93
 1,2,4-Trichlorobenzene
 Concen: 19.77 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.9	47.9	143.7	
145	24.5	12.2	36.4	

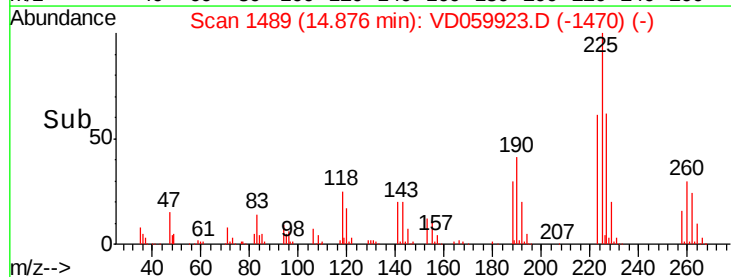
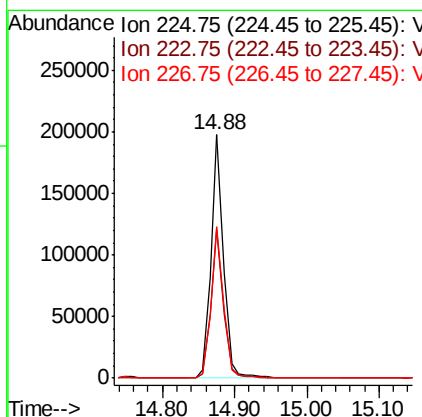
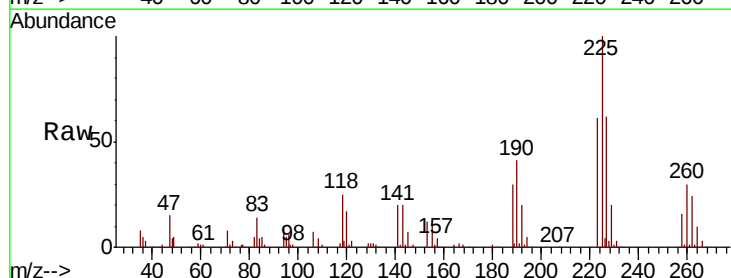
Manual Integrations
 APPROVED

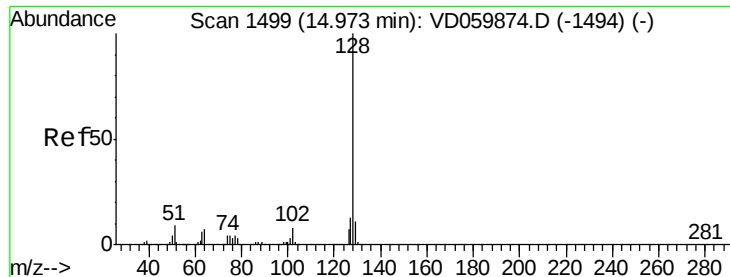
apatel
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#94
 Hexachlorobutadiene
 Concen: 21.01 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059923.D
 Acq: 30 Aug 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.9	31.6	94.8	
227	62.4	32.0	96.0	





#95

Naphthalene

Concen: 19.92 ug/l

RT: 14.96 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Instrument :

MSVOA_D

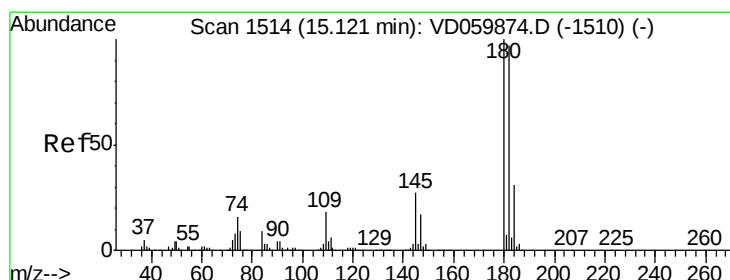
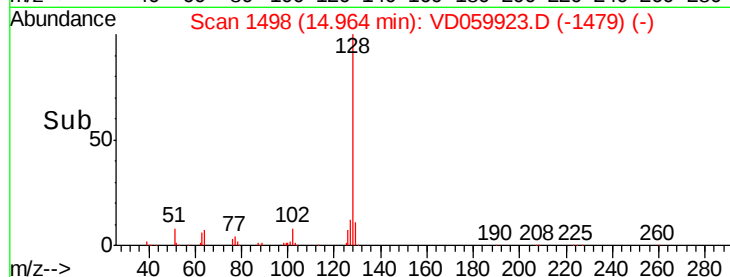
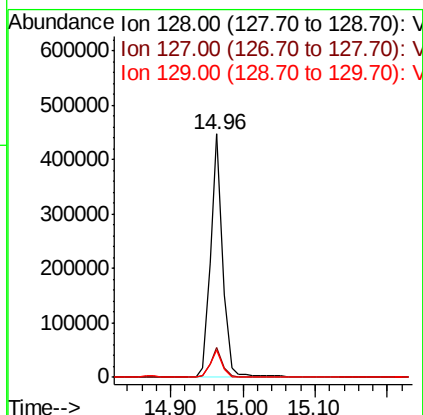
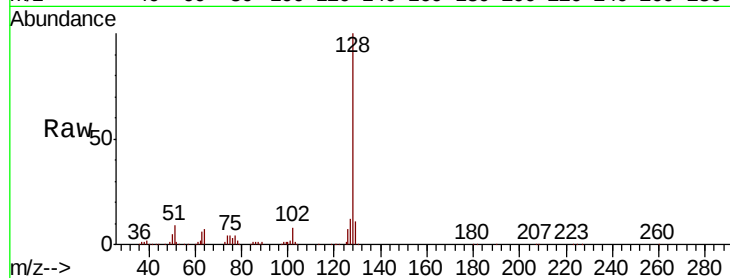
ClientSampleId :

VD0830SBS01

Tot Ion:	128	Resp:	517351
Ion Ratio	Lower	Upper	
128	100		
127	12.2	10.0	15.0
129	11.0	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.06 ug/l

RT: 15.11 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VD059923.D

Acq: 30 Aug 2018 13:03

Tgt Ion:	180	Resp:	291541
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.6	145.8
145	26.3	13.6	40.8

