

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059999.D
 Acq On : 13 Sep 2018 16:15
 Operator : JC/SY
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSVVD091318

Manual Integrations
 APPROVED

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 9/14/2018 10:58:04 AM

Quant Time: Sep 13 16:50:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1656734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2258438	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1800231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	962465	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	631185	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
35) Dibromofluoromethane	6.30	113	871198	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
50) Toluene-d8	9.44	98	2489933	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.42	95	934386	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	899899m	51.46	ug/l	
3) Chloromethane	1.74	50	804612	52.09	ug/l	99
4) Vinyl Chloride	1.84	62	636028	51.22	ug/l	100
5) Bromomethane	2.12	94	117212	79.74	ug/l	97
6) Chloroethane	2.23	64	199859	71.99	ug/l	99
7) Trichlorofluoromethane	2.49	101	757907	55.43	ug/l	97
8) Diethyl Ether	2.80	74	156395	53.81	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	453965	52.66	ug/l	98
10) Methyl Iodide	3.22	142	457923	50.15	ug/l	96
11) Tert butyl alcohol	3.94	59	245568	235.56	ug/l	99
12) 1,1-Dichloroethene	3.05	96	364007	53.40	ug/l	98
13) Acrolein	2.96	56	142287	220.40	ug/l	97
14) Allyl chloride	3.51	41	764620	53.19	ug/l	98
15) Acrylonitrile	4.06	53	984683	250.23	ug/l	98
16) Acetone	3.14	43	625310	250.68	ug/l	99
17) Carbon Disulfide	3.29	76	1268807	54.02	ug/l	98
18) Methyl Acetate	3.53	43	257761	50.81	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	1583523	50.28	ug/l	100
20) Methylene Chloride	3.69	84	911779	51.60	ug/l	99
21) trans-1,2-Dichloroethene	4.07	96	906090	50.65	ug/l	95
22) Diisopropyl ether	4.83	45	3334677	50.85	ug/l	97
23) Vinyl Acetate	4.78	43	9525997	256.42	ug/l	99
24) 1,1-Dichloroethane	4.73	63	1522670	51.74	ug/l	100
25) 2-Butanone	5.60	43	1559133	231.63	ug/l	98
26) 2,2-Dichloropropane	5.57	77	1175150	51.36	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	946783	50.60	ug/l	99
28) Bromochloromethane	5.90	49	701431	49.59	ug/l	96
29) Tetrahydrofuran	5.93	42	871416	241.40	ug/l	99
30) Chloroform	6.08	83	1499794	50.26	ug/l	99
31) Cyclohexane	6.34	56	1390417	48.46	ug/l	99
32) 1,1,1-Trichloroethane	6.26	97	1271857	51.38	ug/l	99
36) 1,1-Dichloropropene	6.50	75	1105147	49.26	ug/l	100
37) Ethyl Acetate	5.67	43	744392	48.25	ug/l	97
38) Carbon Tetrachloride	6.48	117	1071759	51.18	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1320493	52.03	ug/l	97
40) Benzene	6.78	78	2926206	51.18	ug/l	100
41) Methacrylonitrile	5.90	41	411141m	50.88	ug/l	
42) 1,2-Dichloroethane	6.87	62	870966	50.73	ug/l	98
43) Isopropyl Acetate	8.33	43	1044941	50.59	ug/l #	100
44) Trichloroethene	7.72	130	901074	51.01	ug/l	99
45) 1,2-Dichloropropane	8.09	63	777721	50.87	ug/l	99
46) Dibromomethane	8.20	93	513980	51.52	ug/l	92
47) Bromodichloromethane	8.48	83	1094518	50.89	ug/l	100
48) Methyl methacrylate	8.23	41	596856	51.88	ug/l	99
49) 1,4-Dioxane	8.21	88	111112	972.43	ug/l	95
51) 4-Methyl-2-Pentanone	9.33	43	3195558	232.84	ug/l	100
52) Toluene	9.53	92	1887889	51.51	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	1031406	51.42	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	1236345	51.58	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	617522	48.53	ug/l	97
56) Ethyl methacrylate	10.01	69	724543	51.33	ug/l	99
57) 1,3-Dichloropropane	10.37	76	955285	50.86	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1745969	256.16	ug/l	98
59) 2-Hexanone	10.48	43	2327271	237.87	ug/l	100
60) Dibromochloromethane	10.62	129	801550	51.75	ug/l	99
61) 1,2-Dibromoethane	10.74	107	667092	50.77	ug/l	97
64) Tetrachloroethene	10.24	164	828757	52.18	ug/l	99
65) Chlorobenzene	11.30	112	2050432	52.98	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	701352	53.73	ug/l	97
67) Ethyl Benzene	11.42	91	3326868	53.41	ug/l	99
68) m/p-Xylenes	11.56	106	2508170	109.03	ug/l	100
69) o-Xylene	11.92	106	1246354	54.68	ug/l	98
70) Styrene	11.95	104	2109434	55.04	ug/l	98
71) Bromoform	12.11	173	610846	54.46	ug/l	98
73) Isopropylbenzene	12.27	105	3323827	52.66	ug/l	100
74) N-amyl acetate	12.13	43	1282870	51.31	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	737242	51.48	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	759934	51.70	ug/l	98
77) Bromobenzene	12.53	156	969498	53.32	ug/l	98
78) n-propylbenzene	12.63	91	4147101	52.24	ug/l	100
79) 2-Chlorotoluene	12.70	91	2250558	50.23	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	2535535	52.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	229257	51.67	ug/l	99
82) 4-Chlorotoluene	12.80	91	2532128	51.41	ug/l	99
83) tert-Butylbenzene	13.04	119	2914739	52.00	ug/l	91
84) 1,2,4-Trimethylbenzene	13.08	105	2640684	51.15	ug/l	100
85) sec-Butylbenzene	13.21	105	3510653	52.76	ug/l	99
86) p-Isopropyltoluene	13.34	119	2823268	52.46	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	1617795	51.16	ug/l	100
88) 1,4-Dichlorobenzene	13.38	146	1654123	51.58	ug/l	95
89) n-Butylbenzene	13.64	91	2722402	54.99	ug/l	95
90) Hexachloroethane	13.85	117	727133	54.55	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1364185	54.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	102915	47.14	ug/l	97

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ClientSampleId :
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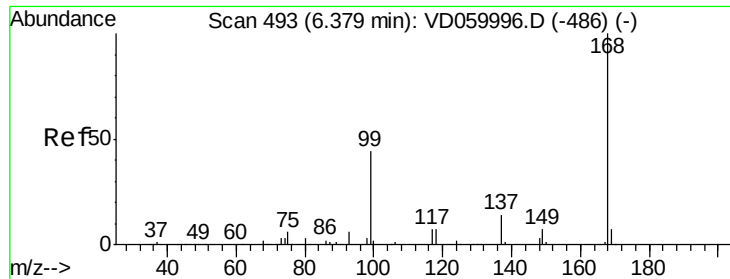
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1217507	54.03	ug/l	97
94) Hexachlorobutadiene	14.88	225	777122	52.14	ug/l	99
95) Naphthalene	14.96	128	1776831	51.06	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1004239	50.57	ug/l	99

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



#1

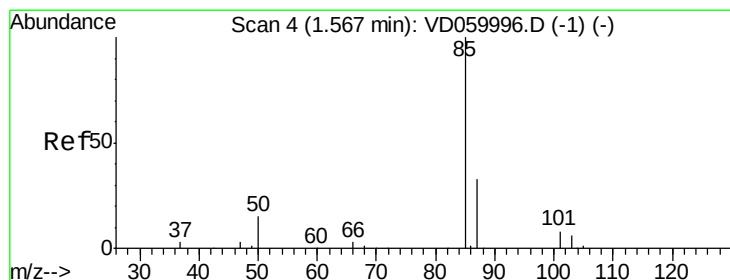
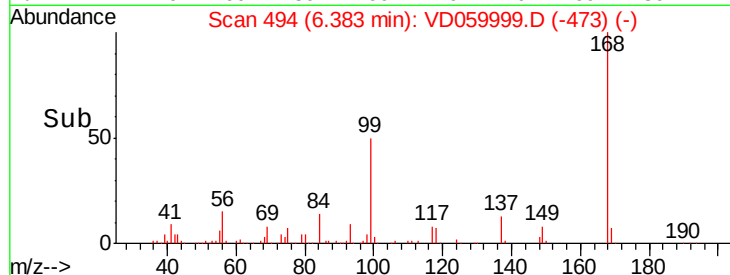
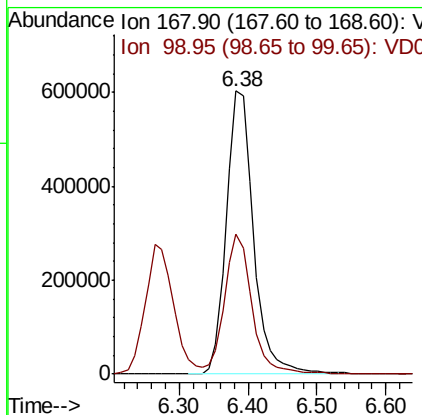
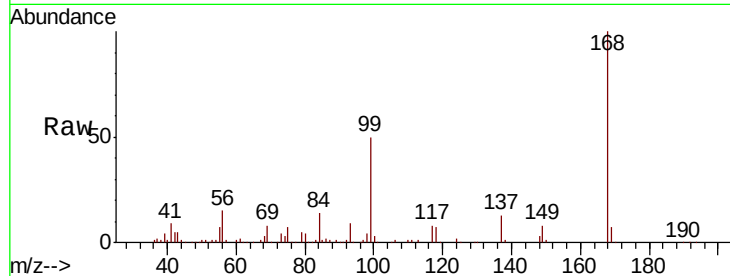
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091318

Tot Ion:168 Resp: 1656734
 Ion Ratio Lower Upper
 168 100
 99 49.6 38.5 57.7

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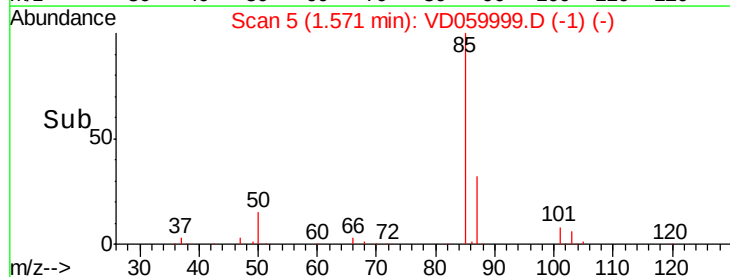
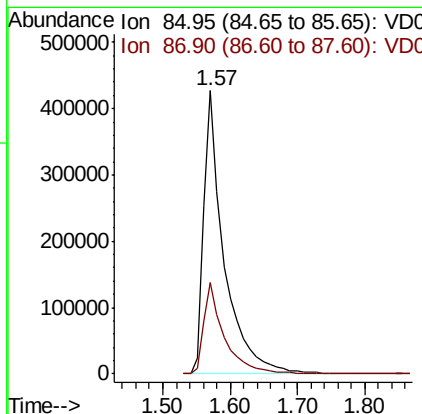
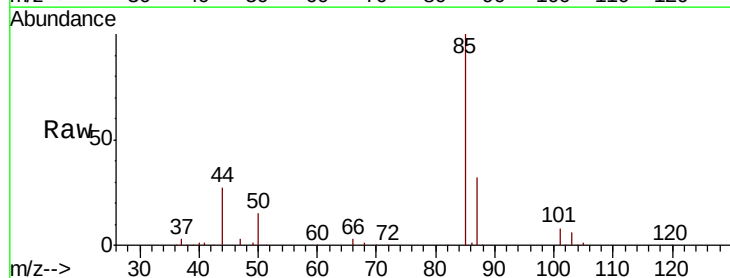
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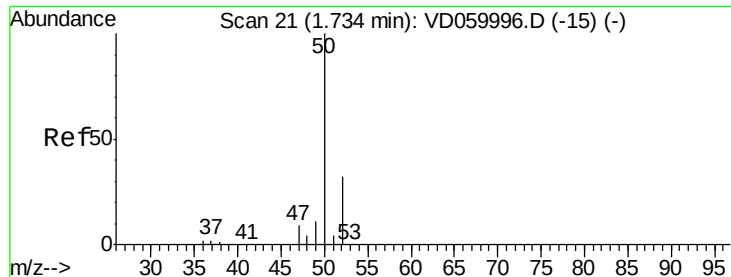


#2

Dichlorodifluoromethane
 Concen: 51.46 ug/l m
 RT: 1.57 min Scan# 5
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion: 85 Resp: 899899
 Ion Ratio Lower Upper
 85 100
 87 32.4 16.4 49.1





#3

Chloromethane

Concen: 52.09 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091318

Tot Ion: 50 Resp: 804612

Ion Ratio Lower Upper

50 100

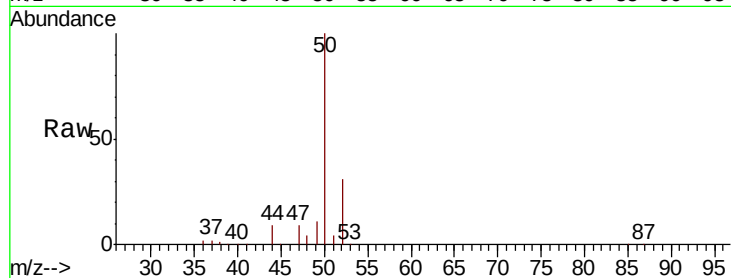
52 31.4 25.4 38.2

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

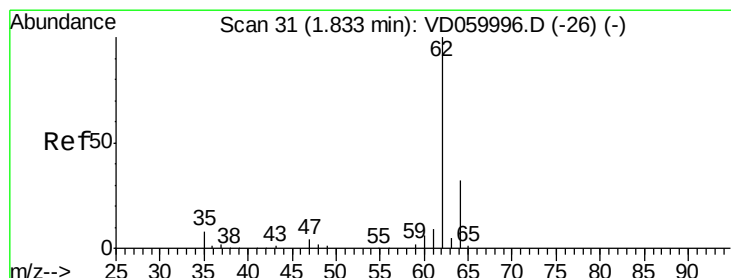
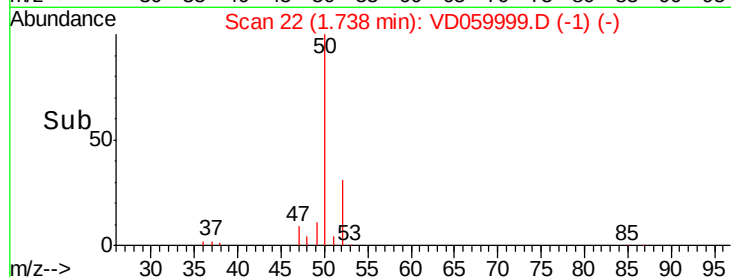
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 51.22 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD059999.D

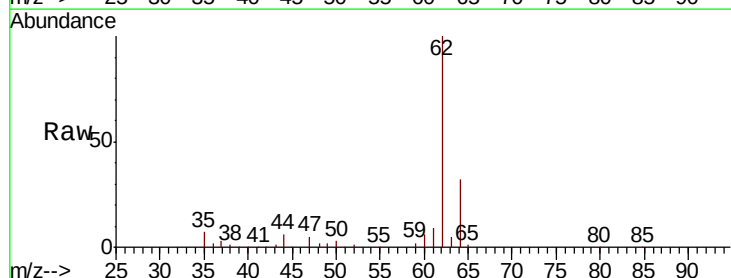
Acq: 13 Sep 2018 16:15

Tgt Ion: 62 Resp: 636028

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

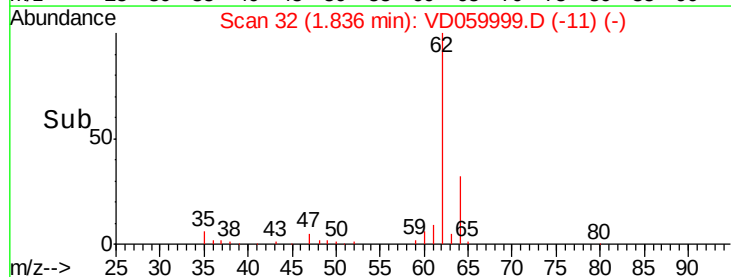
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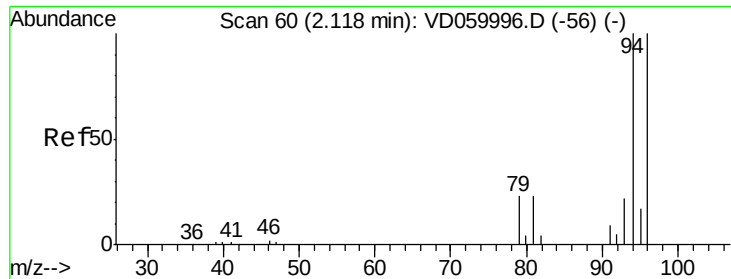
200000

100000

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Time-->





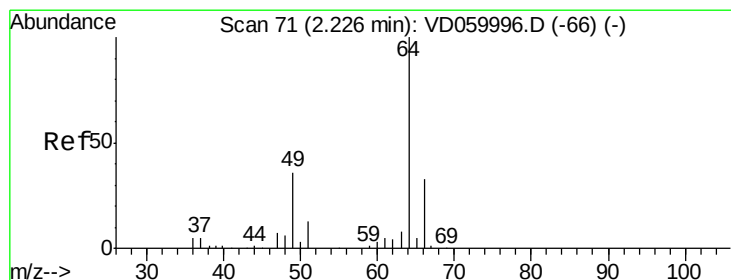
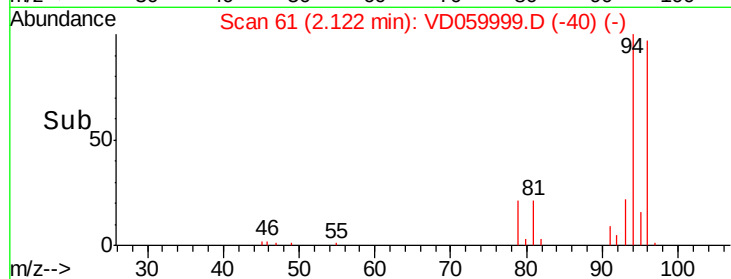
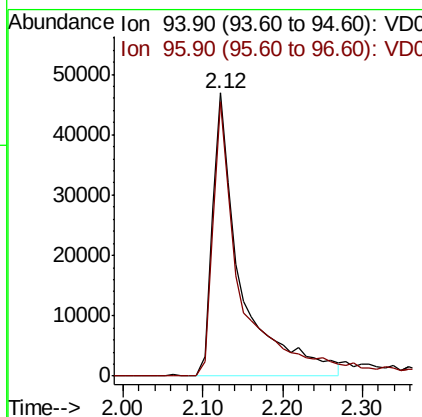
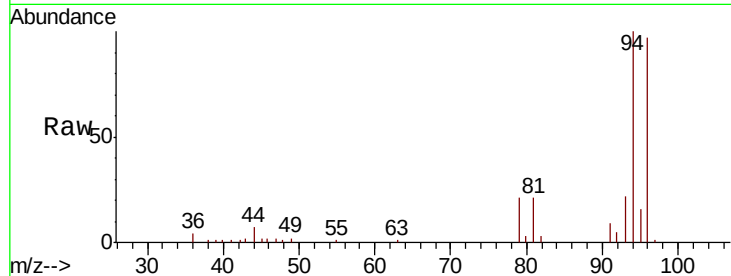
#5
Bromomethane
Concen: 79.74 ug/l
RT: 2.12 min Scan# 61
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion: 94 Resp: 117212
Ion Ratio Lower Upper
94 100
96 96.9 79.8 119.8

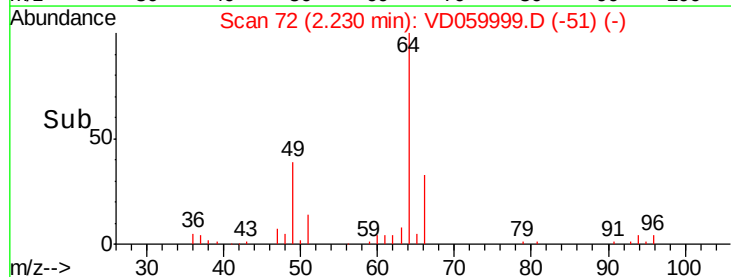
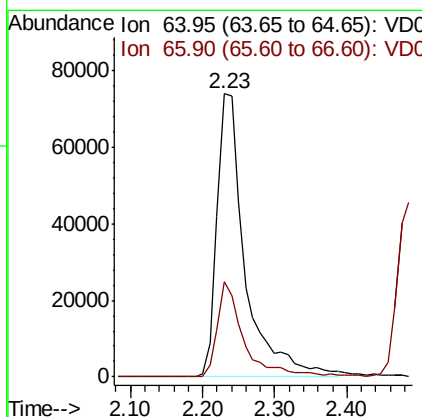
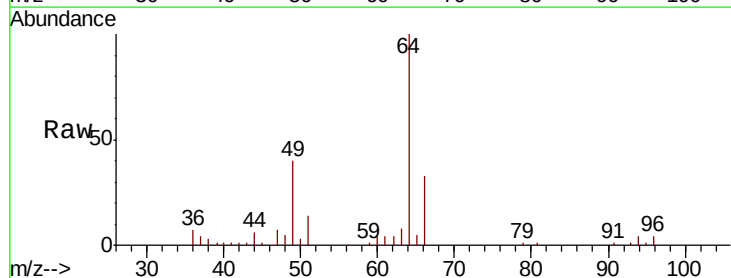
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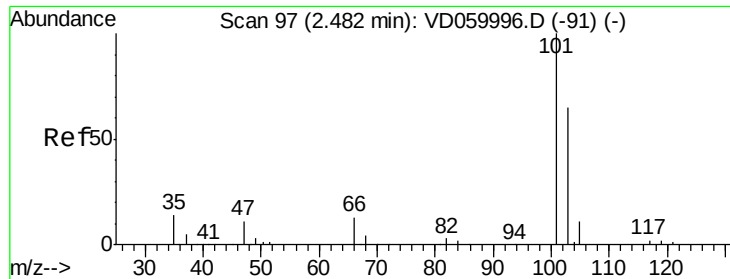
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#6
Chloroethane
Concen: 71.99 ug/l
RT: 2.23 min Scan# 72
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion: 64 Resp: 199859
Ion Ratio Lower Upper
64 100
66 33.4 26.5 39.7





#7

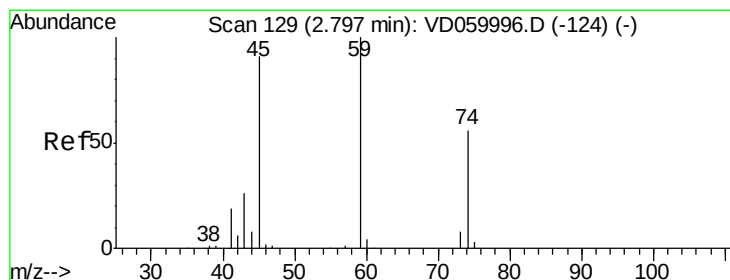
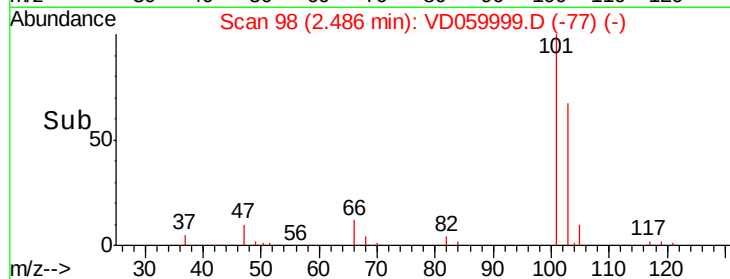
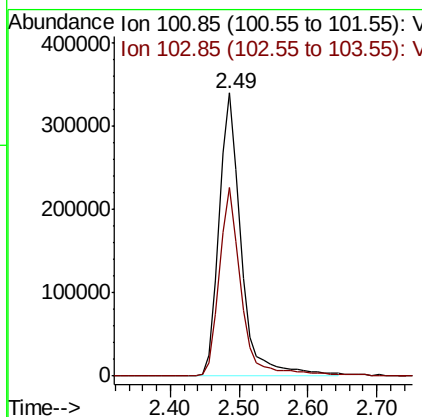
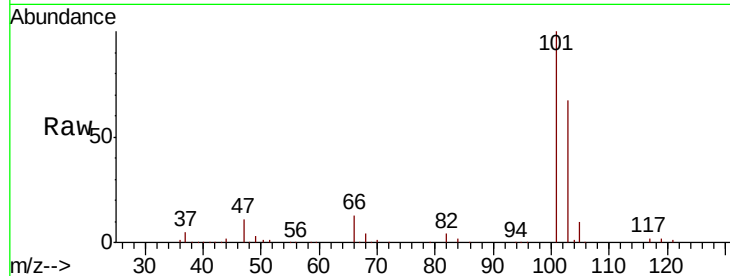
Trichlorofluoromethane
 Concen: 55.43 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	51.6	77.4

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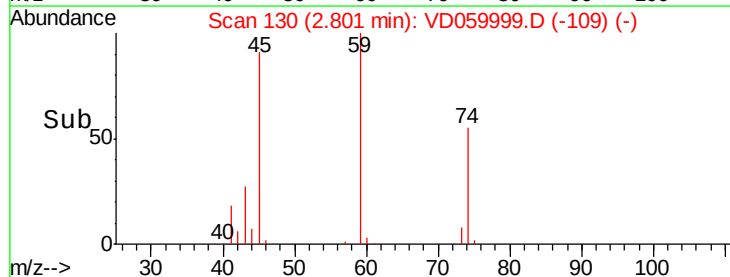
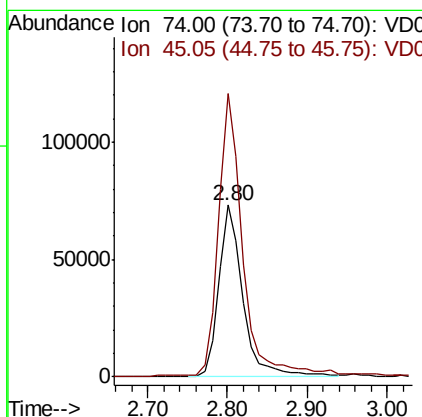
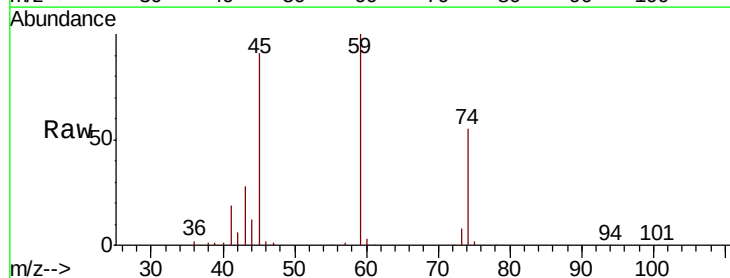
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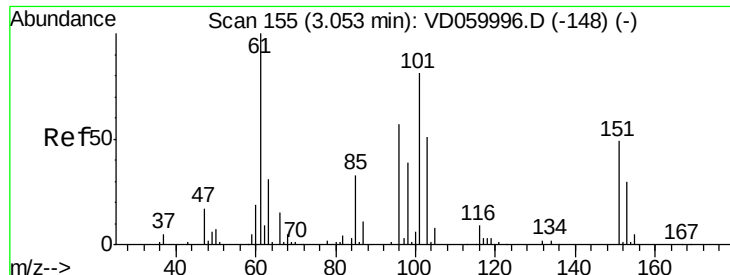


#8

Diethyl Ether
 Concen: 53.81 ug/l
 RT: 2.80 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	164.9	81.2	243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.66 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

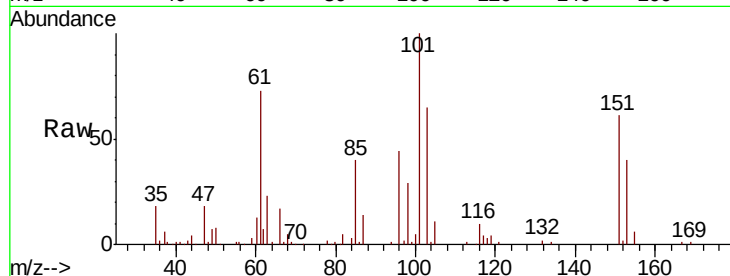
ClientSampleId :

ICVVD091318

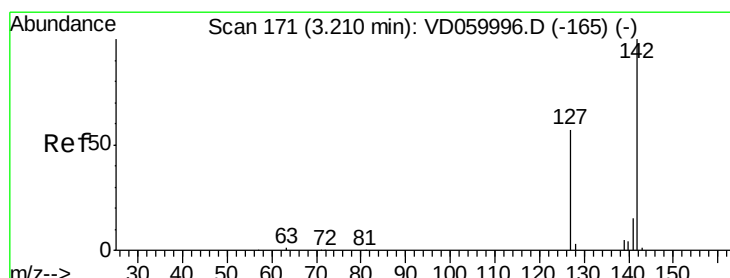
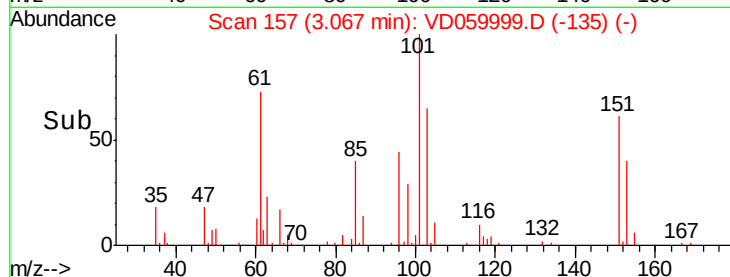
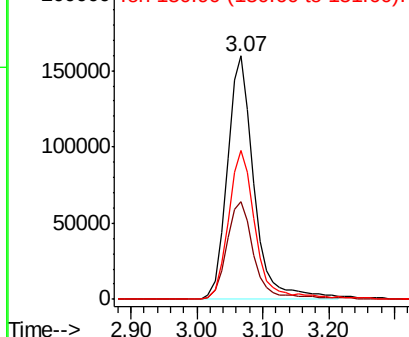
Tot Ion:	101	Resp:	453965
Ion Ratio	Lower	Upper	
101	100		
85	40.1	33.1	49.7
151	61.3	48.2	72.4

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



#10

Methyl Iodide

Concen: 50.15 ug/l

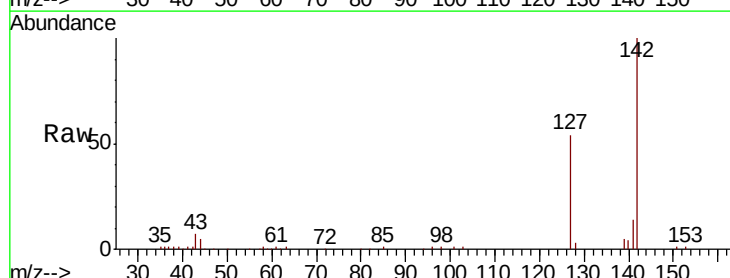
RT: 3.22 min Scan# 173

Delta R.T. 0.01 min

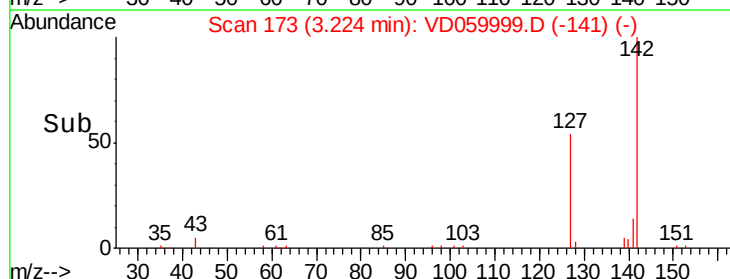
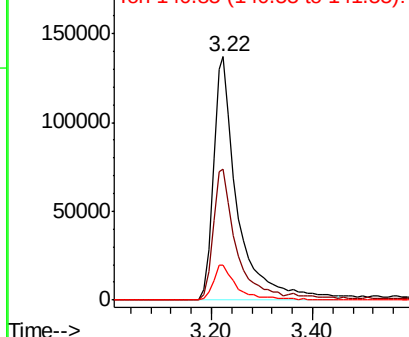
Lab File: VD059999.D

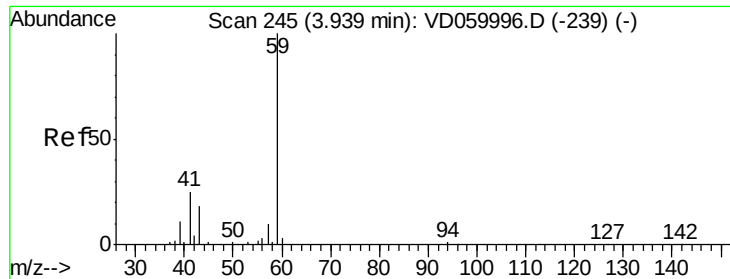
Acq: 13 Sep 2018 16:15

Tgt Ion:	142	Resp:	457923
Ion Ratio	Lower	Upper	
142	100		
127	53.9	45.8	68.8
141	14.3	12.2	18.4



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





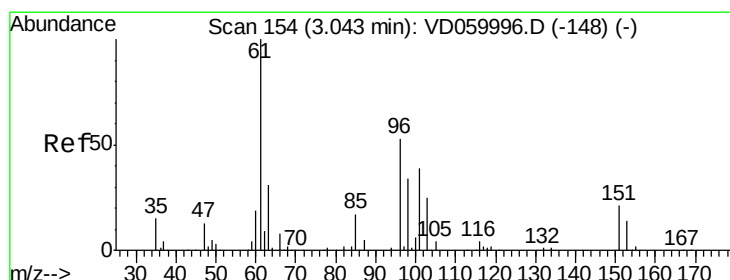
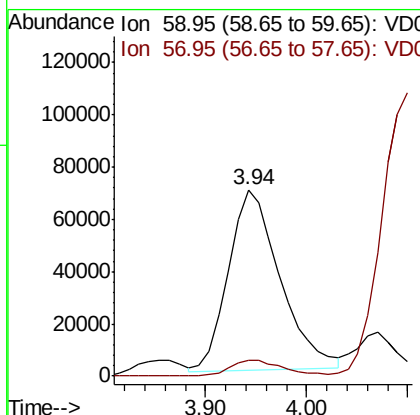
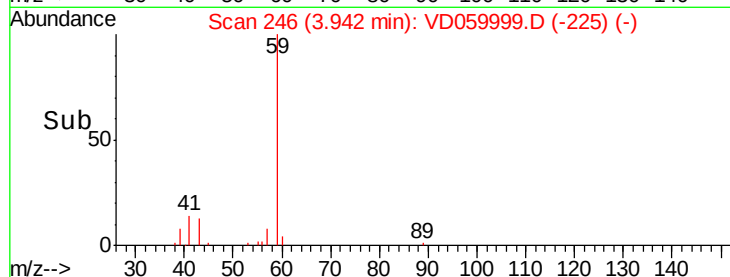
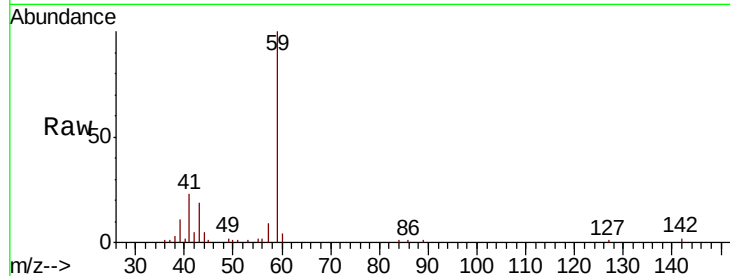
#11
Tert butyl alcohol
Concen: 235.56 ug/l
RT: 3.94 min Scan# 246
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	7.4	11.2

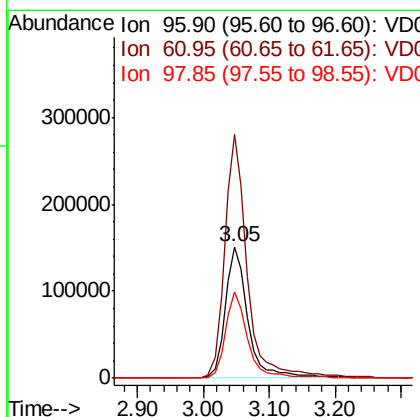
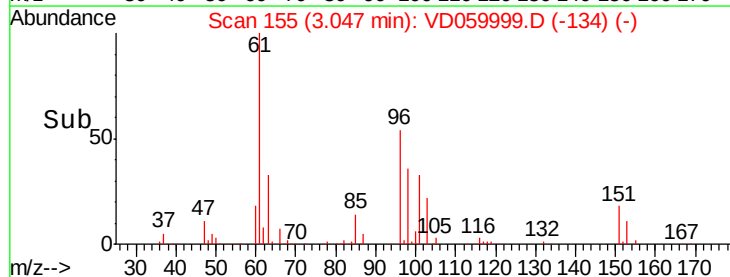
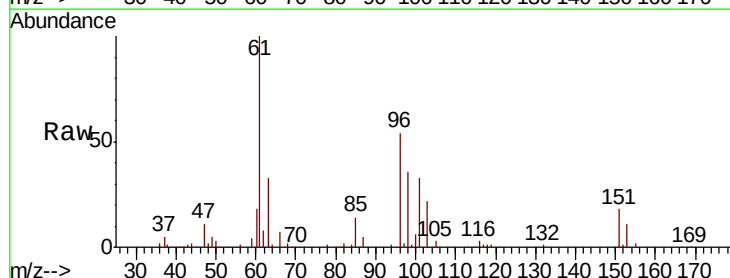
Manual Integrations
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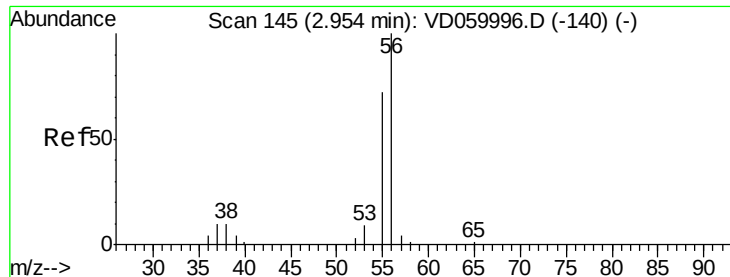
apatel
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#12
1,1-Dichloroethene
Concen: 53.40 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.9	149.8	224.6
98	66.0	50.2	75.4





#13

Acrolein

Concen: 220.40 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091318

Tot Ion: 56 Resp: 142287

Ion Ratio Lower Upper

56 100

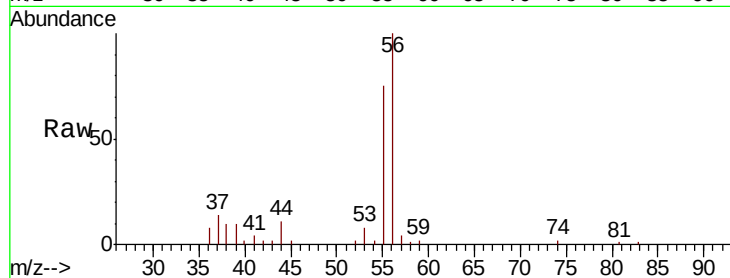
55 75.4 58.3 87.5

Manual Integrations

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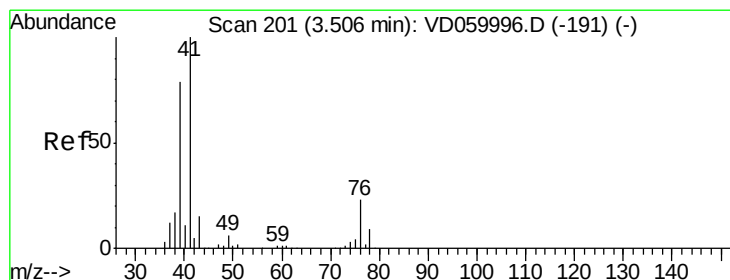
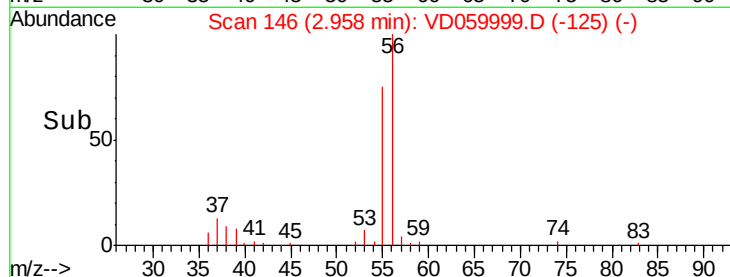
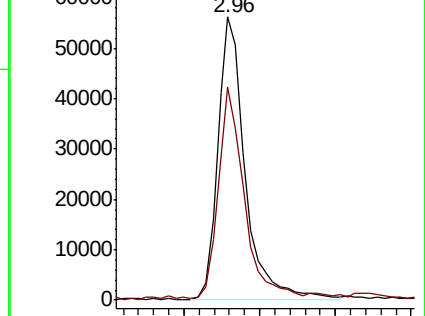
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.19 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

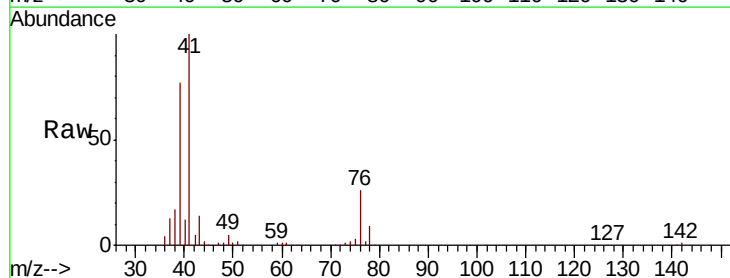
Tgt Ion: 41 Resp: 764620

Ion Ratio Lower Upper

41 100

39 77.5 63.6 95.4

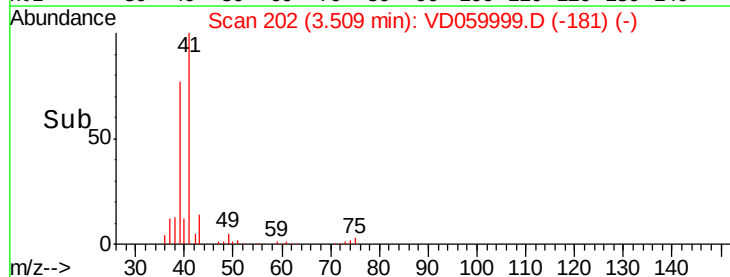
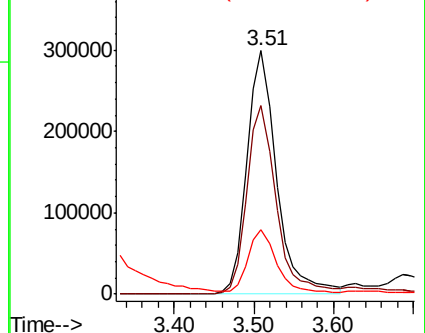
76 26.4 21.1 31.7

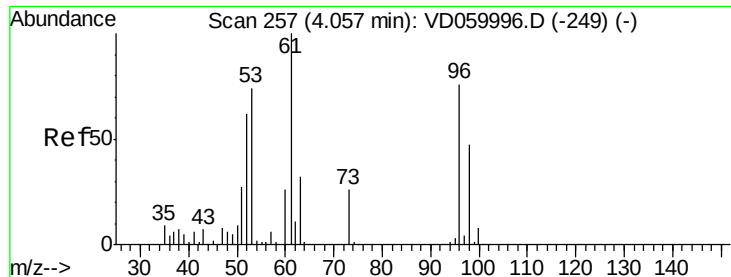


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 250.23 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

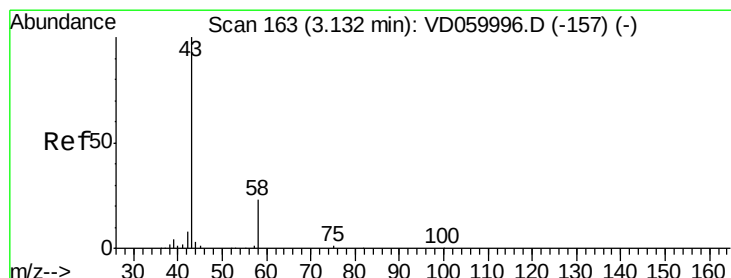
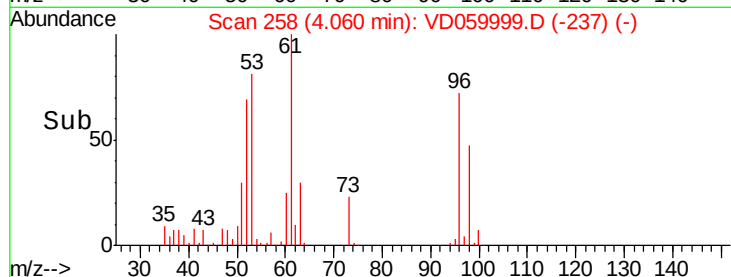
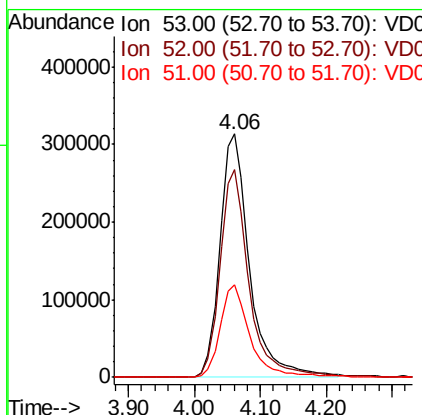
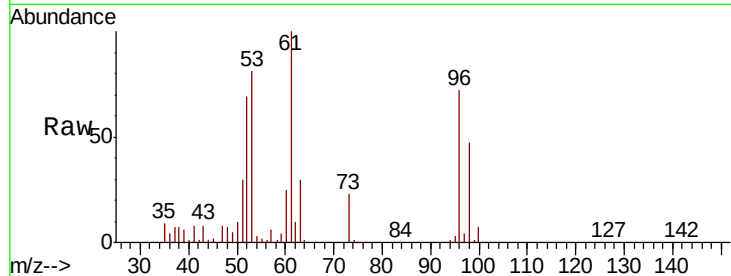
ClientSampleId :

ICVVD091318

Tot Ion:	53	Resp:	984683
Ion	Ratio	Lower	Upper
53	100		
52	85.4	66.7	100.1
51	37.8	29.0	43.6

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#16

Acetone

Concen: 250.68 ug/l

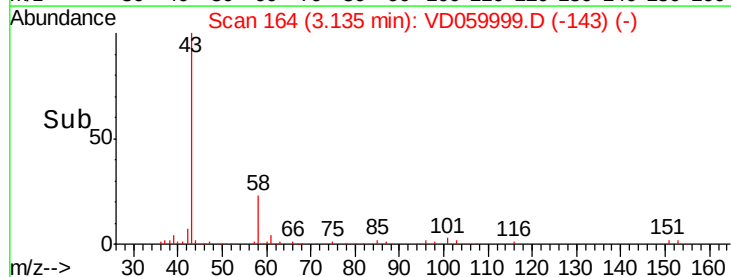
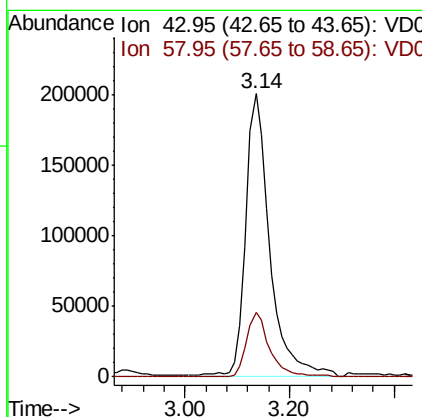
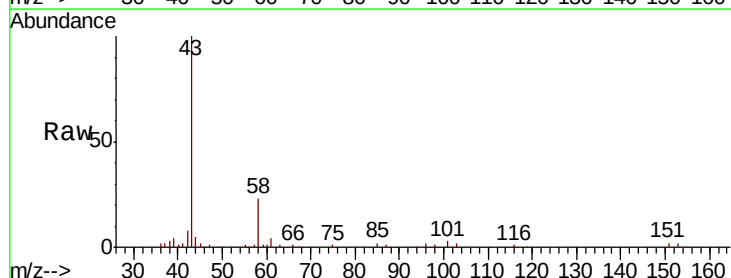
RT: 3.14 min Scan# 164

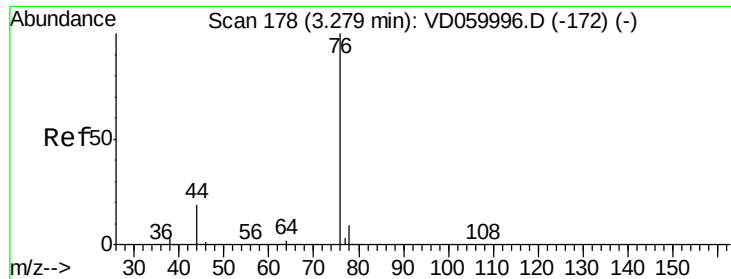
Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Tgt Ion:	43	Resp:	625310
Ion	Ratio	Lower	Upper
43	100		
58	22.9	18.1	27.1





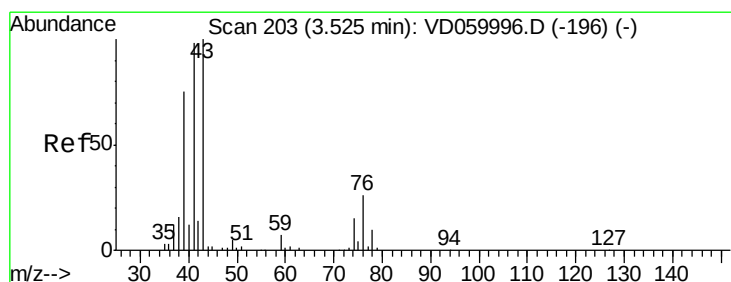
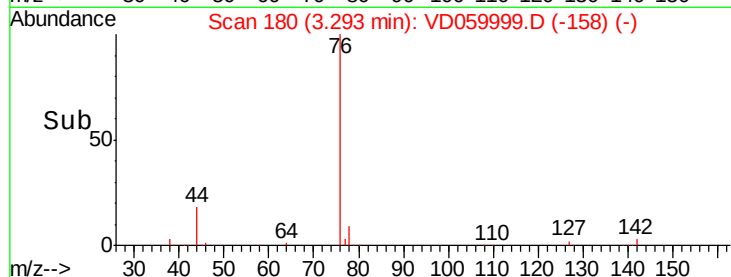
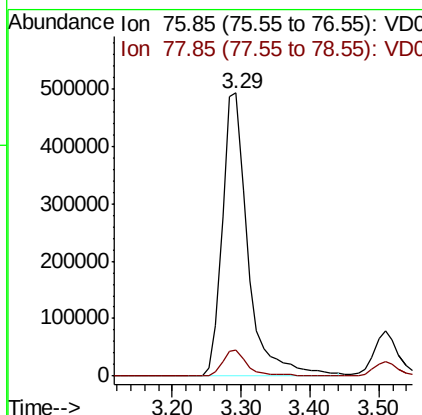
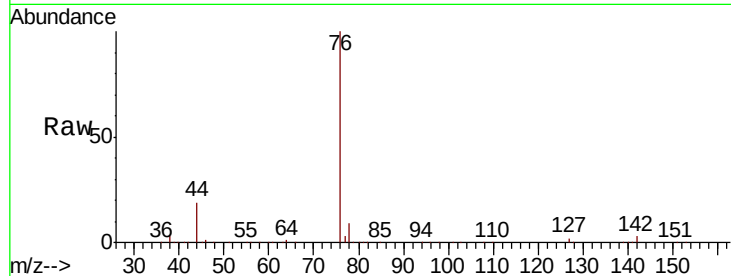
#17
Carbon Disulfide
Concen: 54.02 ug/l
RT: 3.29 min Scan# 180
Delta R.T. 0.01 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion: 76 Resp: 1268807
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4

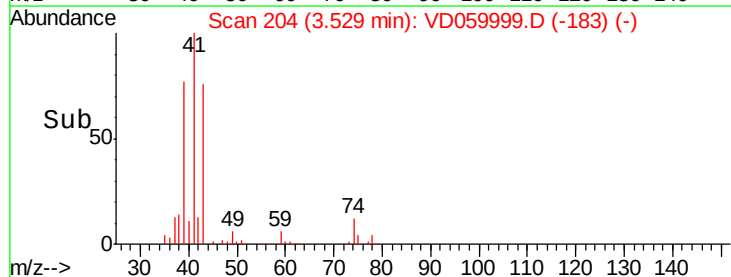
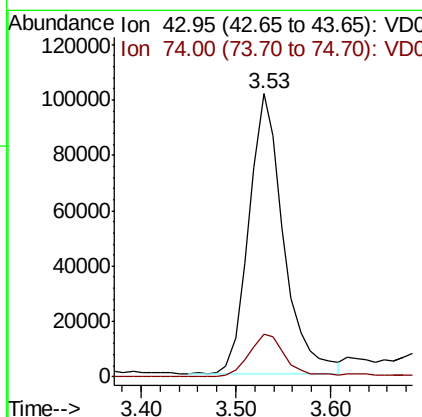
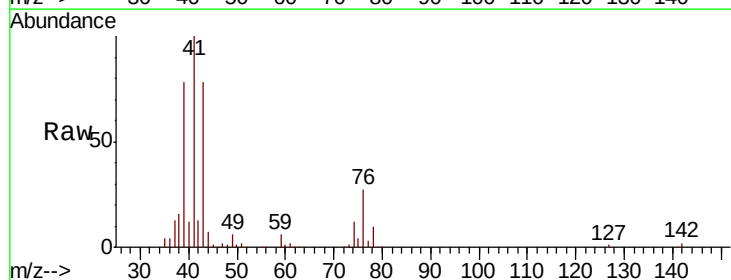
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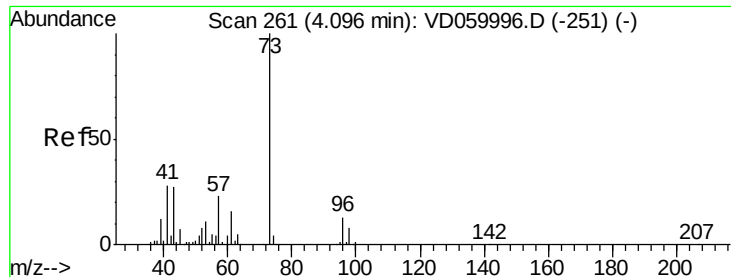
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#18
Methyl Acetate
Concen: 50.81 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion: 43 Resp: 257761
Ion Ratio Lower Upper
43 100
74 15.0 11.8 17.8





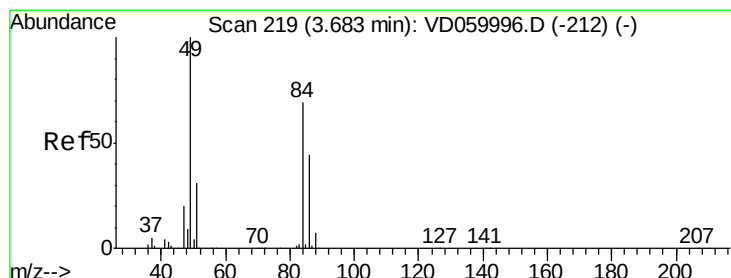
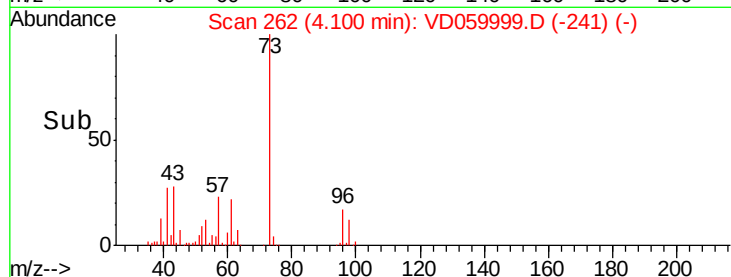
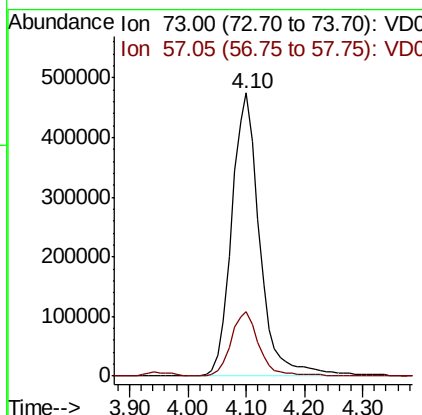
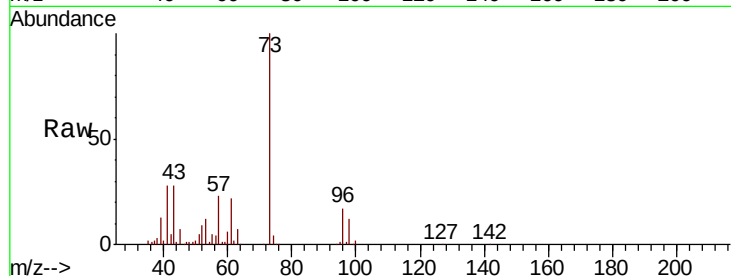
#19
Methyl tert-butyl Ether
Concen: 50.28 ug/l
RT: 4.10 min Scan# 262
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleID :
ICVVD091318

Tot Ion: 73 Resp: 1583523
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

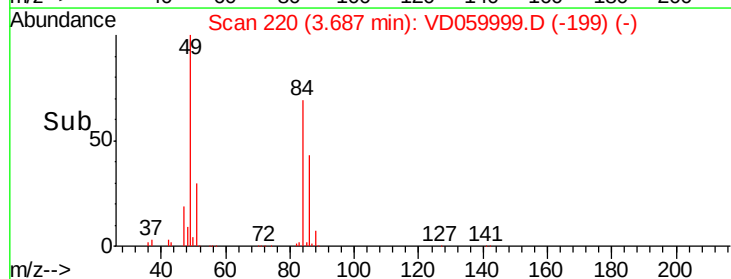
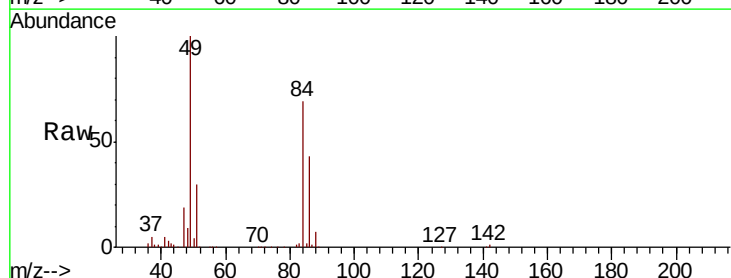
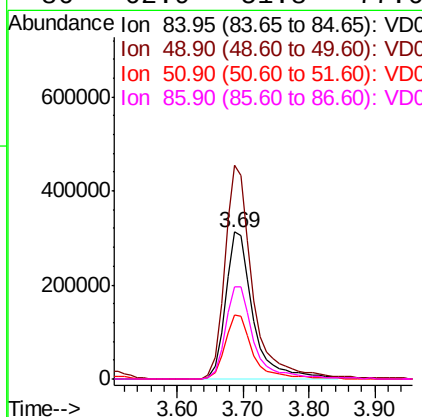
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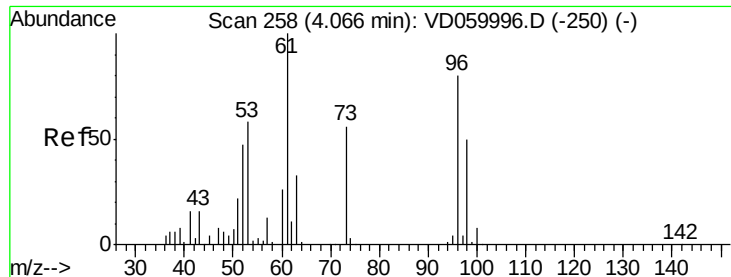
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#20
Methylene Chloride
Concen: 51.60 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion: 84 Resp: 911779
Ion Ratio Lower Upper
84 100
49 145.7 116.6 175.0
51 43.7 35.9 53.9
86 62.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.65 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

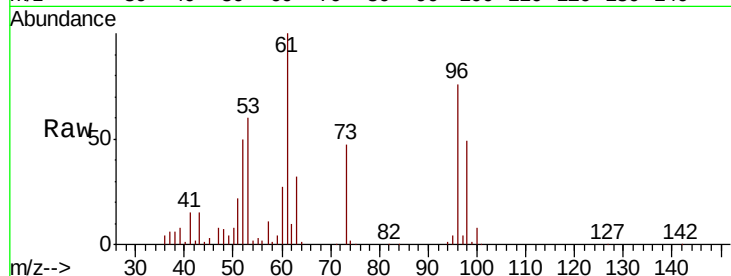
ClientSampleId :

ICVVD091318

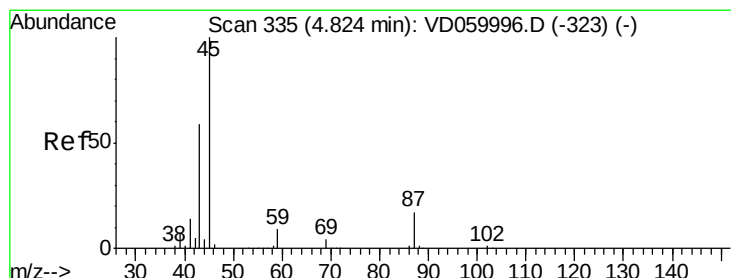
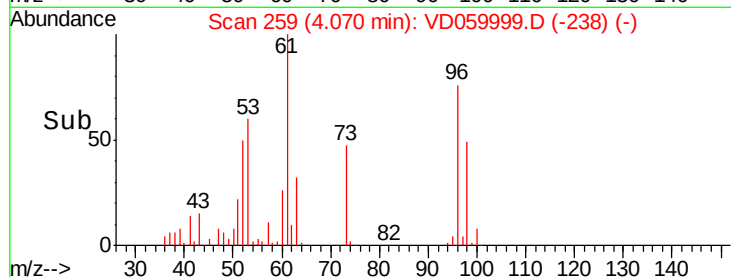
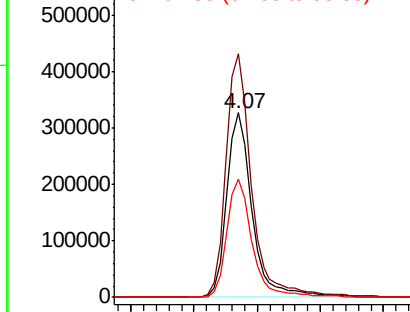
Tot Ion:	96	Resp:	906090
Ion	Ratio	Lower	Upper
96	100		
61	132.2	100.1	150.1
98	64.4	49.5	74.3

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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



#22

Diisopropyl ether

Concen: 50.85 ug/l

RT: 4.83 min Scan# 336

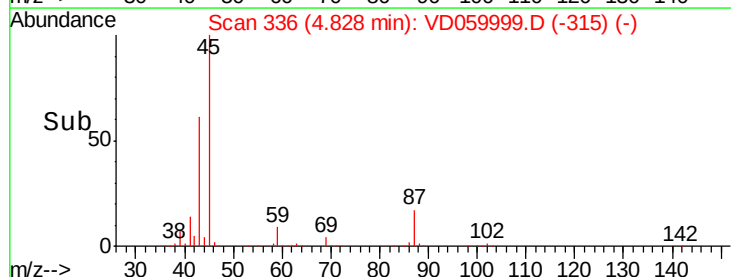
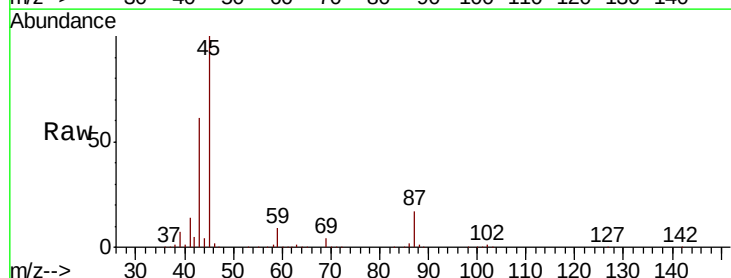
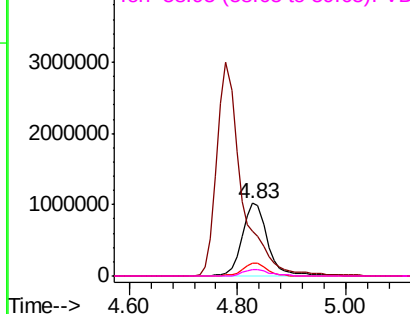
Delta R.T. 0.00 min

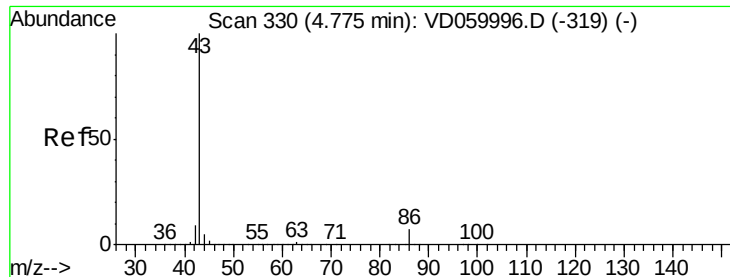
Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Tgt Ion:	45	Resp:	3334677
Ion	Ratio	Lower	Upper
45	100		
43	61.4	47.1	70.7
87	16.9	14.2	21.2
59	8.9	7.0	10.6

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 256.42 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091318

Tot Ion: 43 Resp: 9525997

Ion Ratio Lower Upper

43 100

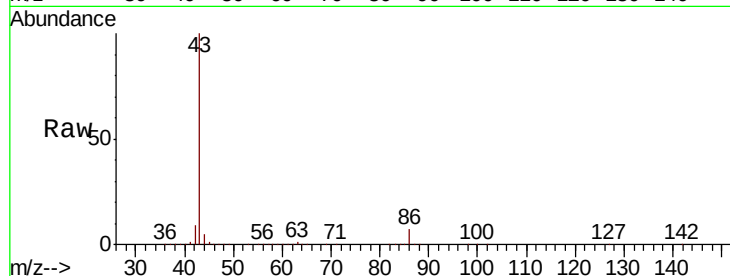
86 6.7 5.5 8.3

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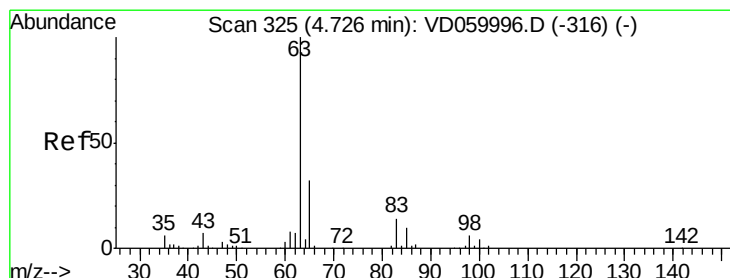
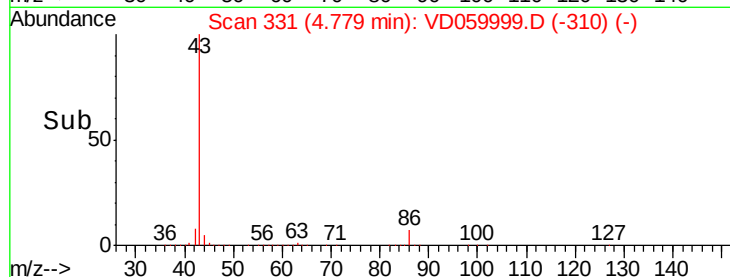
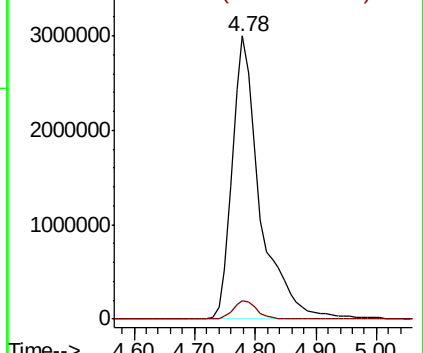
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.74 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

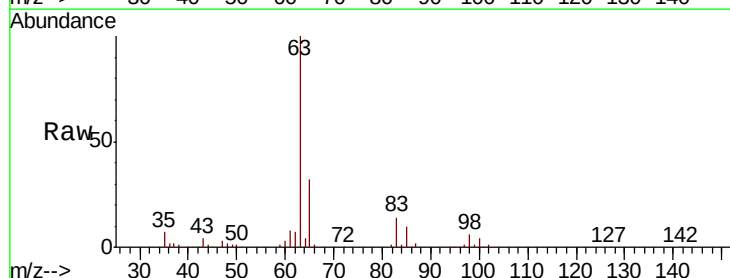
Tgt Ion: 63 Resp: 1522670

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

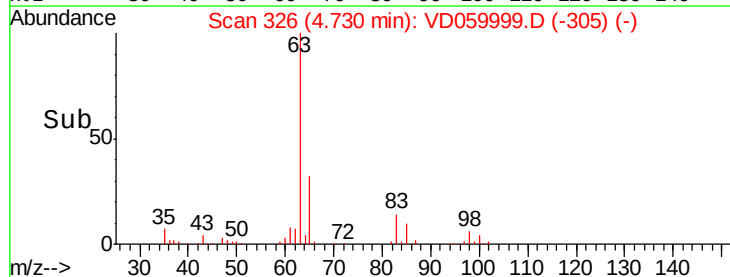
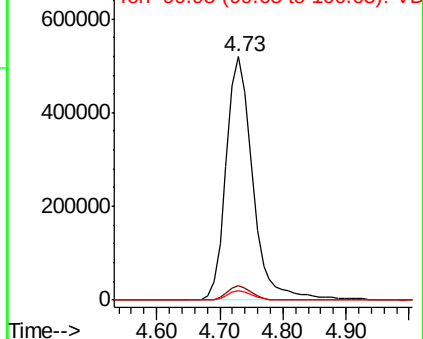
100 3.6 1.8 5.4

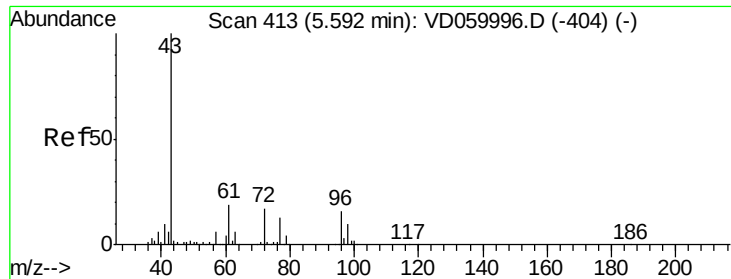


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 231.63 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091318

Tot Ion: 43 Resp: 1559133

Ion Ratio Lower Upper

43 100

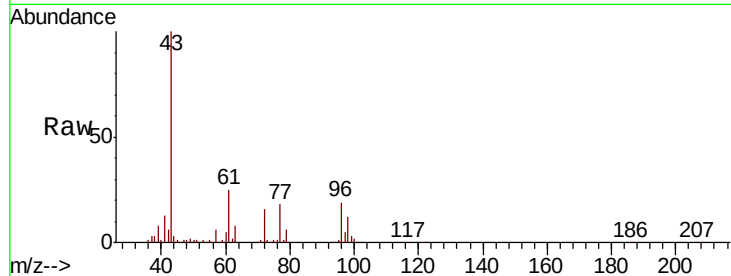
72 16.1 13.6 20.4

Manual Integrations

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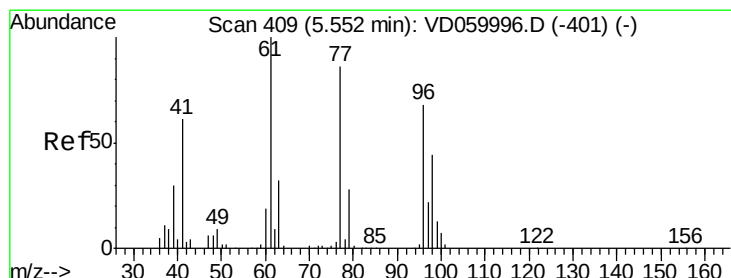
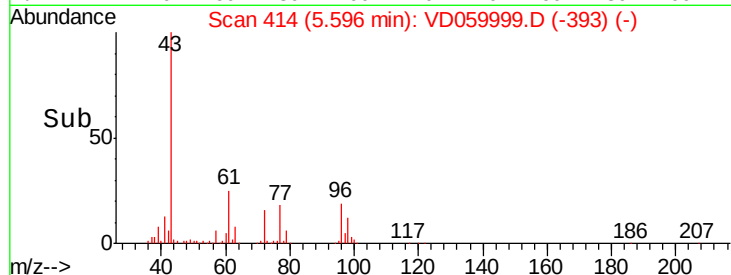
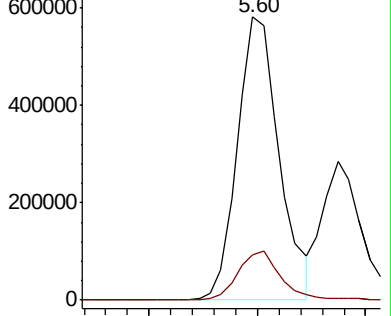
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.36 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD059999.D

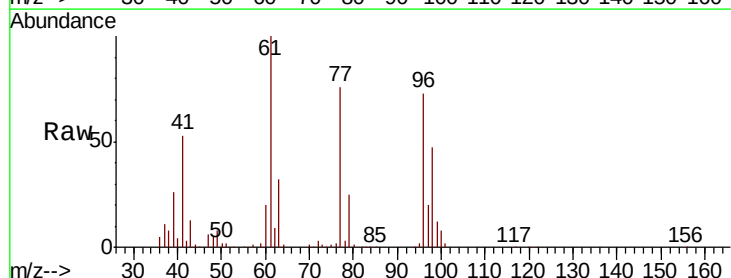
Acq: 13 Sep 2018 16:15

Tgt Ion: 77 Resp: 1175150

Ion Ratio Lower Upper

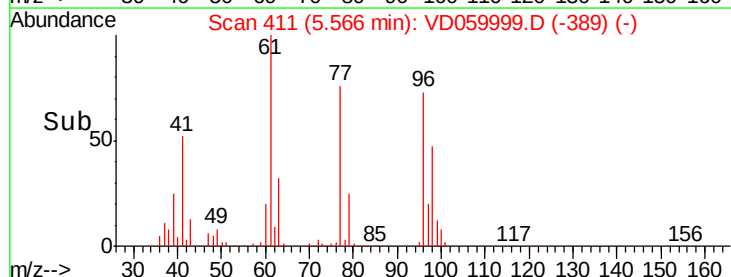
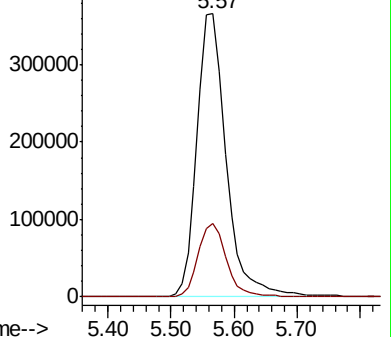
77 100

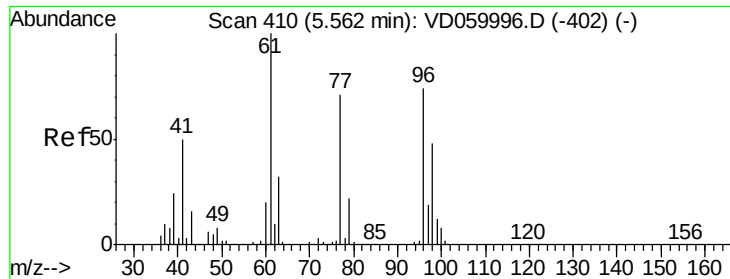
97 26.1 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

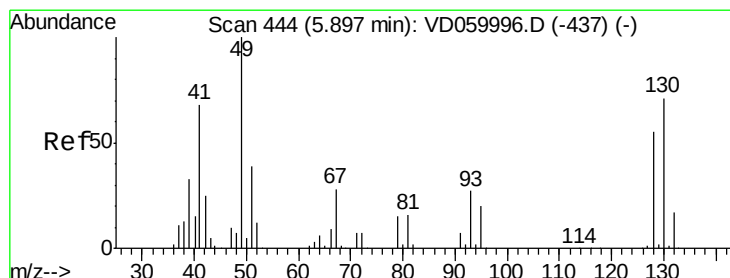
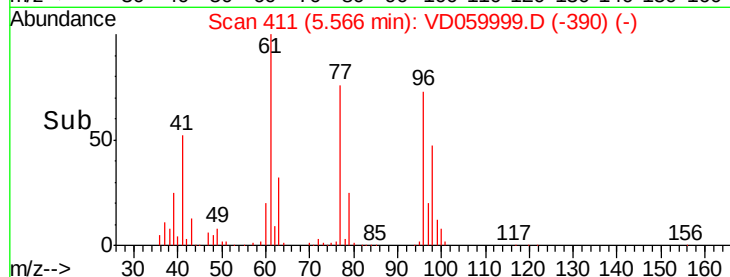
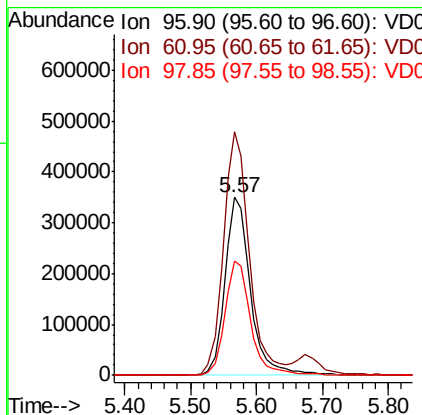
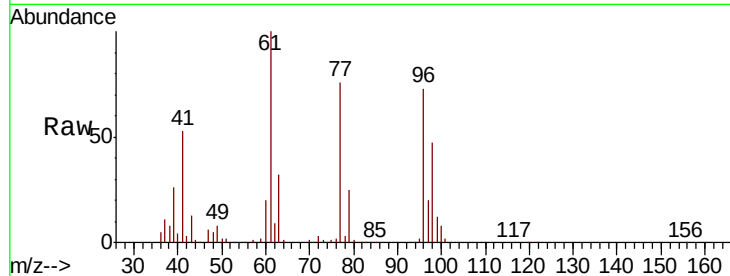
cis-1,2-Dichloroethene
Concen: 50.60 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	269.6
98	64.6	0.0	128.4

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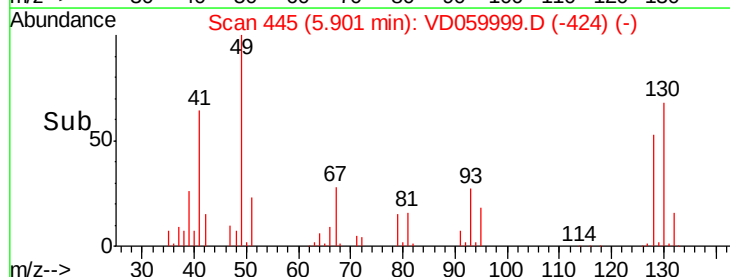
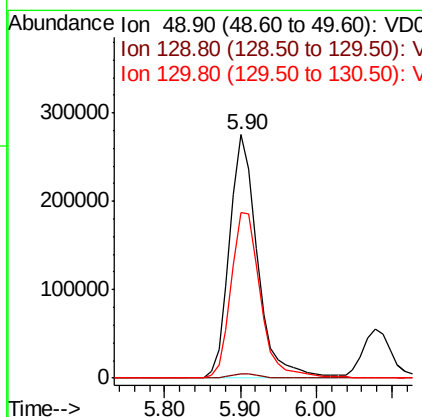
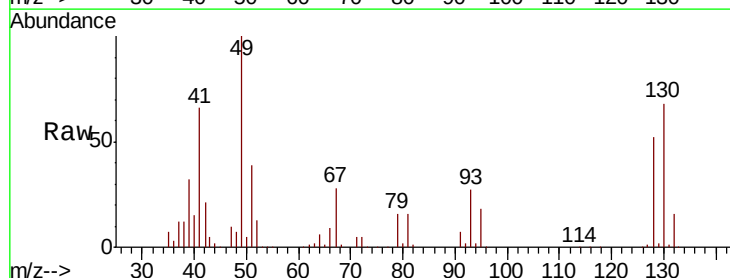
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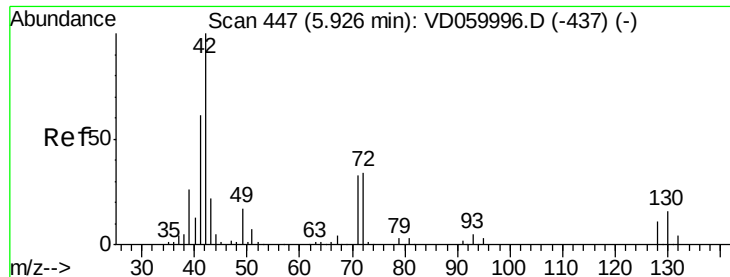


#28

Bromochloromethane
Concen: 49.59 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	67.8	57.1	85.7





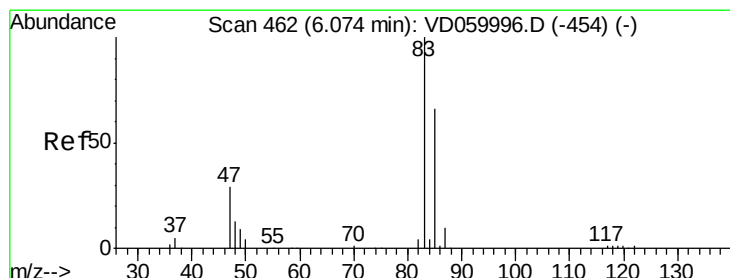
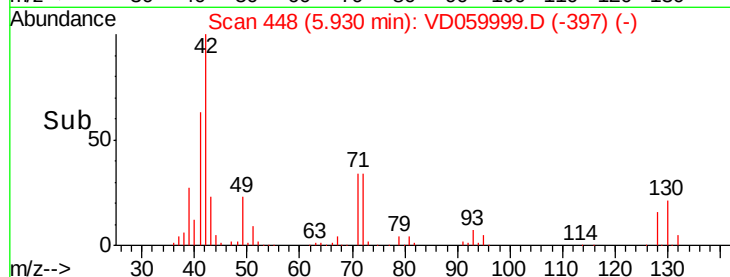
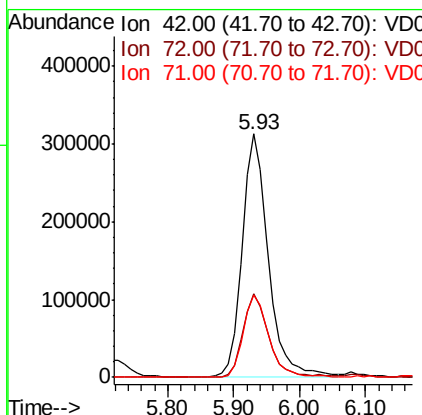
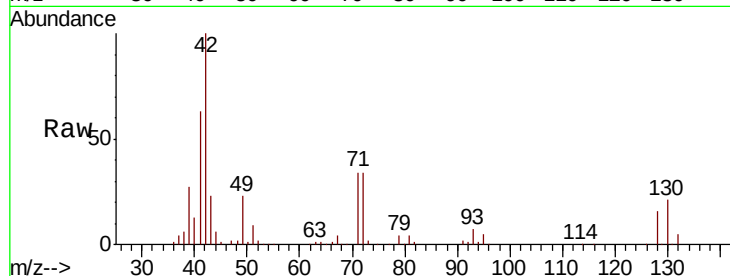
#29
Tetrahydrofuran
Concen: 241.40 ug/l
RT: 5.93 min Scan# 448
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.8	26.9	40.3
71	33.3	26.2	39.4

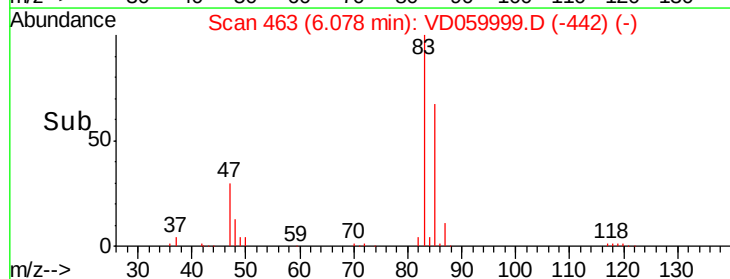
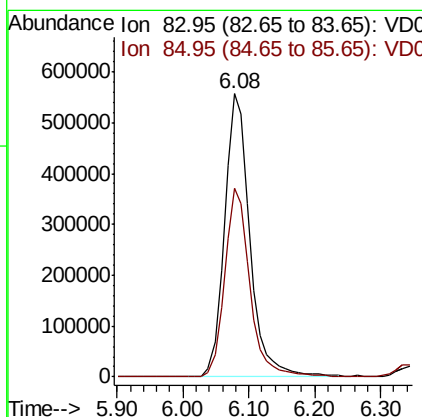
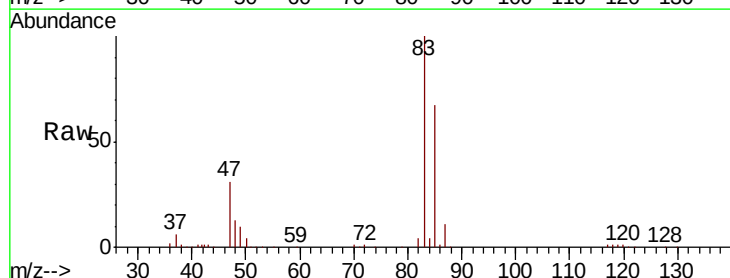
Manual Integrations
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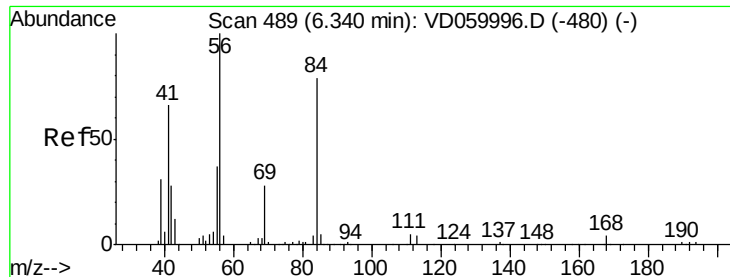
apatel
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#30
Chloroform
Concen: 50.26 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	52.6	78.8





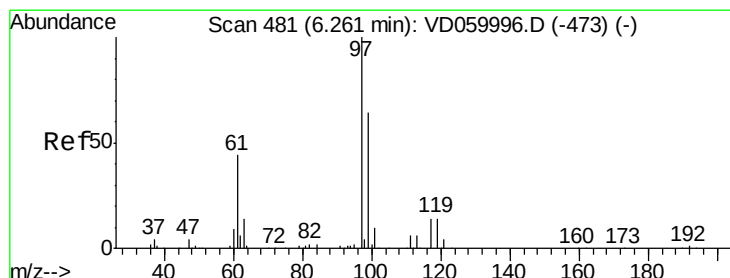
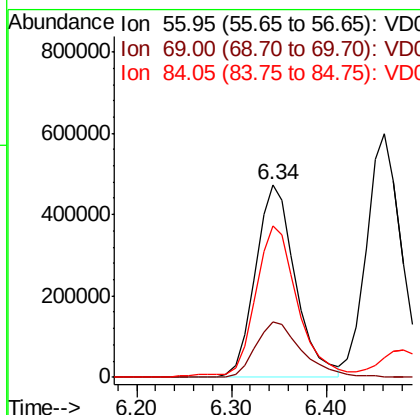
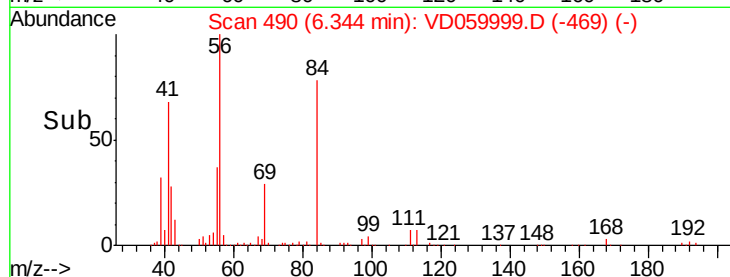
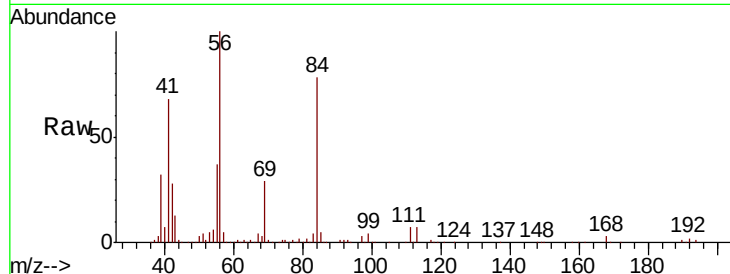
#31
Cyclohexane
Concen: 48.46 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion	56	69	84
Ion	56	69	84
Ratio	100	28.5	78.5
Lower		22.7	64.0
Upper		34.1	96.0

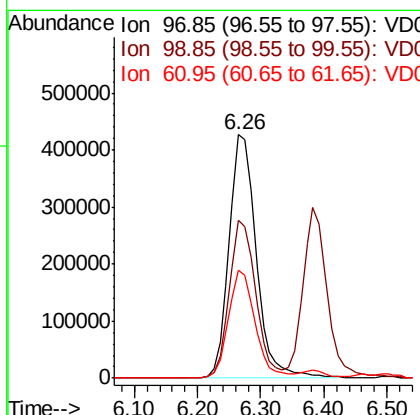
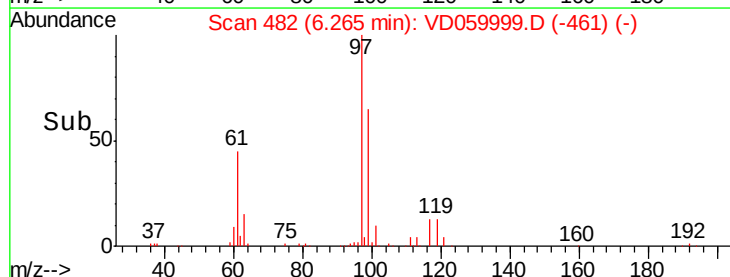
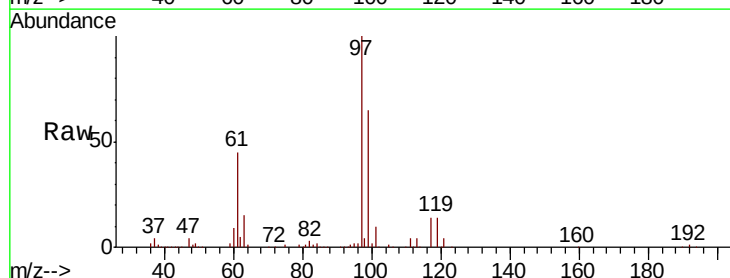
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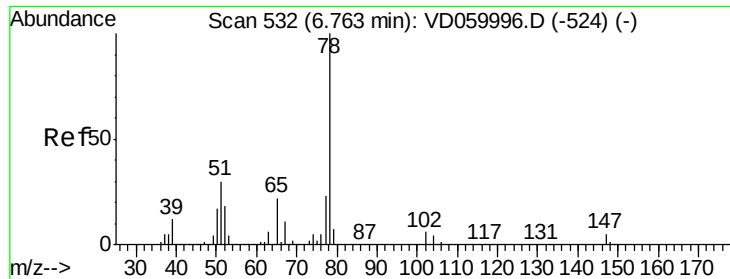
apatel
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#32
1,1,1-Trichloroethane
Concen: 51.38 ug/l
RT: 6.26 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion	97	99	61
Ion	97	99	61
Ratio	100	65.1	44.6
Lower		51.3	35.5
Upper		76.9	53.3





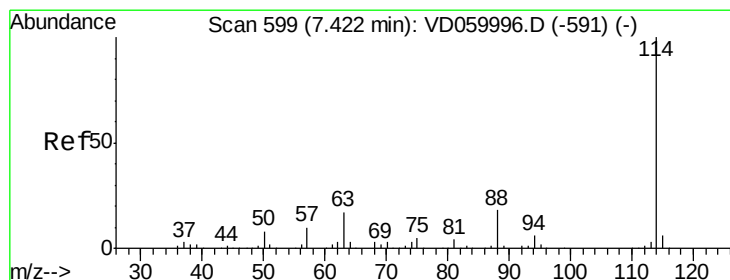
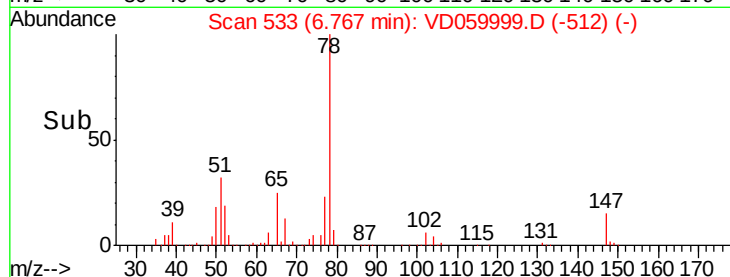
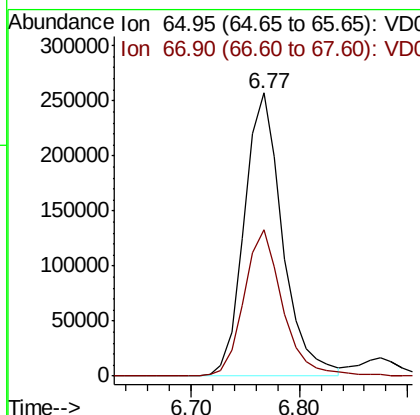
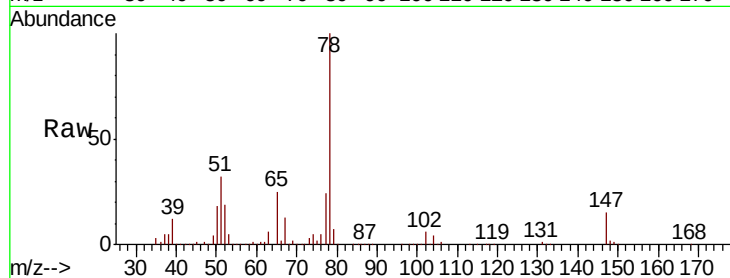
#33
 1,2-Dichloroethane-d4
 Concen: 51.38 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091318

Tot Ion	Ratio	Resp	Lower	Upper
65	100	631185		
67	51.9	0.0	104.8	

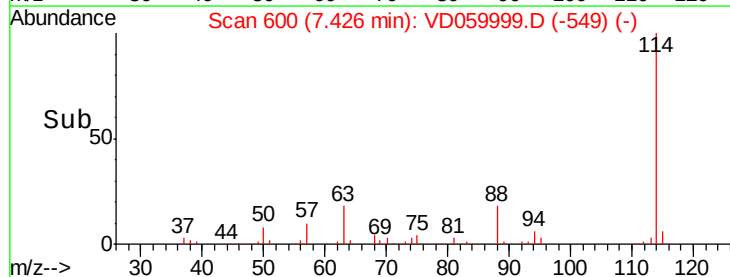
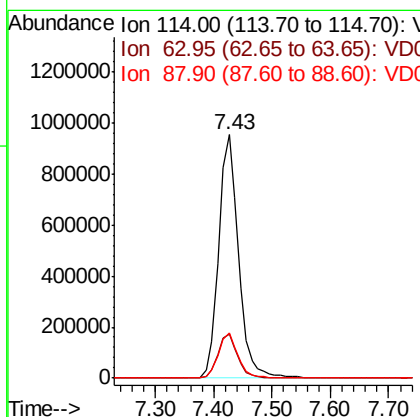
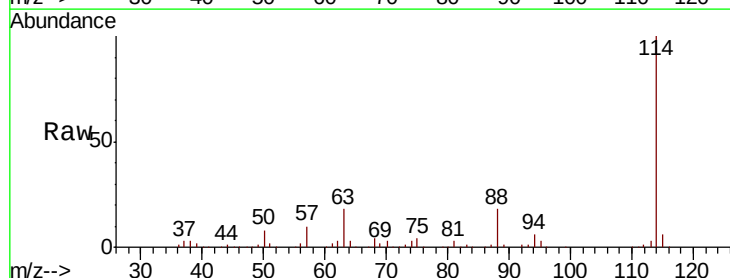
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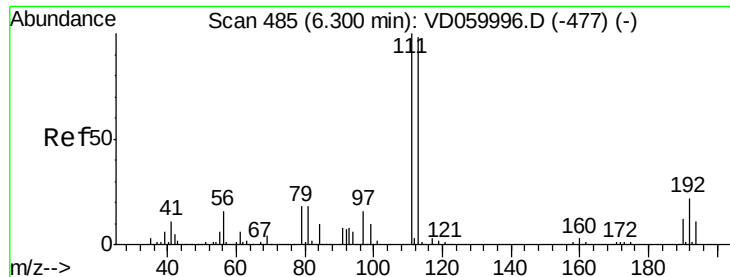
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2258438		
63	18.0	0.0	34.4	
88	18.4	0.0	35.8	





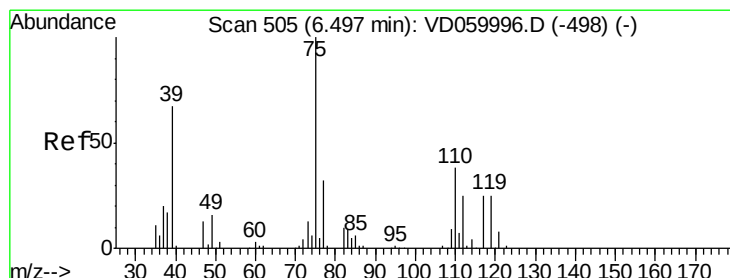
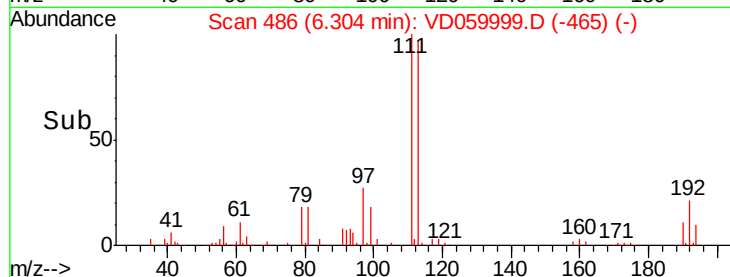
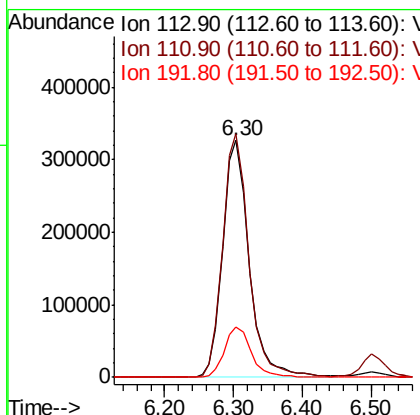
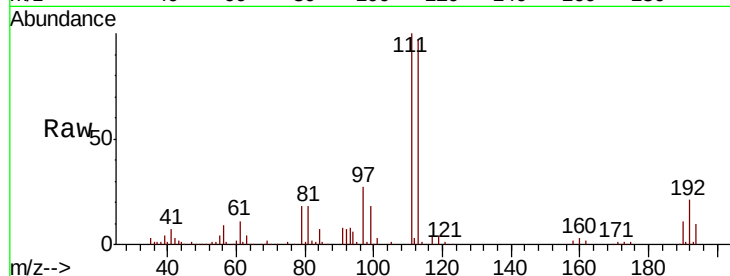
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091318

Tot Ion	Ratio	Resp	Lower	Upper
113	100	871198		
111	102.9	81.3	121.9	
192	21.4	18.1	27.1	

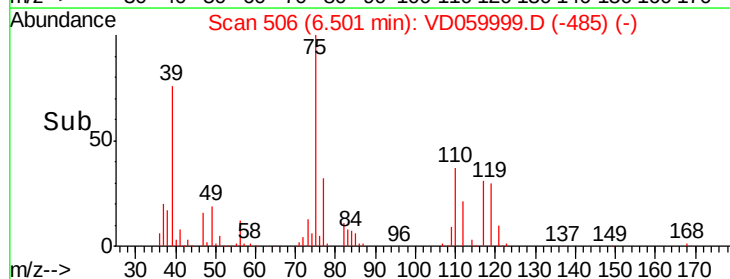
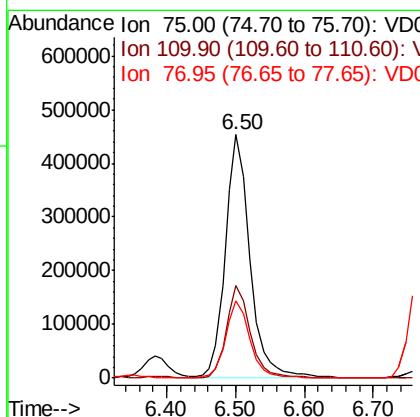
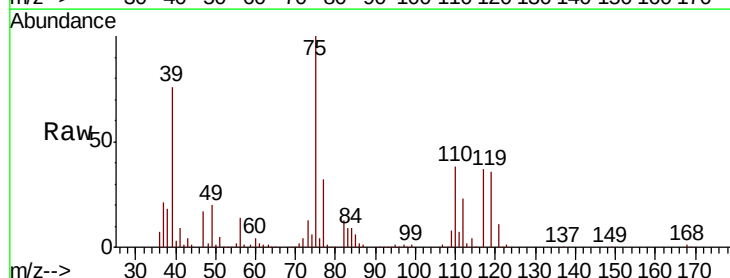
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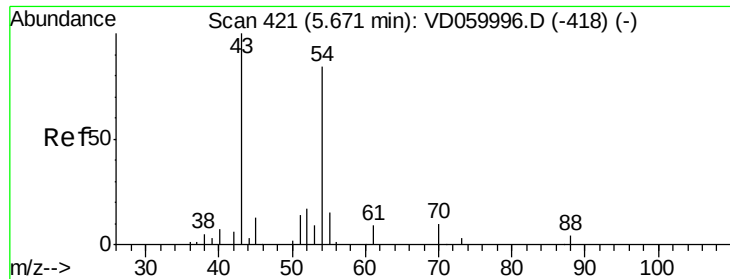
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#36
 1,1-Dichloropropene
 Concen: 49.26 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1105147		
110	38.2	18.9	56.9	
77	31.9	25.3	37.9	





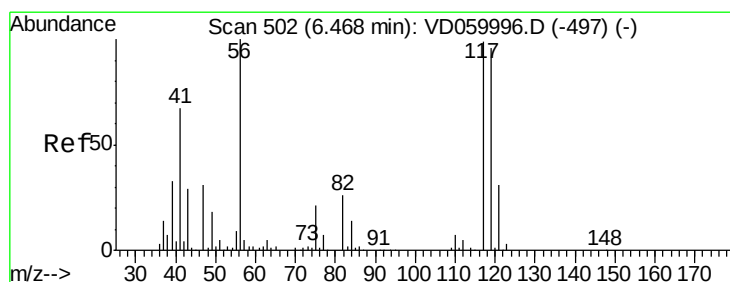
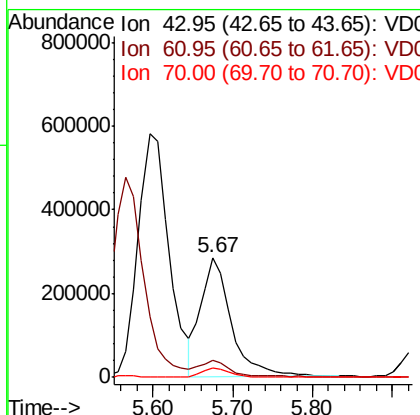
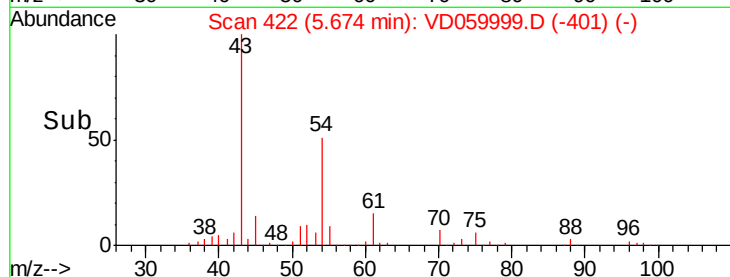
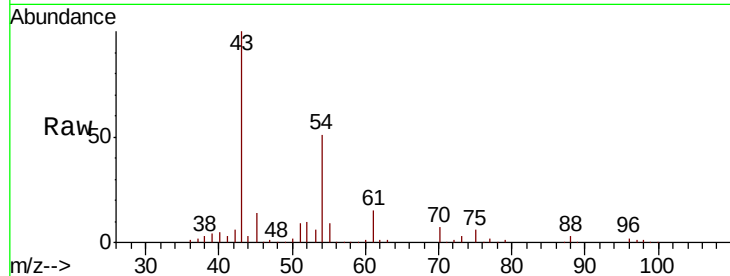
#37
Ethyl Acetate
Concen: 48.25 ug/l
RT: 5.67 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleID :
ICVVD091318

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.2	15.2
70	7.5	6.1	9.1

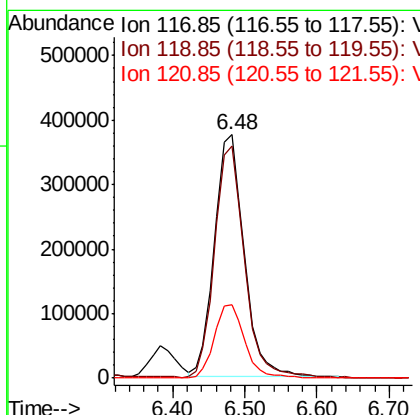
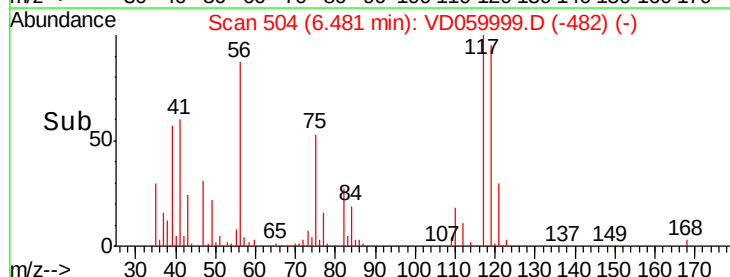
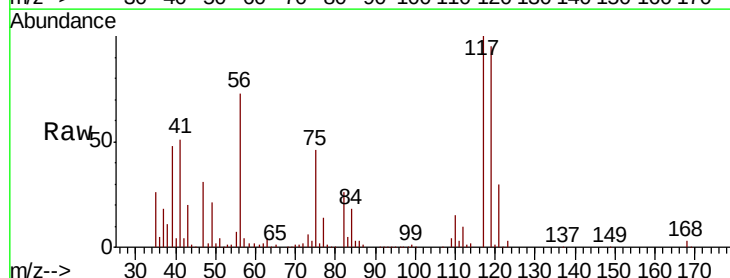
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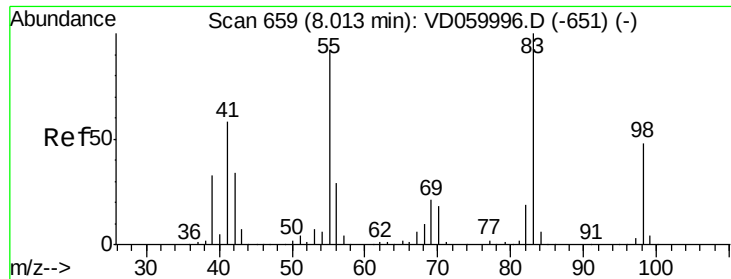
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#38
Carbon Tetrachloride
Concen: 51.18 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	30.3	24.9	37.3





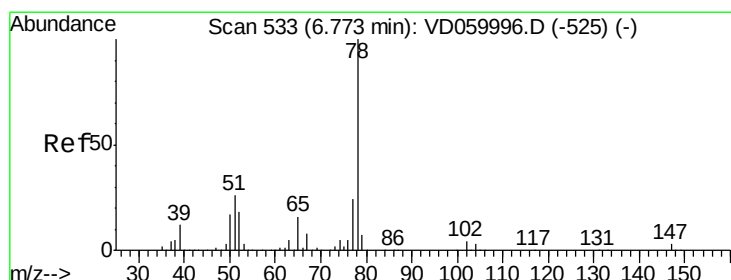
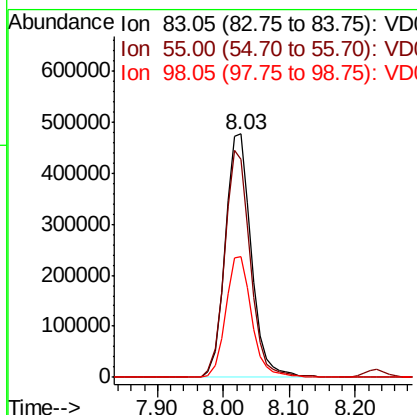
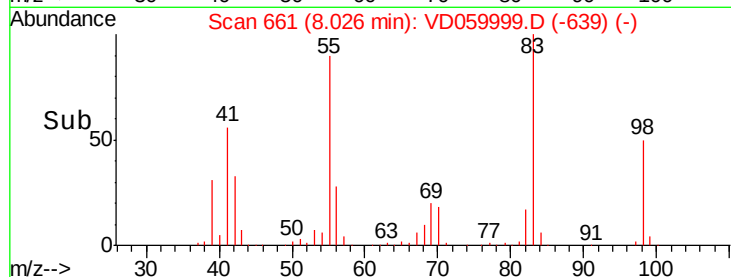
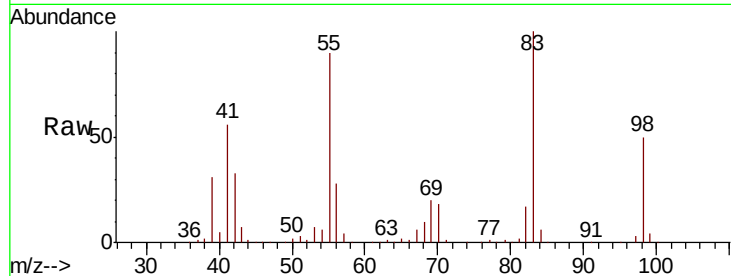
#39
Methylvlcyclohexane
Concen: 52.03 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion: 83 Resp: 1320493
Ion Ratio Lower Upper
83 100
55 89.7 73.8 110.6
98 49.6 38.1 57.1

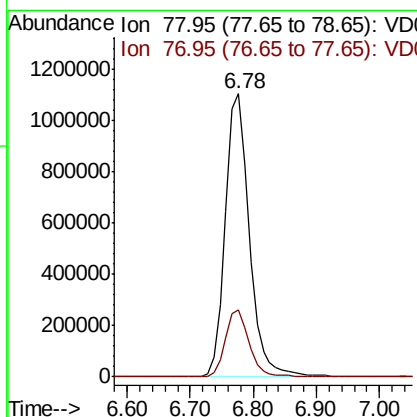
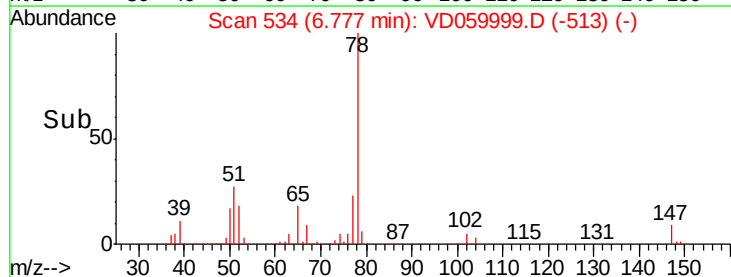
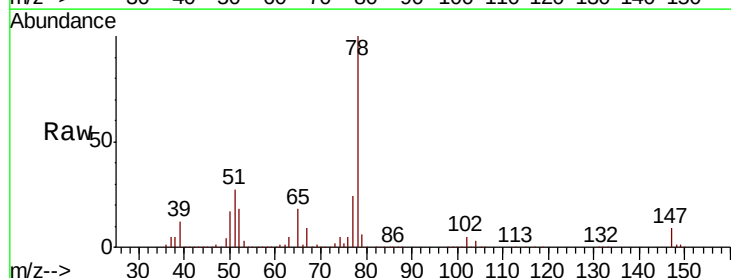
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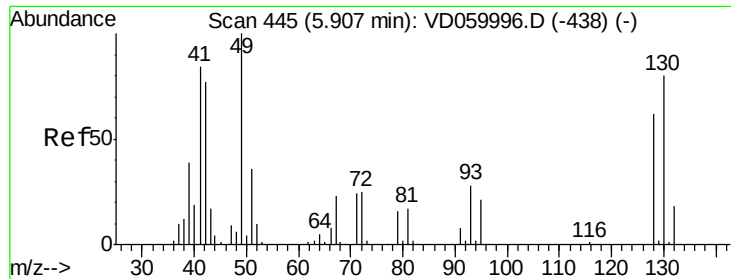
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#40
Benzene
Concen: 51.18 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion: 78 Resp: 2926206
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4





#41

Methacrylonitrile

Concen: 50.88 ug/l m

RT: 5.90 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091318

Tot Ion: 41 Resp: 411141
Ion Ratio Lower Upper

41 100

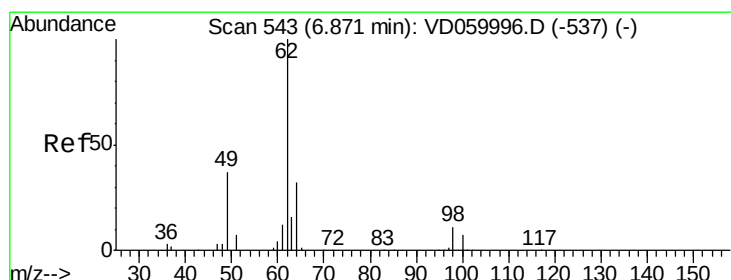
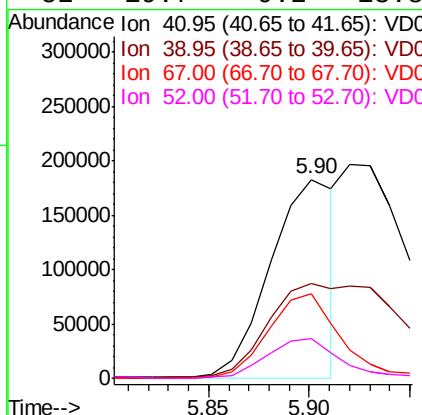
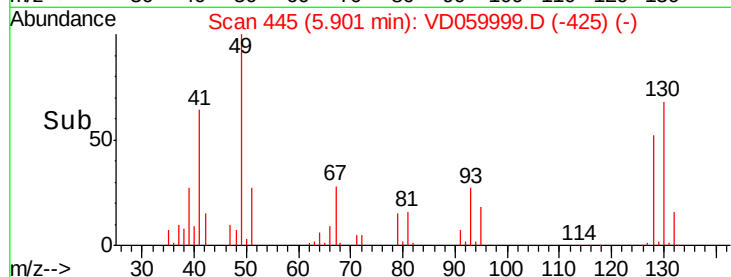
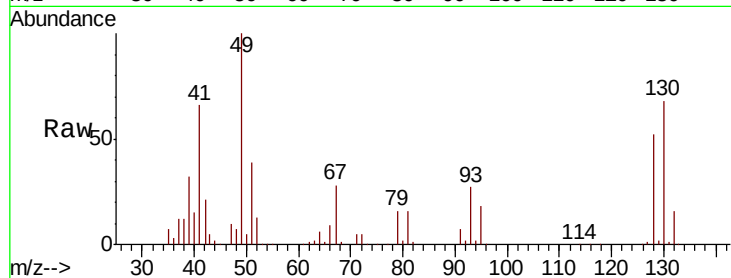
39 47.9 37.5 56.3

67 42.3 21.5 32.3#

52 19.7 9.2 13.8#

Manual Integrations
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apatel
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#42

1,2-Dichloroethane

Concen: 50.73 ug/l

RT: 6.87 min Scan# 544

Delta R.T. 0.00 min

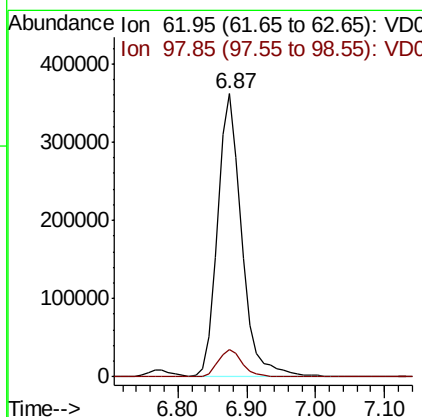
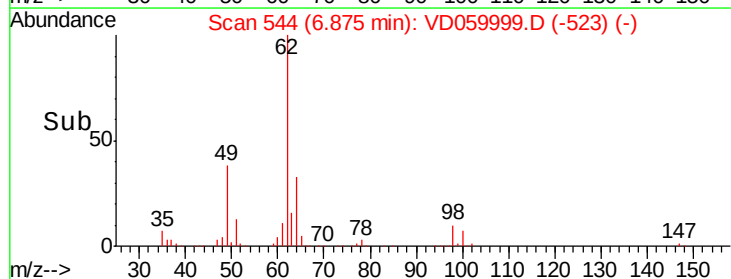
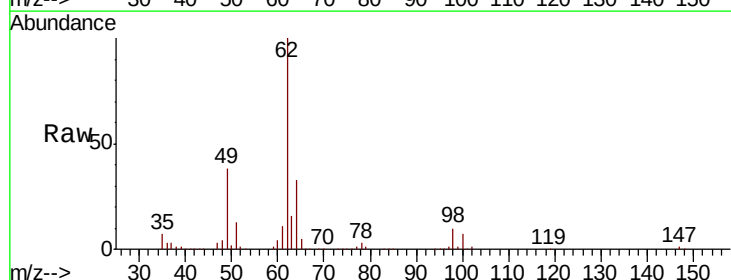
Lab File: VD059999.D

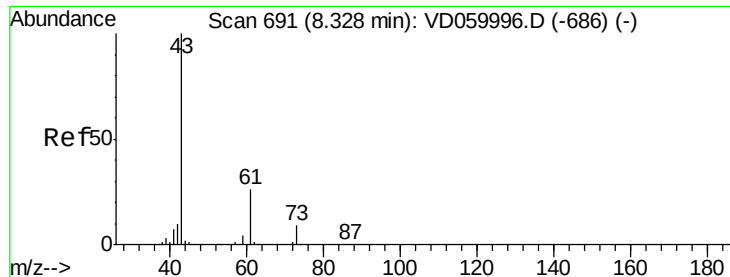
Acq: 13 Sep 2018 16:15

Tgt Ion: 62 Resp: 870966
Ion Ratio Lower Upper

62 100

98 9.8 0.0 21.4





#43

Isopropyl Acetate

Concen: 50.59 ug/l

RT: 8.33 min Scan# 692

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091318

Tot Ion: 43 Resp: 1044941

Ion Ratio Lower Upper

43 100

61 26.3 21.0 31.6

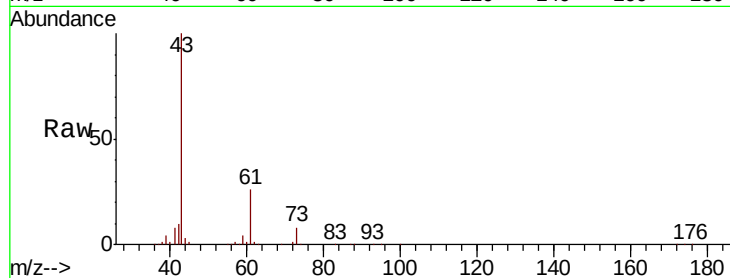
87 0.3 0.2 0.2#

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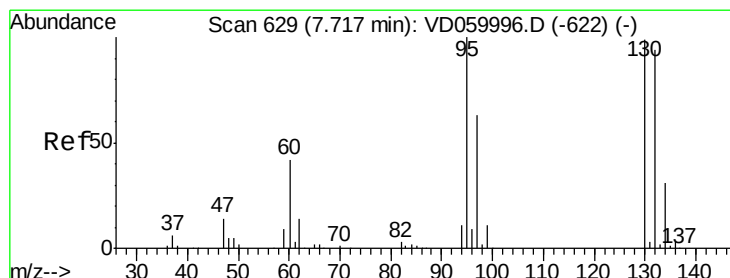
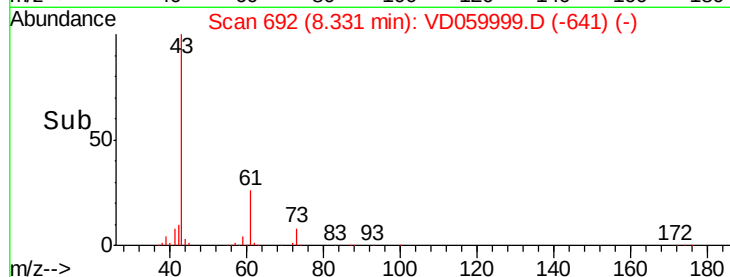
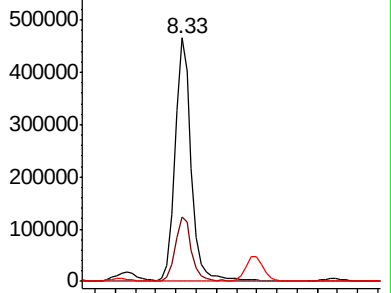
9/14/2018 10:58:04 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.01 ug/l

RT: 7.72 min Scan# 630

Delta R.T. 0.00 min

Lab File: VD059999.D

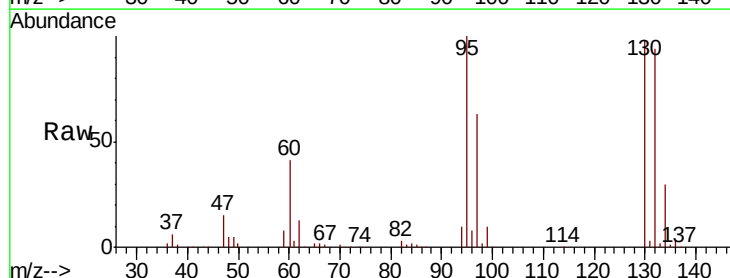
Acq: 13 Sep 2018 16:15

Tgt Ion:130 Resp: 901074

Ion Ratio Lower Upper

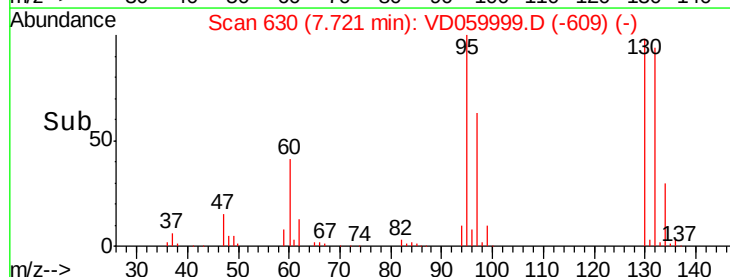
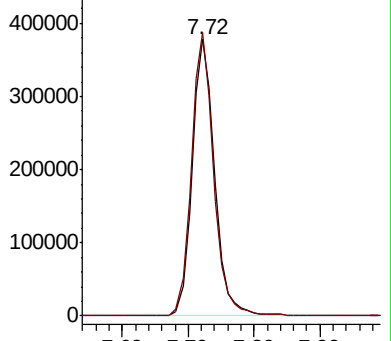
130 100

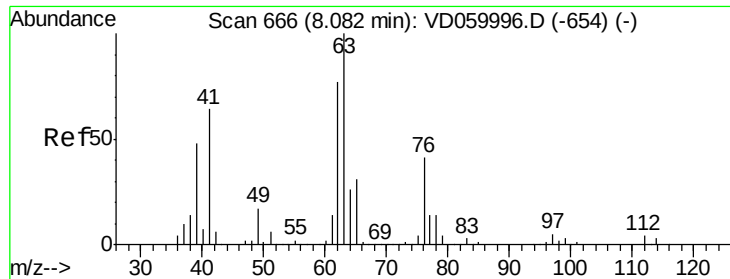
95 102.2 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





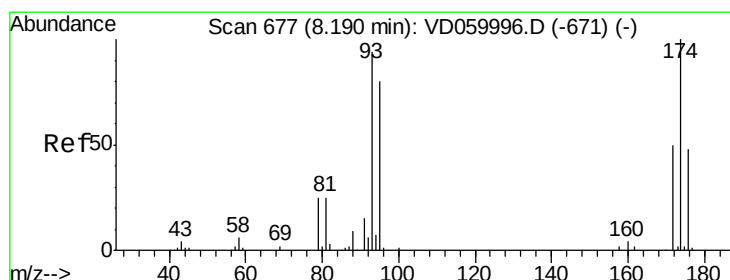
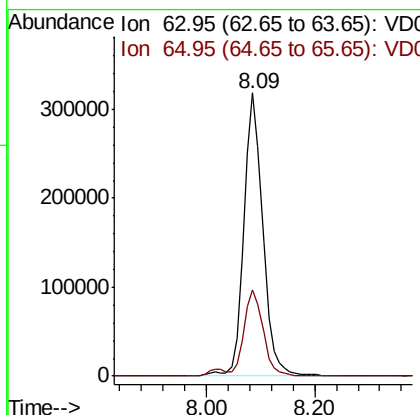
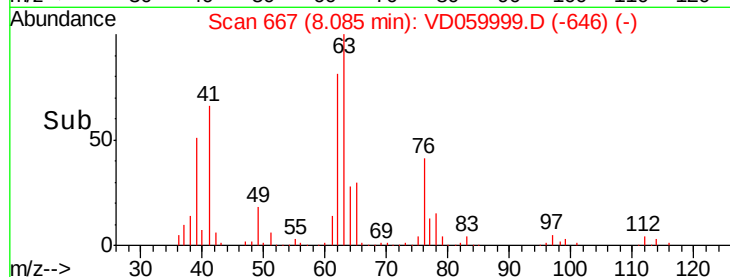
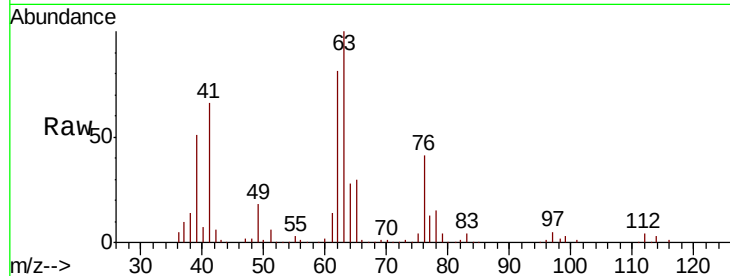
#45
1,2-Dichloropropane
Concen: 50.87 ug/l
RT: 8.09 min Scan# 667
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion: 63 Resp: 777721
Ion Ratio Lower Upper
63 100
65 30.3 24.6 37.0

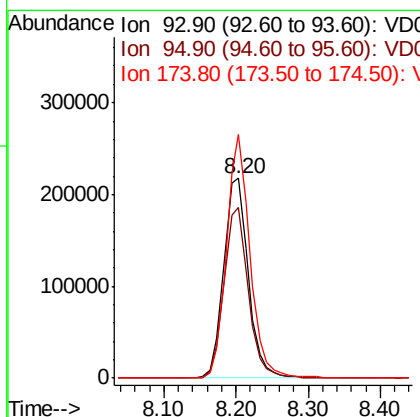
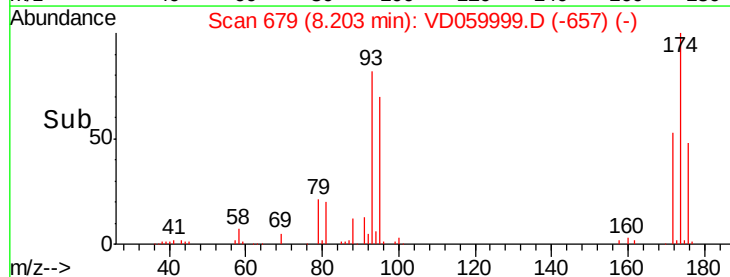
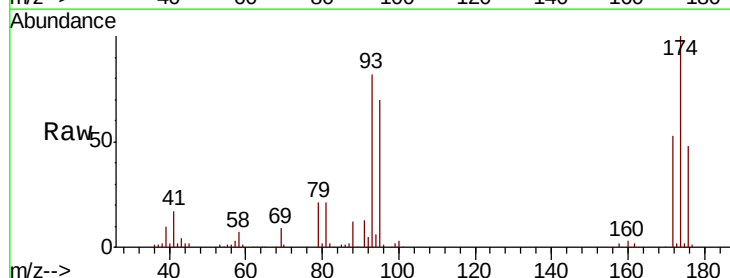
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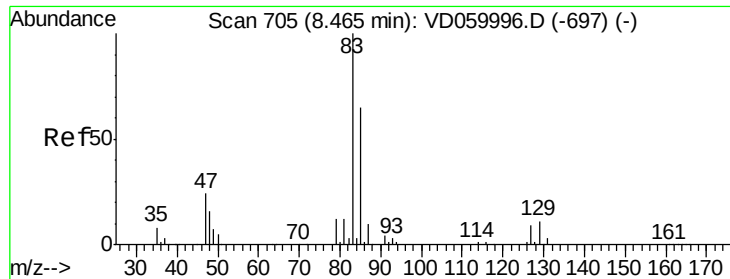
apatel
9/14/2018 10:58:04 AM



#46
Dibromomethane
Concen: 51.52 ug/l
RT: 8.20 min Scan# 679
Delta R.T. 0.01 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion: 93 Resp: 513980
Ion Ratio Lower Upper
93 100
95 85.2 68.0 102.0
174 121.8 85.4 128.2





#47

Bromodichloromethane

Concen: 50.89 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091318

Tot Ion: 83 Resp: 1094518

Ion Ratio Lower Upper

83 100

85 65.2 51.9 77.9

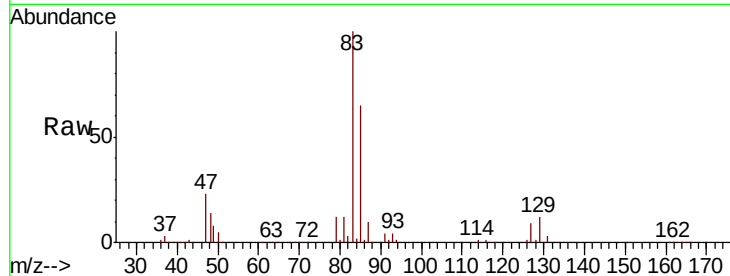
127 8.9 6.8 10.2

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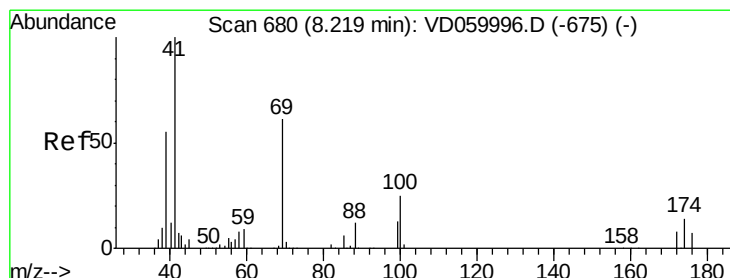
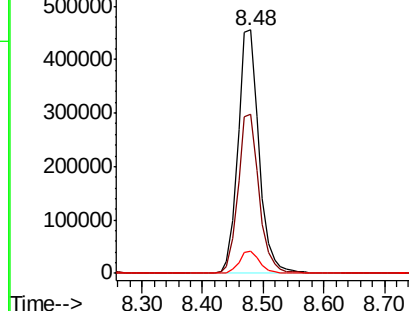
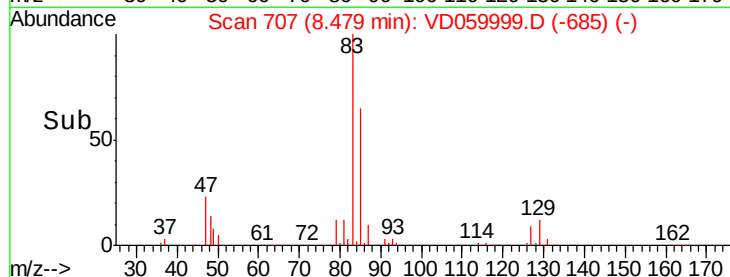
9/14/2018 10:58:04 AM



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: 51.88 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

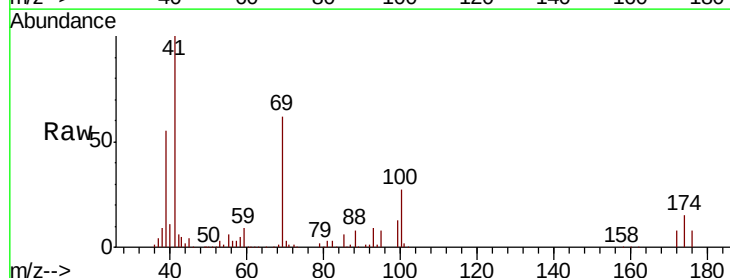
Tgt Ion: 41 Resp: 596856

Ion Ratio Lower Upper

41 100

69 61.6 48.3 72.5

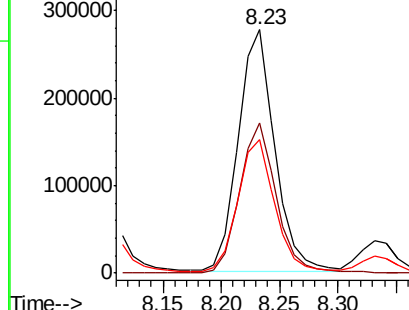
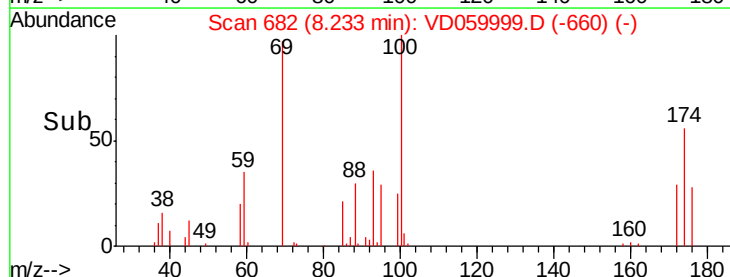
39 54.6 44.1 66.1

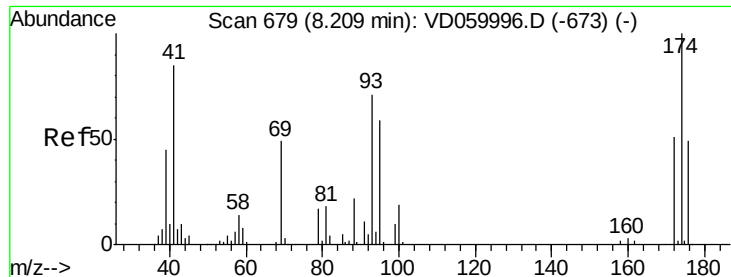


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





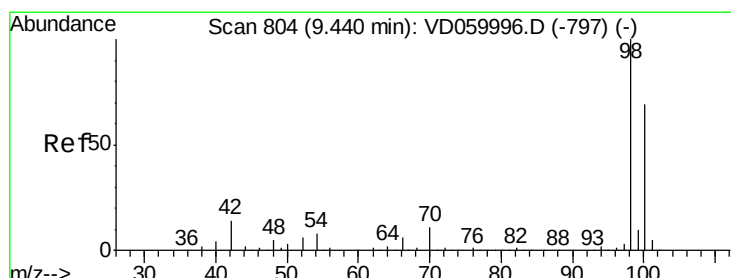
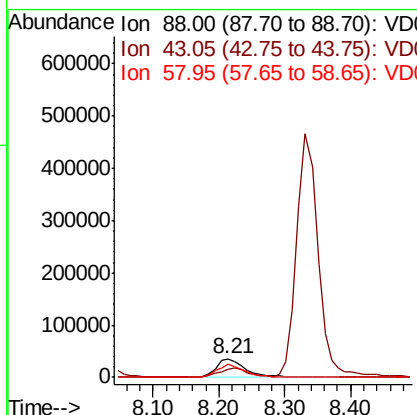
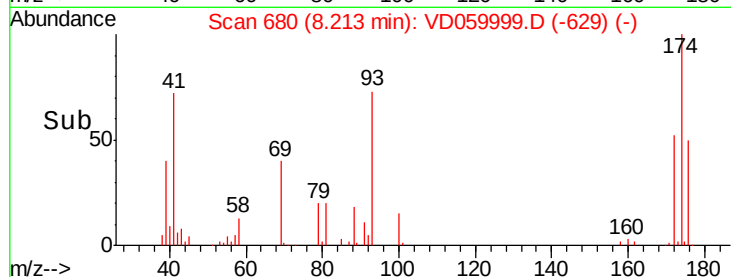
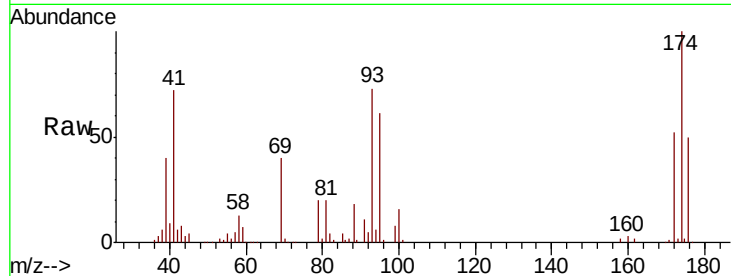
#49
1,4-Dioxane
Concen: 972.43 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.3	36.2	54.2
58	70.2	51.0	76.6

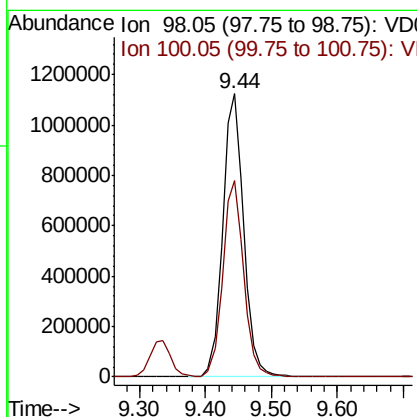
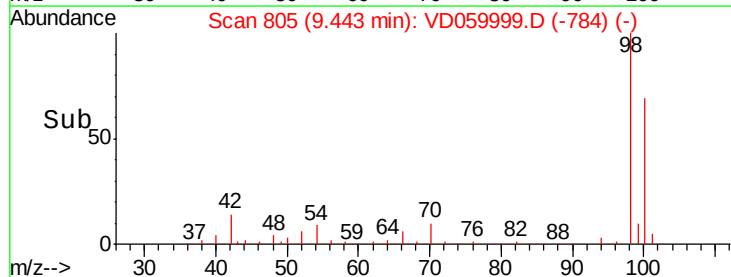
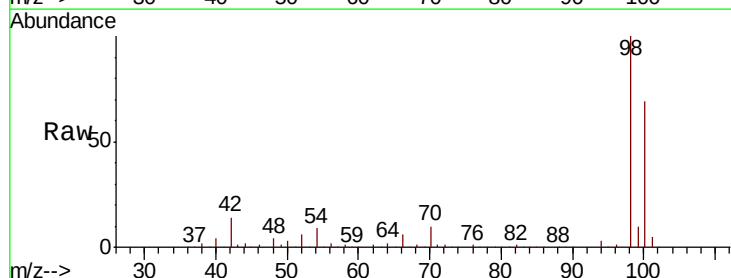
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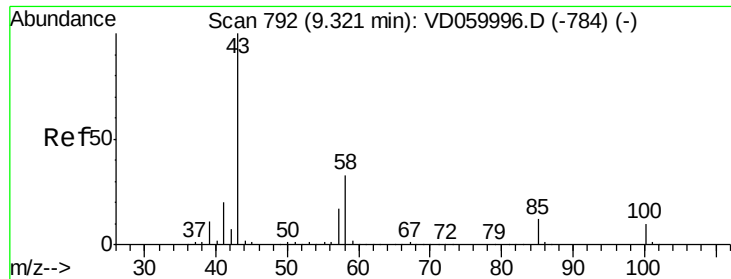
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#50
Toluene-d8
Concen: 972.43 ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.4	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 232.84 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091318

Tot Ion: 43 Resp: 3195558

Ion Ratio Lower Upper

43 100

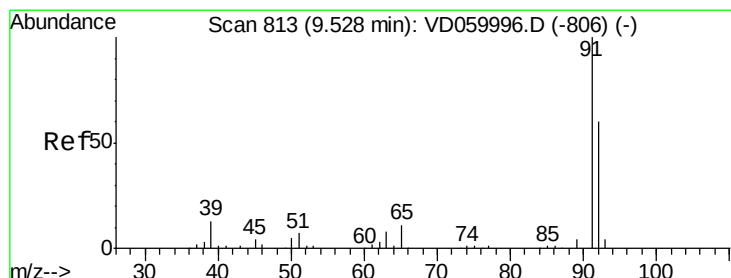
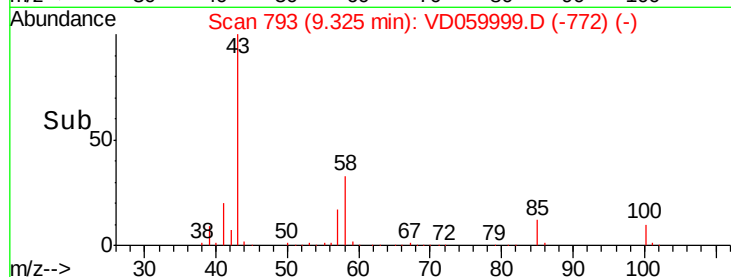
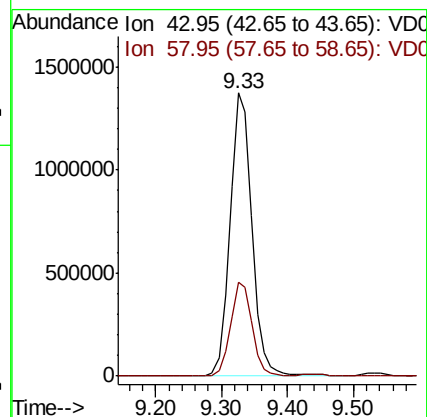
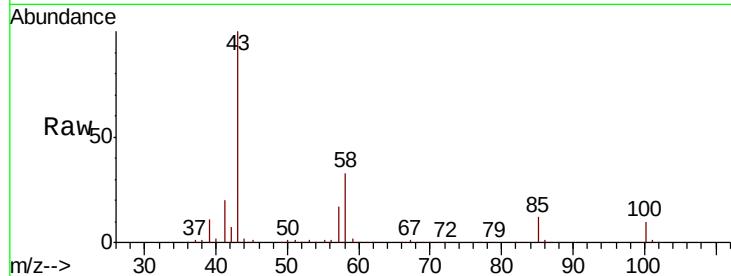
58 33.1 26.4 39.6

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#52

Toluene

Concen: 51.51 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD059999.D

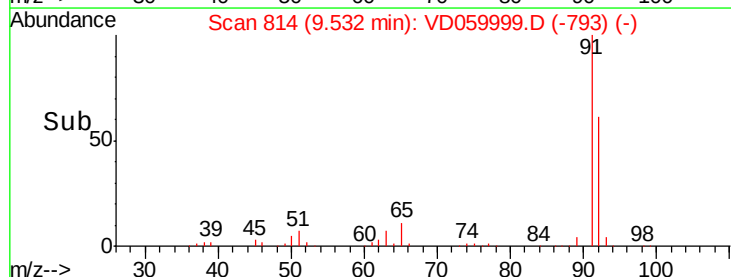
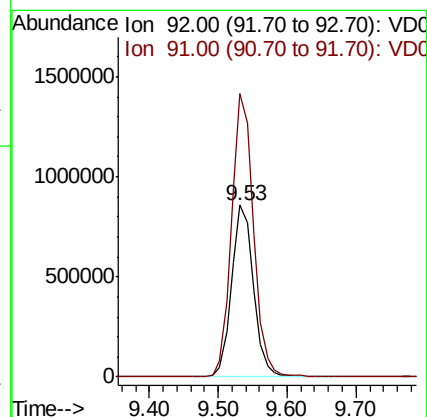
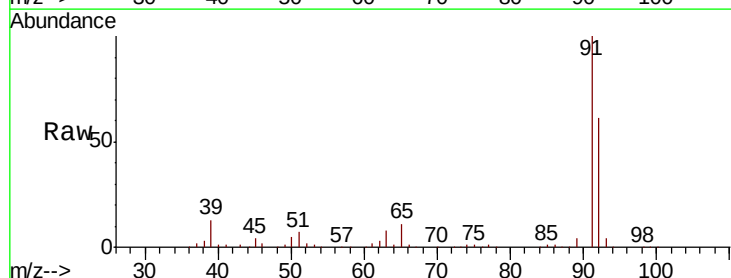
Acq: 13 Sep 2018 16:15

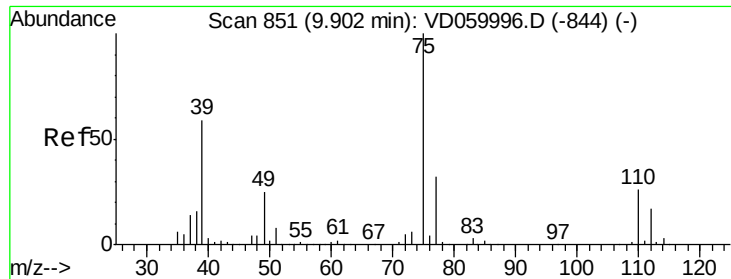
Tgt Ion: 92 Resp: 1887889

Ion Ratio Lower Upper

92 100

91 164.9 132.3 198.5





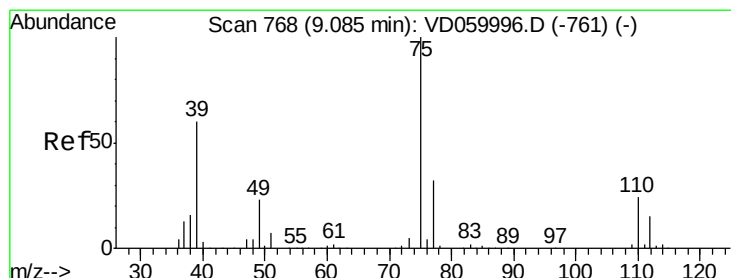
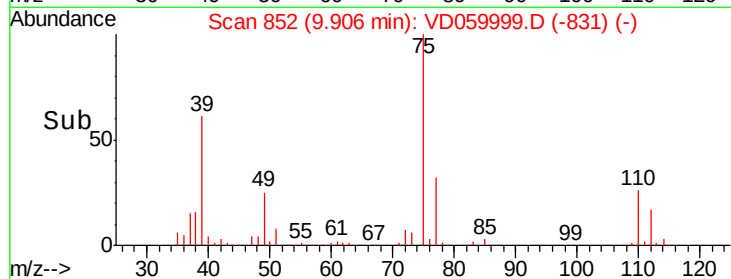
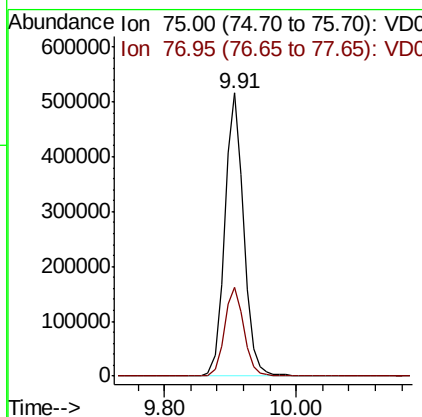
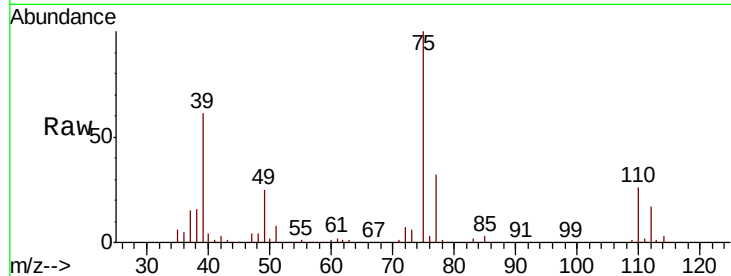
#53
t-1,3-Dichloropropene
Concen: 51.42 ug/l
RT: 9.91 min Scan# 852
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion: 75 Resp: 1031406
Ion Ratio Lower Upper
75 100
77 31.6 25.6 38.4

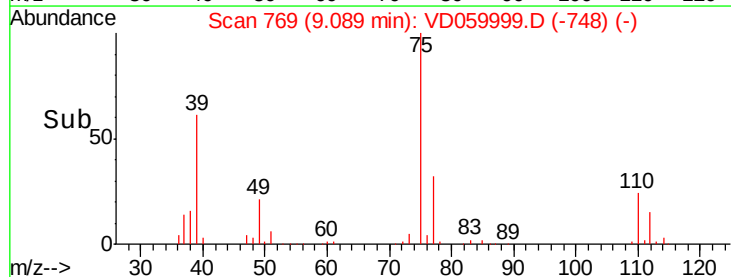
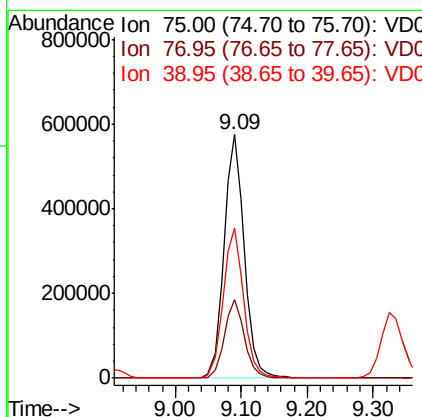
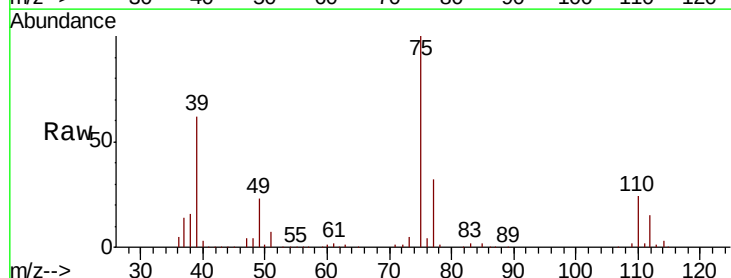
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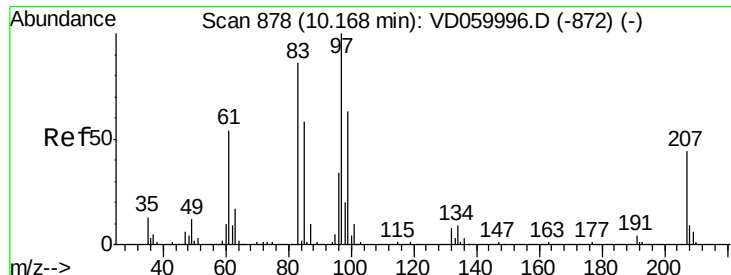
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#54
cis-1,3-Dichloropropene
Concen: 51.58 ug/l
RT: 9.09 min Scan# 769
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion: 75 Resp: 1236345
Ion Ratio Lower Upper
75 100
77 32.2 25.5 38.3
39 61.7 48.0 72.0





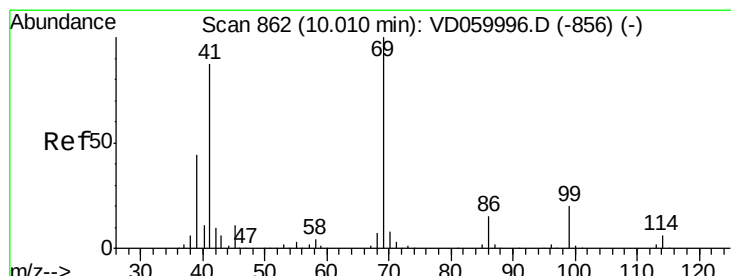
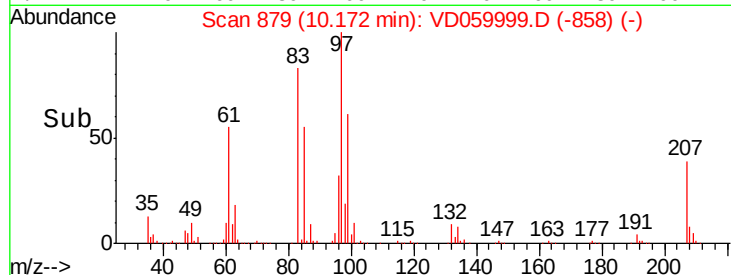
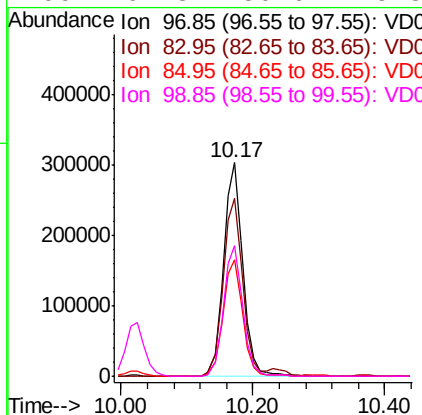
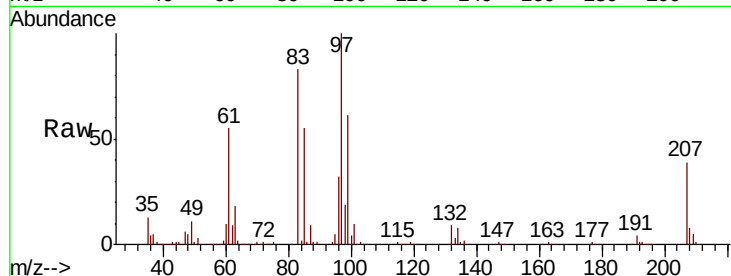
#55
 1,1,2-Trichloroethane
 Concen: 48.53 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091318

Tot Ion:	97	Resp:	617522
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.1	103.7
85	54.6	46.2	69.4
99	61.3	50.6	75.8

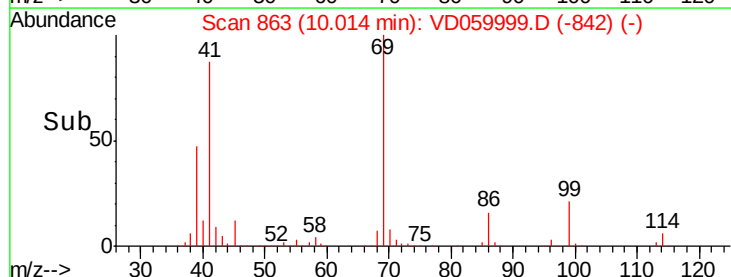
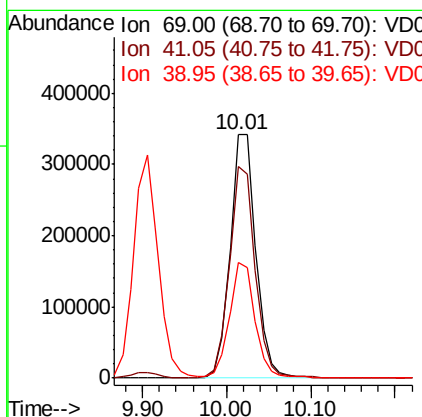
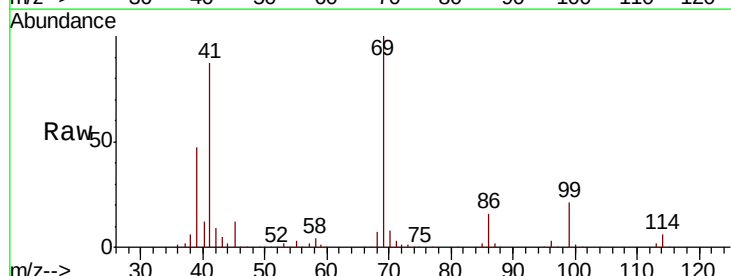
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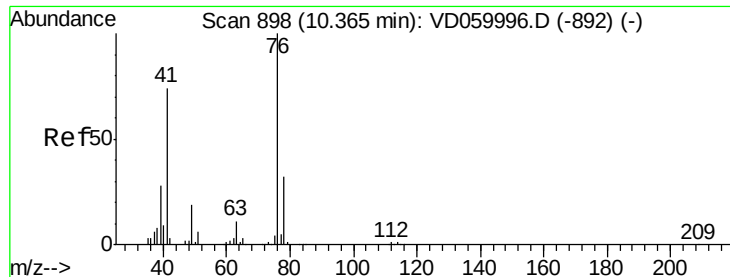
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#56
 Ethyl methacrylate
 Concen: 51.33 ug/l
 RT: 10.01 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion:	69	Resp:	724543
Ion	Ratio	Lower	Upper
69	100		
41	86.9	70.1	105.1
39	47.4	36.5	54.7





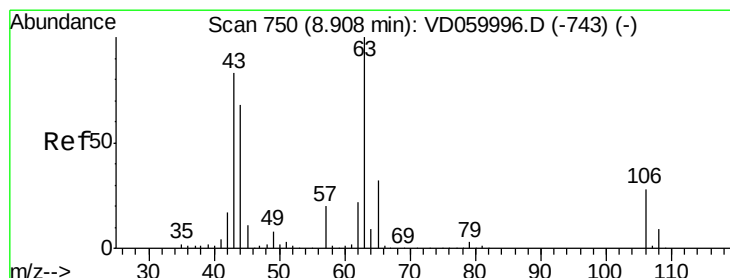
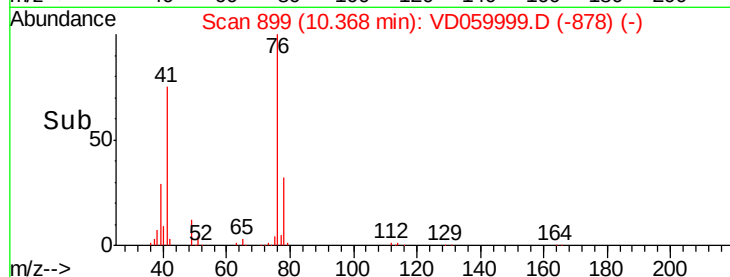
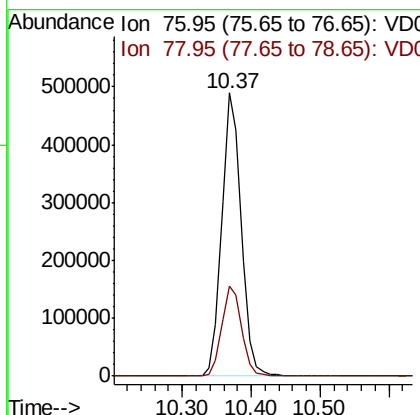
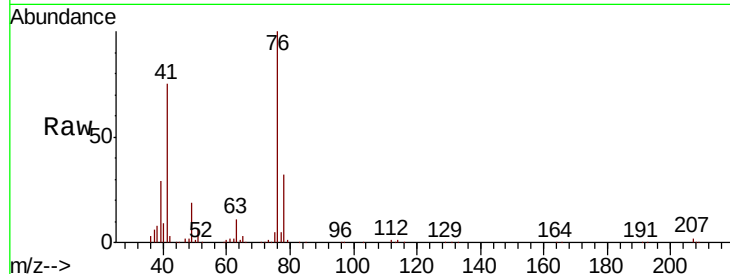
#57
 1,3-Dichloropropane
 Concen: 50.86 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091318

Tot Ion: 76 Resp: 955285
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.3 37.9

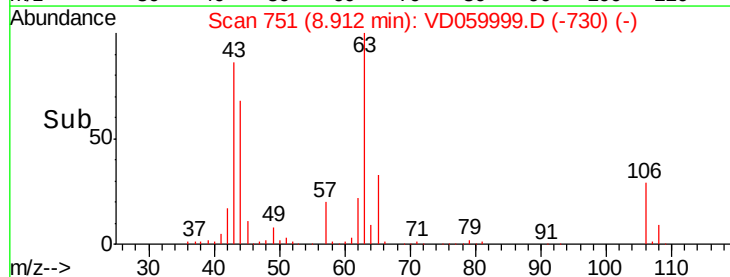
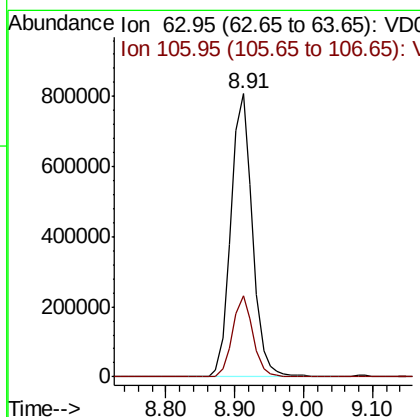
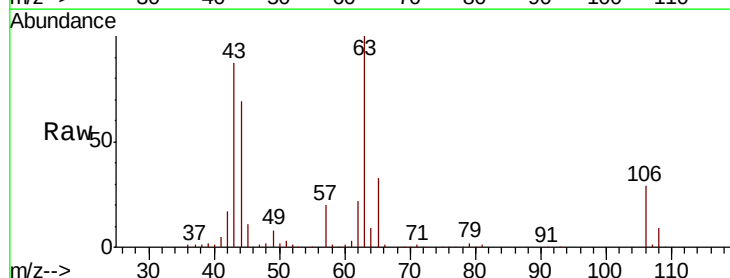
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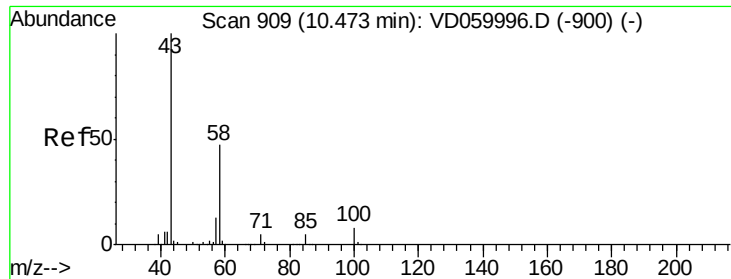
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 256.16 ug/l
 RT: 8.91 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion: 63 Resp: 1745969
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.0 33.0





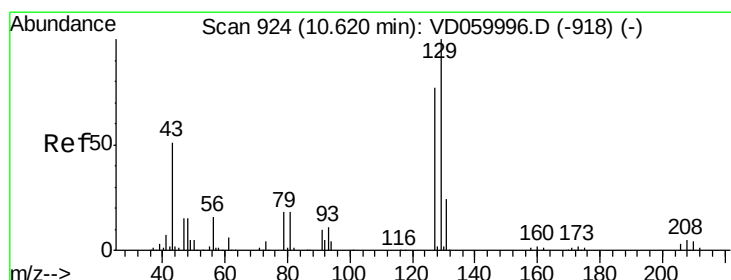
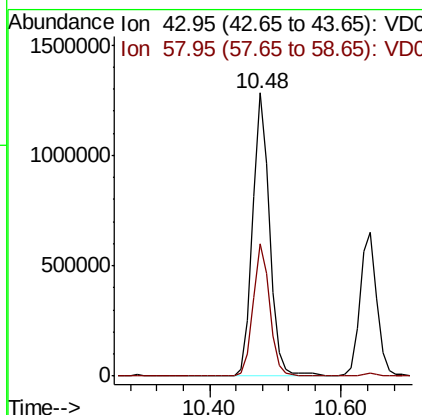
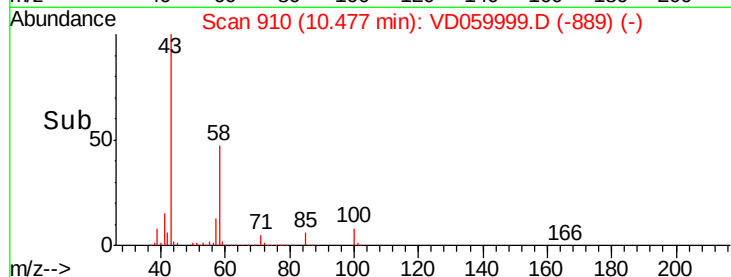
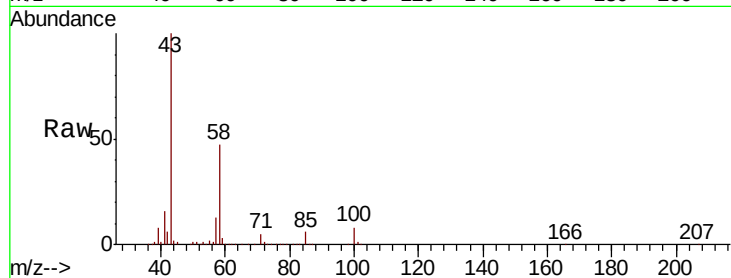
#59
2-Hexanone
Concen: 237.87 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampled :
ICVVD091318

Tot Ion: 43 Resp: 2327271
Ion Ratio Lower Upper
43 100
58 47.0 23.4 70.0

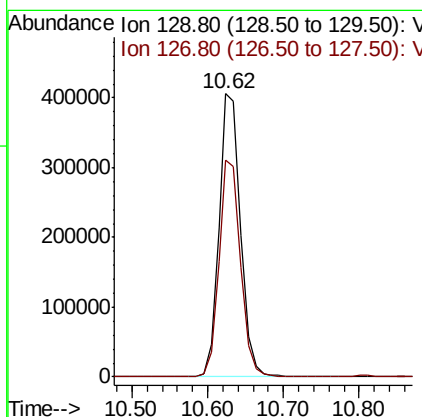
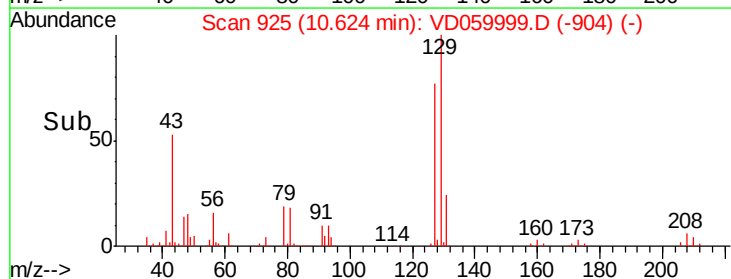
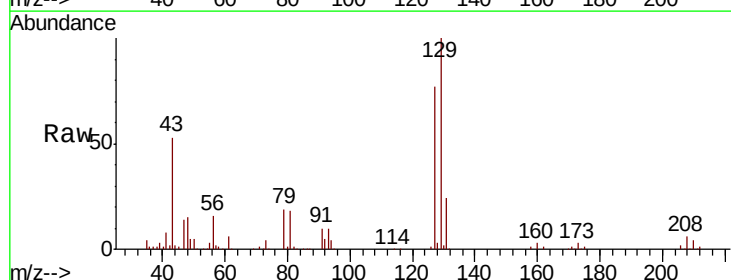
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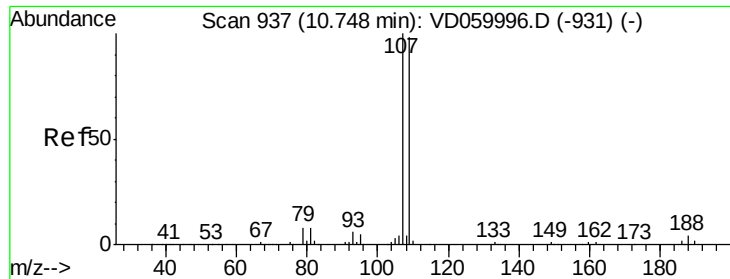
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#60
Dibromochloromethane
Concen: 51.75 ug/l
RT: 10.62 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion:129 Resp: 801550
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





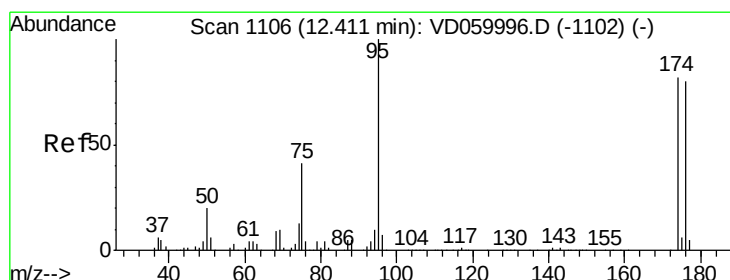
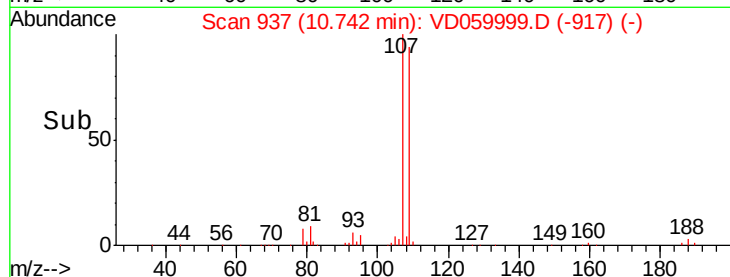
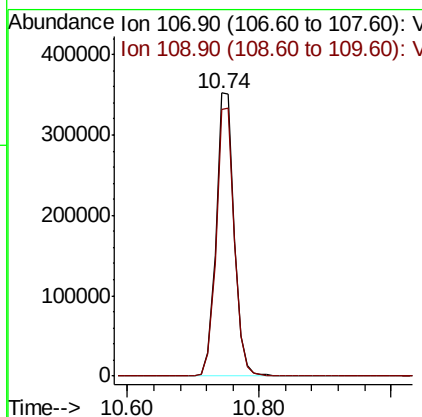
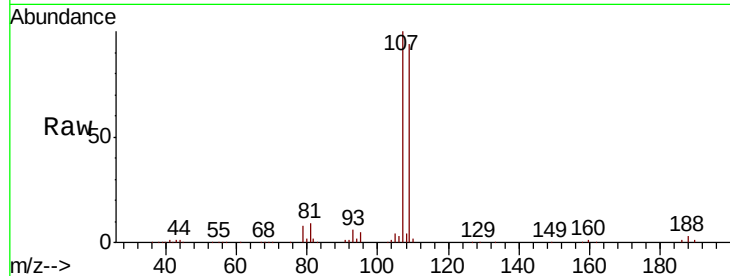
#61
 1,2-Dibromoethane
 Concen: 50.77 ug/l
 RT: 10.74 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091318

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	78.2	117.2

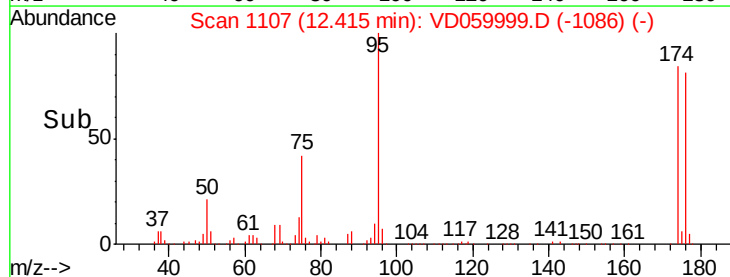
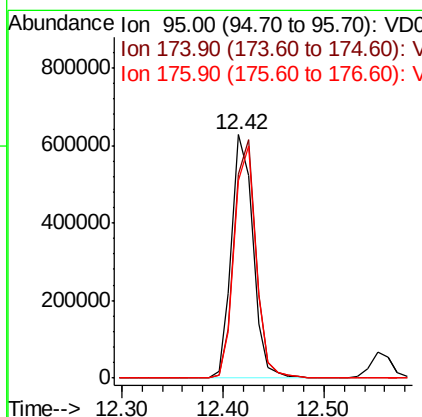
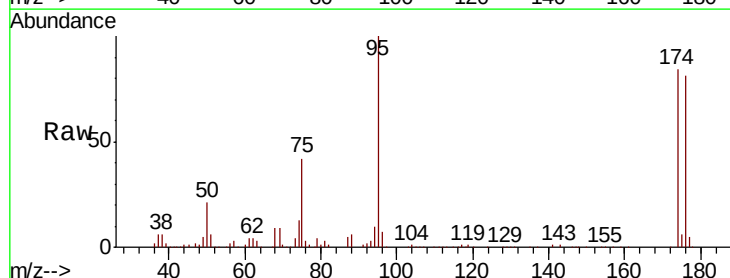
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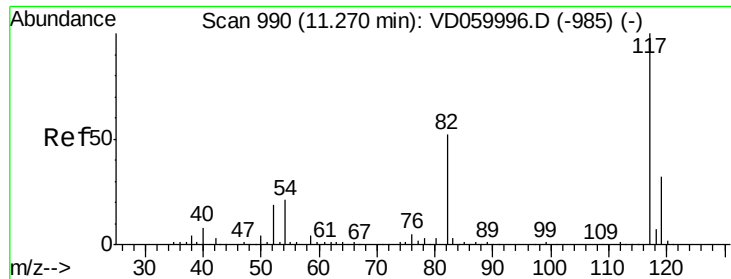
apatel
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#62
 4-Bromofluorobenzene
 Concen: 50.77 ug/l
 RT: 12.42 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.0	0.0	165.0
176	81.0	0.0	160.2





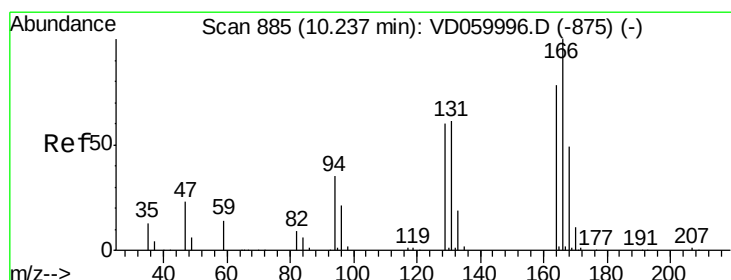
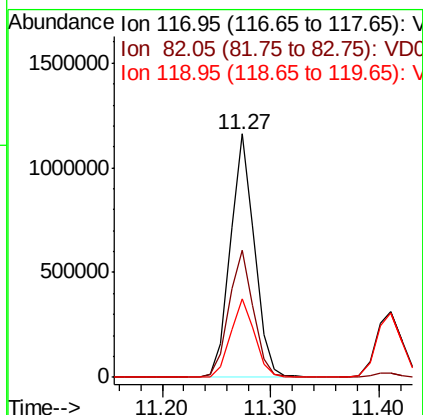
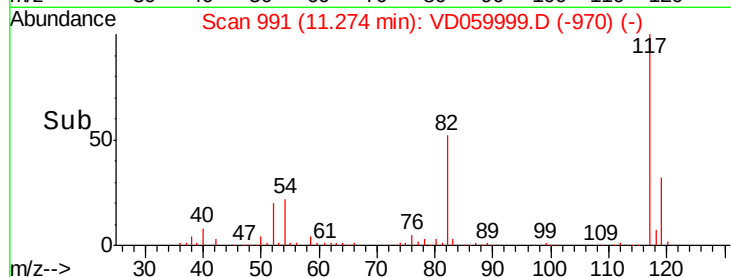
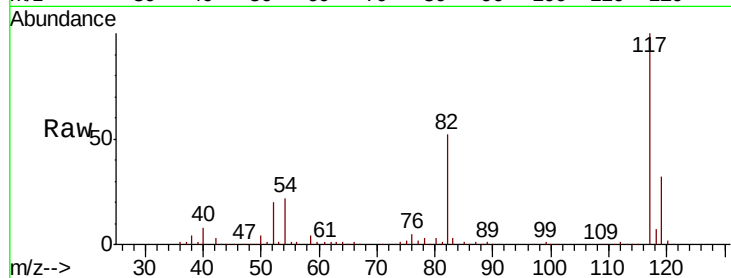
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion:117 Resp: 1800231
Ion Ratio Lower Upper
117 100
82 52.4 41.7 62.5
119 32.3 26.0 39.0

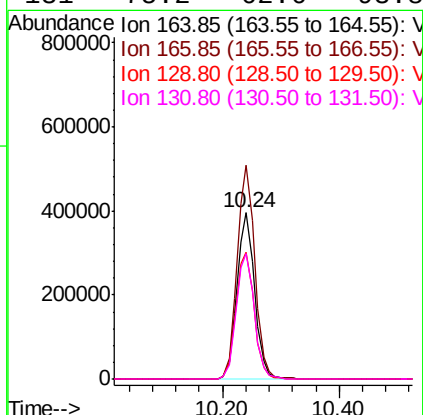
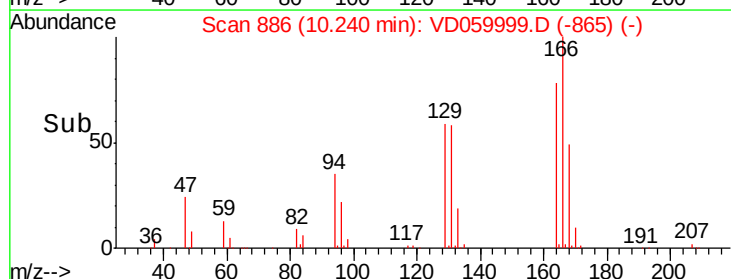
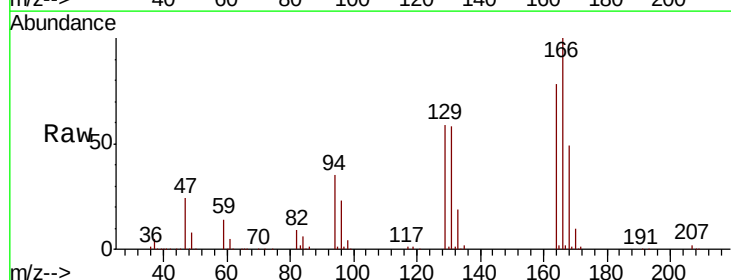
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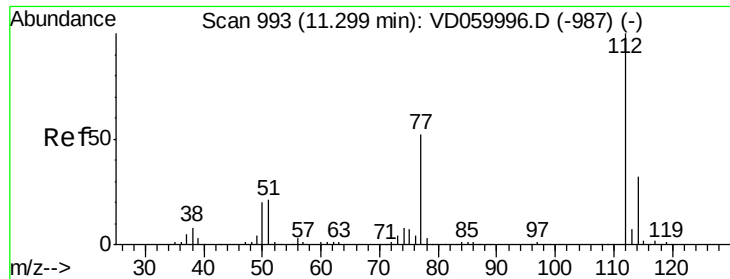
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#64
Tetrachloroethene
Concen: 52.18 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion:164 Resp: 828757
Ion Ratio Lower Upper
164 100
166 128.5 103.0 154.6
129 76.5 61.9 92.9
131 75.2 62.6 93.8





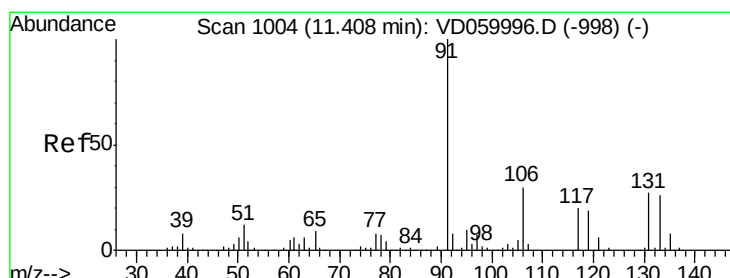
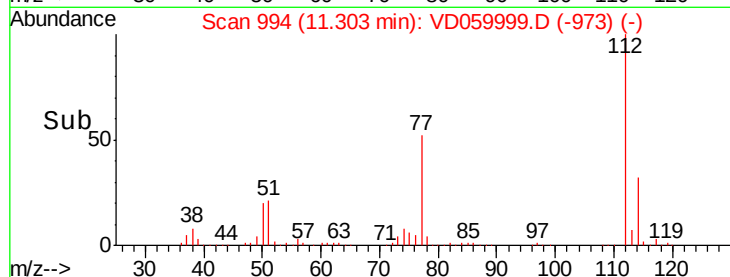
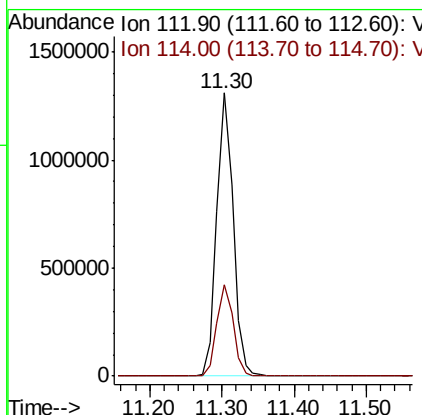
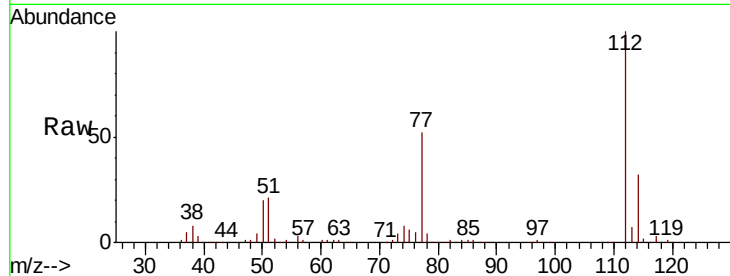
#65
Chlorobenzene
Concen: 52.98 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion:112 Resp: 2050432
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9

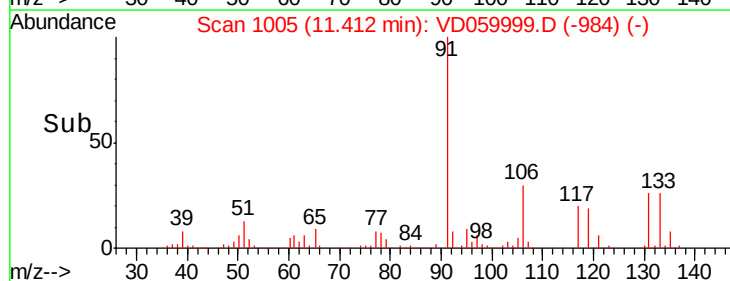
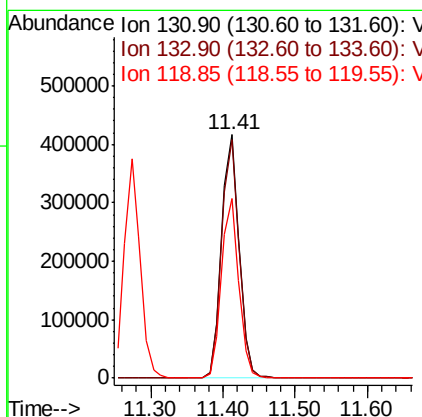
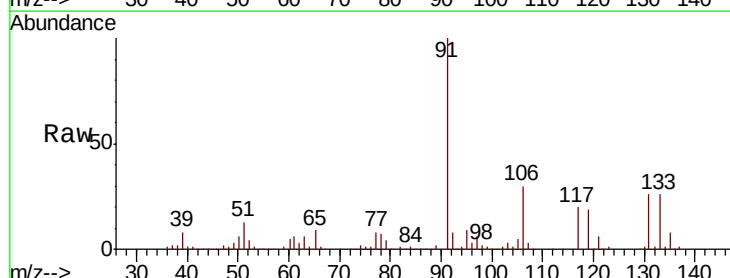
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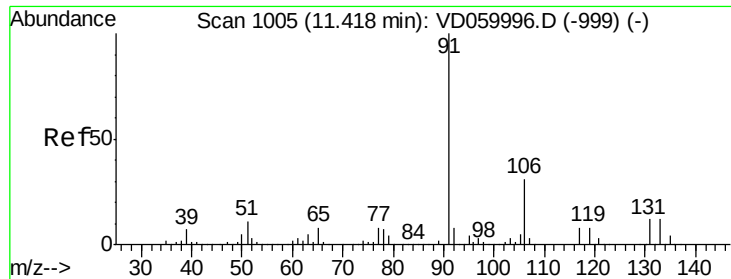
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.73 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion:131 Resp: 701352
Ion Ratio Lower Upper
131 100
133 98.0 47.4 142.3
119 73.9 35.6 106.9





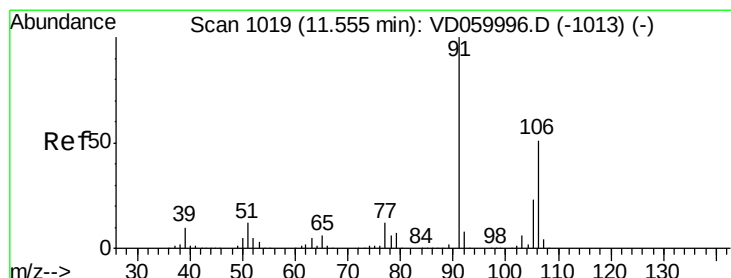
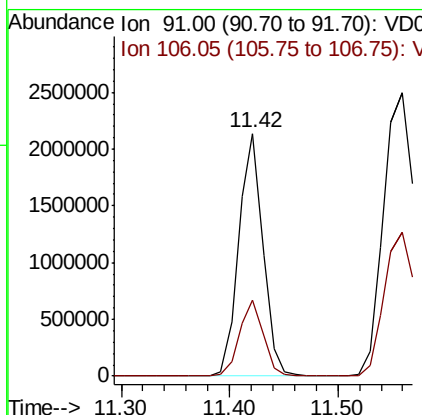
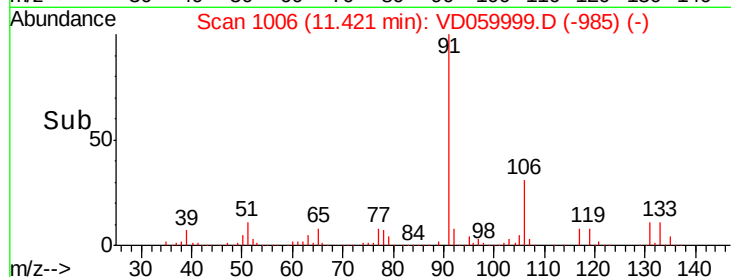
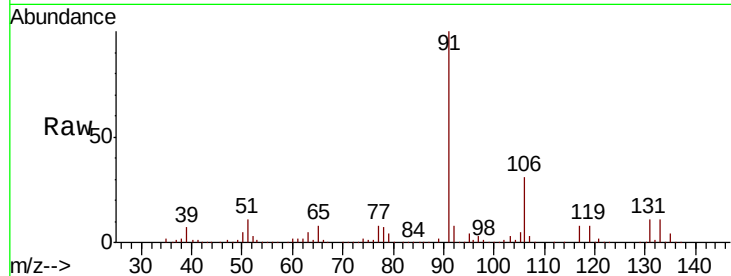
#67
Ethyl Benzene
Concen: 53.41 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion: 91 Resp: 3326868
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

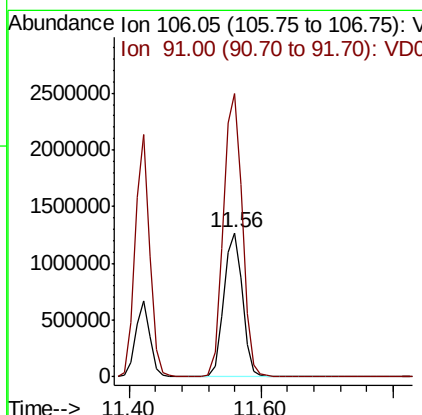
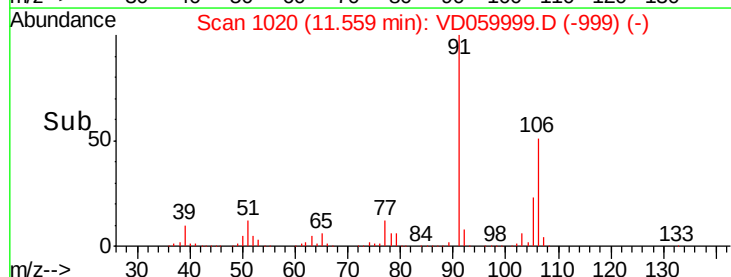
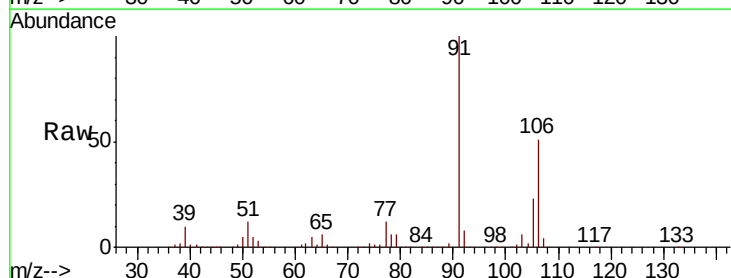
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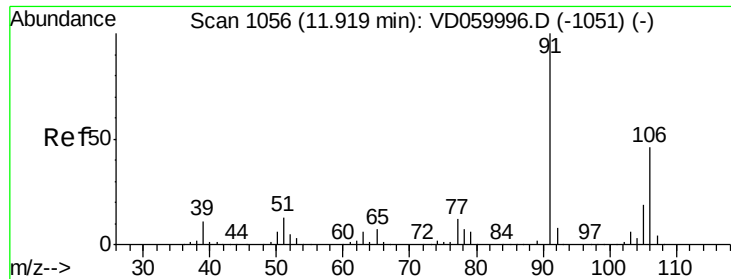
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#68
m/p-Xylenes
Concen: 109.03 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion:106 Resp: 2508170
Ion Ratio Lower Upper
106 100
91 196.4 157.0 235.6





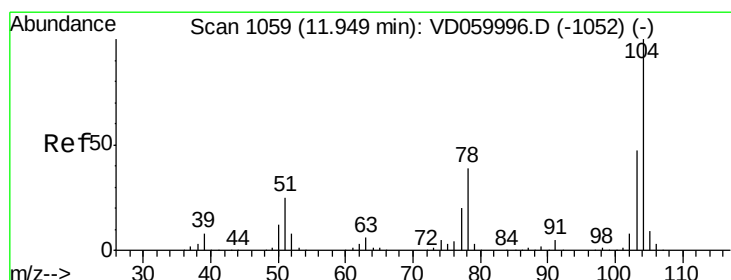
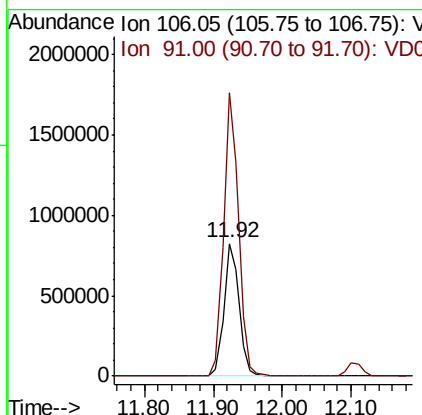
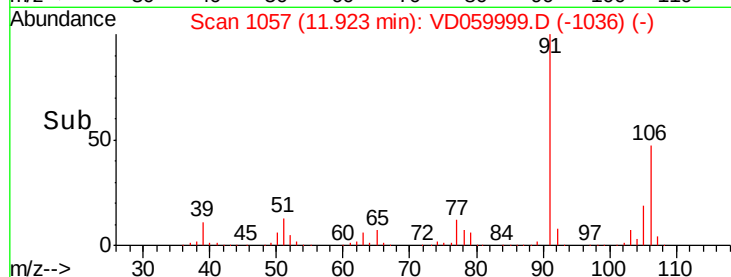
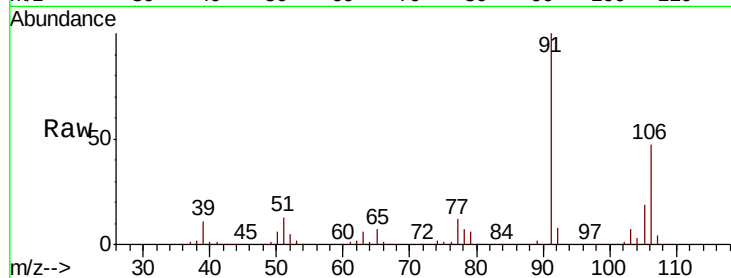
#69
o-Xylene
Concen: 54.68 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion:106 Resp: 1246354
Ion Ratio Lower Upper
106 100
91 212.8 107.7 323.1

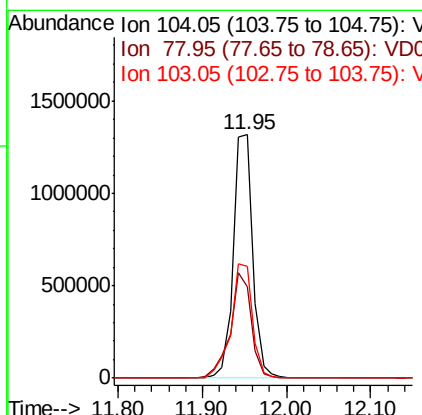
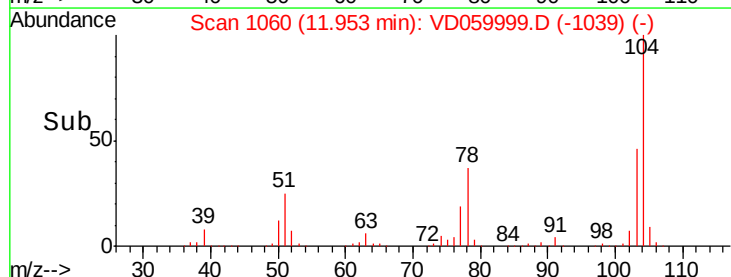
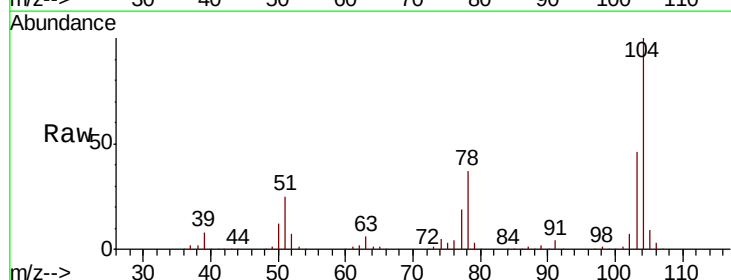
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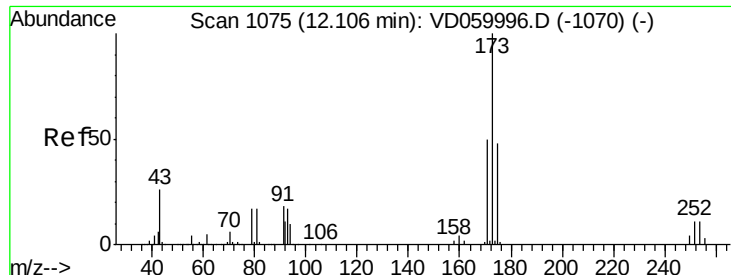
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#70
Styrene
Concen: 55.04 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion:104 Resp: 2109434
Ion Ratio Lower Upper
104 100
78 37.4 31.0 46.4
103 45.8 37.6 56.4





#71

Bromoform

Concen: 54.46 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampled :

ICVVD091318

Tot Ion:173 Resp: 610846

Ion Ratio Lower Upper

173 100

175 49.8 24.0 72.0

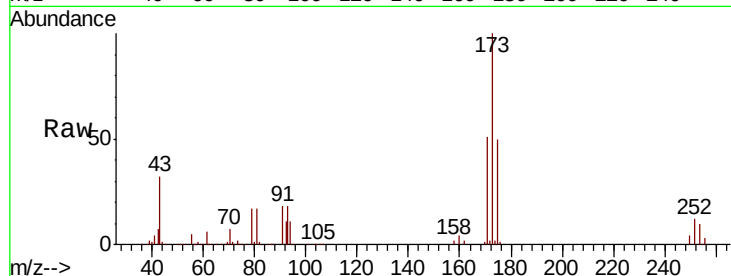
254 10.4 8.6 13.0

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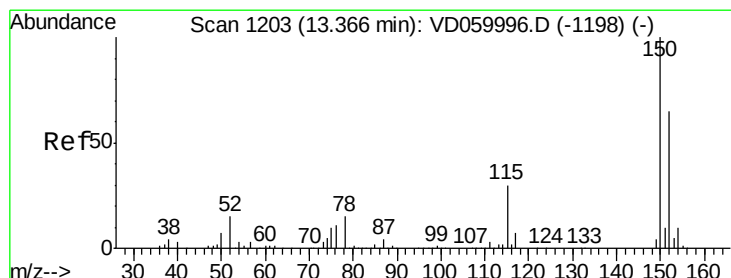
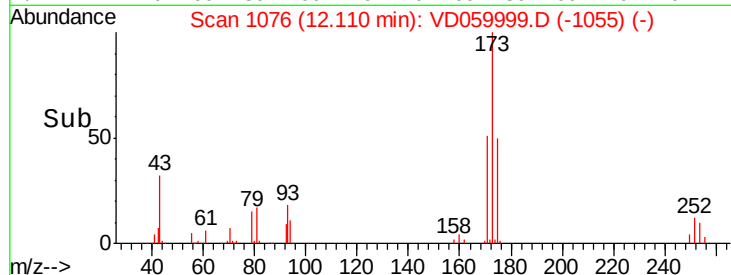
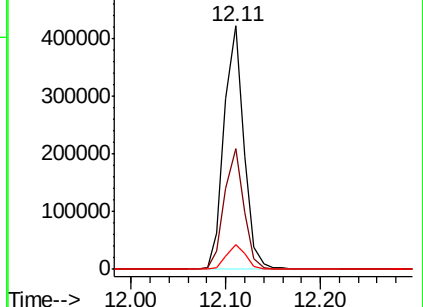
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Abundance Ion 172.80 (172.50 to 173.50): V

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# 1204

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

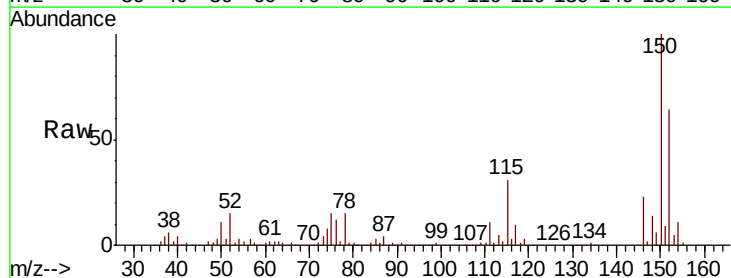
Tgt Ion:152 Resp: 962465

Ion Ratio Lower Upper

152 100

115 48.6 24.6 73.8

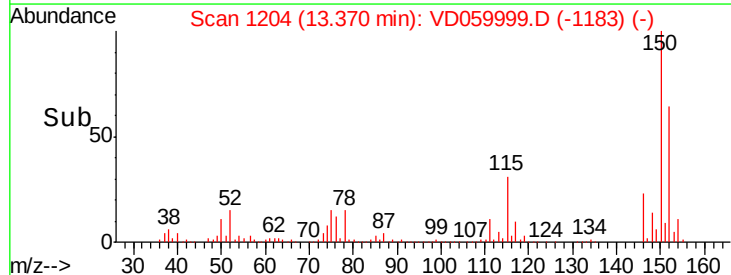
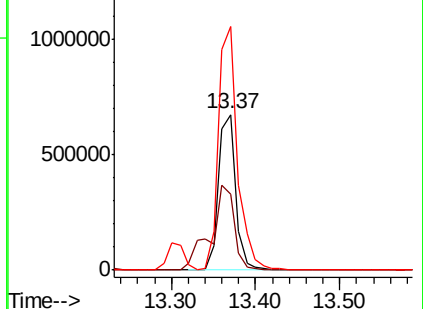
150 156.7 0.0 313.4

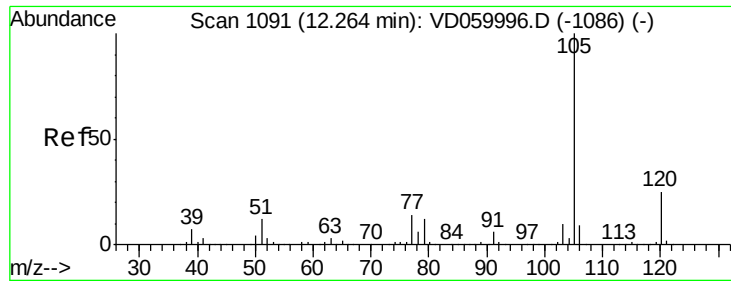


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.66 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091318

Tot Ion:105 Resp: 3323827

Ion Ratio Lower Upper

105 100

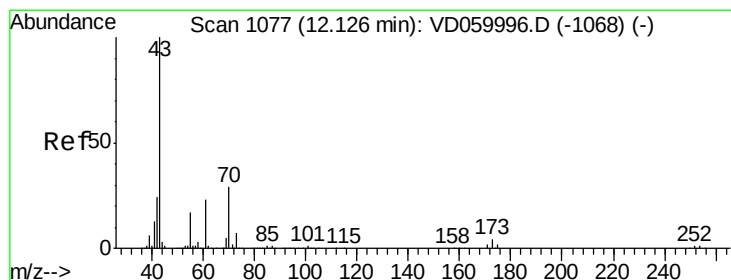
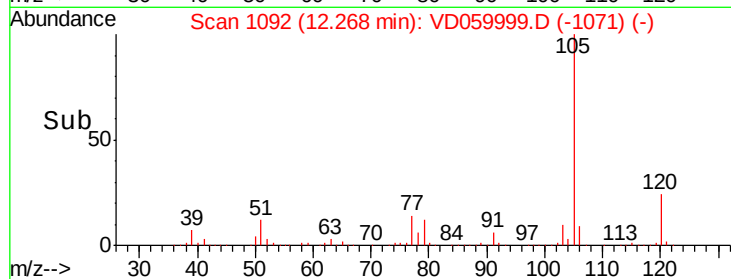
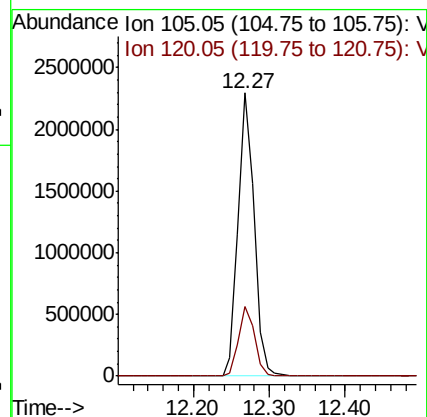
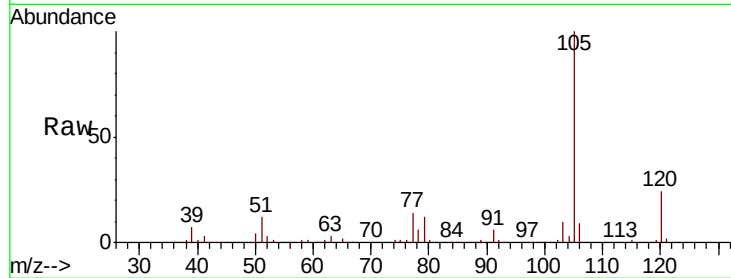
120 24.4 12.3 36.9

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#74

N-ethyl acetate

Concen: 51.31 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Tgt Ion: 43 Resp: 1282870

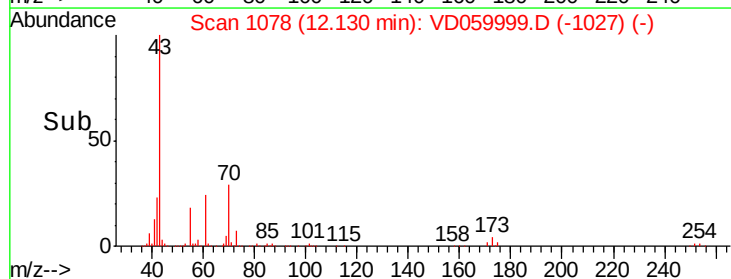
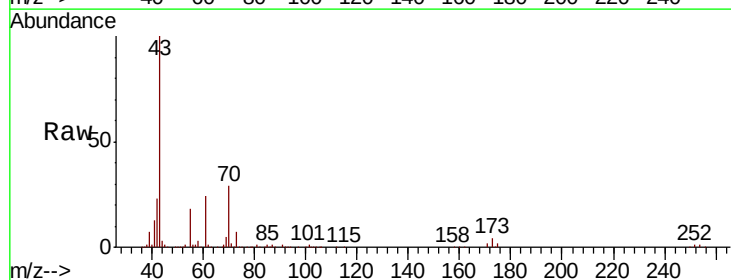
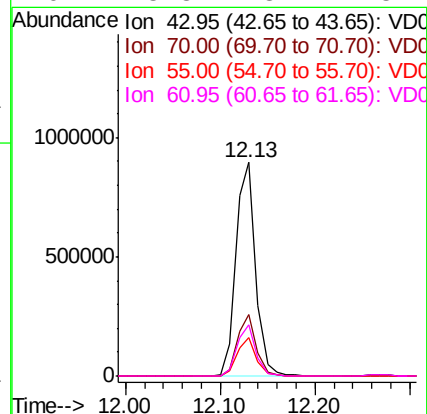
Ion Ratio Lower Upper

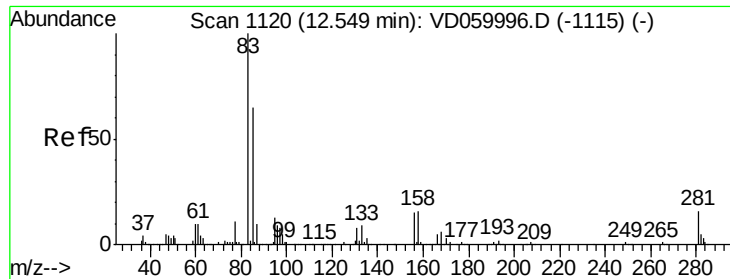
43 100

70 29.1 22.9 34.3

55 17.8 14.0 21.0

61 23.8 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.48 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

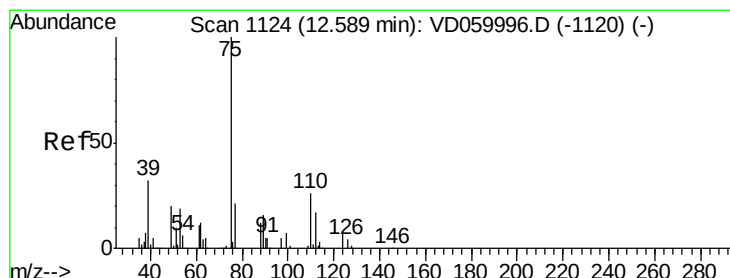
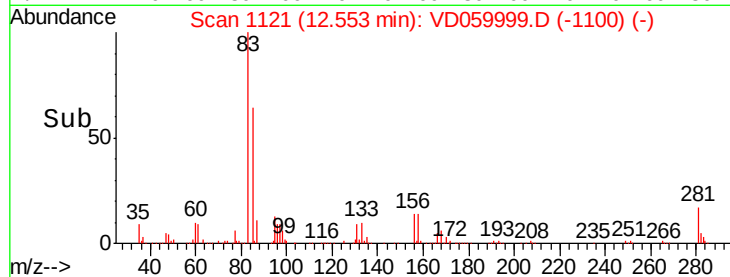
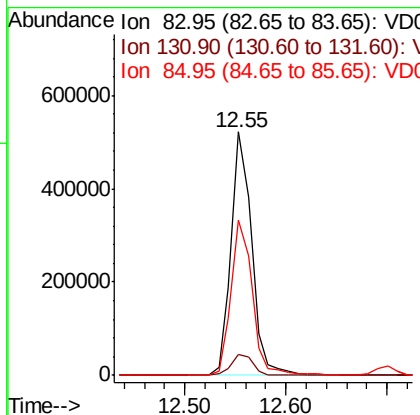
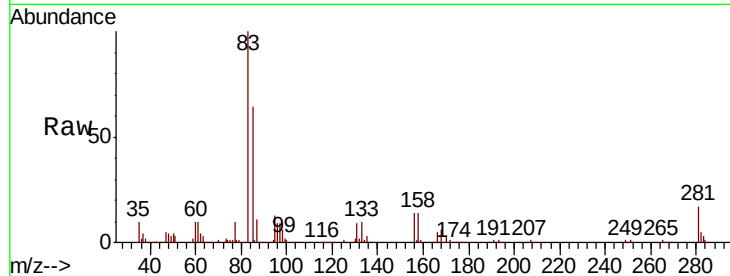
ClientSampleId :

ICVVD091318

Tot Ion	83	Resp	737242
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.1	12.3
85	63.6	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.70 ug/l

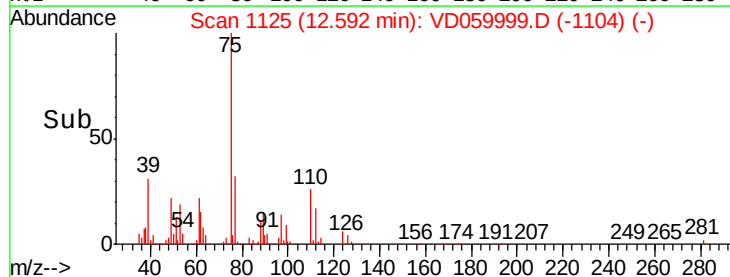
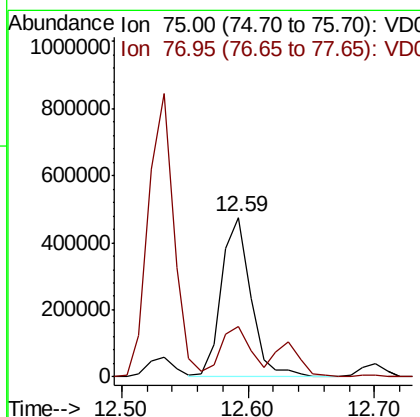
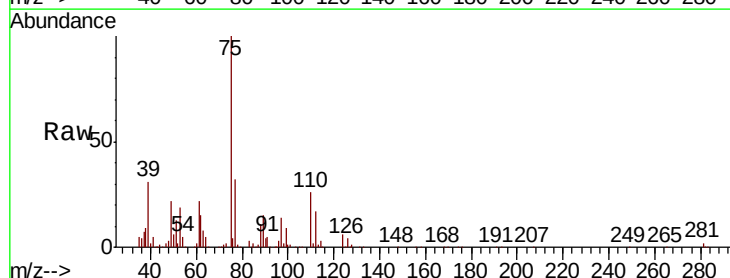
RT: 12.59 min Scan# 1125

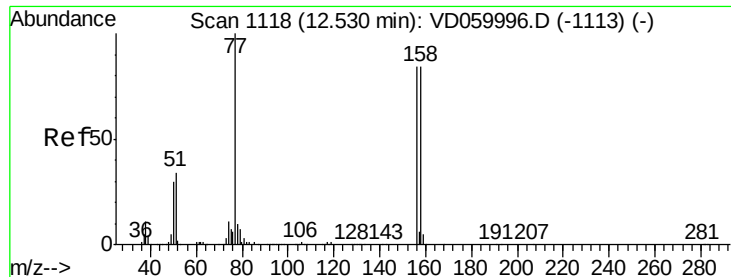
Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Tgt Ion	75	Resp	759934
Ion Ratio	Lower	Upper	
75	100		
77	32.0	16.4	49.4





#77

Bromobenzene

Concen: 53.32 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

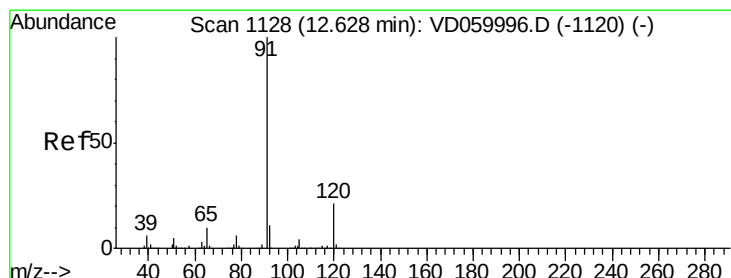
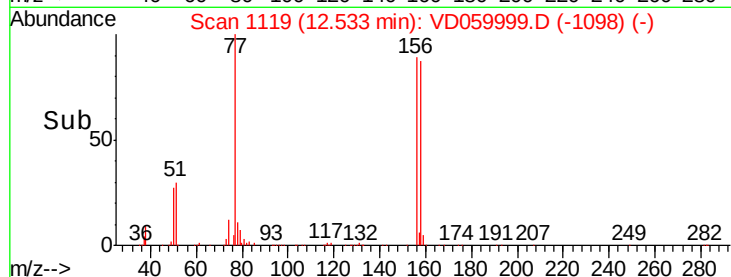
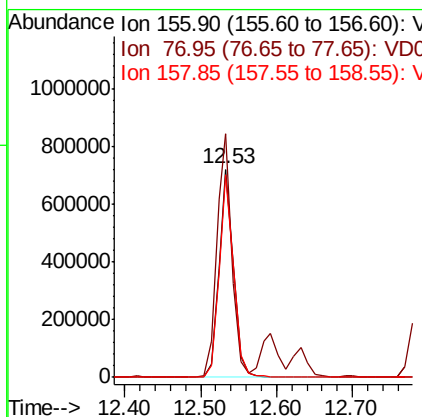
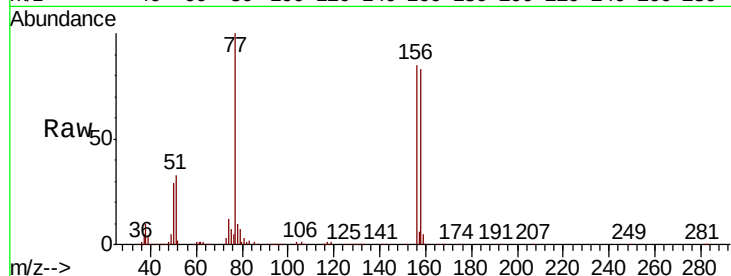
ClientSampleId :

ICVVD091318

Tot Ion	Ratio	Lower	Upper
156	100		
77	117.1	59.5	178.4
158	97.5	50.0	149.8

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#78

n-propylbenzene

Concen: 52.24 ug/l

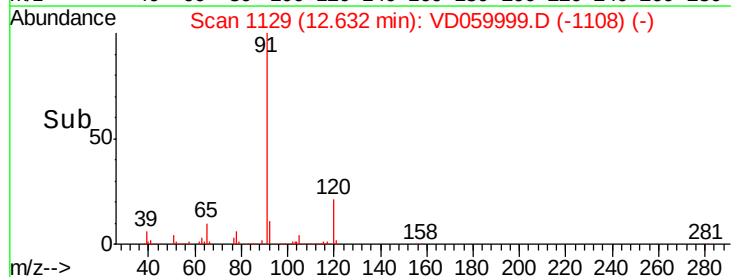
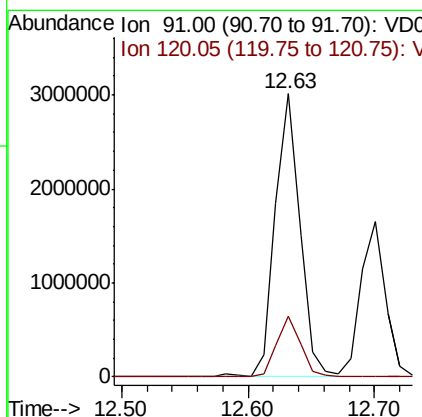
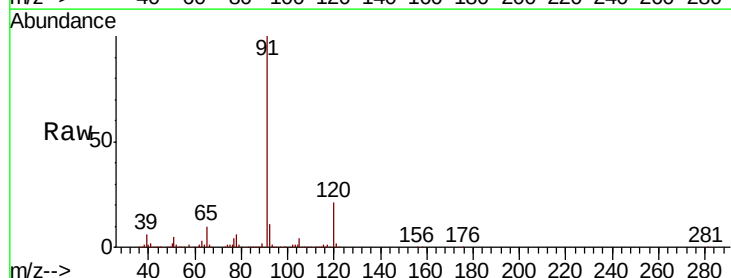
RT: 12.63 min Scan# 1129

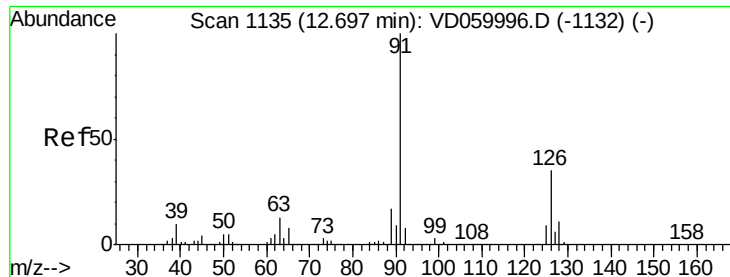
Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.7	31.9





#79

2-Chlorotoluene

Concen: 50.23 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091318

Tot Ion: 91 Resp: 2250558

Ion Ratio Lower Upper

91 100

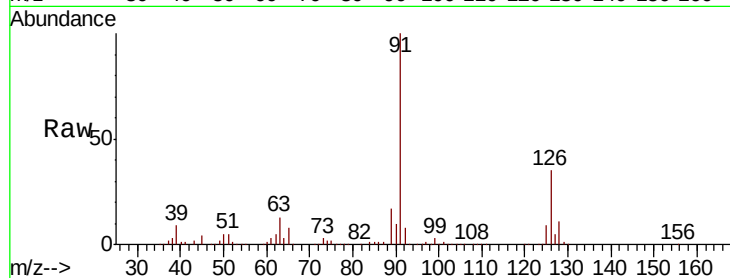
126 35.0 17.3 52.0

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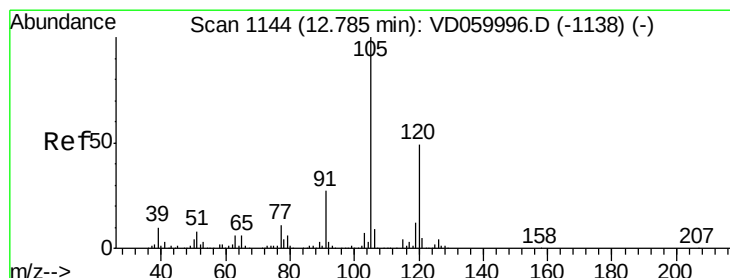
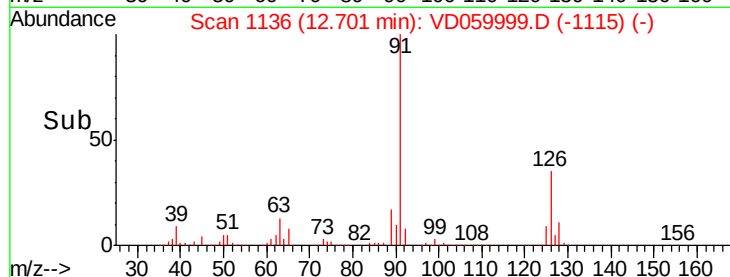
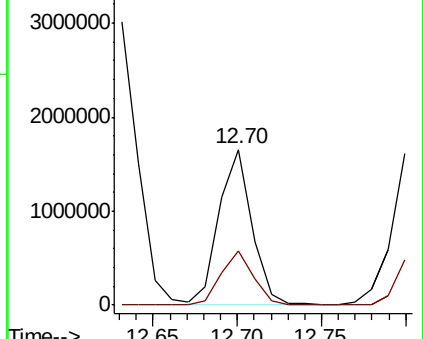
apatel

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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: 52.41 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VD059999.D

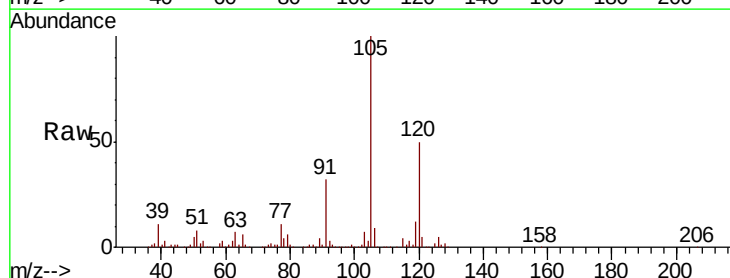
Acq: 13 Sep 2018 16:15

Tgt Ion:105 Resp: 2535535

Ion Ratio Lower Upper

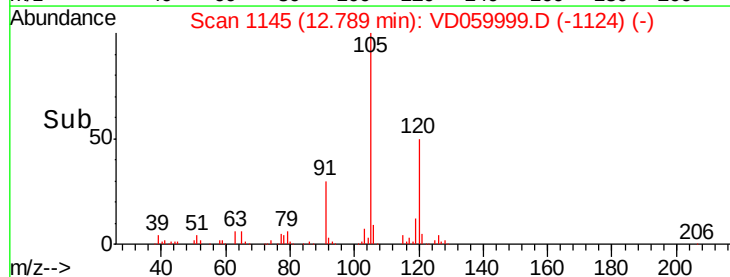
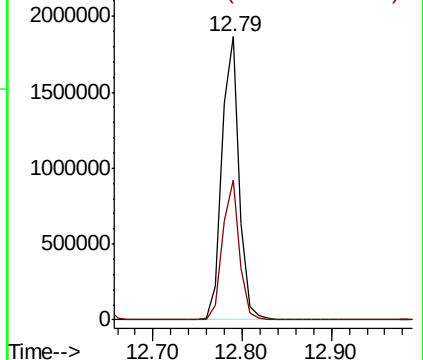
105 100

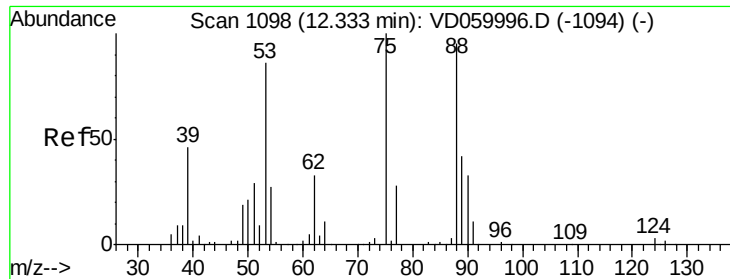
120 49.6 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





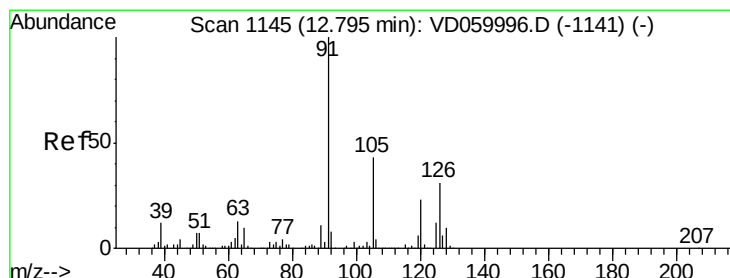
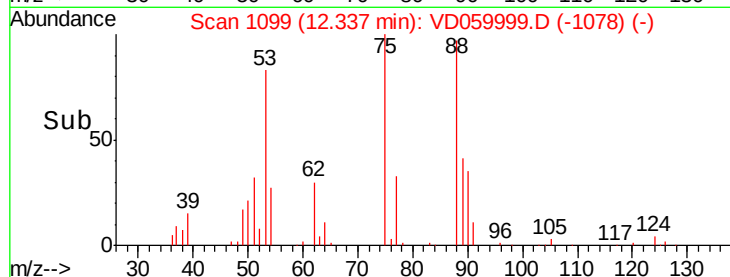
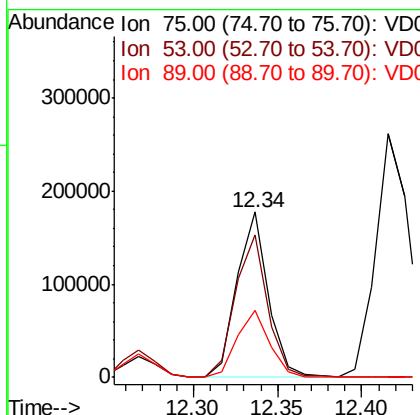
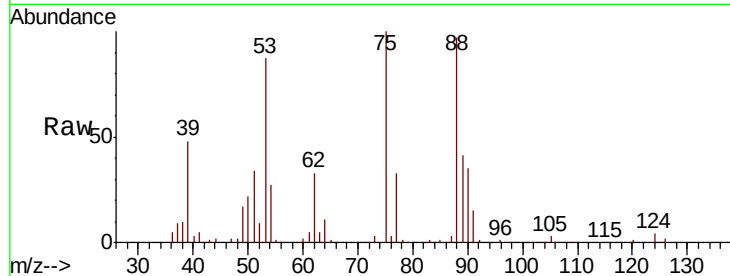
#81
trans-1,4-Dichloro-2-butene
Concen: 51.67 ug/l
RT: 12.34 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion	Ratio	Resp	Lower	Upper
75	100	229257		
53	86.6		68.4	102.6
89	41.0		33.8	50.6

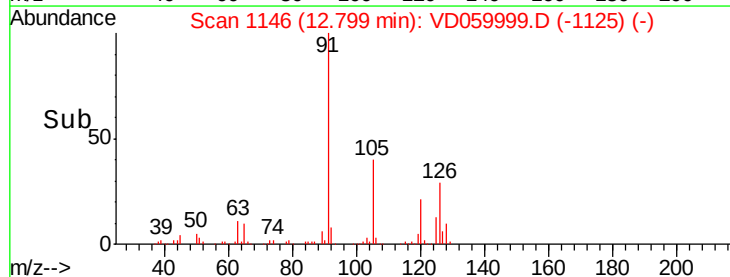
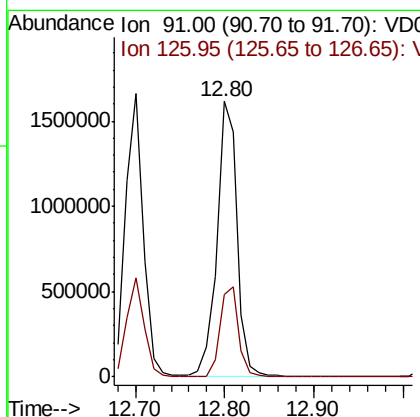
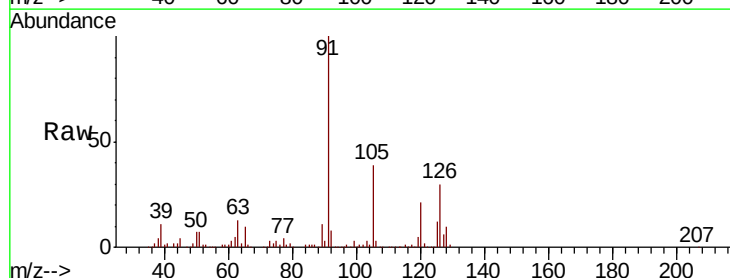
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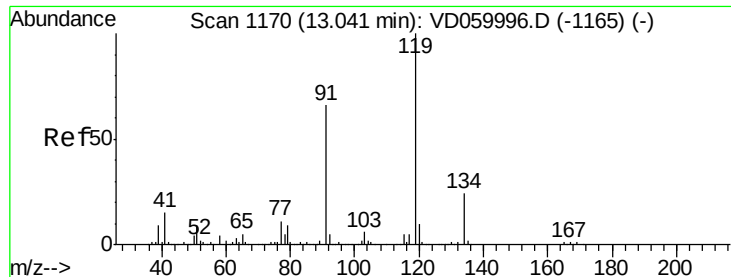
apatel
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#82
4-Chlorotoluene
Concen: 51.41 ug/l
RT: 12.80 min Scan# 1146
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2532128		
126	30.0		15.4	46.1





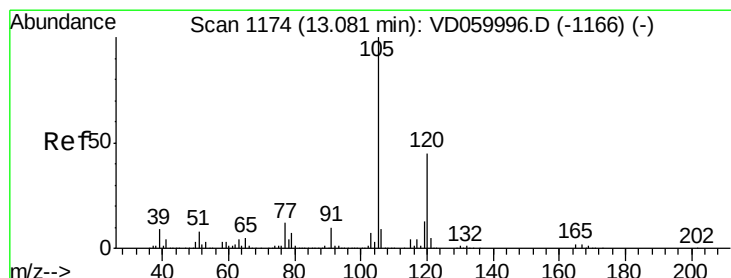
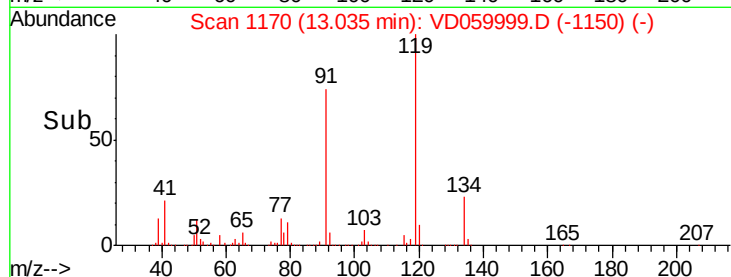
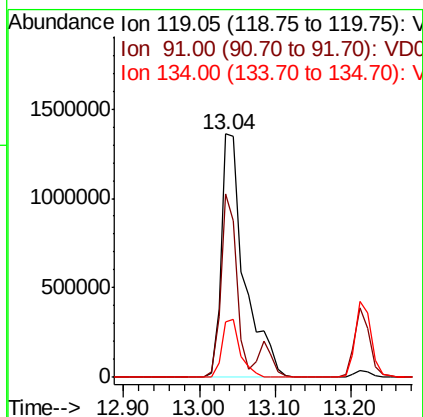
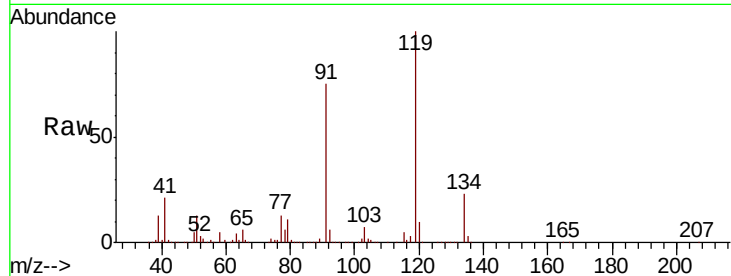
#83
 tert-Butylbenzene
 Concen: 52.00 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091318

Tot Ion:119 Resp: 2914739
 Ion Ratio Lower Upper
 119 100
 91 75.2 32.9 98.6
 134 22.9 12.0 36.0

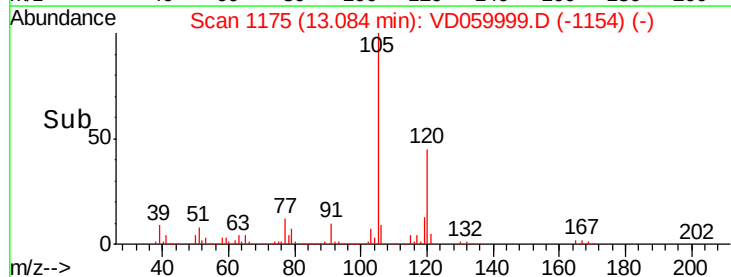
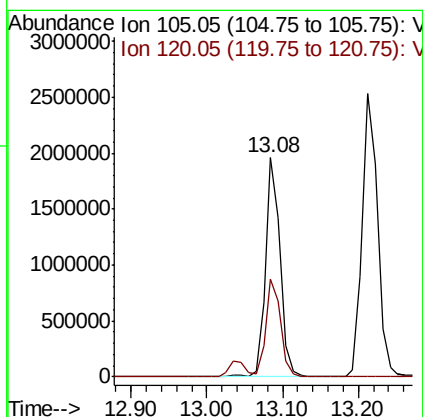
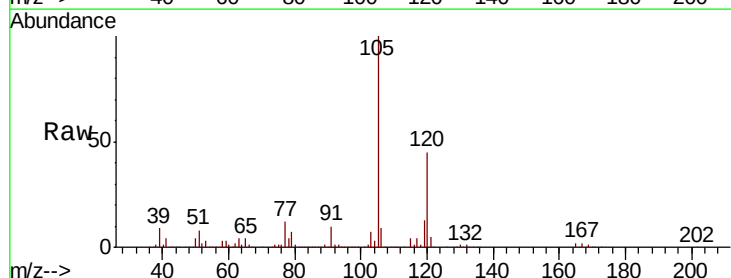
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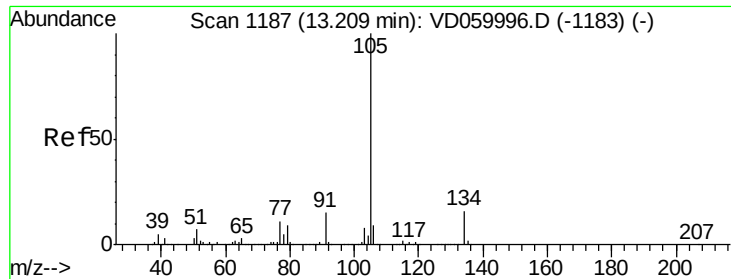
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.15 ug/l
 RT: 13.08 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion:105 Resp: 2640684
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.0





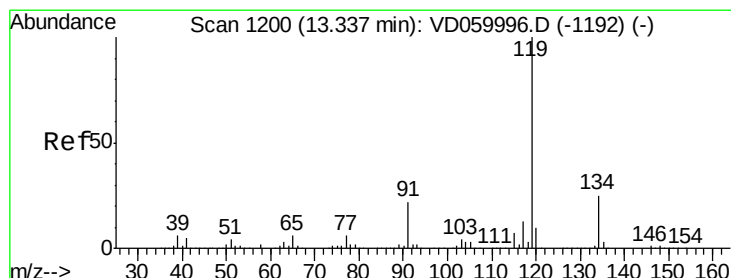
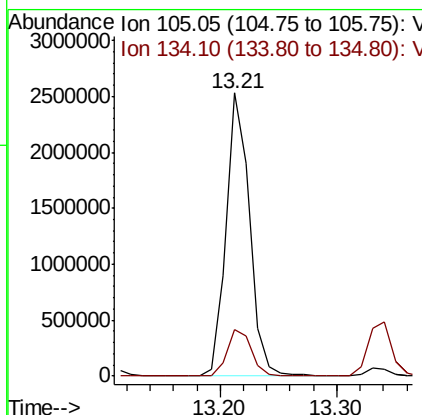
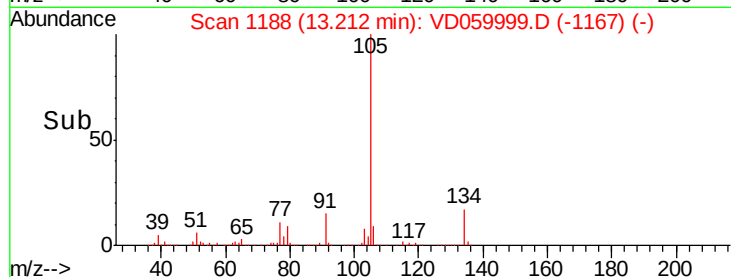
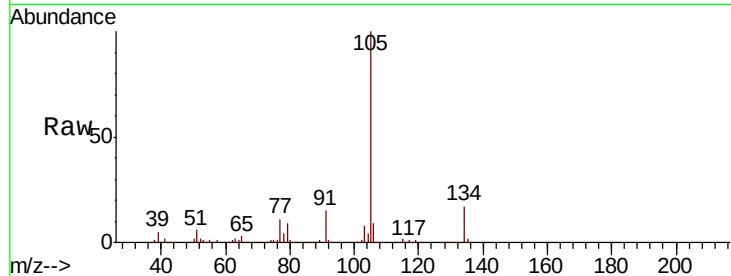
#85
 sec-Butylbenzene
 Concen: 52.76 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091318

Tot Ion:105 Resp: 3510653
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.2 24.6

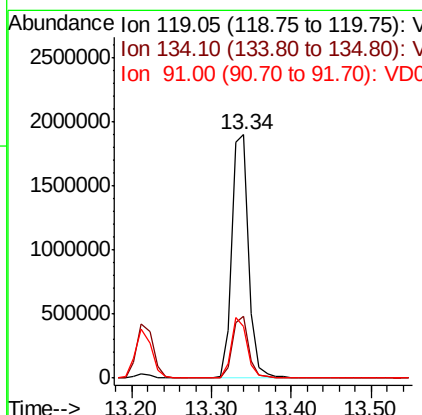
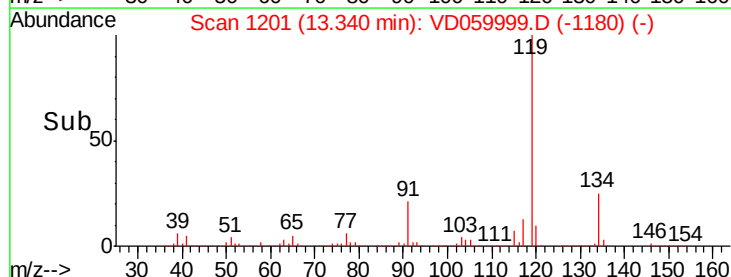
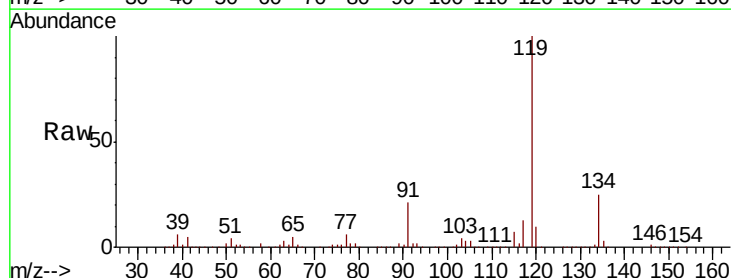
Manual Integrations
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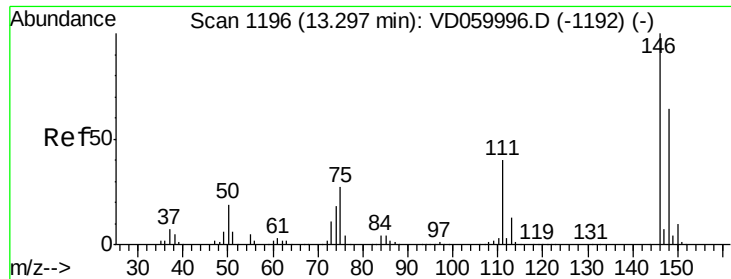
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#86
 p-Isopropyltoluene
 Concen: 52.46 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion:119 Resp: 2823268
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.8 38.3
 91 21.2 11.1 33.3





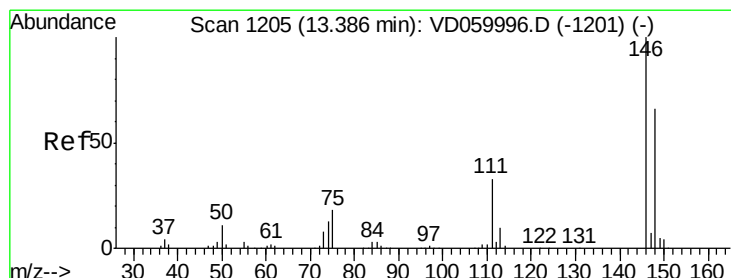
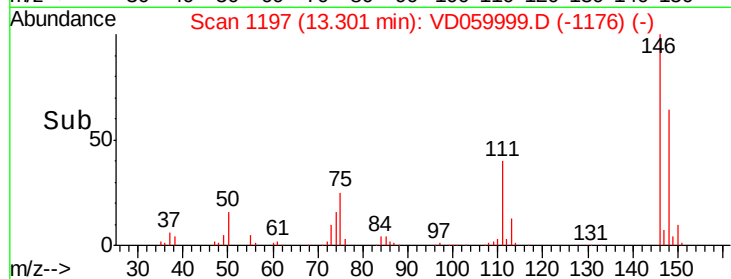
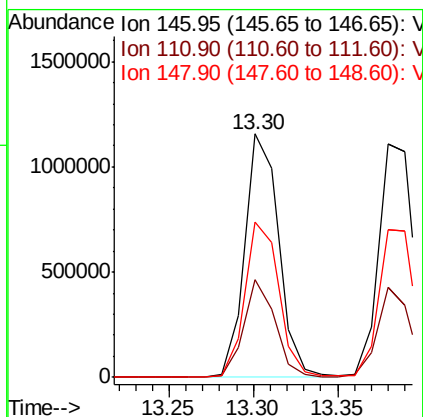
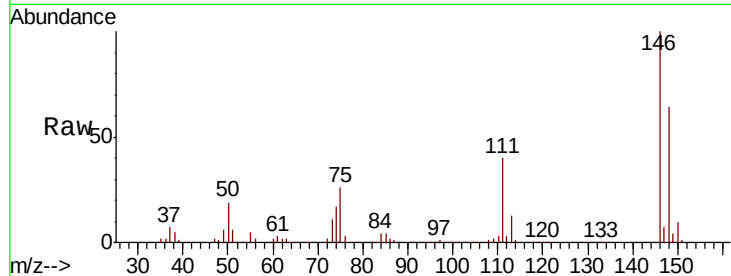
#87
 1,3-Dichlorobenzene
 Concen: 51.16 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091318

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	63.9	32.0	96.2

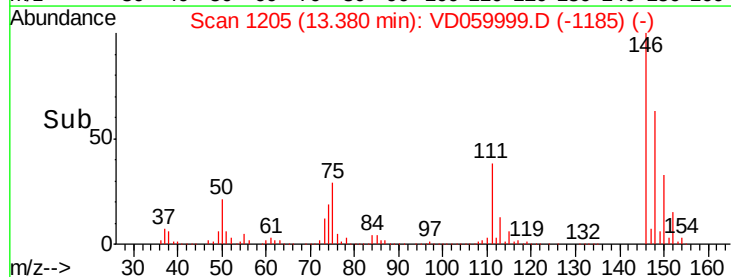
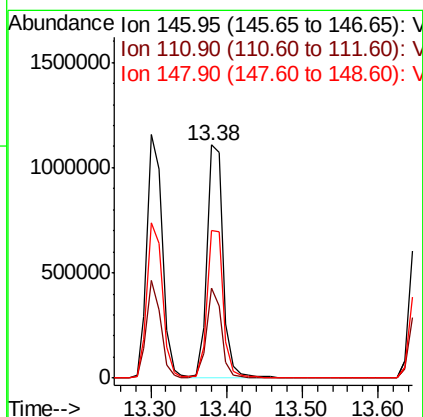
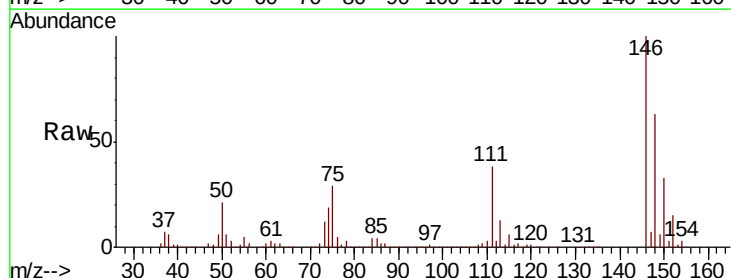
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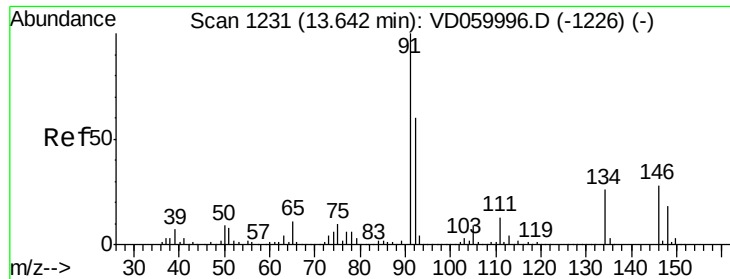
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#88
 1,4-Dichlorobenzene
 Concen: 51.58 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	16.7	50.0
148	63.3	32.9	98.6





#89

n-Butylbenzene

Concen: 54.99 ug/l

RT: 13.64 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059999.D

Acq: 13 Sep 2018 16:15

Instrument :

MSVOA_D

ClientSampleId :

ICVVD091318

Tot Ion: 91 Resp: 2722402

Ion Ratio Lower Upper

91 100

92 60.6 29.8 89.3

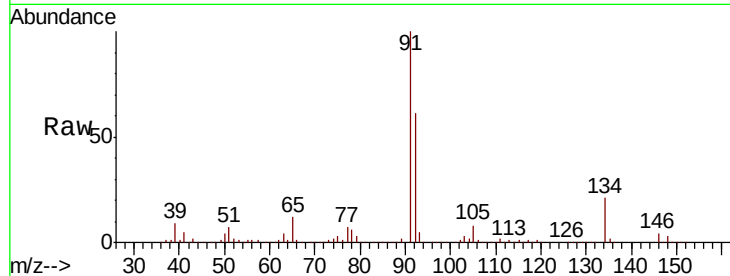
134 20.5 13.2 39.6

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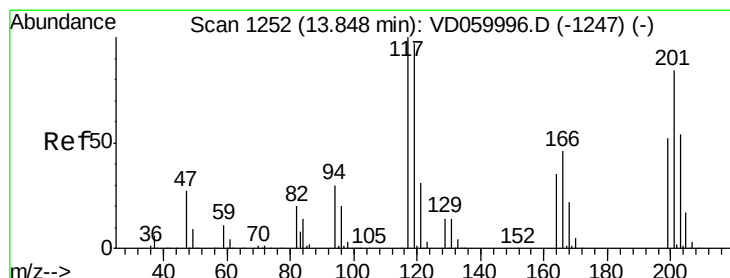
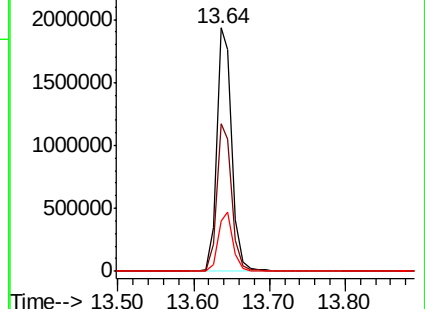
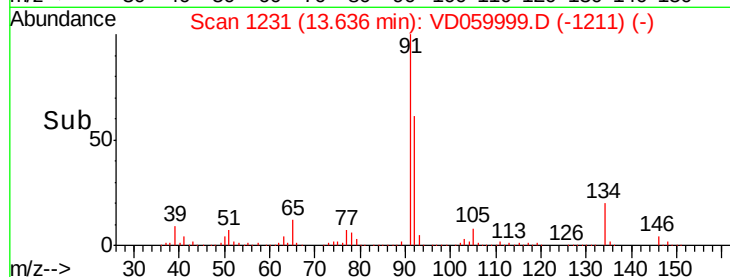
9/14/2018 10:58:04 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 54.55 ug/l

RT: 13.85 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD059999.D

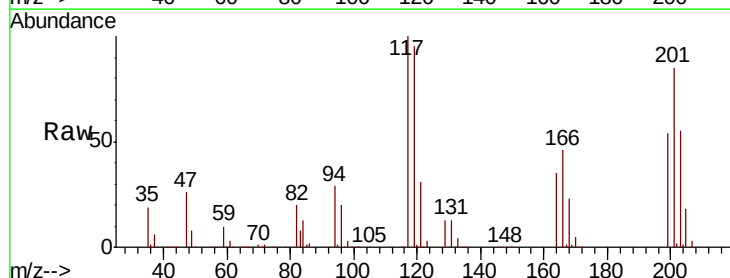
Acq: 13 Sep 2018 16:15

Tgt Ion: 117 Resp: 727133

Ion Ratio Lower Upper

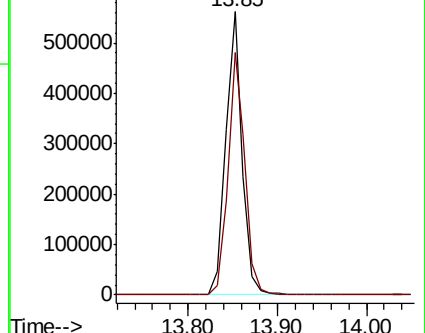
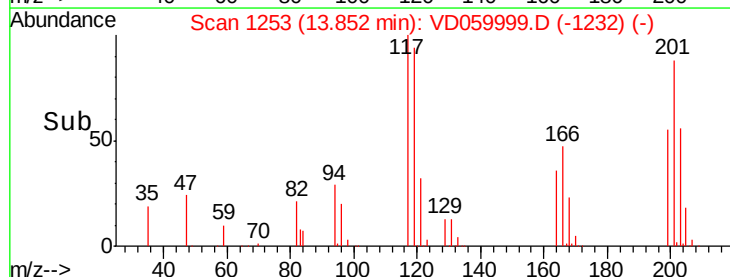
117 100

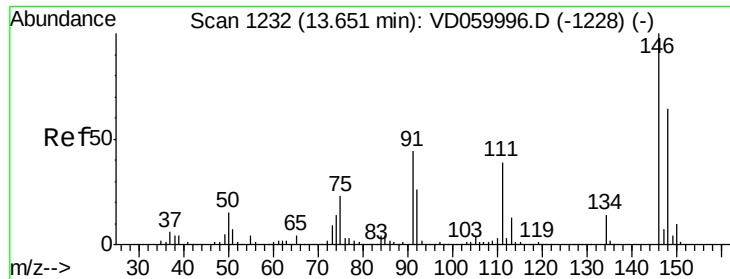
201 85.4 42.1 126.4



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





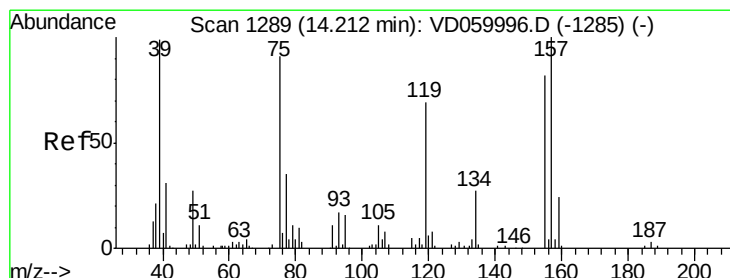
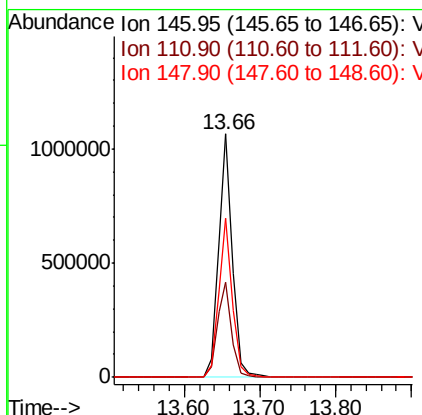
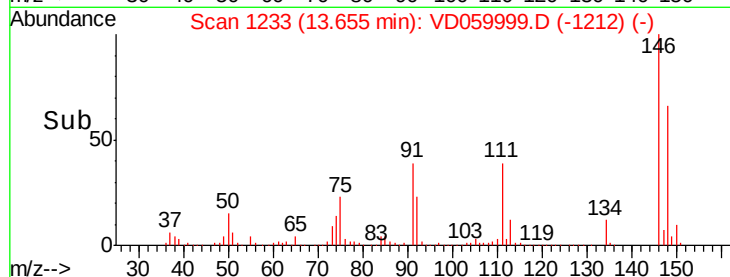
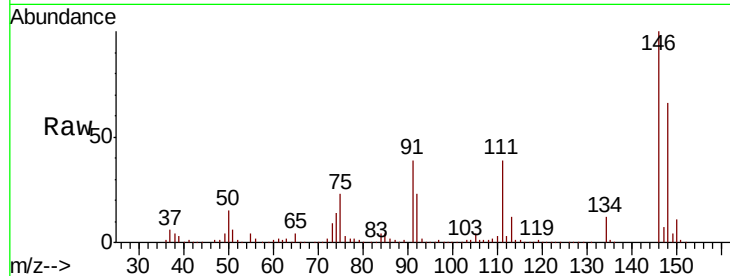
#91
 1,2-Dichlorobenzene
 Concen: 54.12 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091318

Tot Ion:146 Resp: 1364185
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.6 58.7
 148 65.6 31.9 95.7

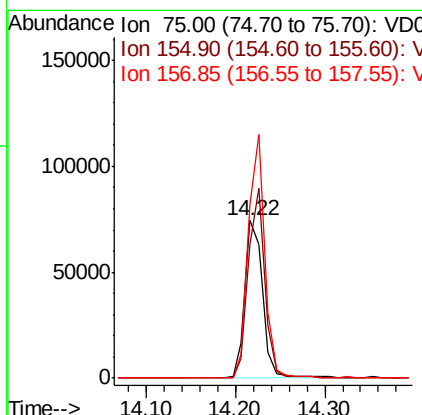
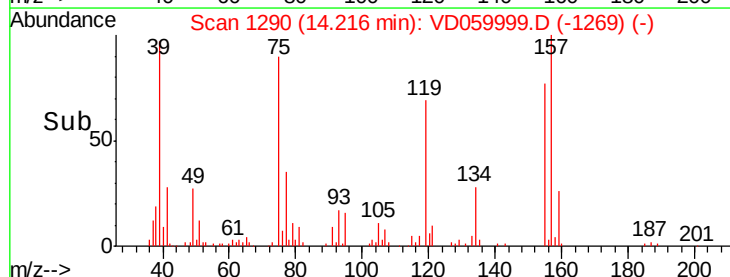
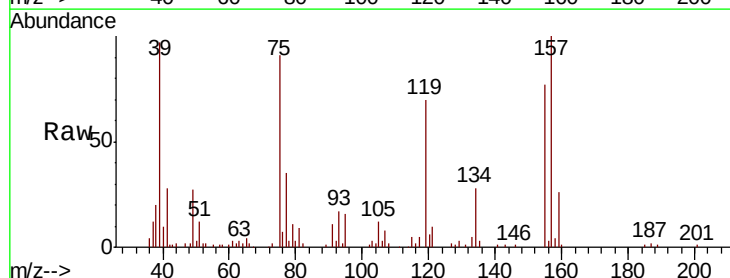
Manual Integrations
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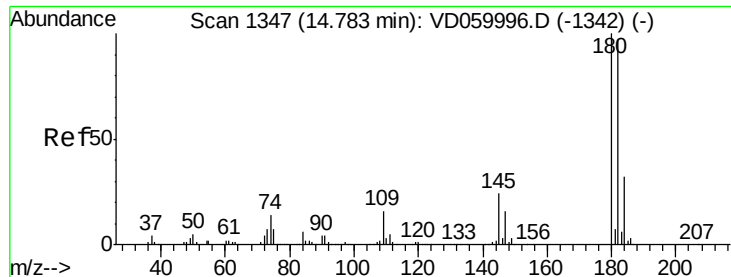
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.14 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion: 75 Resp: 102915
 Ion Ratio Lower Upper
 75 100
 155 84.5 44.7 134.1
 157 110.3 54.7 164.1





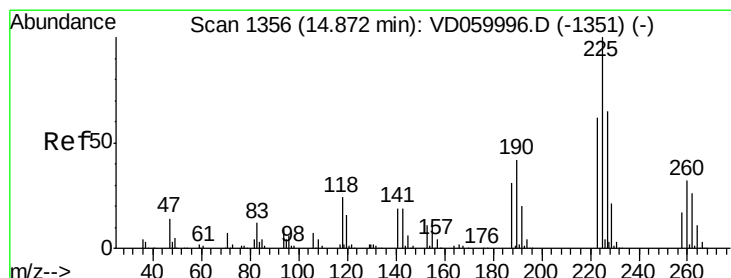
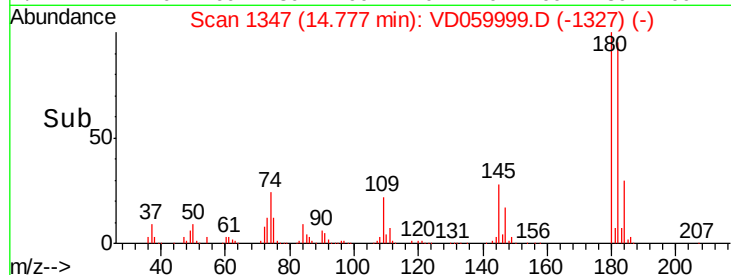
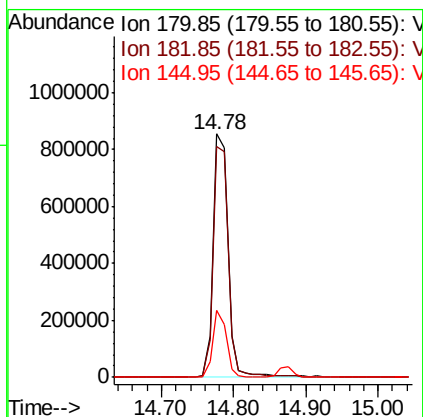
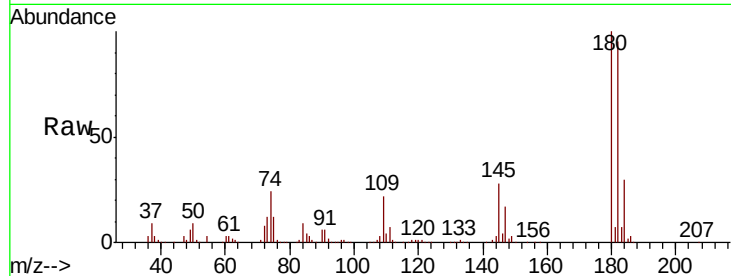
#93
 1,2,4-Trichlorobenzene
 Concen: 54.03 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD091318

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.5	145.6
145	27.7	11.9	35.7

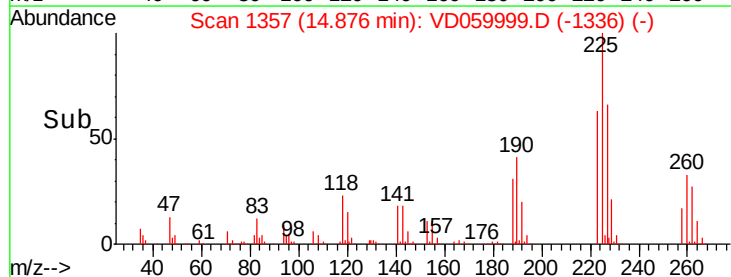
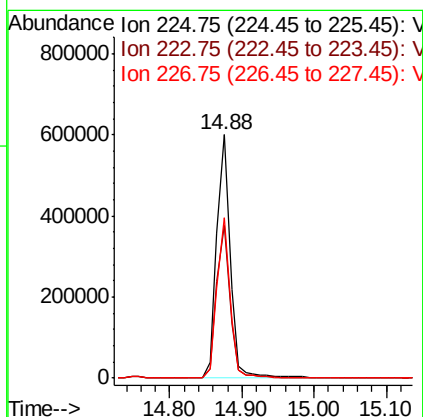
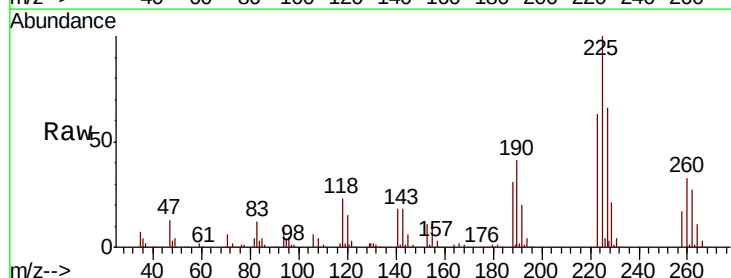
Manual Integrations
 APPROVED

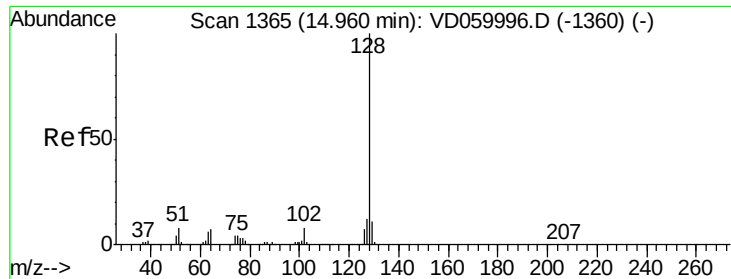
apatel
 9/14/2018 10:58:04 AM



#94
 Hexachlorobutadiene
 Concen: 52.14 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VD059999.D
 Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.2	93.6
227	65.9	32.3	96.8





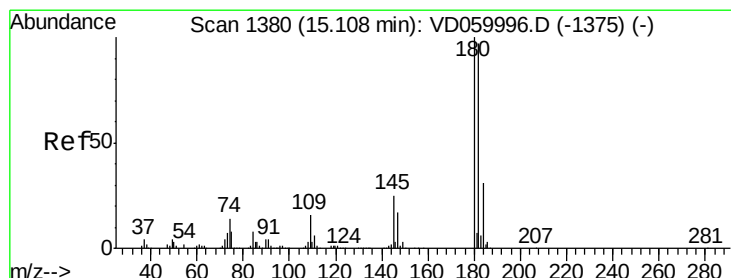
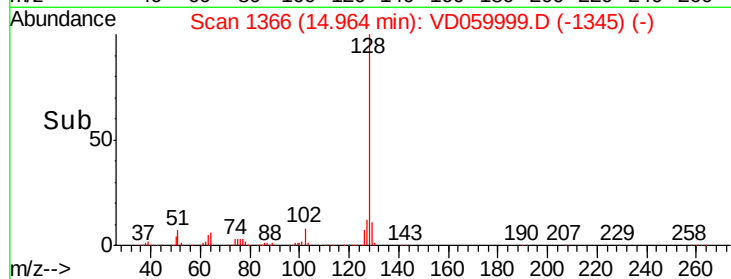
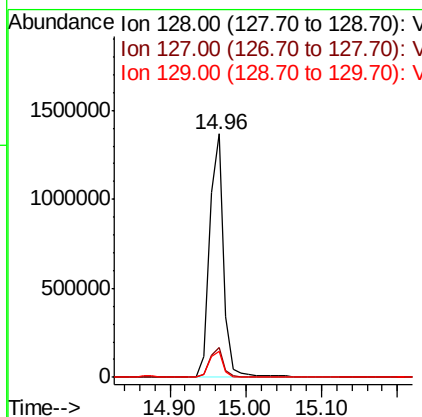
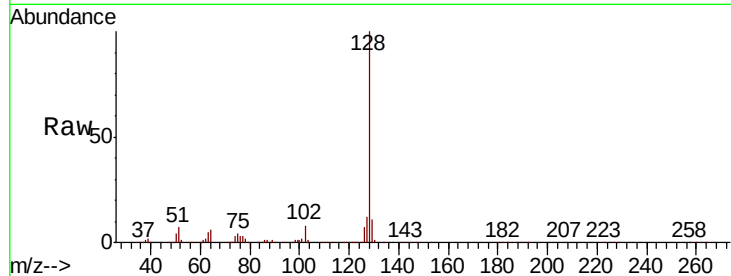
#95
Naphthalene
Concen: 51.06 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Instrument :
MSVOA_D
ClientSampleId :
ICVVD091318

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.7	14.5
129	10.9	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.57 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VD059999.D
Acq: 13 Sep 2018 16:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	48.6	145.9
145	25.4	12.7	38.1

