

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059910.D
 Acq On : 27 Aug 2018 12:33
 Operator : JC/SY
 Sample : VD0827SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Manual Integrations
 APPROVED

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 8/28/2018 2:12:29 PM

Quant Time: Aug 27 14:58:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1233376	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.43	114	1719739	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1436052	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	785120	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	534365	51.40	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.80%	
35) Dibromofluoromethane	6.30	113	695027	51.55	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	9.44	98	1884886	50.37	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.42	95	761204	50.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	193339	17.54	ug/l	92
3) Chloromethane	1.74	50	176829	17.70	ug/l	99
4) Vinyl Chloride	1.84	62	141543	18.07	ug/l	98
5) Bromomethane	2.11	94	13275	9.82	ug/l #	66
6) Chloroethane	2.23	64	33815	11.91	ug/l	96
7) Trichlorofluoromethane	2.48	101	163206	18.01	ug/l	94
8) Diethyl Ether	2.81	74	39404	19.39	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.07	101	112521	20.28	ug/l	98
10) Methyl Iodide	3.21	142	78699	15.86	ug/l	98
11) Tert butyl alcohol	3.96	59	83099	104.76	ug/l	99
12) 1,1-Dichloroethene	3.05	96	85479	19.79	ug/l	93
13) Acrolein	2.97	56	30402	88.37	ug/l	100
14) Allyl chloride	3.51	41	188756	19.32	ug/l	98
15) Acrylonitrile	4.06	53	294940	99.30	ug/l	99
16) Acetone	3.15	43	173310	91.51	ug/l	99
17) Carbon Disulfide	3.28	76	204554	15.26	ug/l	98
18) Methyl Acetate	3.53	43	70186	17.75	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	477864	19.56	ug/l	97
20) Methylene Chloride	3.70	84	270576	19.11	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	211992	17.81	ug/l	100
22) Diisopropyl ether	4.84	45	985212	19.77	ug/l	98
23) Vinyl Acetate	4.78	43	2879238	103.35	ug/l	99
24) 1,1-Dichloroethane	4.73	63	411236	19.10	ug/l	99
25) 2-Butanone	5.61	43	486534	86.74	ug/l	99
26) 2,2-Dichloropropane	5.57	77	342748	19.04	ug/l	100
27) cis-1,2-Dichloroethene	5.58	96	252375	19.37	ug/l	97
28) Bromochloromethane	5.90	49	211264	20.47	ug/l	98
29) Tetrahydrofuran	5.94	42	272133	101.91	ug/l	99
30) Chloroform	6.08	83	438852	20.06	ug/l	98
31) Cyclohexane	6.34	56	333785	16.86	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	358909	19.33	ug/l	99
36) 1,1-Dichloropropene	6.50	75	292560	18.77	ug/l	95
37) Ethyl Acetate	5.67	43	244401	20.15	ug/l	98
38) Carbon Tetrachloride	6.48	117	294772	18.74	ug/l	97

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

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 ClientSampleId :
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Manual Integrations
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Quant Time: Aug 27 14:58:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	299405	17.78	ug/l	99
40) Benzene	6.78	78	775153	19.12	ug/l	100
41) Methacrylonitrile	5.91	41	110161m	18.03	ug/l	
42) 1,2-Dichloroethane	6.88	62	257810	19.81	ug/l	99
43) Isopropyl Acetate	8.33	43	311486	19.74	ug/l #	98
44) Trichloroethene	7.72	130	229526	19.23	ug/l	100
45) 1,2-Dichloropropane	8.09	63	216080	19.07	ug/l	99
46) Dibromomethane	8.20	93	141874	19.47	ug/l	97
47) Bromodichloromethane	8.48	83	326372	19.79	ug/l	100
48) Methyl methacrylate	8.23	41	179728	19.54	ug/l	98
49) 1,4-Dioxane	8.22	88	32644	397.44	ug/l	94
51) 4-Methyl-2-Pentanone	9.33	43	1043421	88.68	ug/l	98
52) Toluene	9.53	92	511045	19.66	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	304150	19.94	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	344986	19.51	ug/l	97
55) 1,1,2-Trichloroethane	10.17	97	185547	19.53	ug/l	98
56) Ethyl methacrylate	10.02	69	212692	19.40	ug/l	98
57) 1,3-Dichloropropane	10.37	76	277453	20.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.91	63	586375	111.47	ug/l	98
59) 2-Hexanone	10.48	43	787436	90.74	ug/l	98
60) Dibromochloromethane	10.63	129	236493	19.80	ug/l	100
61) 1,2-Dibromoethane	10.75	107	186889	19.45	ug/l	94
64) Tetrachloroethene	10.24	164	211552	19.05	ug/l	99
65) Chlorobenzene	11.30	112	565869	19.83	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	215301	20.65	ug/l	100
67) Ethyl Benzene	11.42	91	992425	20.67	ug/l	100
68) m/p-Xylenes	11.56	106	732911	41.93	ug/l	98
69) o-Xylene	11.92	106	343784	20.11	ug/l	93
70) Styrene	11.95	104	597892	20.20	ug/l	100
71) Bromoform	12.11	173	175399	19.44	ug/l	97
73) Isopropylbenzene	12.27	105	954143	19.04	ug/l	99
74) N-amyl acetate	12.13	43	418458	19.07	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	226199	19.51	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	240876	19.74	ug/l	100
77) Bromobenzene	12.53	156	274504	19.76	ug/l	93
78) n-propylbenzene	12.63	91	1253174	19.75	ug/l	100
79) 2-Chlorotoluene	12.70	91	702910	19.59	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	778015	19.53	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	67365	17.75	ug/l	99
82) 4-Chlorotoluene	12.80	91	794449	19.41	ug/l	91
83) tert-Butylbenzene	13.05	119	872932	19.23	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	817384	19.68	ug/l	99
85) sec-Butylbenzene	13.21	105	1058867	19.84	ug/l	100
86) p-Isopropyltoluene	13.34	119	855151	19.70	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	490144	19.76	ug/l	95
88) 1,4-Dichlorobenzene	13.39	146	498354	20.13	ug/l	98
89) n-Butylbenzene	13.65	91	927133	19.69	ug/l	98
90) Hexachloroethane	13.85	117	205693	17.65	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	444971	21.10	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.23	75	31926	17.91	ug/l	97

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Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

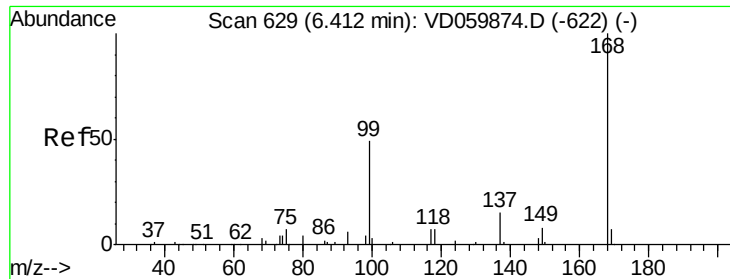
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	348451	19.29	ug/l	98
94) Hexachlorobutadiene	14.88	225	235138	19.86	ug/l	99
95) Naphthalene	14.96	128	543353	19.69	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	304442	19.71	ug/l	97

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



#1

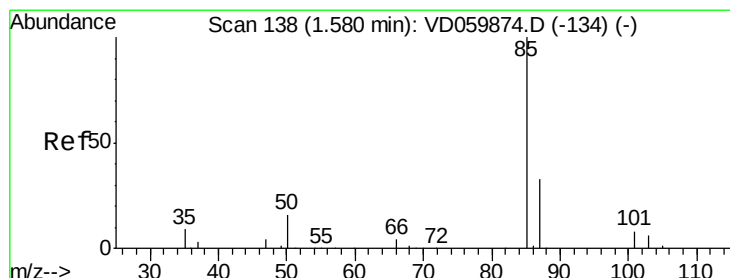
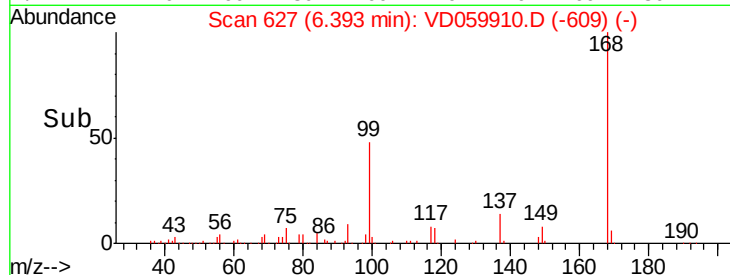
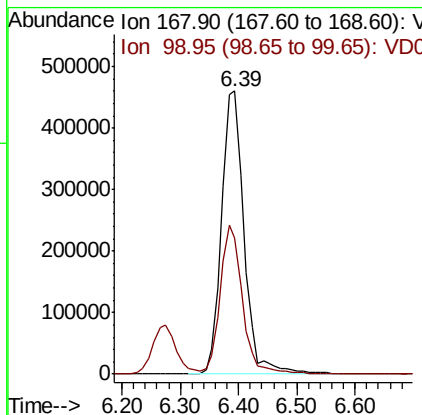
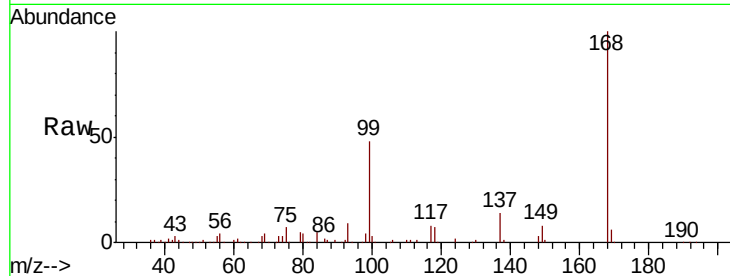
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.39 min Scan# 627
 Delta R.T. -0.02 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.1	42.2	63.2

Manual Integrations
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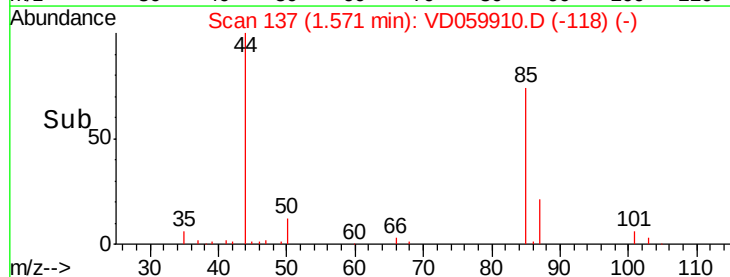
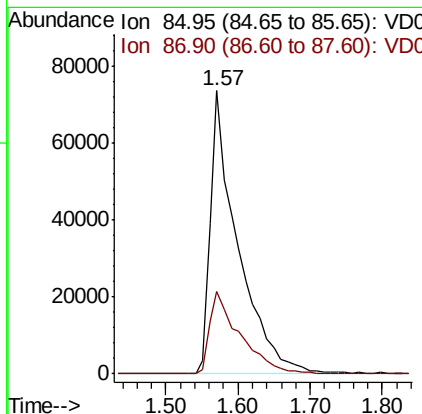
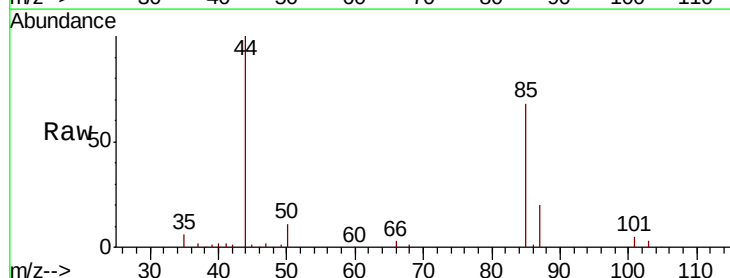
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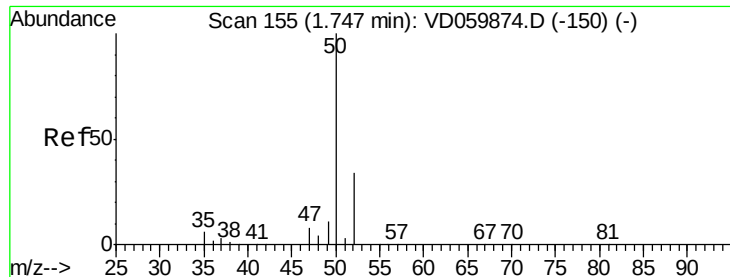


#2

Dichlorodifluoromethane
 Concen: 17.54 ug/l
 RT: 1.57 min Scan# 137
 Delta R.T. -0.01 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.0	16.8	50.3





#3

Chloromethane

Concen: 17.70 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 50 Resp: 176829

Ion Ratio Lower Upper

50 100

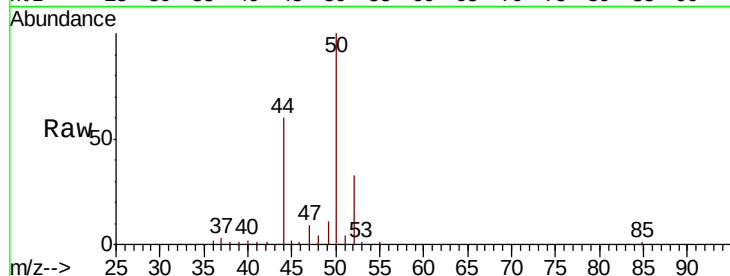
52 33.1 27.0 40.6

Manual Integrations

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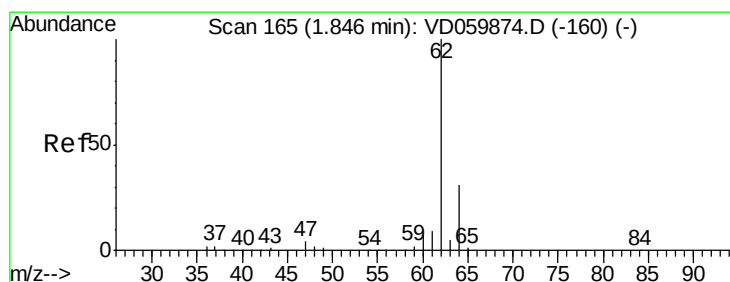
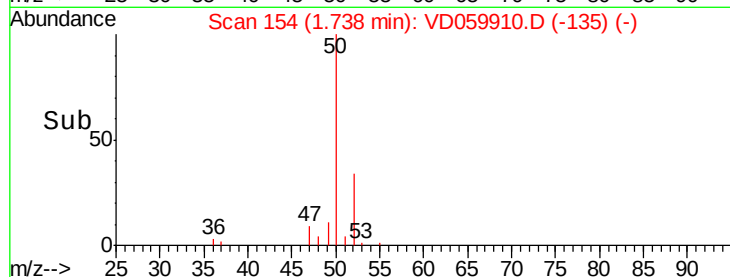
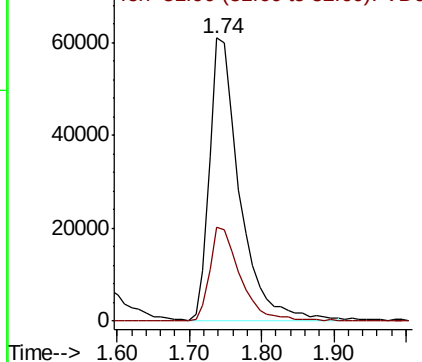
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.07 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059910.D

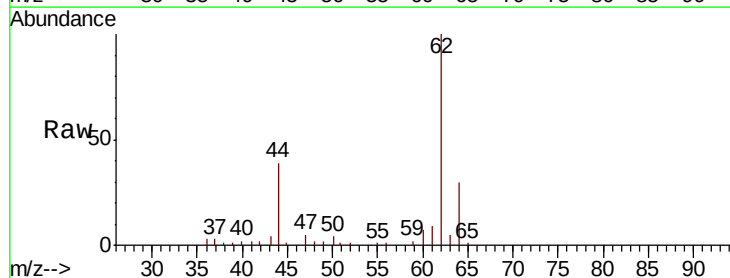
Acq: 27 Aug 2018 12:33

Tgt Ion: 62 Resp: 141543

Ion Ratio Lower Upper

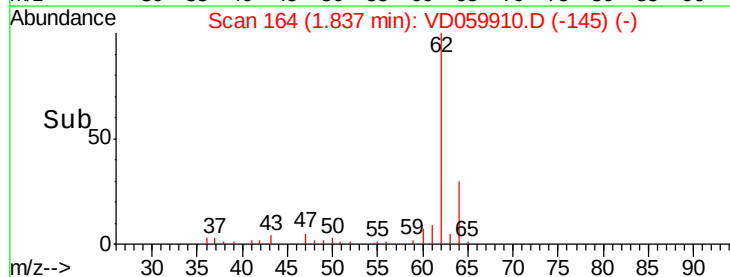
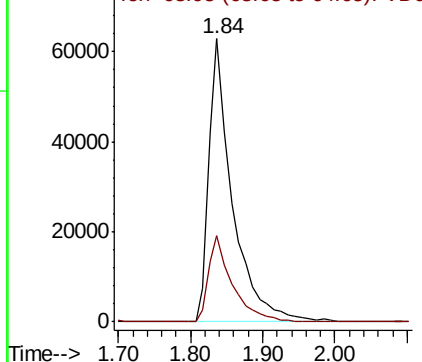
62 100

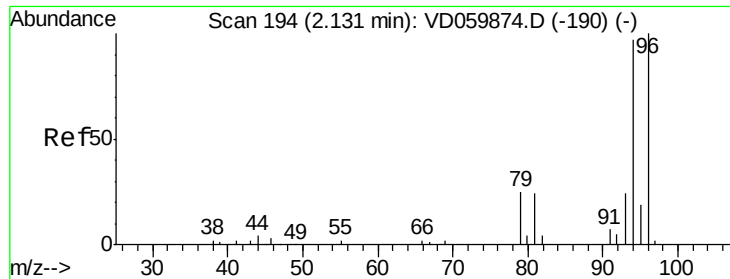
64 30.4 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 9.82 ug/l

RT: 2.11 min Scan# 192

Delta R.T. -0.02 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 94 Resp: 13275

Ion Ratio Lower Upper

94 100

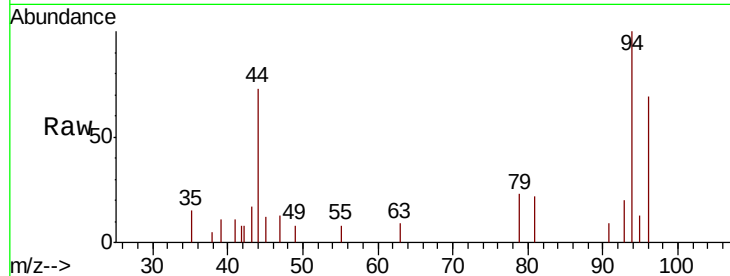
96 68.9 82.4 123.6#

Manual Integrations

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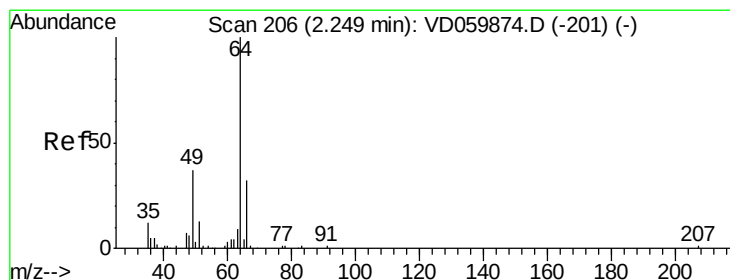
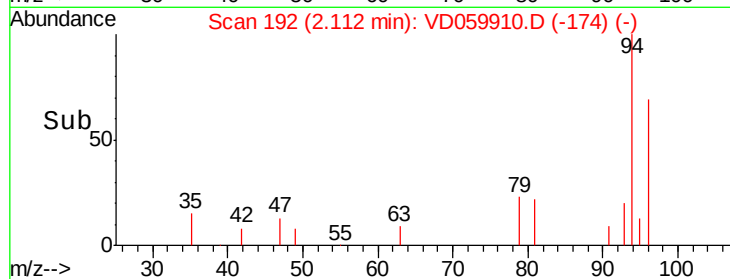
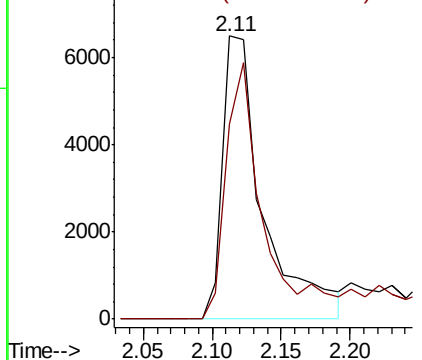
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.91 ug/l

RT: 2.23 min Scan# 204

Delta R.T. -0.02 min

Lab File: VD059910.D

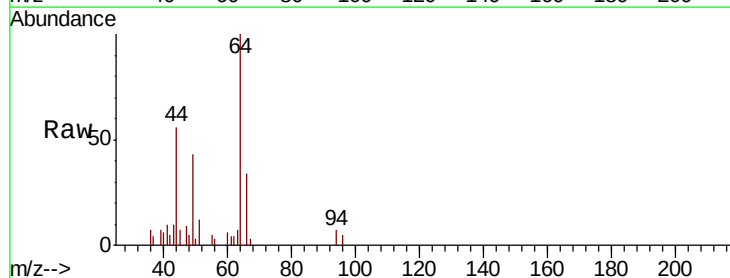
Acq: 27 Aug 2018 12:33

Tgt Ion: 64 Resp: 33815

Ion Ratio Lower Upper

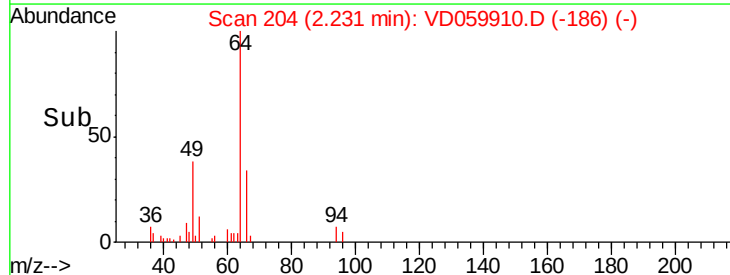
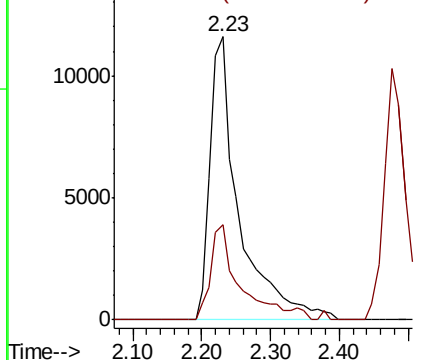
64 100

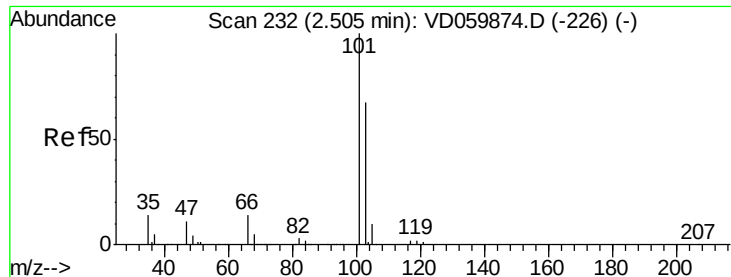
66 33.6 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 18.01 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.03 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion:101 Resp: 163206

Ion Ratio Lower Upper

101 100

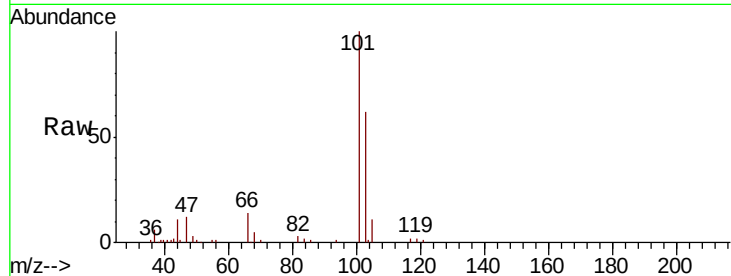
103 62.4 53.7 80.5

Manual Integrations

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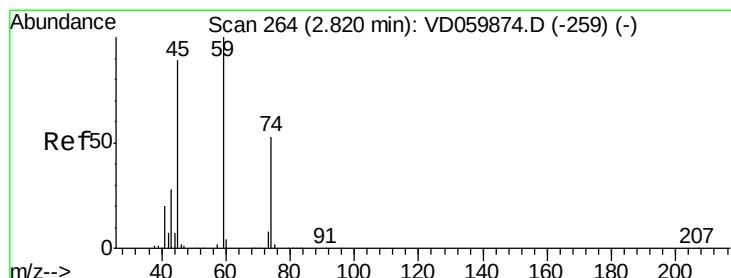
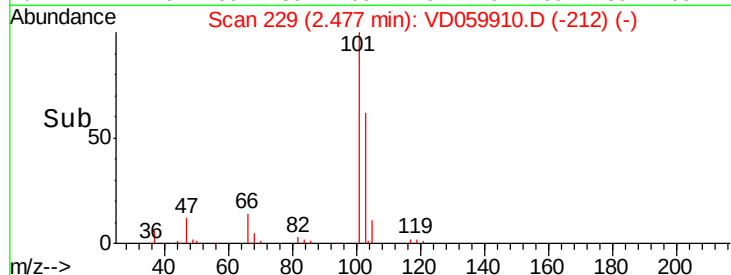
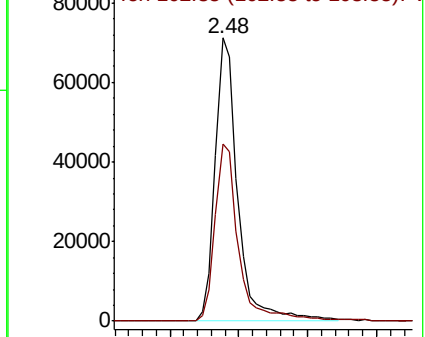
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 19.39 ug/l

RT: 2.81 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD059910.D

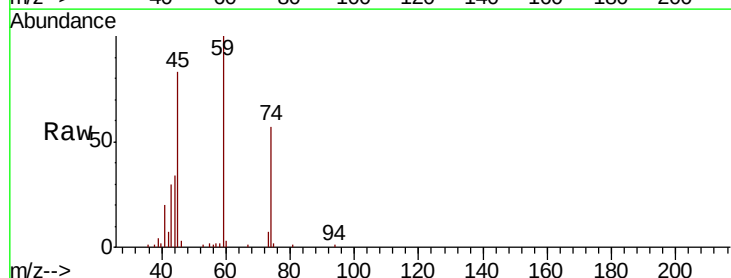
Acq: 27 Aug 2018 12:33

Tgt Ion: 74 Resp: 39404

Ion Ratio Lower Upper

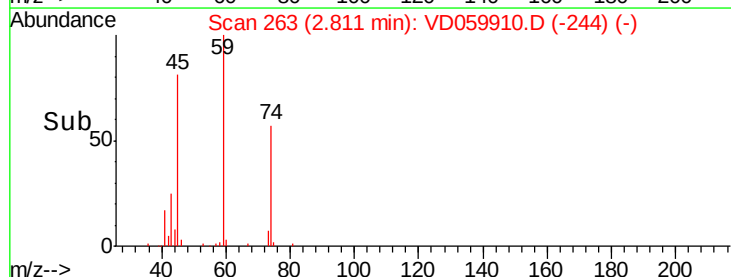
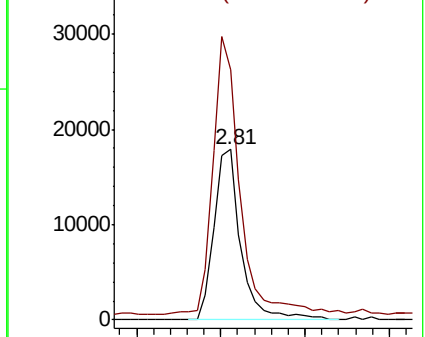
74 100

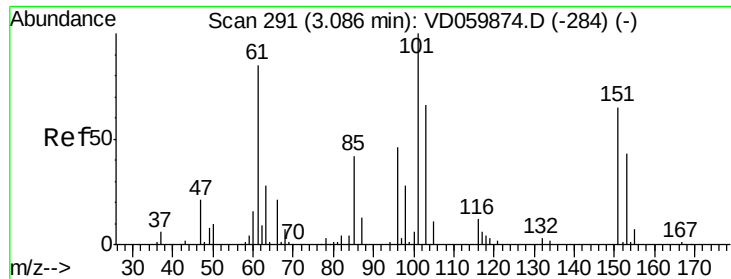
45 146.5 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.28 ug/l

RT: 3.07 min Scan# 289

Delta R.T. -0.02 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

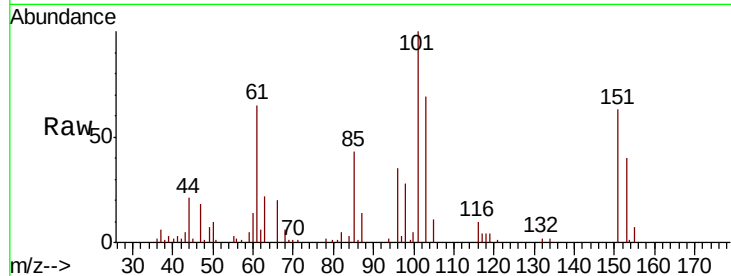
ClientSampleId :

VD0827SBS01

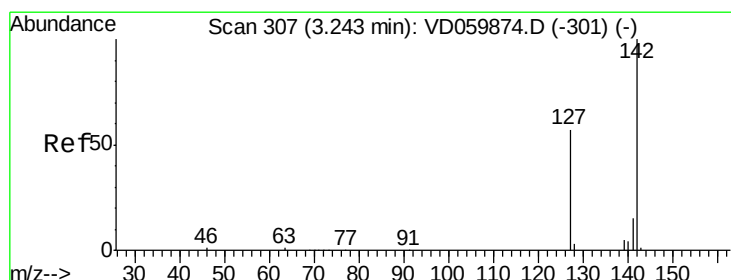
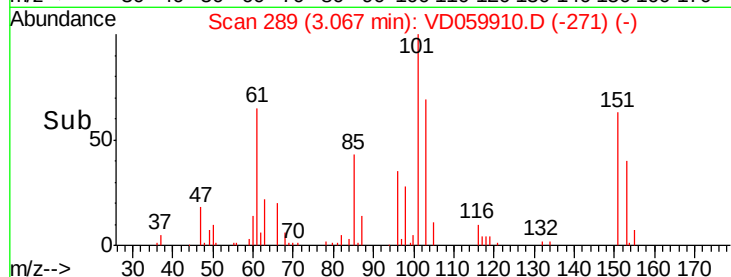
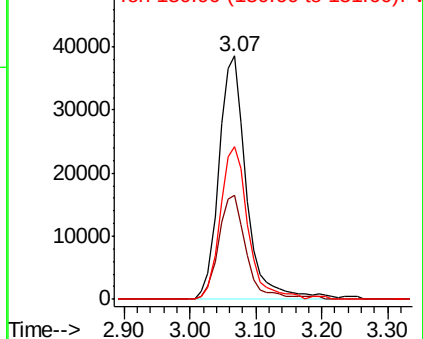
Tot Ion:	101	Resp:	112521
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.6	50.4
151	62.9	52.0	78.0

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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: 15.86 ug/l

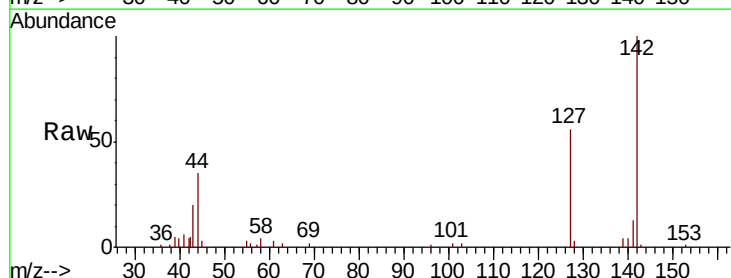
RT: 3.21 min Scan# 304

Delta R.T. -0.03 min

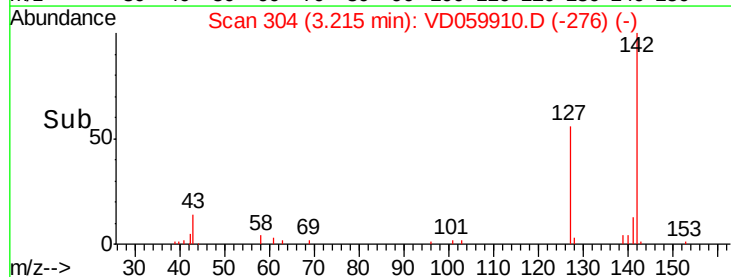
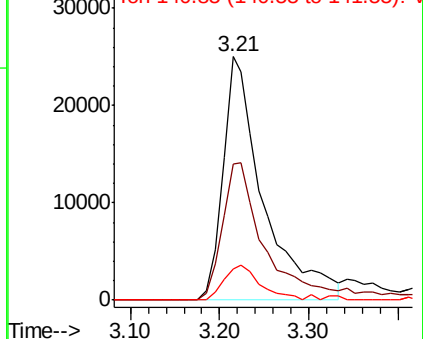
Lab File: VD059910.D

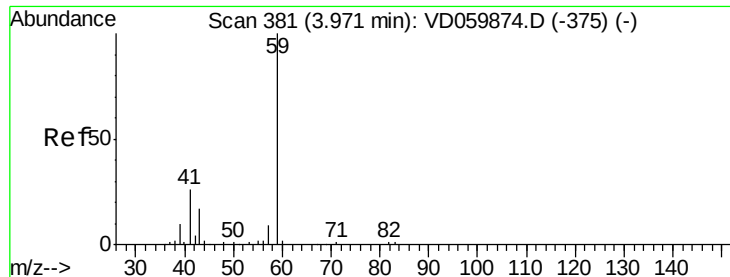
Acq: 27 Aug 2018 12:33

Tgt Ion:	142	Resp:	78699
Ion Ratio	Lower	Upper	
142	100		
127	55.7	45.8	68.6
141	13.0	11.6	17.4



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

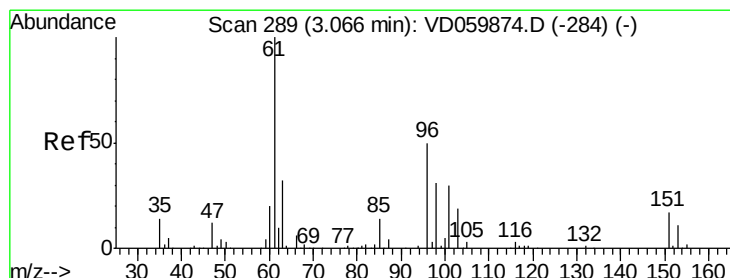
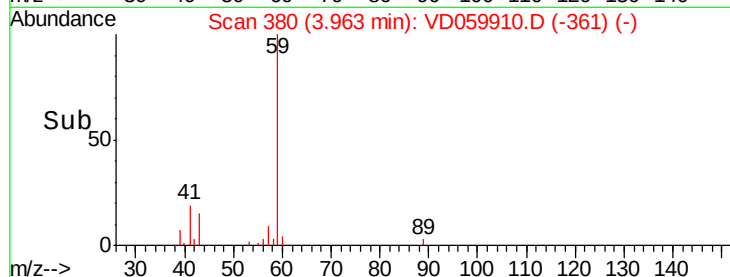
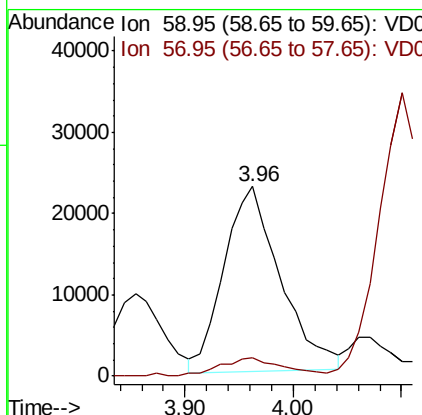
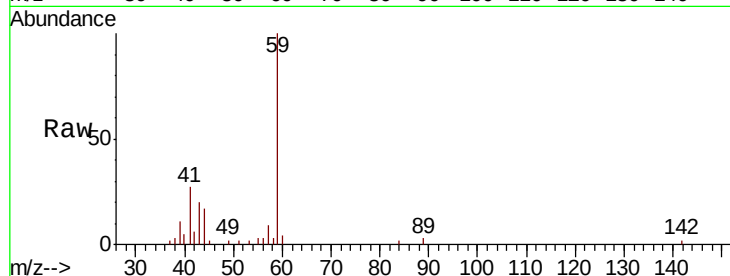
Tert butyl alcohol
Concen: 104.76 ug/l
RT: 3.96 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	59	Resp	83099
Ion Ratio	100	Lower	Upper
57	9.4	7.4	11.0

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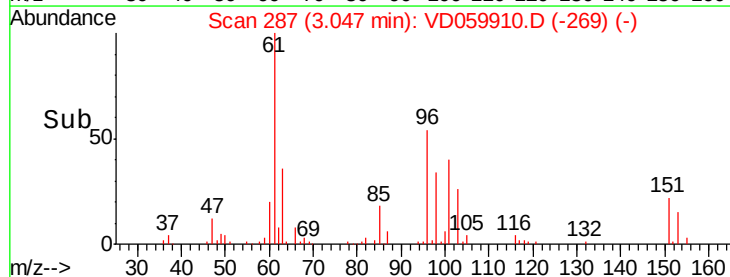
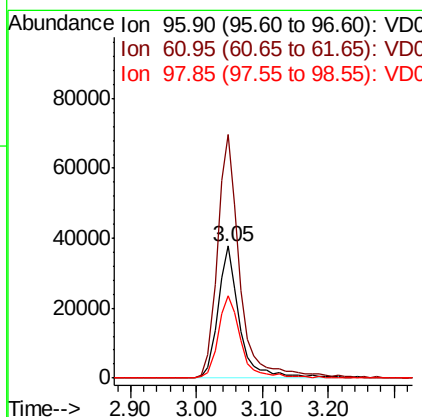
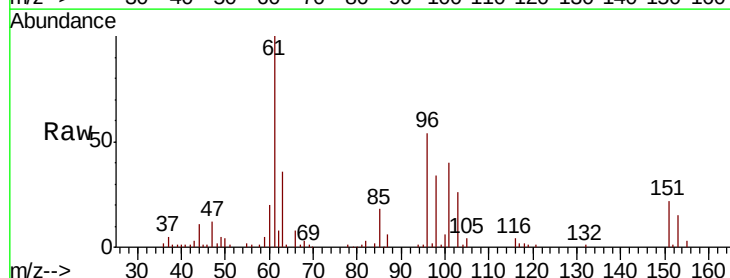
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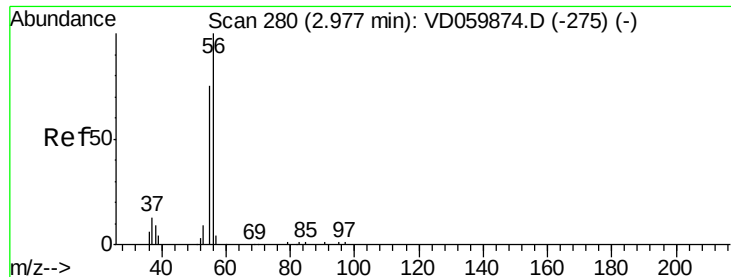


#12

1,1-Dichloroethene
Concen: 19.79 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion	96	Resp	85479
Ion Ratio	100	Lower	Upper
61	184.7	158.8	238.2
98	62.0	48.7	73.1





#13

Acrolein

Concen: 88.37 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 56 Resp: 30402

Ion Ratio Lower Upper

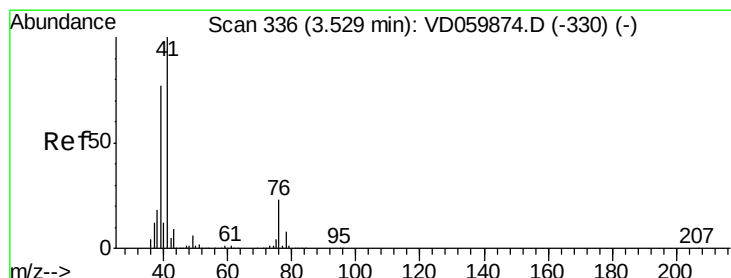
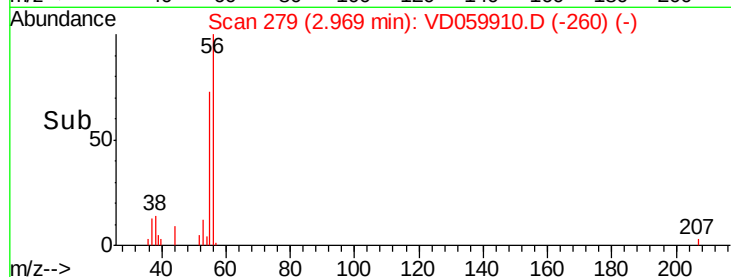
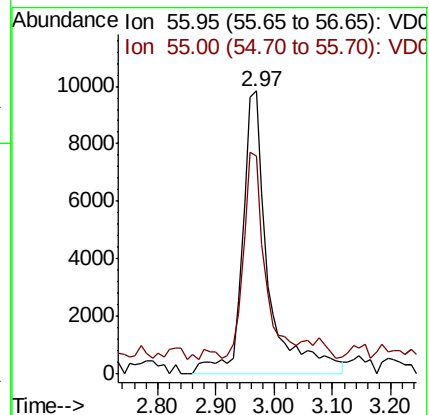
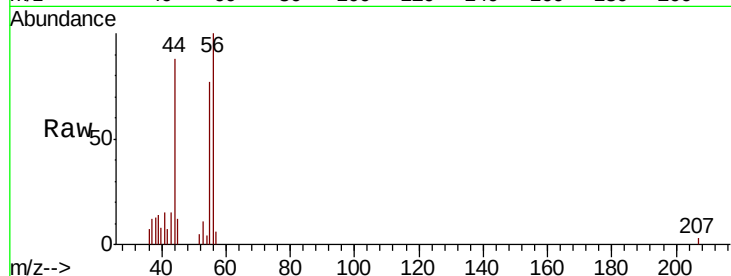
56 100

55 77.0 61.9 92.9

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#14

Allyl chloride

Concen: 19.32 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.02 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

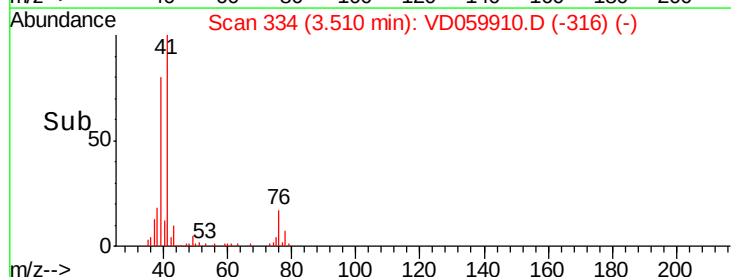
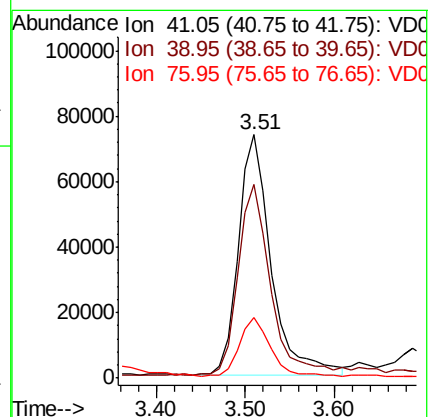
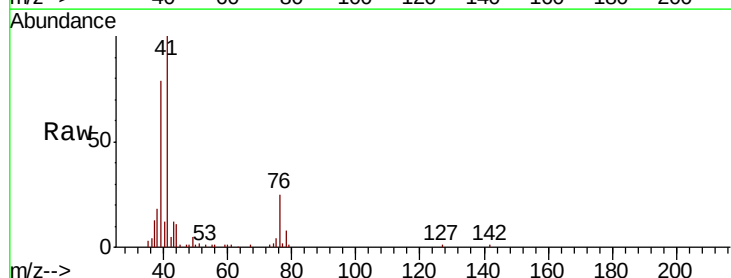
Tgt Ion: 41 Resp: 188756

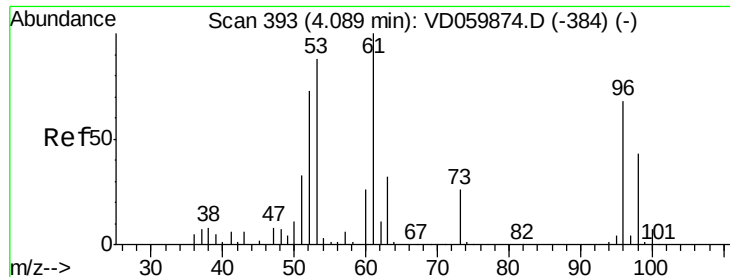
Ion Ratio Lower Upper

41 100

39 79.4 61.8 92.6

76 25.0 19.4 29.2





#15

Acrylonitrile

Concen: 99.30 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

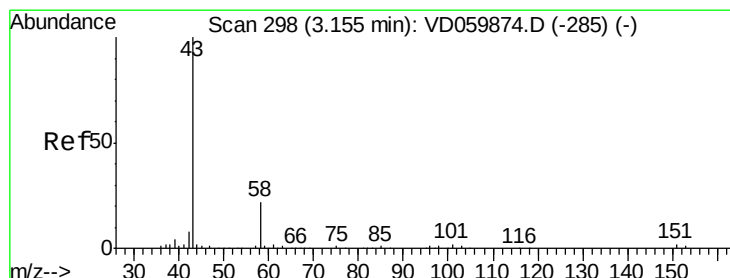
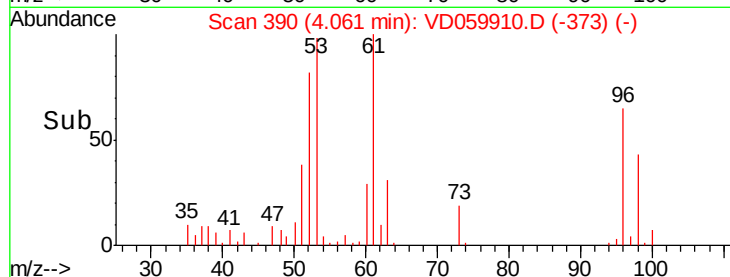
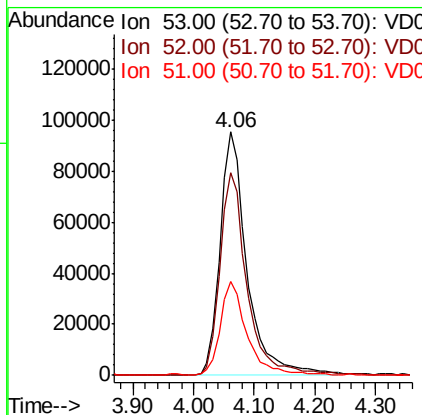
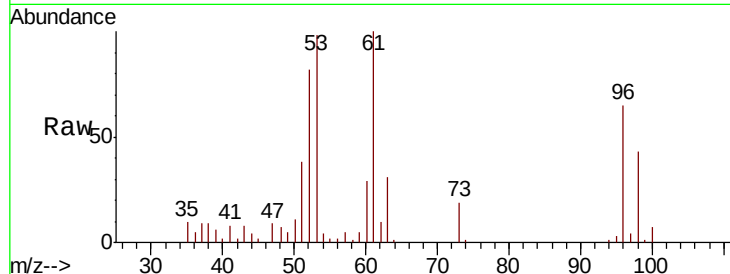
ClientSampleId :

VD0827SBS01

Tot Ion:	53	Resp:	294940
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.9	100.3
51	38.6	30.3	45.5

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#16

Acetone

Concen: 91.51 ug/l

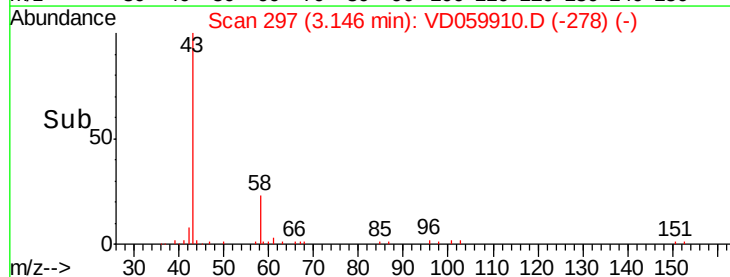
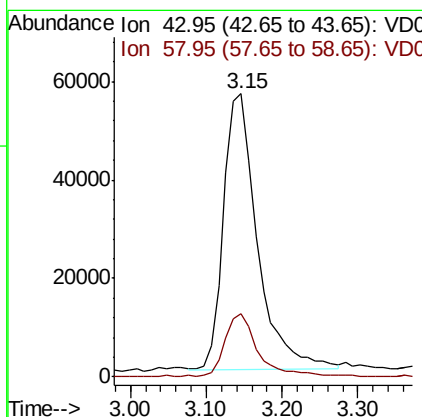
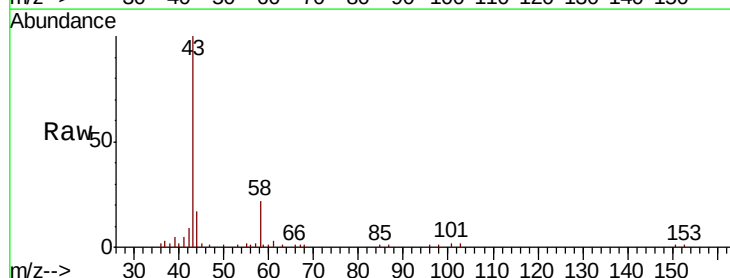
RT: 3.15 min Scan# 297

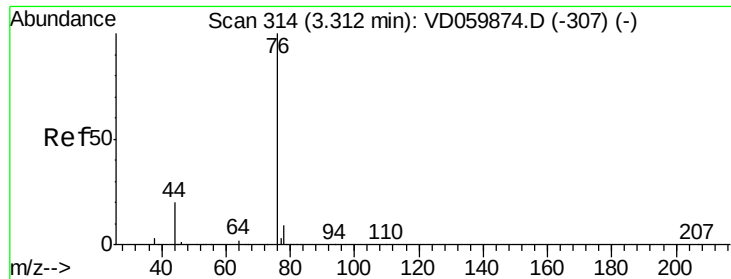
Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Tgt Ion:	43	Resp:	173310
Ion Ratio	Lower	Upper	
43	100		
58	22.5	17.6	26.4





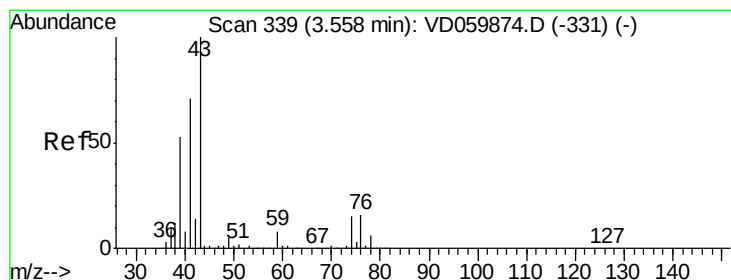
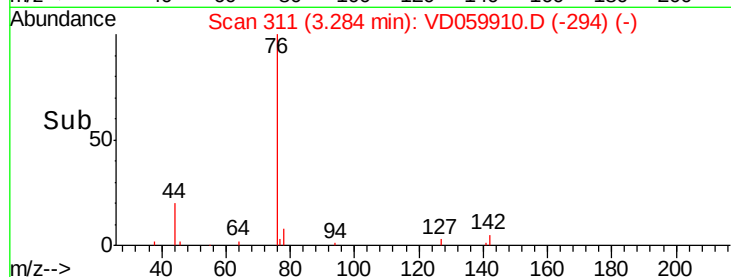
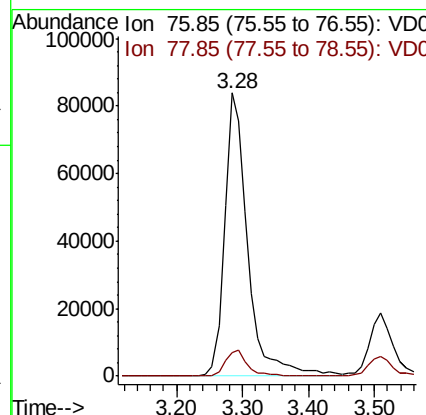
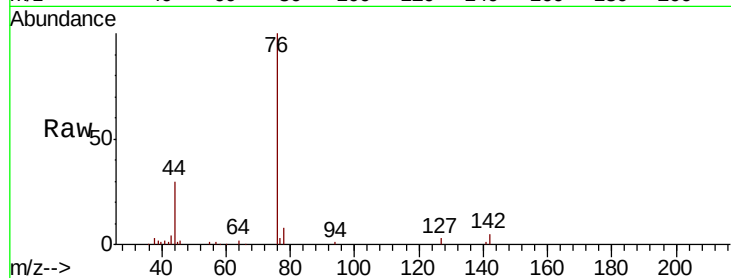
#17
Carbon Disulfide
Concen: 15.26 ug/l
RT: 3.28 min Scan# 311
Delta R.T. -0.03 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

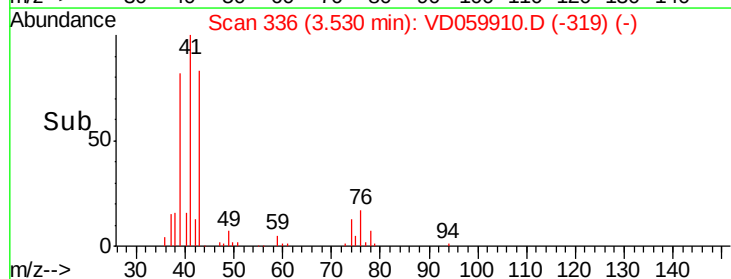
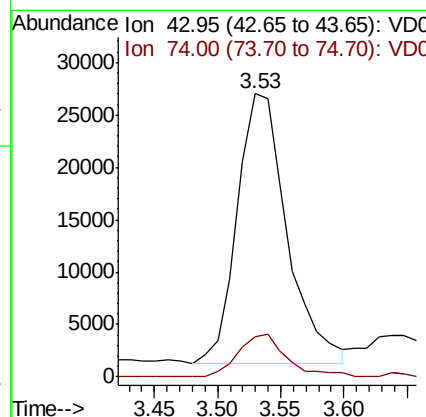
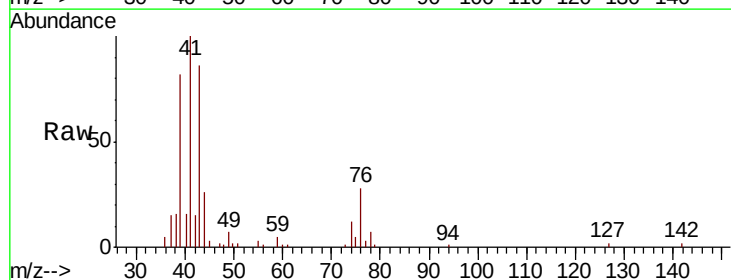
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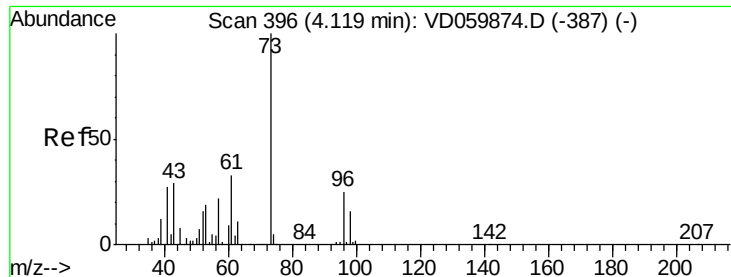
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#18
Methyl Acetate
Concen: 17.75 ug/l
RT: 3.53 min Scan# 336
Delta R.T. -0.03 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.3	11.2	16.8





#19

Methyl tert-butyl Ether

Concen: 19.56 ug/l

RT: 4.10 min Scan# 394

Delta R.T. -0.02 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Tot Ion: 73 Resp: 477864

Ion Ratio Lower Upper

73 100

57 23.8 17.9 26.9

Instrument :

MSVOA_D

ClientSampleId :

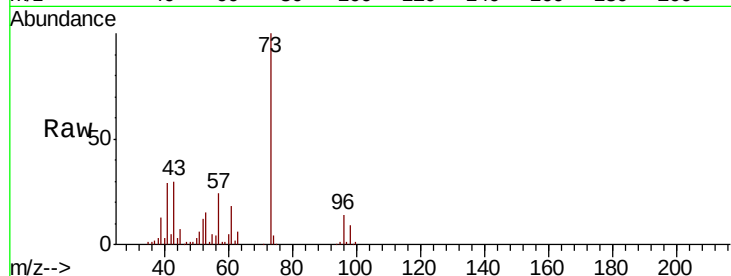
VD0827SBS01

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Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

150000

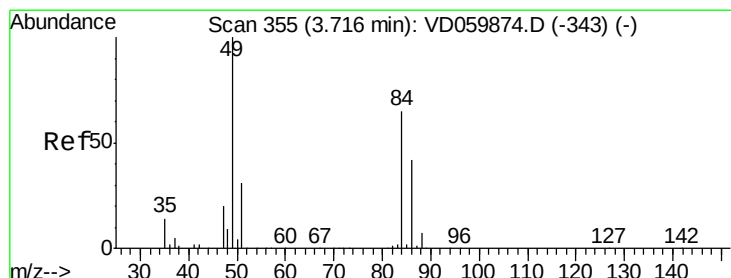
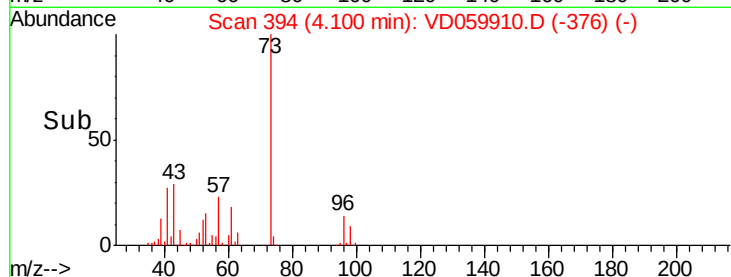
100000

50000

0

3.90 4.00 4.10 4.20 4.30

Time-->



#20

Methylene Chloride

Concen: 19.11 ug/l

RT: 3.70 min Scan# 353

Delta R.T. -0.02 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Tgt Ion: 84 Resp: 270576

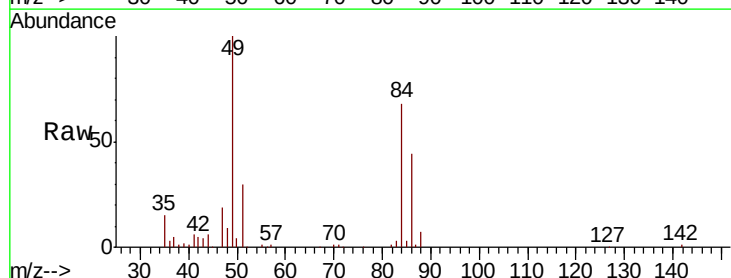
Ion Ratio Lower Upper

84 100

49 147.5 122.6 183.8

51 44.0 38.4 57.6

86 65.5 51.5 77.3



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

200000

150000

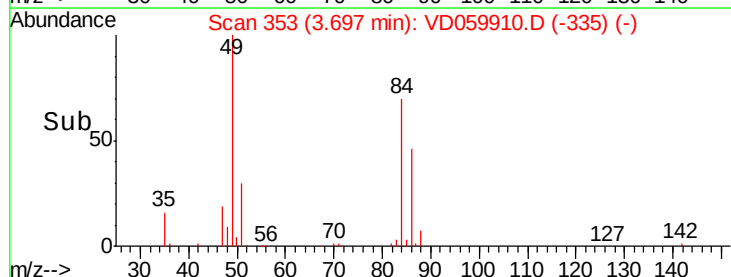
100000

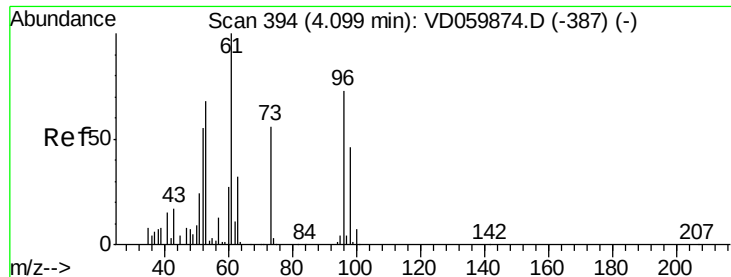
50000

0

3.50 3.60 3.70 3.80 3.90

Time-->





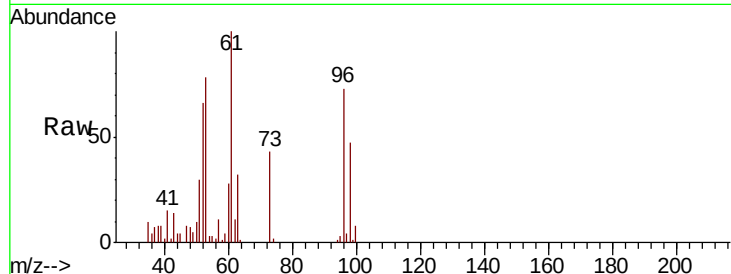
#21
trans-1,2-Dichloroethene
Concen: 17.81 ug/l
RT: 4.07 min Scan# 391
Delta R.T. -0.03 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.9	110.2	165.4
98	64.4	50.9	76.3

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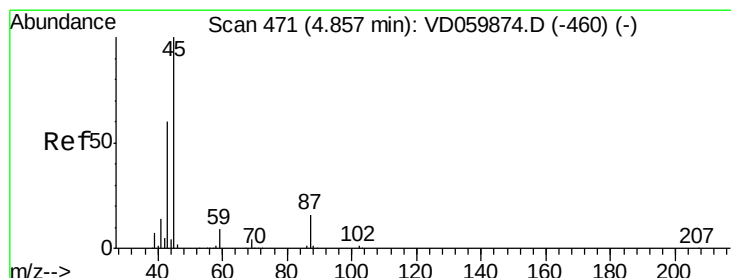
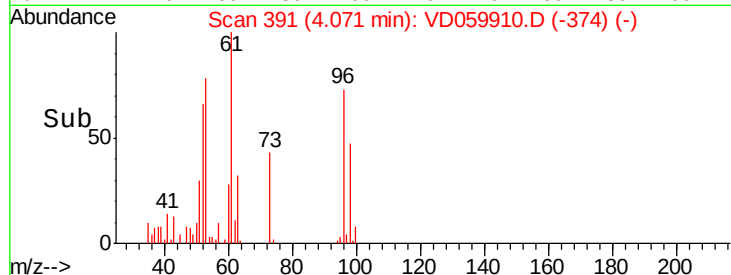
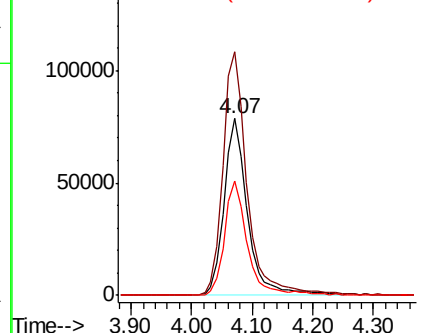


Abundance

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: 19.77 ug/l
RT: 4.84 min Scan# 469
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.3	48.6	72.8
87	16.8	13.3	19.9
59	9.0	7.1	10.7

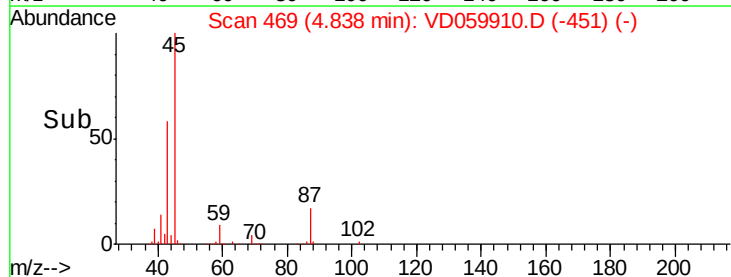
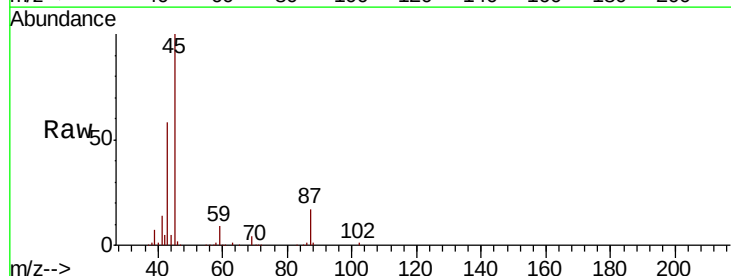
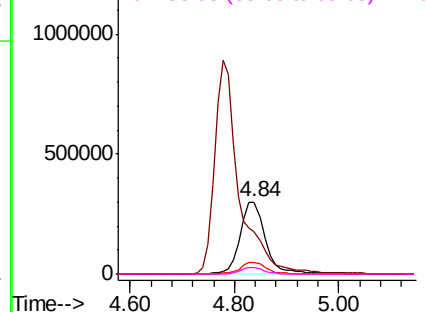
Abundance

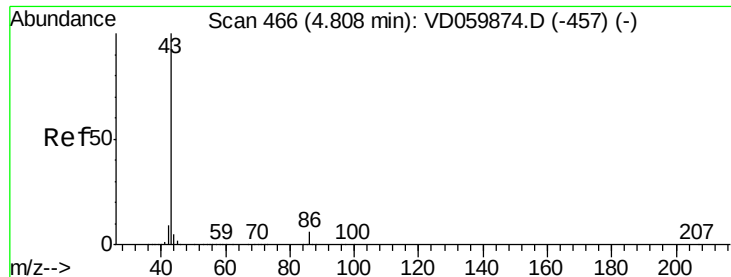
Ion 45.05 (44.75 to 45.75): VDC

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: 103.35 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 43 Resp: 2879238

Ion Ratio Lower Upper

43 100

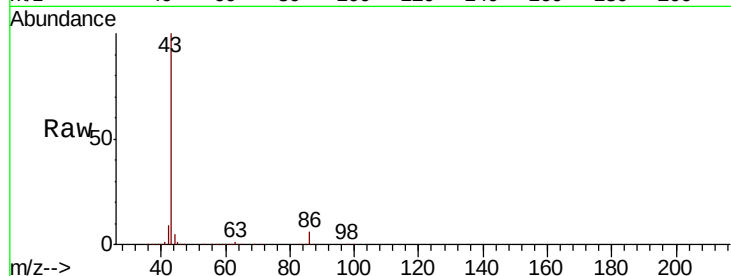
86 5.9 5.0 7.6

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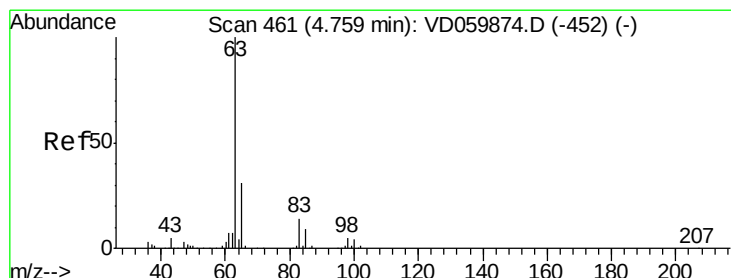
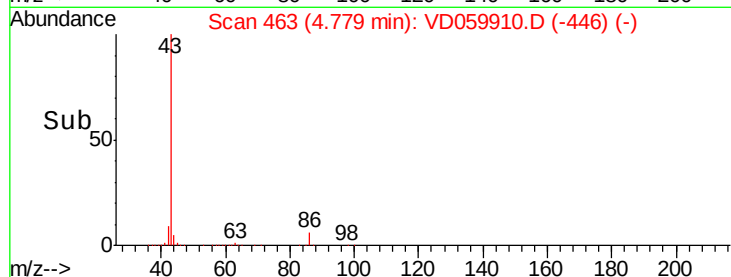
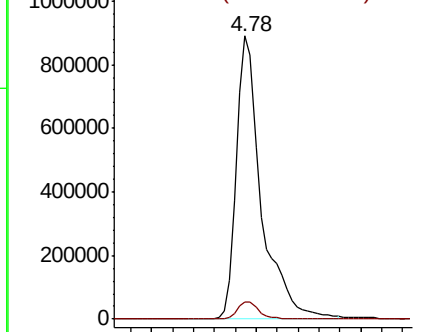
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.10 ug/l

RT: 4.73 min Scan# 458

Delta R.T. -0.03 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

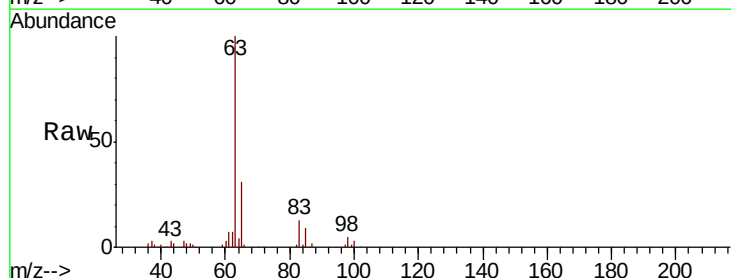
Tgt Ion: 63 Resp: 411236

Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

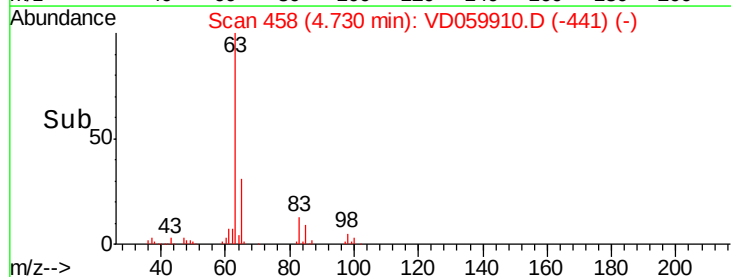
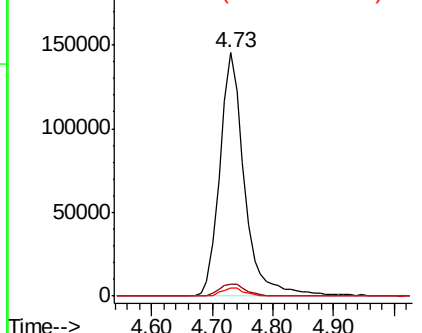
100 3.1 1.8 5.3

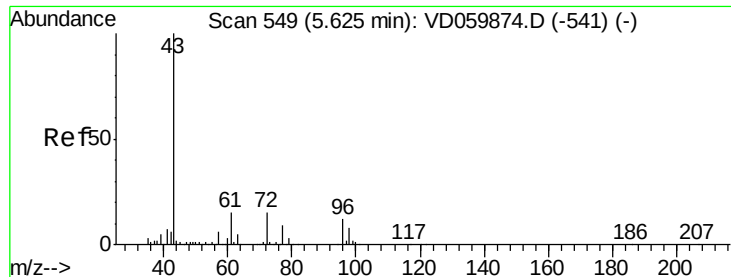


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 86.74 ug/l

RT: 5.61 min Scan# 547

Delta R.T. -0.02 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 43 Resp: 486534

Ion Ratio Lower Upper

43 100

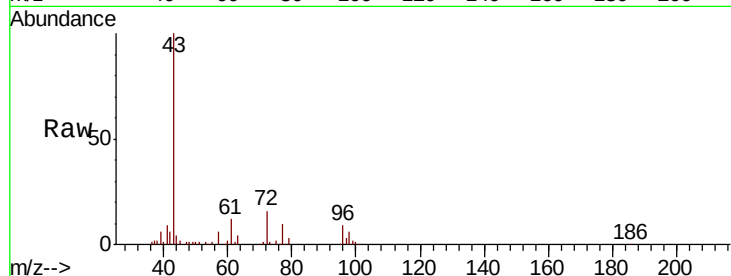
72 15.8 12.3 18.5

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

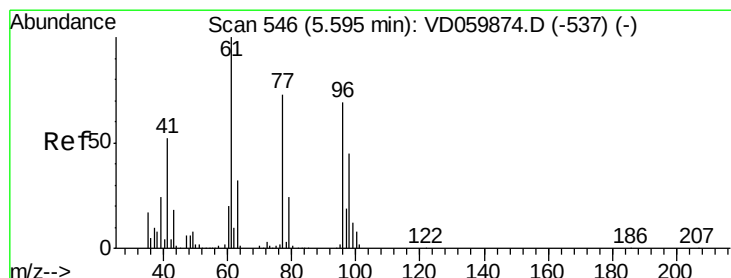
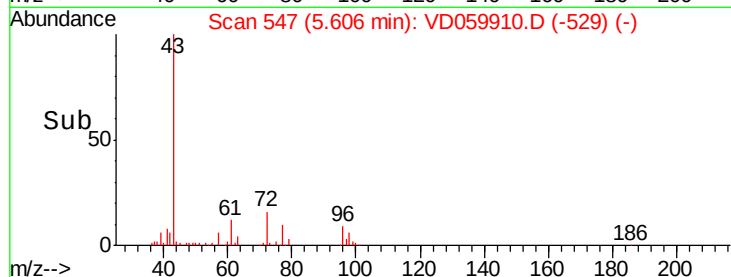
100000

50000

0

5.50 5.55 5.60 5.65

Time-->



#26

2,2-Dichloropropane

Concen: 19.04 ug/l

RT: 5.57 min Scan# 543

Delta R.T. -0.03 min

Lab File: VD059910.D

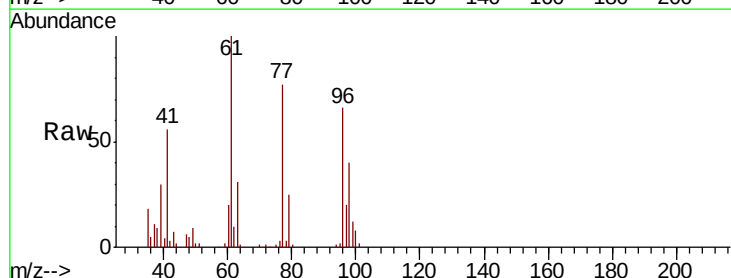
Acq: 27 Aug 2018 12:33

Tgt Ion: 77 Resp: 342748

Ion Ratio Lower Upper

77 100

97 25.8 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

120000

100000

80000

60000

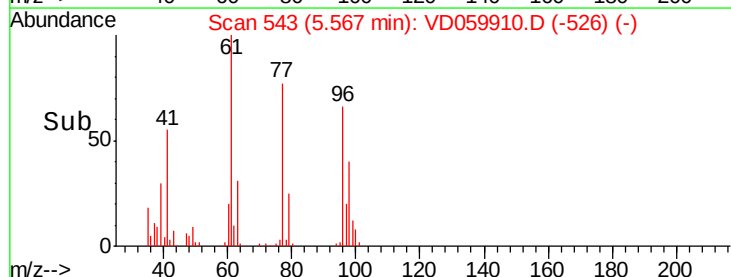
40000

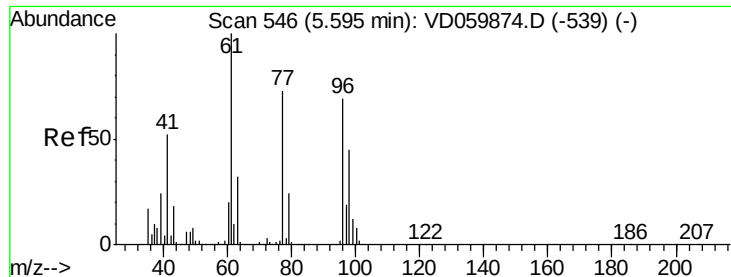
20000

0

5.40 5.50 5.60 5.70 5.80

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.37 ug/l

RT: 5.58 min Scan# 544

Delta R.T. -0.02 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

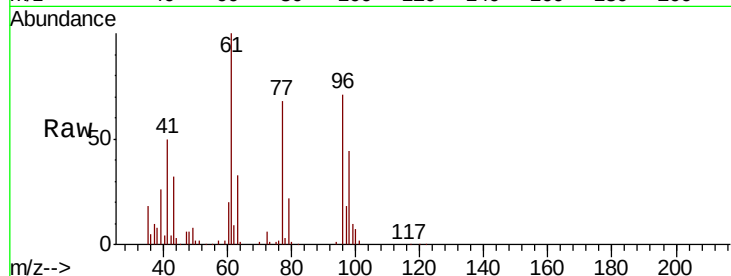
ClientSampleId :

VD0827SBS01

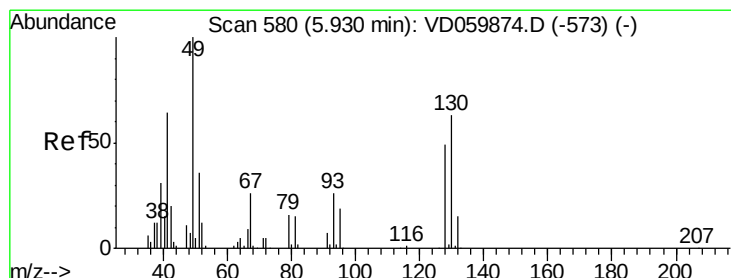
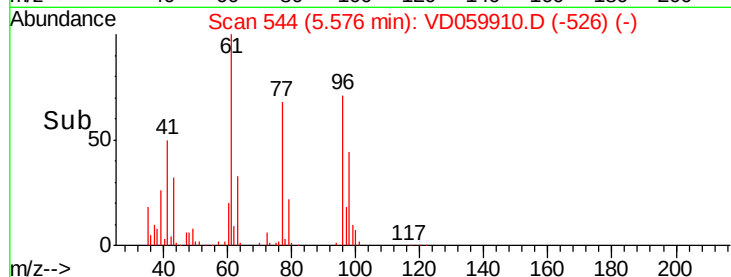
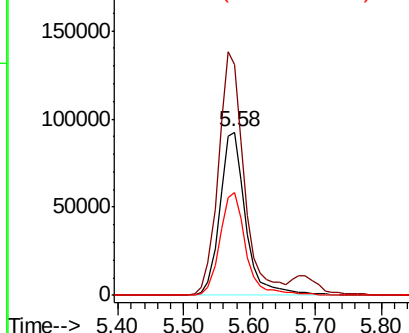
Tot Ion:	96	Resp:	252375
Ion Ratio	Lower	Upper	
96	100		
61	141.3	0.0	290.2
98	62.7	0.0	130.4

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



#28

Bromochloromethane

Concen: 20.47 ug/l

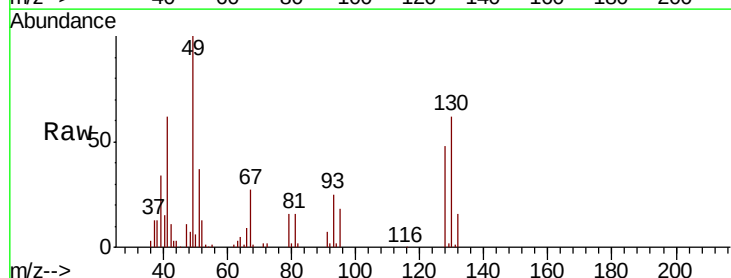
RT: 5.90 min Scan# 577

Delta R.T. -0.03 min

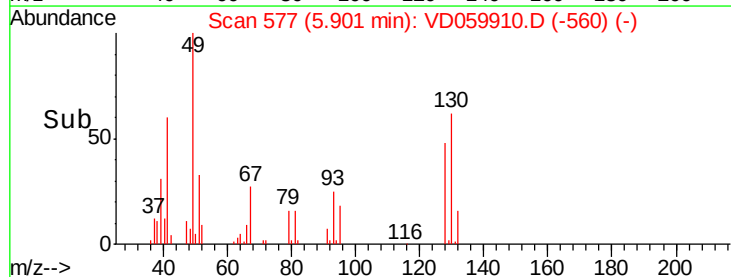
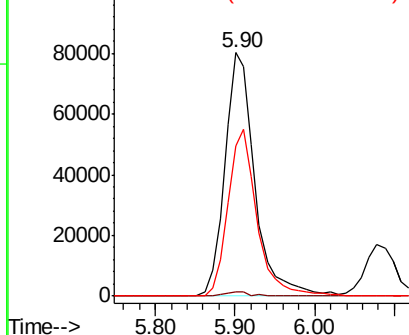
Lab File: VD059910.D

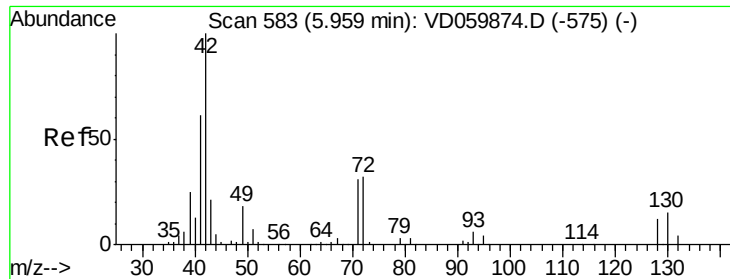
Acq: 27 Aug 2018 12:33

Tgt Ion:	49	Resp:	211264
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.2
130	61.8	50.6	75.8



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





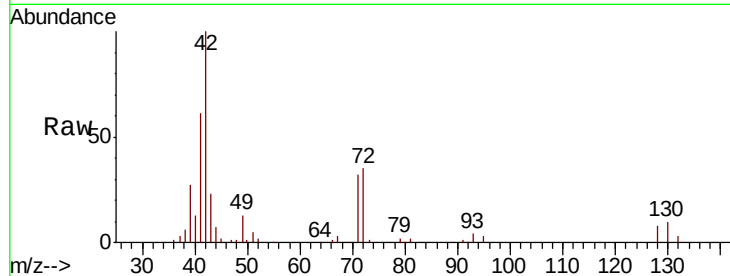
#29
Tetrahydrofuran
Concen: 101.91 ug/l
RT: 5.94 min Scan# 581
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

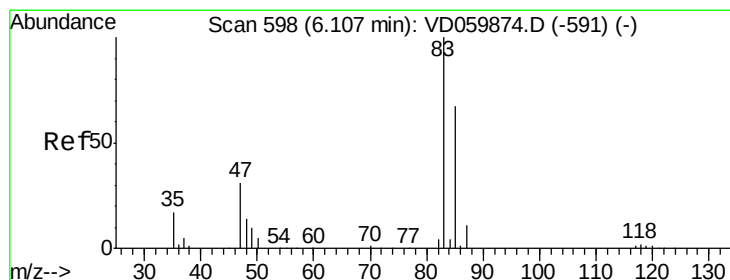
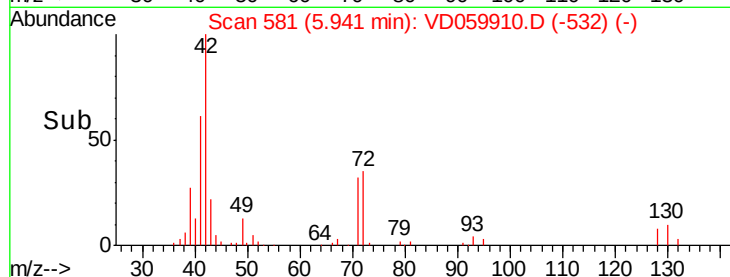
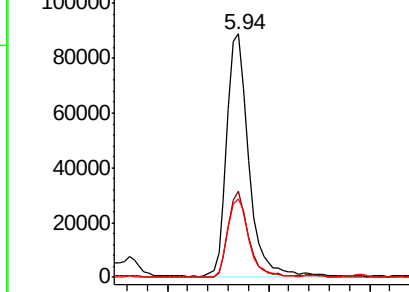
Tot Ion	Ratio	Lower	Upper
42	100		
72	31.7	25.7	38.5
71	30.8	25.3	37.9

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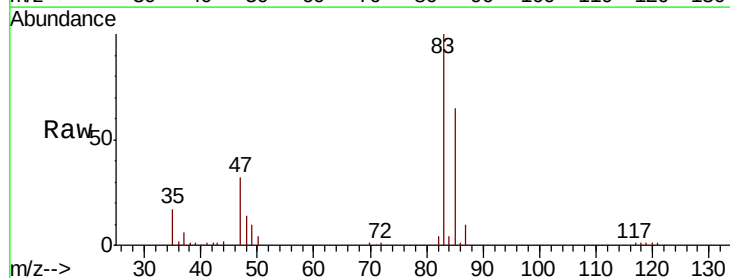


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

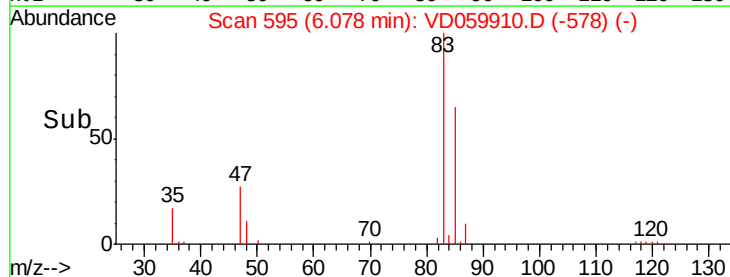
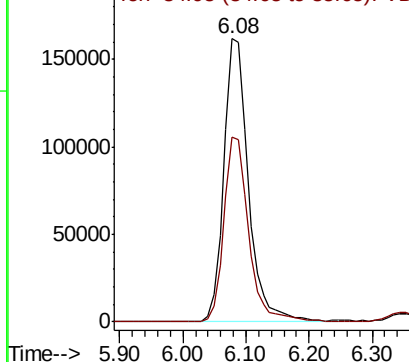


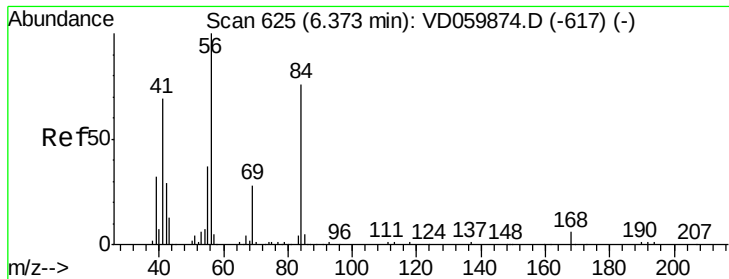
#30
Chloroform
Concen: 20.06 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.5	80.3



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





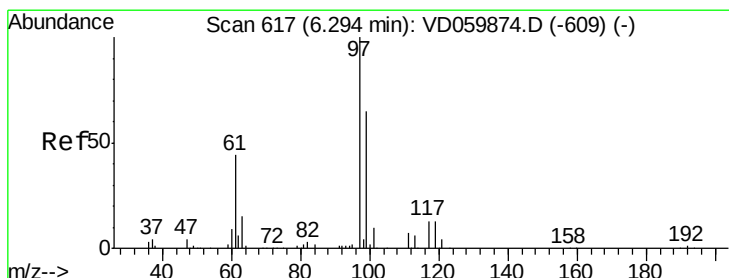
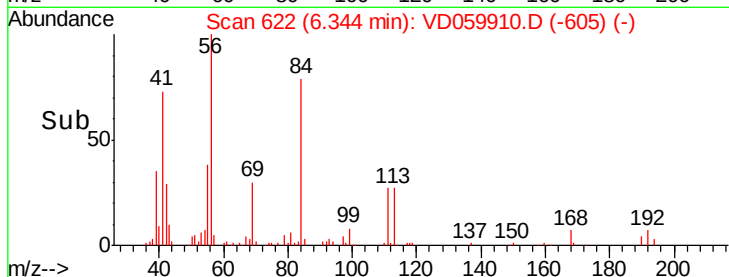
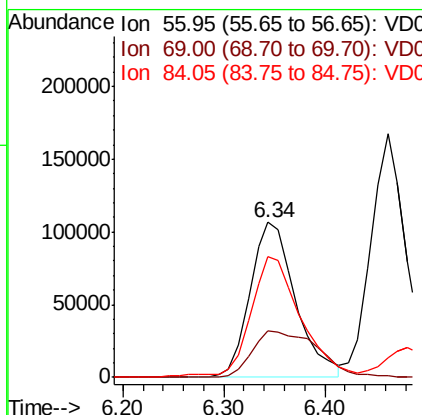
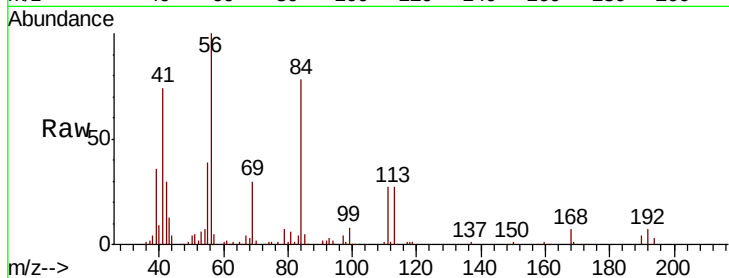
#31
Cyclohexane
Concen: 16.86 ug/l
RT: 6.34 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	22.4	33.6
84	78.4	62.1	93.1

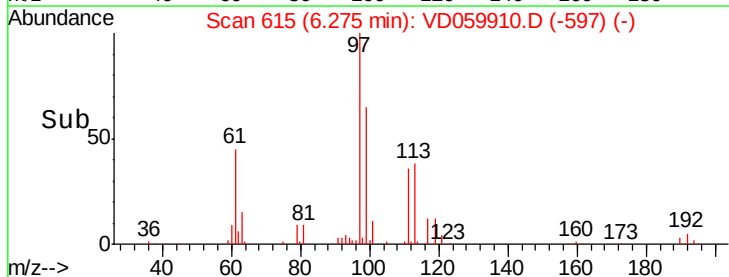
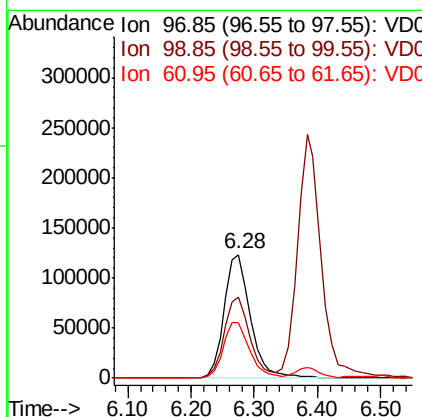
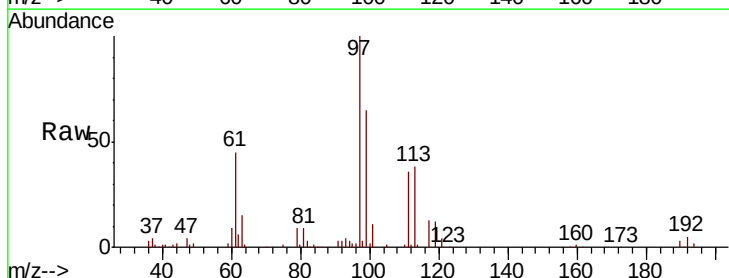
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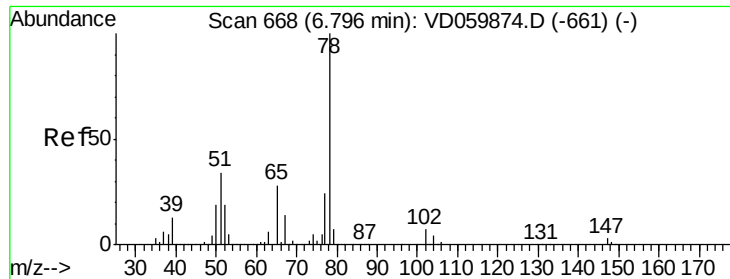
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#32
1,1,1-Trichloroethane
Concen: 19.33 ug/l
RT: 6.28 min Scan# 615
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.7	77.5
61	45.1	35.4	53.2





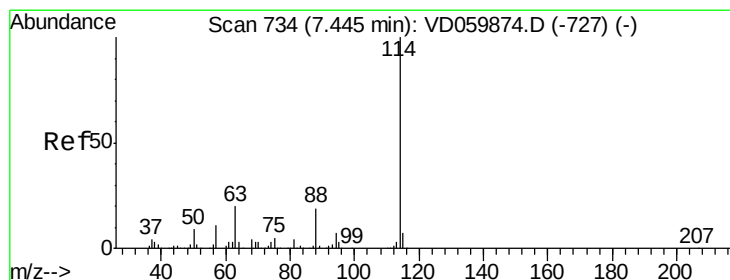
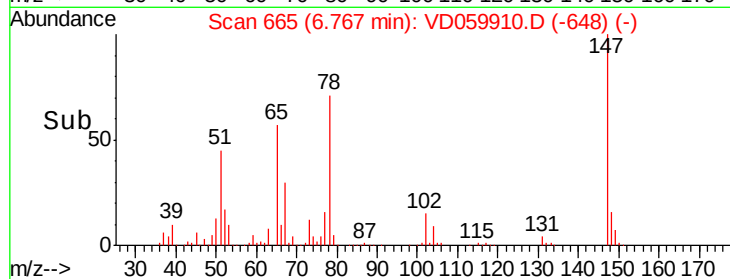
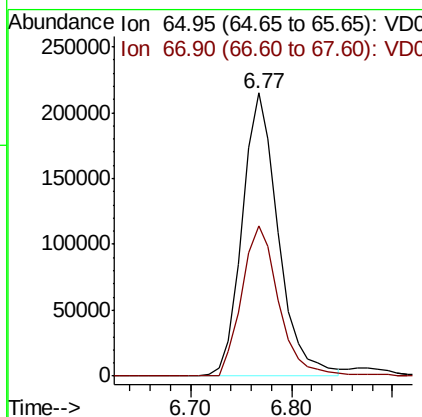
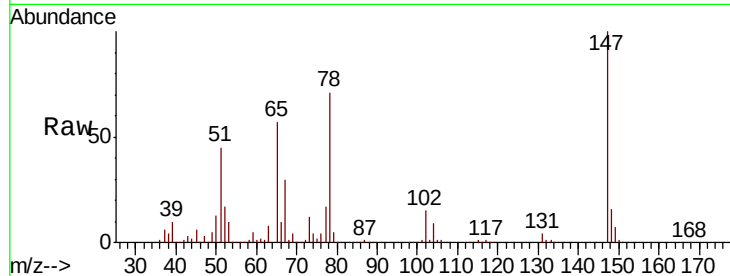
#33
 1,2-Dichloroethane-d4
 Concen: 19.33 ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	103.8	

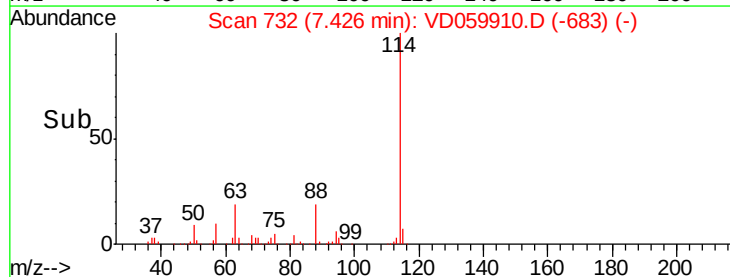
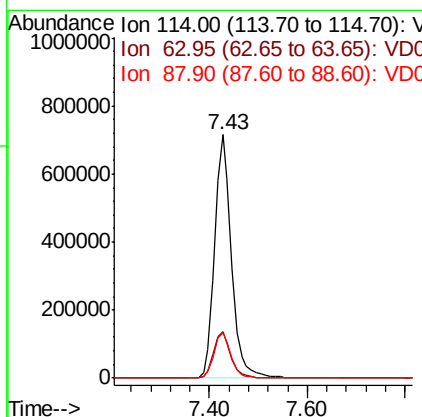
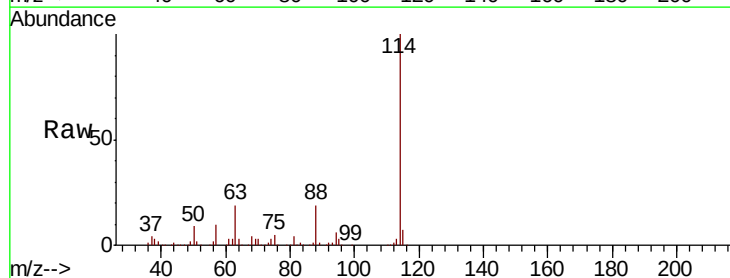
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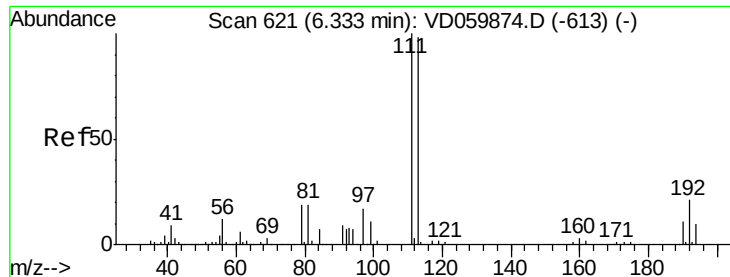
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	39.4	
88	18.8	0.0	37.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 618

Delta R.T. -0.03 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

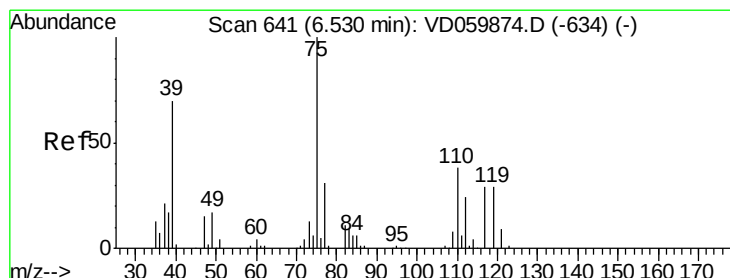
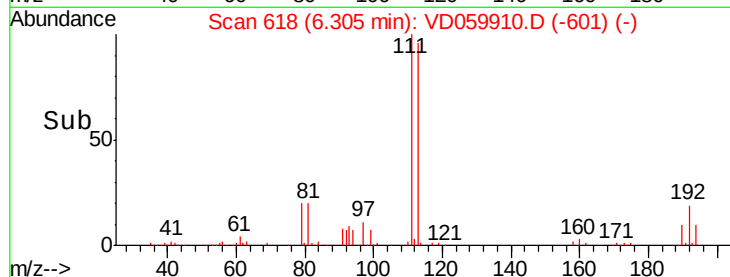
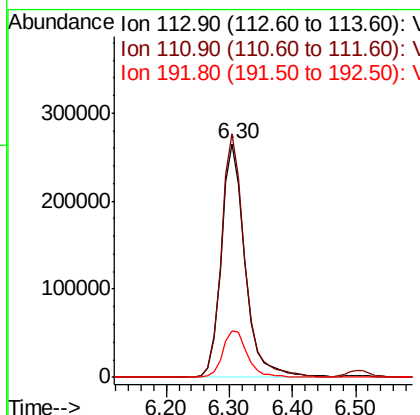
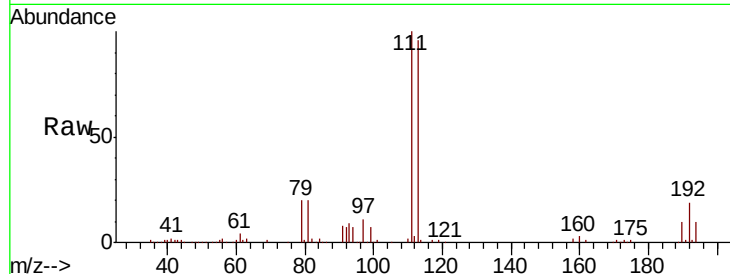
ClientSampleId :

VD0827SBS01

Tot Ion:	113	Resp:	695027
Ion Ratio	Lower	Upper	
113	100		
111	104.0	81.4	122.2
192	20.0	17.0	25.6

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#36

1,1-Dichloropropene

Concen: 18.77 ug/l

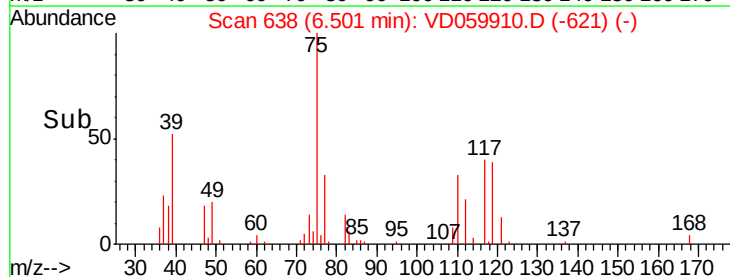
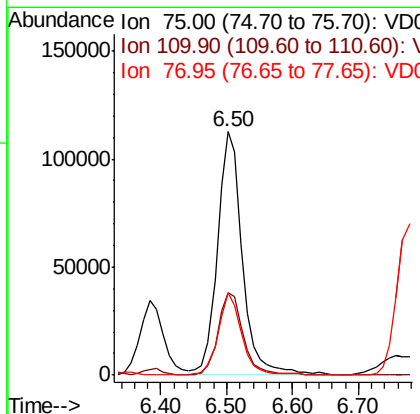
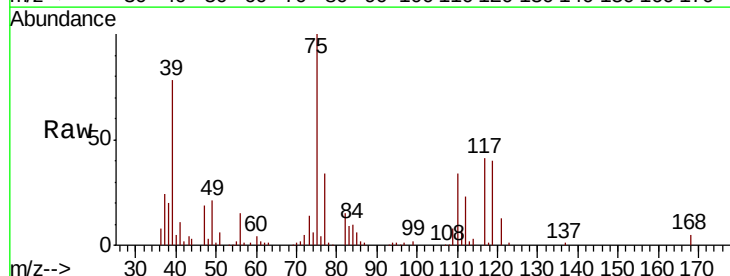
RT: 6.50 min Scan# 638

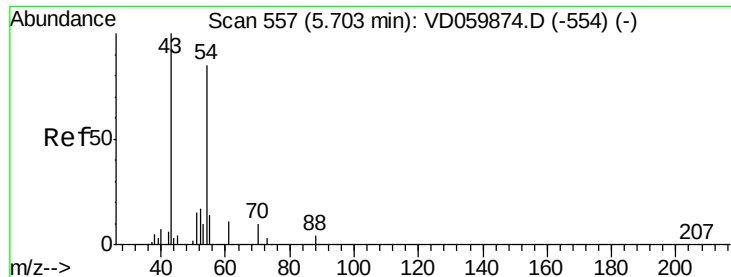
Delta R.T. -0.03 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Tgt Ion:	75	Resp:	292560
Ion Ratio	Lower	Upper	
75	100		
110	33.8	18.6	56.0
77	33.8	25.1	37.7





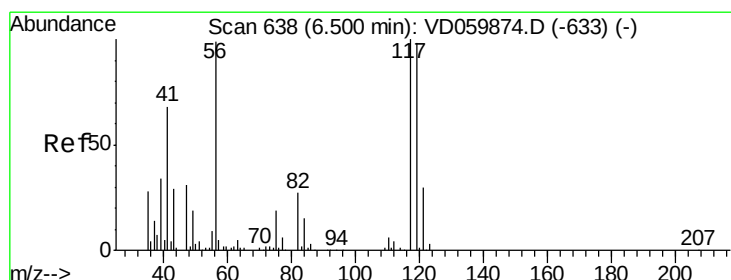
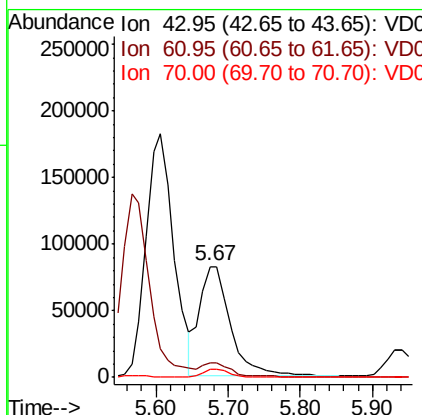
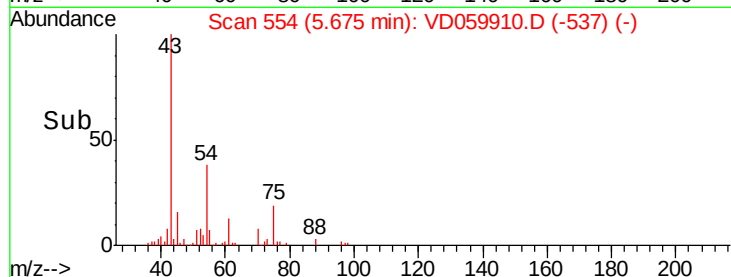
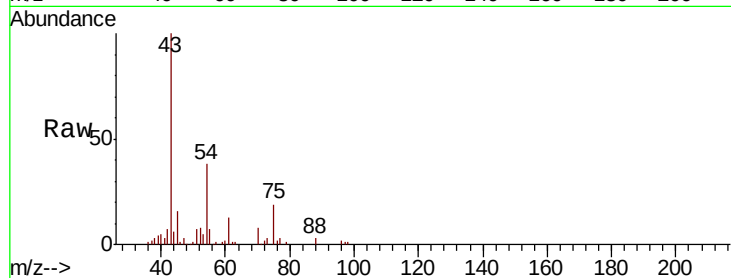
#37
Ethyl Acetate
Concen: 20.15 ug/l
RT: 5.67 min Scan# 554
Delta R.T. -0.03 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.0	16.6
70	7.8	5.7	8.5

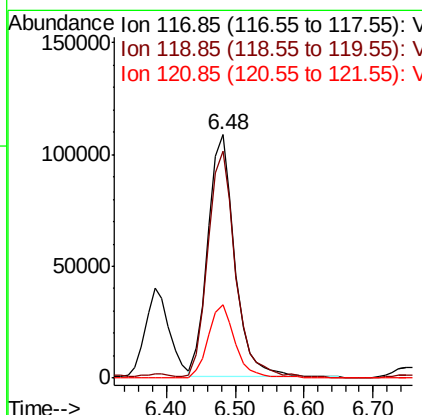
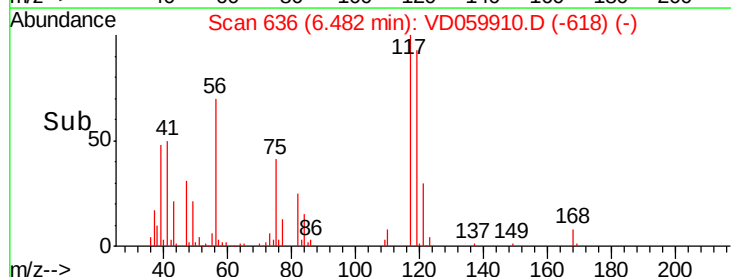
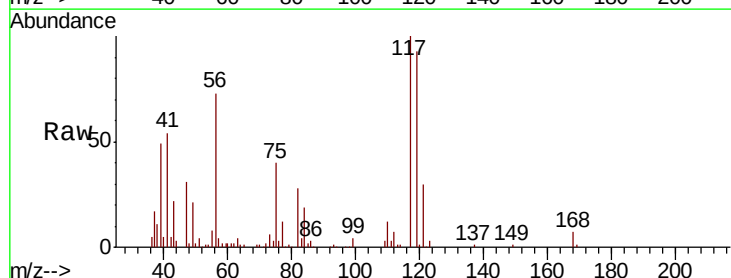
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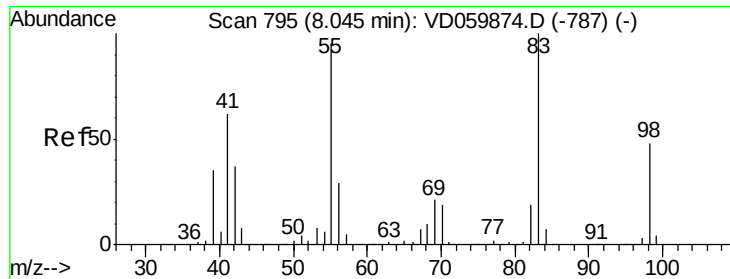
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#38
Carbon Tetrachloride
Concen: 18.74 ug/l
RT: 6.48 min Scan# 636
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.2	115.8
121	30.3	24.0	36.0





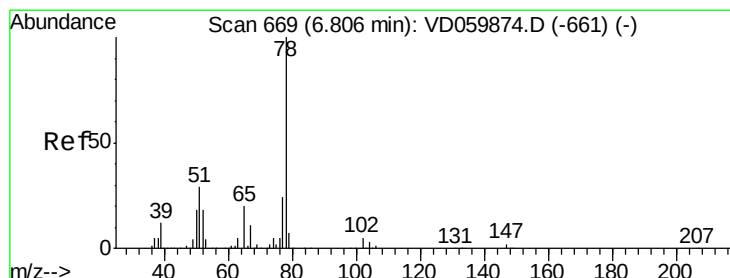
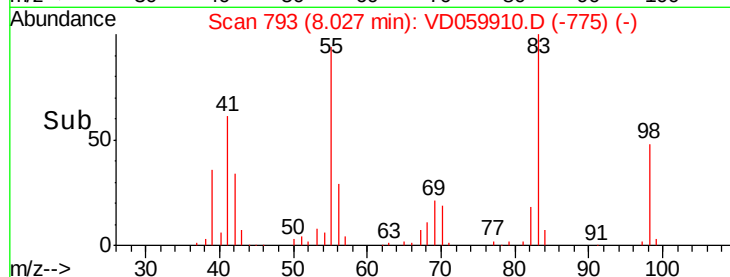
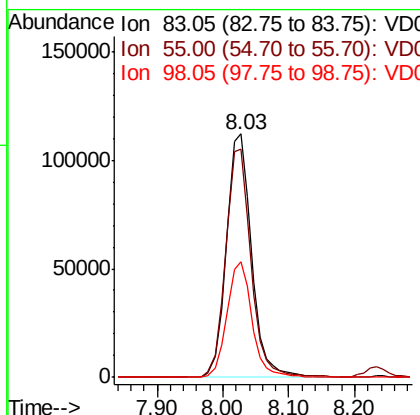
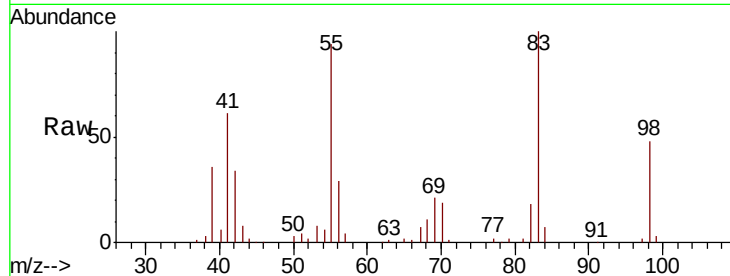
#39
Methylvlcyclohexane
Concen: 17.78 ug/l
RT: 8.03 min Scan# 793
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.5	75.8	113.6
98	47.5	38.3	57.5

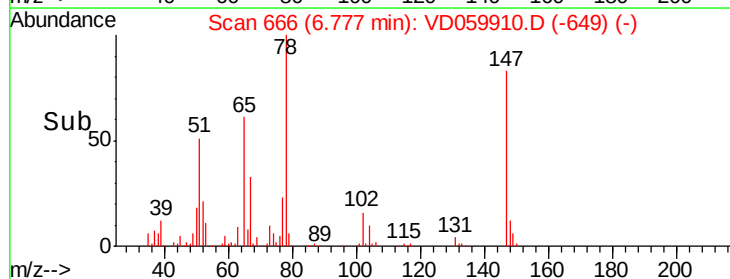
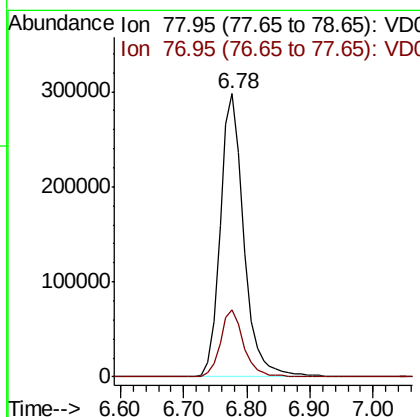
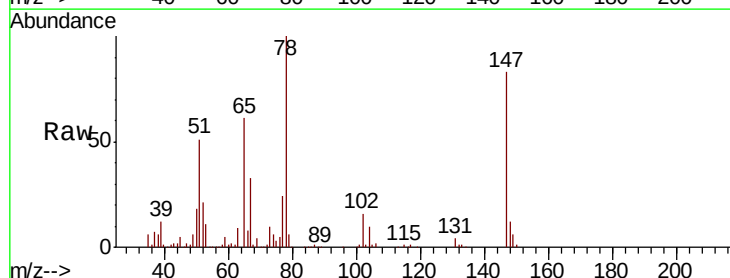
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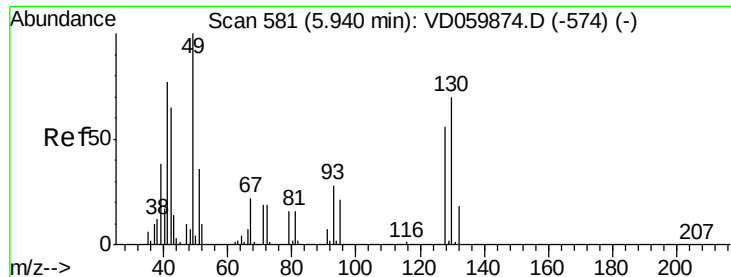
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#40
Benzene
Concen: 19.12 ug/l
RT: 6.78 min Scan# 666
Delta R.T. -0.03 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





#41

Methacrylonitrile

Concen: 18.03 ug/l m

RT: 5.91 min Scan# 578

Delta R.T. -0.03 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 41 Resp: 110161

Ion Ratio Lower Upper

41 100

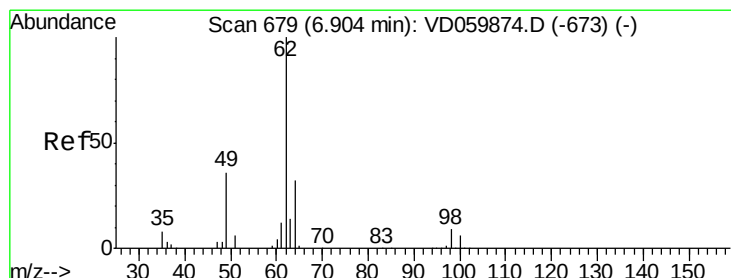
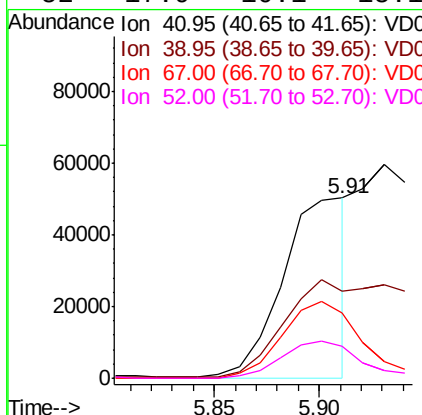
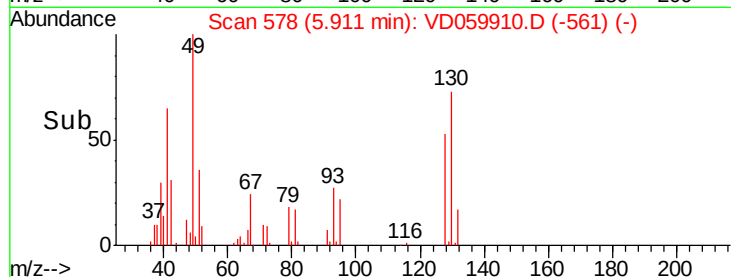
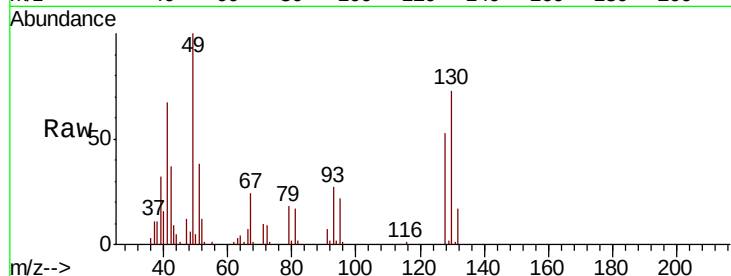
39 48.3 39.4 59.2

67 36.4 22.2 33.2#

52 17.9 10.1 15.1#

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#42

1,2-Dichloroethane

Concen: 19.81 ug/l

RT: 6.88 min Scan# 676

Delta R.T. -0.03 min

Lab File: VD059910.D

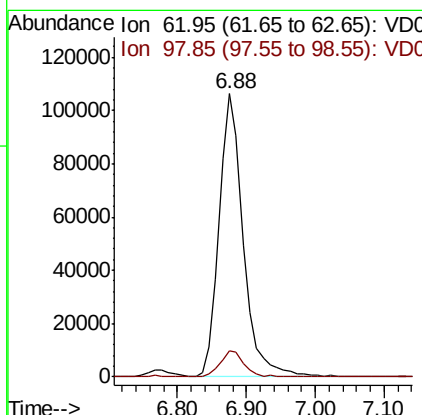
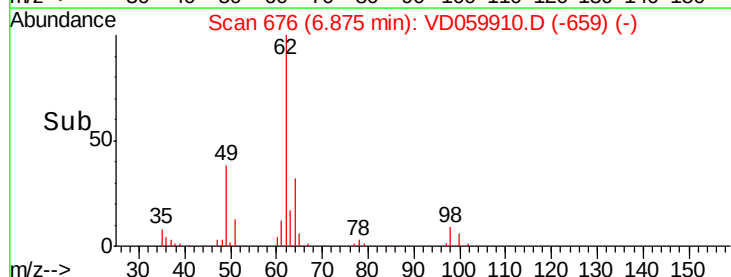
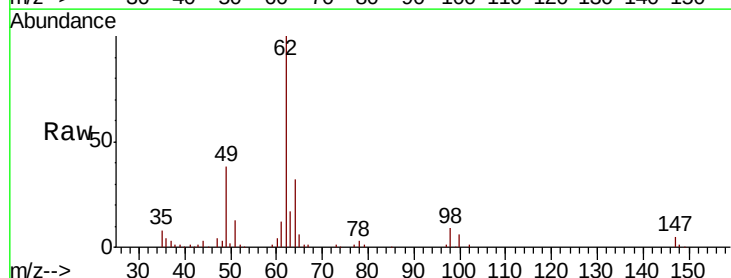
Acq: 27 Aug 2018 12:33

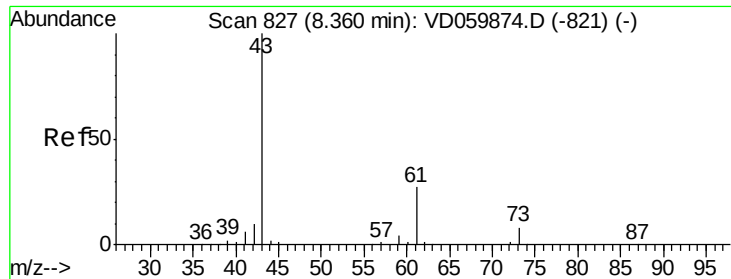
Tgt Ion: 62 Resp: 257810

Ion Ratio Lower Upper

62 100

98 9.4 0.0 18.4





#43

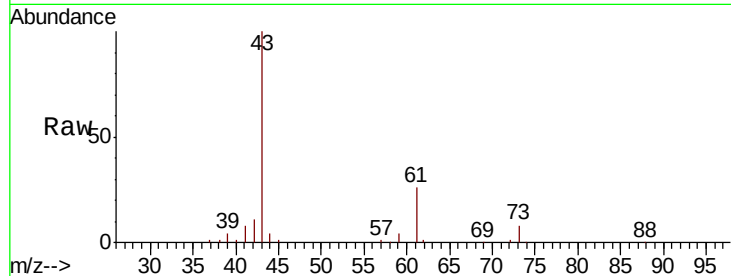
Isopropyl Acetate
 Concen: 19.74 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

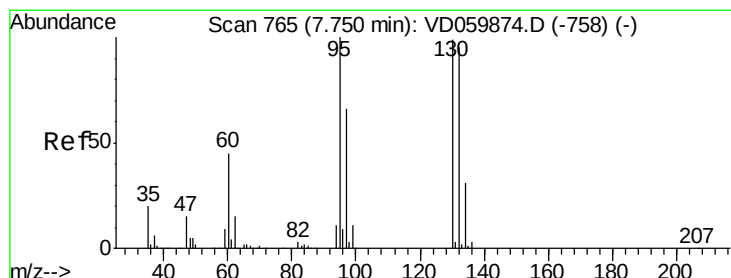
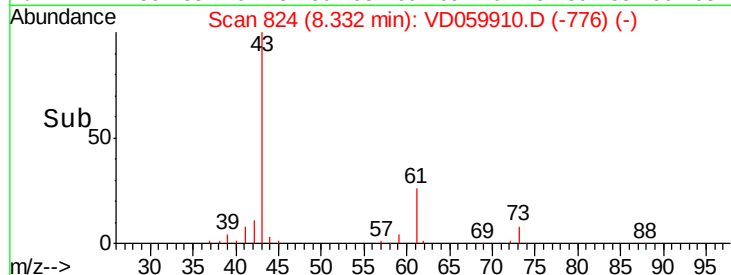
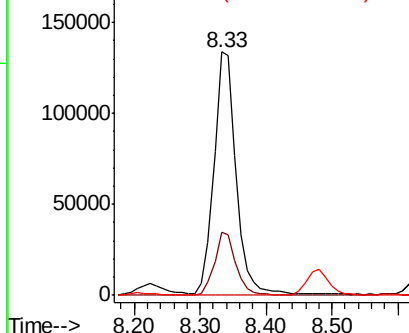
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	21.4	32.2
87	0.0	0.2	0.4

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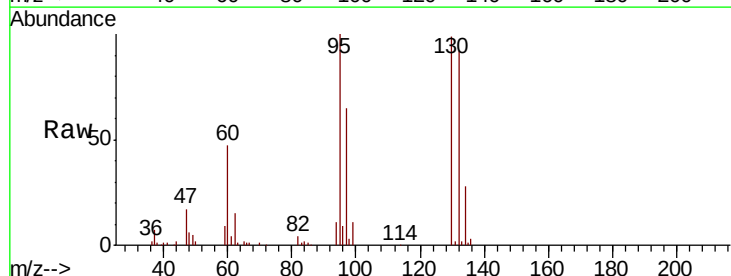
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



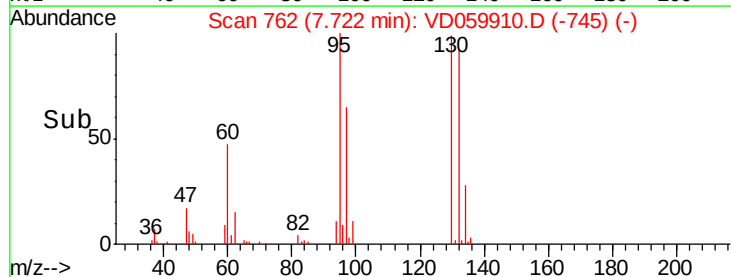
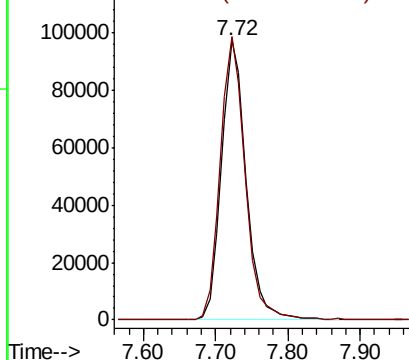
#44

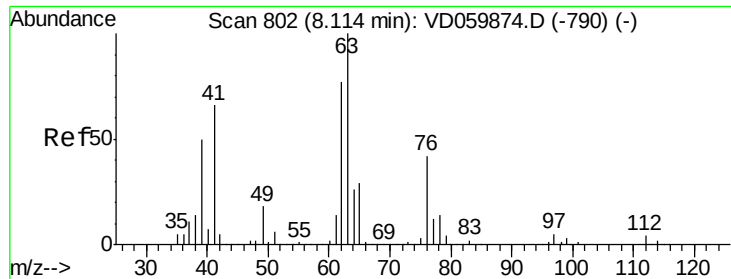
Trichloroethene
 Concen: 19.23 ug/l
 RT: 7.72 min Scan# 762
 Delta R.T. -0.03 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





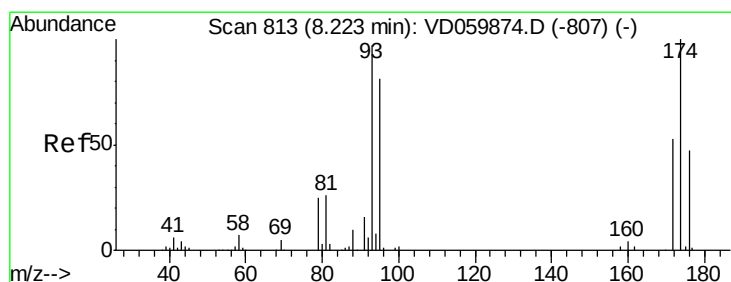
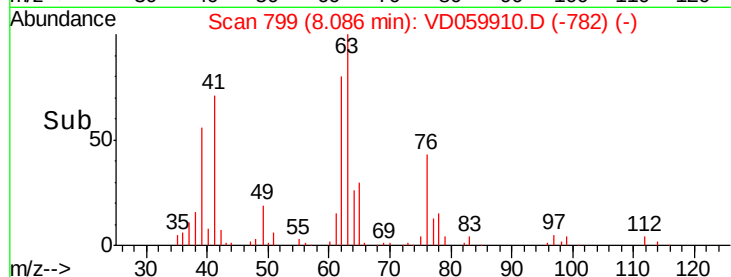
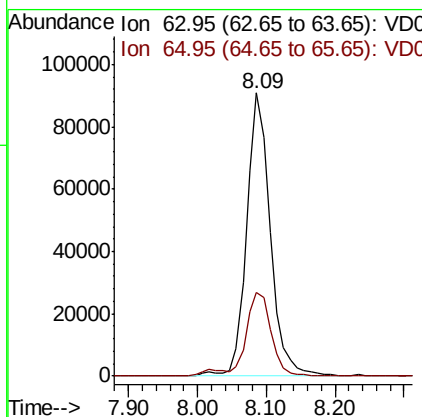
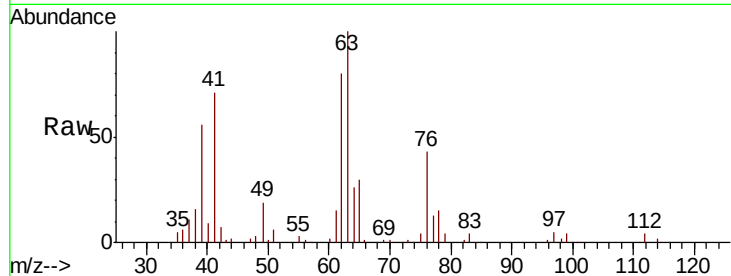
#45
 1,2-Dichloropropane
 Concen: 19.07 ug/l
 RT: 8.09 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion: 63 Resp: 216080
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.5 35.3

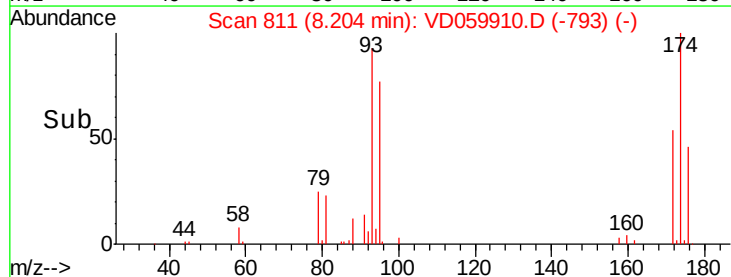
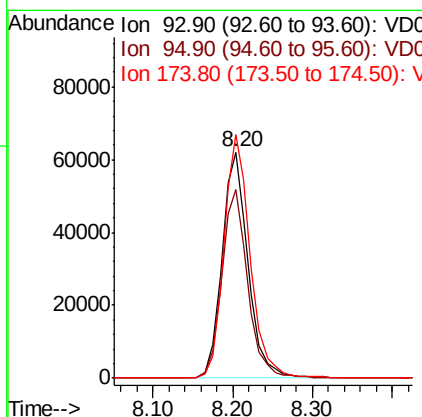
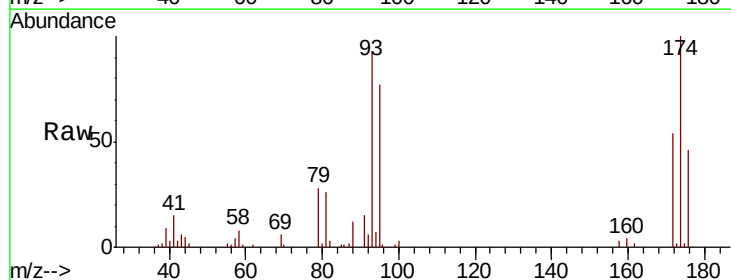
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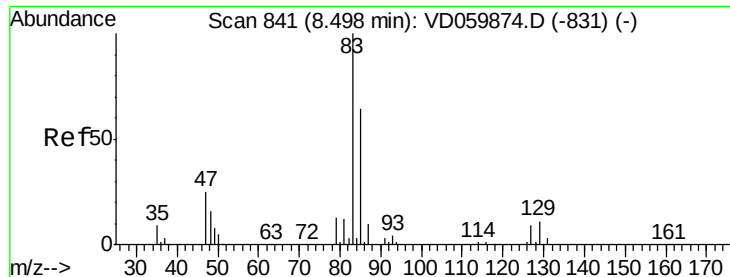
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#46
 Dibromomethane
 Concen: 19.47 ug/l
 RT: 8.20 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Tgt Ion: 93 Resp: 141874
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.6 100.0
 174 107.8 82.4 123.6





#47

Bromodichloromethane

Concen: 19.79 ug/l

RT: 8.48 min Scan# 839

Delta R.T. -0.02 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

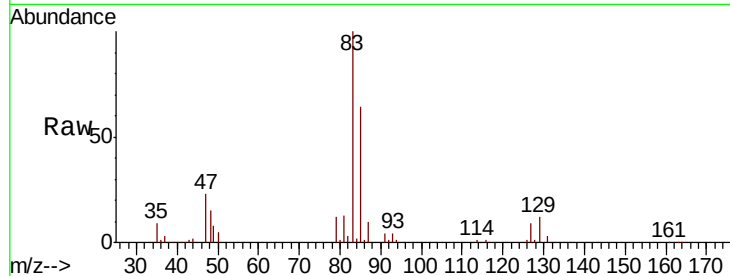
ClientSampleId :

VD0827SBS01

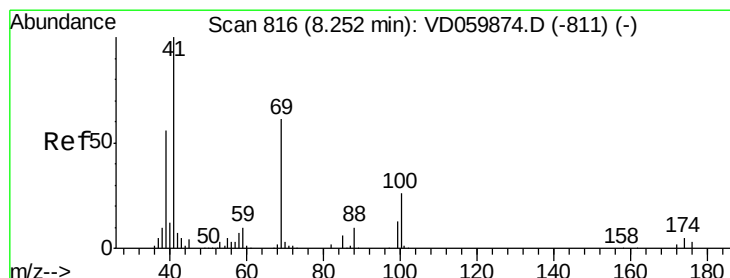
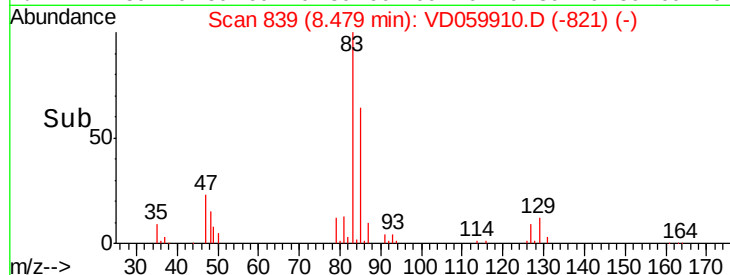
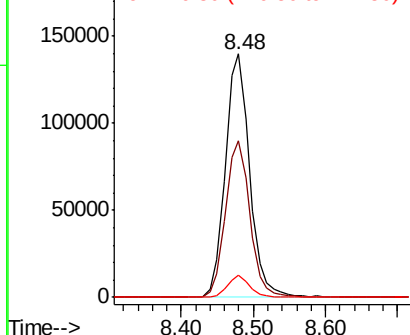
Tot Ion:	83	Resp:	326372
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.3	76.9
127	9.1	7.0	10.4

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



#48

Methyl methacrylate

Concen: 19.54 ug/l

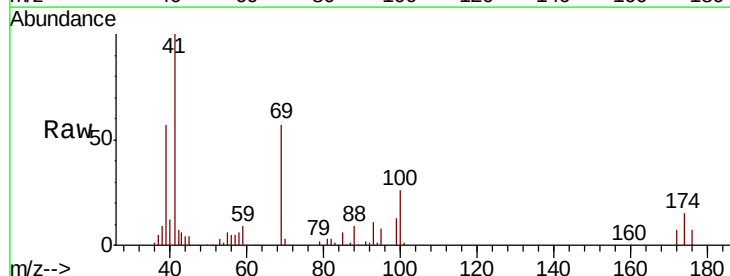
RT: 8.23 min Scan# 814

Delta R.T. -0.02 min

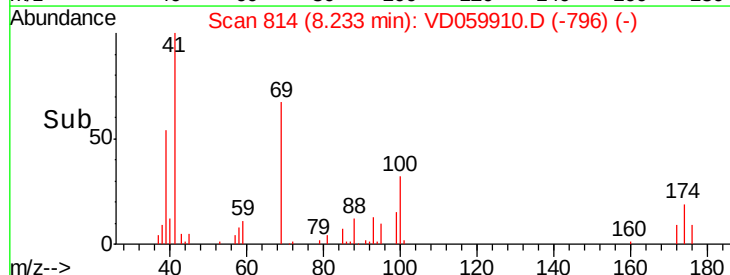
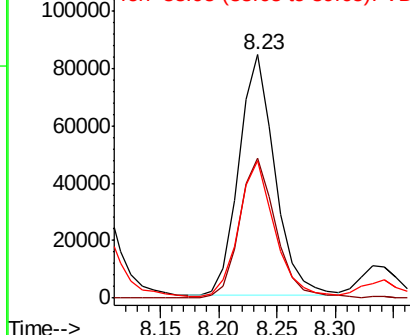
Lab File: VD059910.D

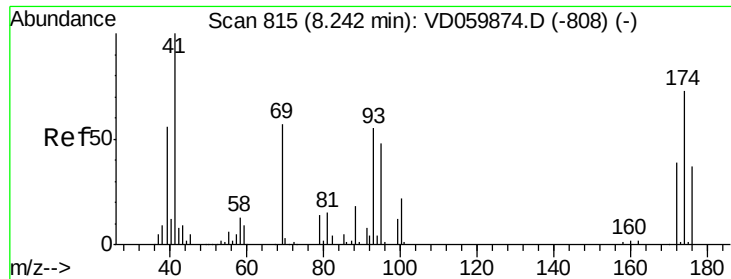
Acq: 27 Aug 2018 12:33

Tgt Ion:	41	Resp:	179728
Ion Ratio	Lower	Upper	
41	100		
69	57.3	48.0	72.0
39	56.5	45.4	68.0



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





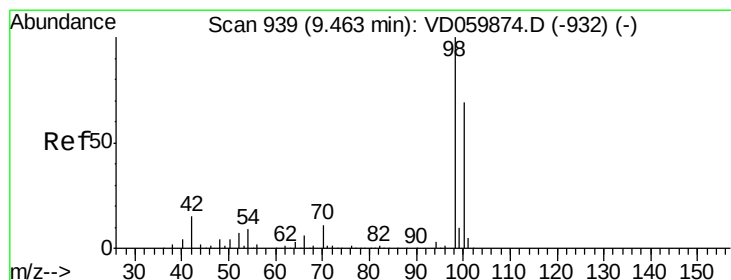
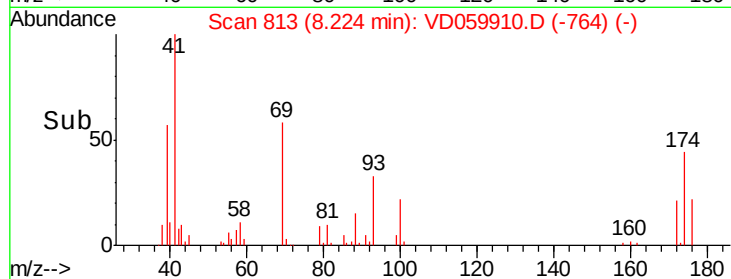
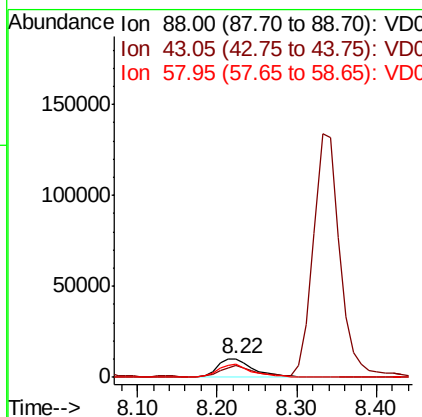
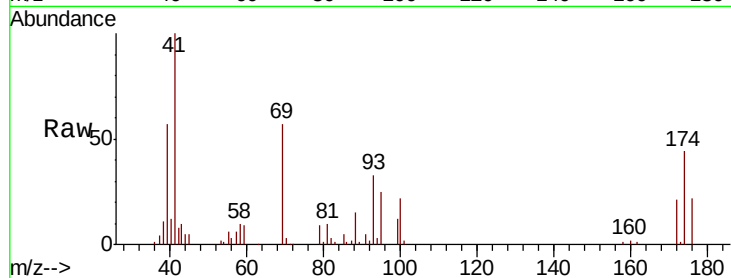
#49
1,4-Dioxane
Concen: 397.44 ug/l
RT: 8.22 min Scan# 813
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	88	Resp	32644
Ion Ratio	Lower	Upper	
88	100		
43	65.3	45.0	67.6
58	71.2	55.8	83.8

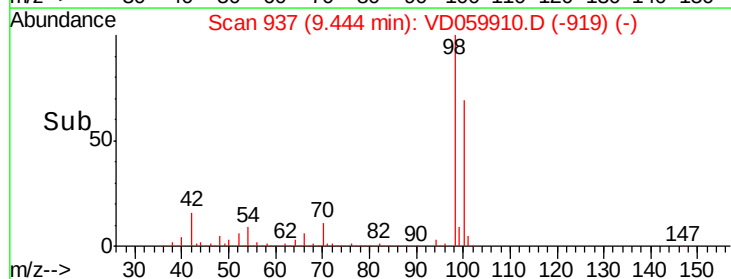
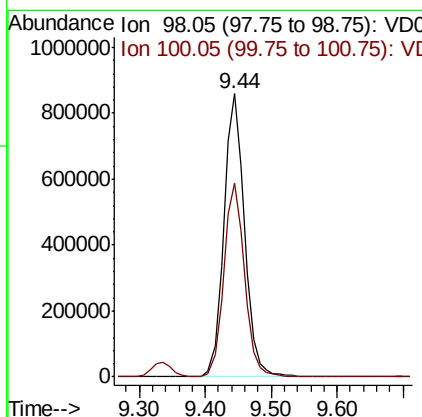
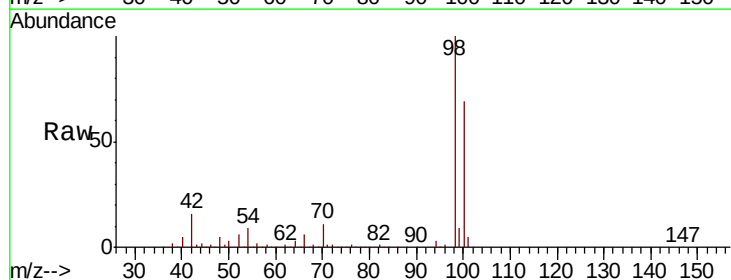
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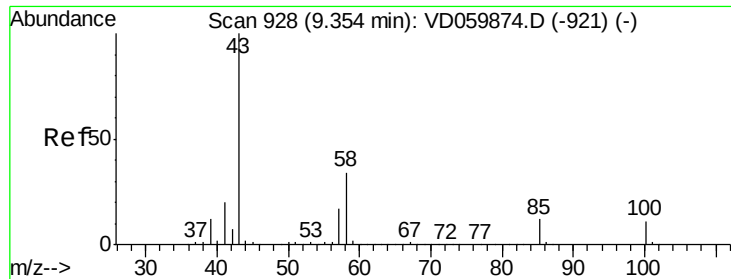
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#50
Toluene-d8
Concen: 397.44 ug/l
RT: 9.44 min Scan# 937
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion	98	Resp	1884886
Ion Ratio	Lower	Upper	
98	100		
100	68.7	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 88.68 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.03 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 43 Resp: 1043421

Ion Ratio Lower Upper

43 100

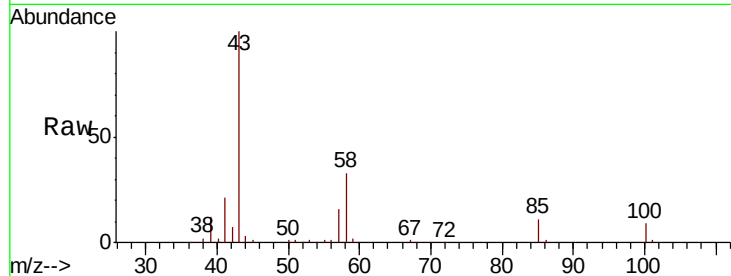
58 32.7 27.0 40.4

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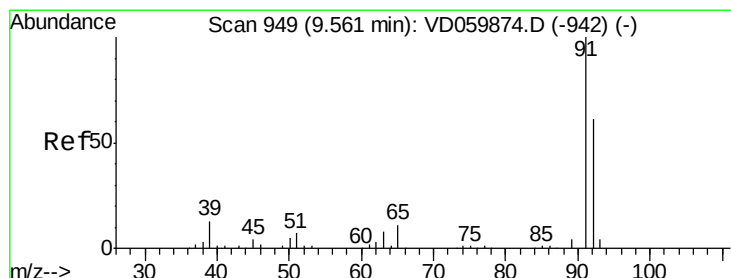
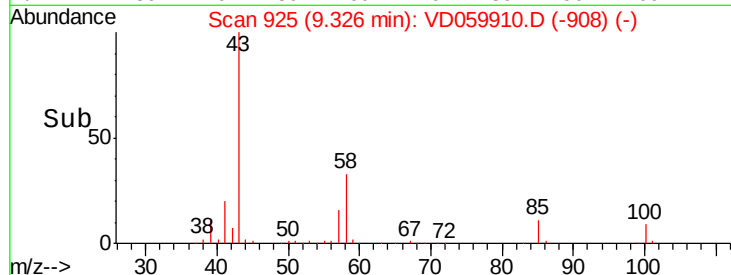
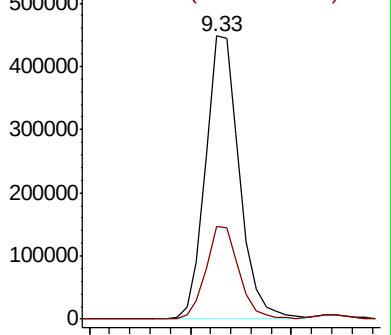
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.66 ug/l

RT: 9.53 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059910.D

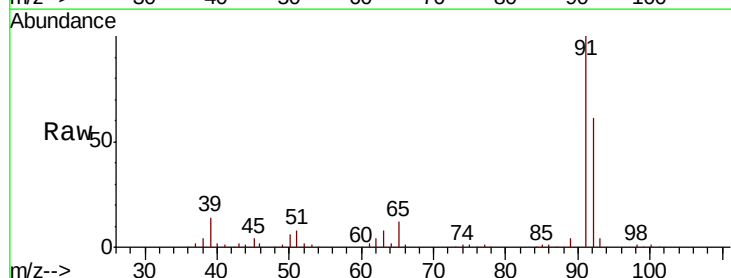
Acq: 27 Aug 2018 12:33

Tgt Ion: 92 Resp: 511045

Ion Ratio Lower Upper

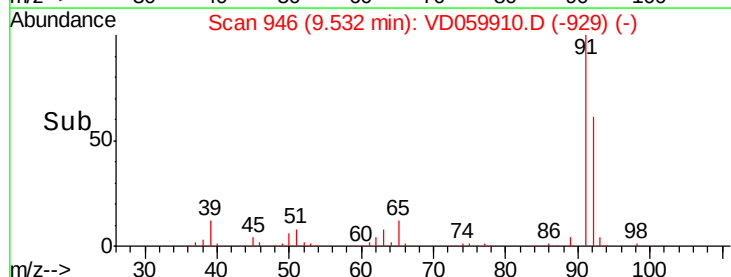
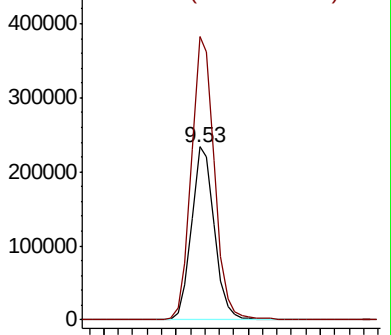
92 100

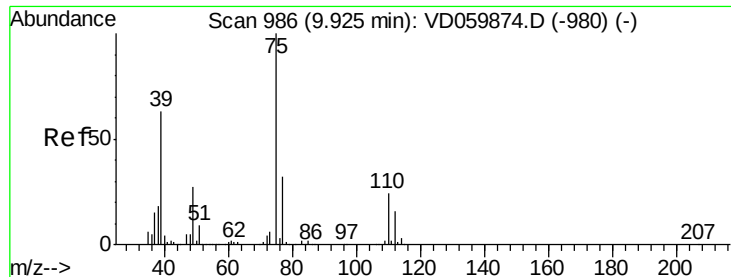
91 163.9 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





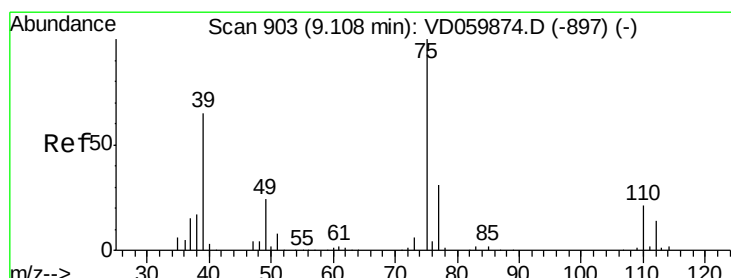
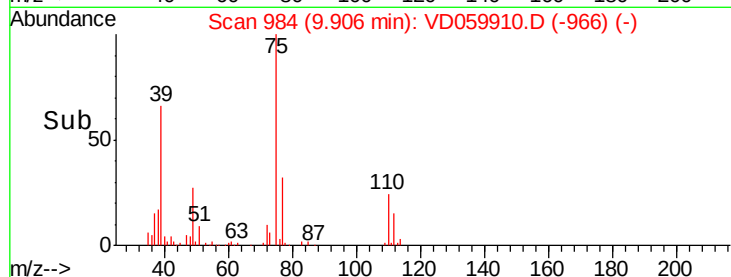
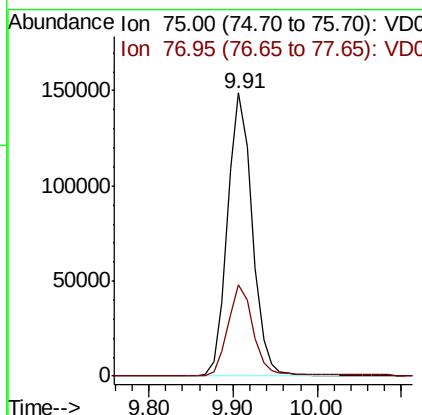
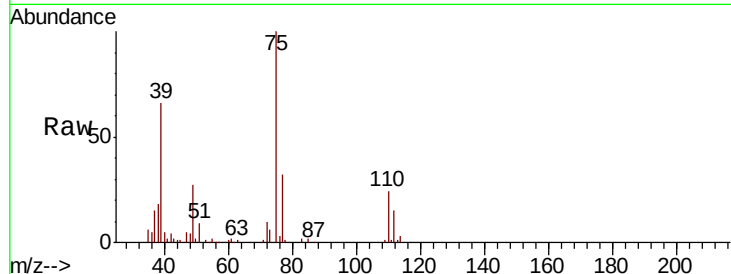
#53
t-1,3-Dichloropropene
Concen: 19.94 ug/l
RT: 9.91 min Scan# 984
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion: 75 Resp: 304150
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.2

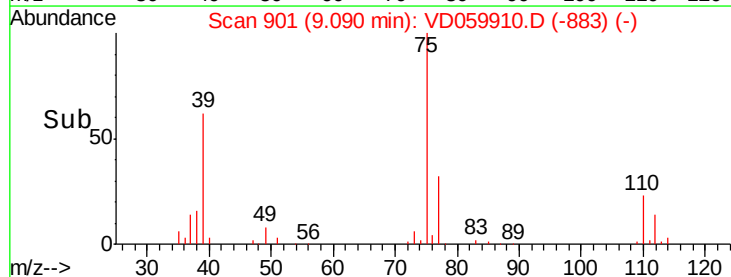
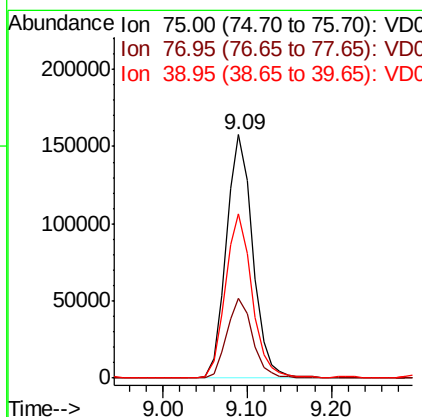
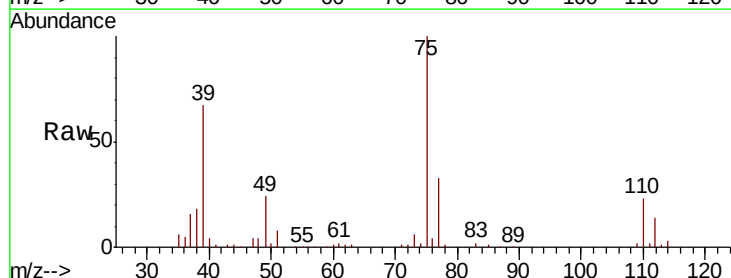
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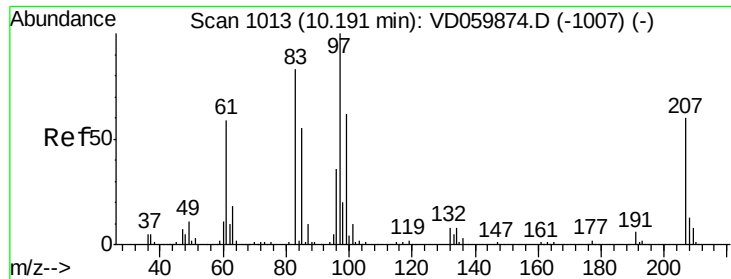
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#54
cis-1,3-Dichloropropene
Concen: 19.51 ug/l
RT: 9.09 min Scan# 901
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion: 75 Resp: 344986
Ion Ratio Lower Upper
75 100
77 32.6 24.8 37.2
39 67.3 52.1 78.1





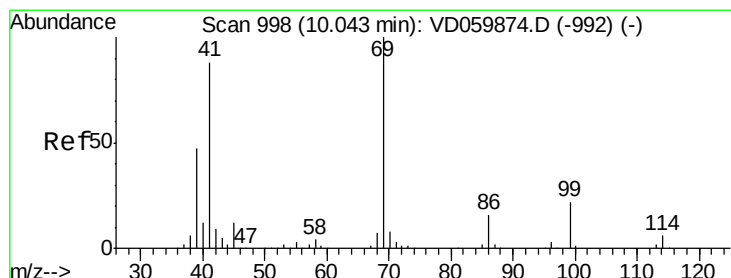
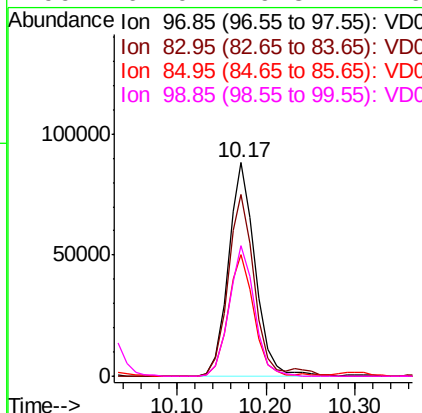
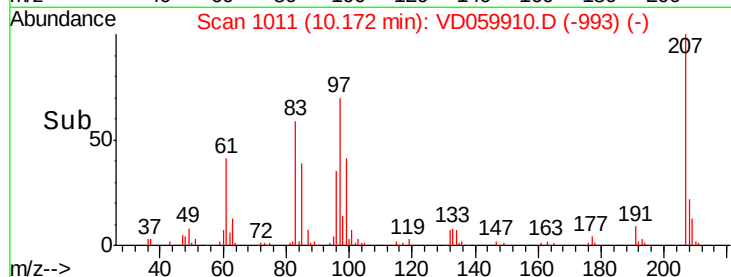
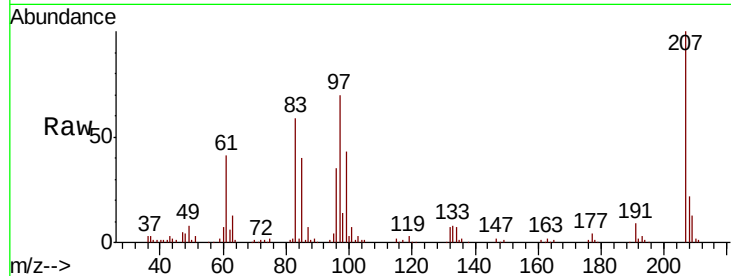
#55
 1,1,2-Trichloroethane
 Concen: 19.53 ug/l
 RT: 10.17 min Scan# 1011
 Delta R.T. -0.02 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		185547		
83	85.1	66.7	100.1		
85	57.0	43.8	65.6		
99	61.0	49.8	74.6		

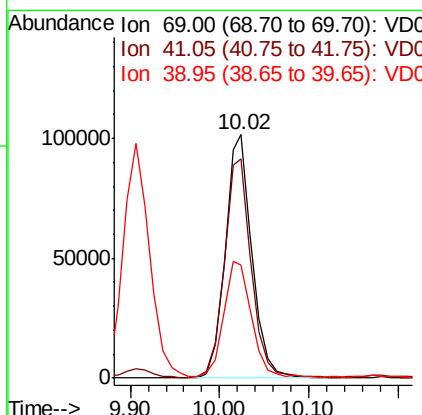
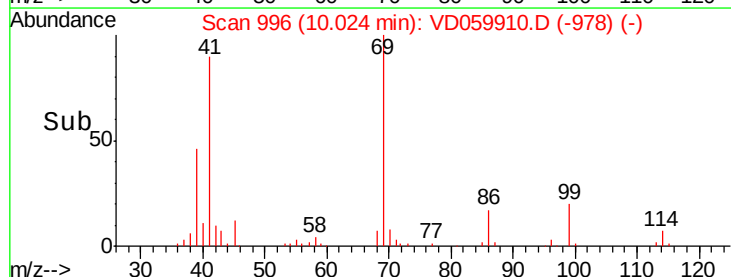
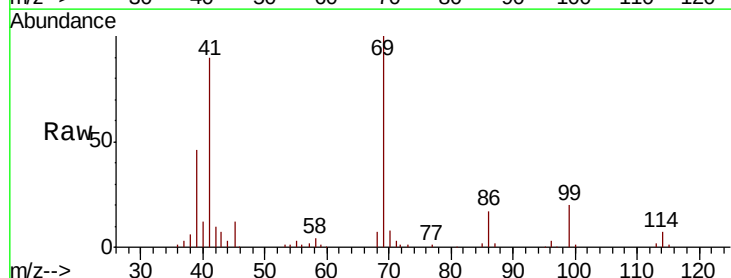
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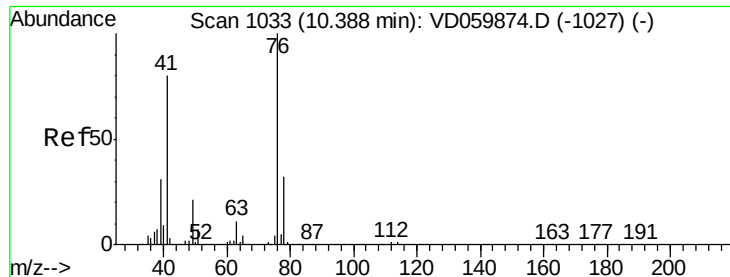
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#56
 Ethyl methacrylate
 Concen: 19.40 ug/l
 RT: 10.02 min Scan# 996
 Delta R.T. -0.02 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		212692		
41	90.2	71.0	106.4		
39	46.5	38.5	57.7		





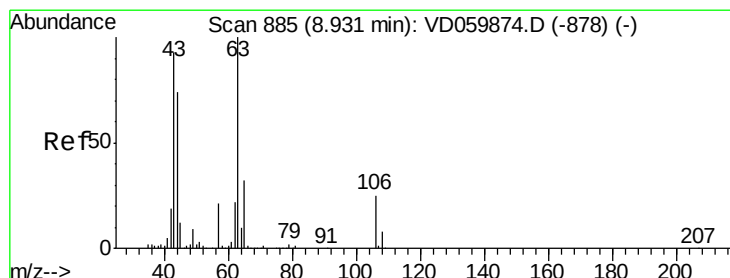
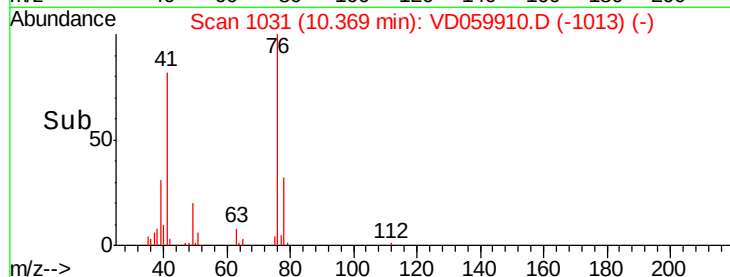
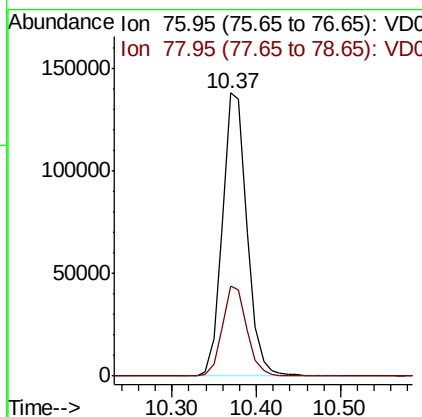
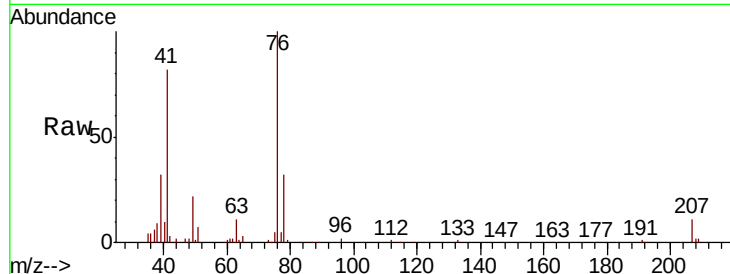
#57
 1,3-Dichloropropane
 Concen: 20.18 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

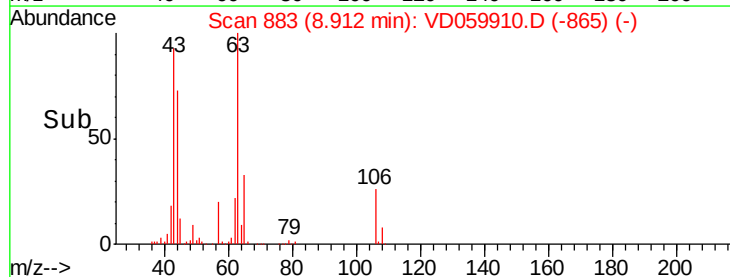
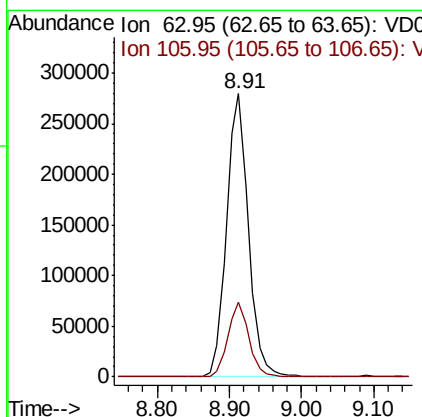
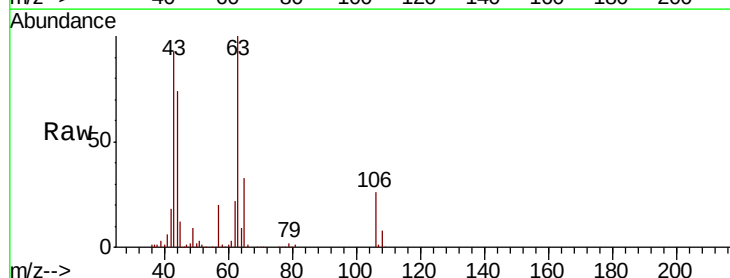
Manual Integrations
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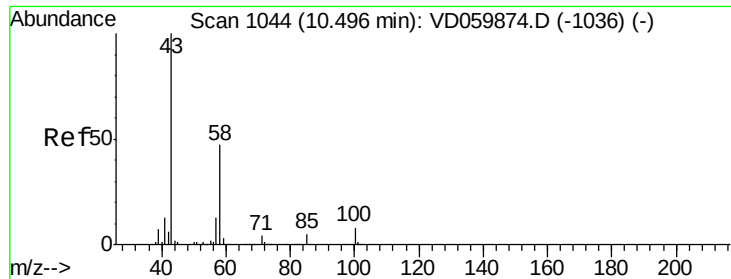
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#58
 2-Chloroethyl Vinyl ether
 Concen: 111.47 ug/l
 RT: 8.91 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	20.1	30.1





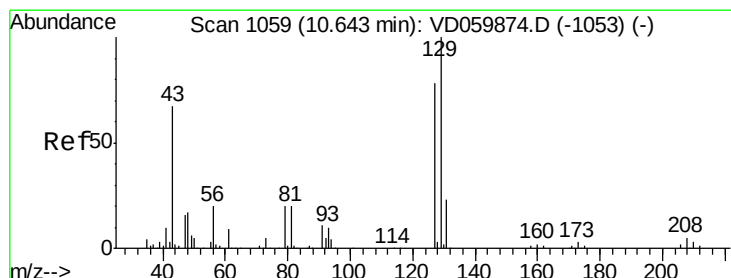
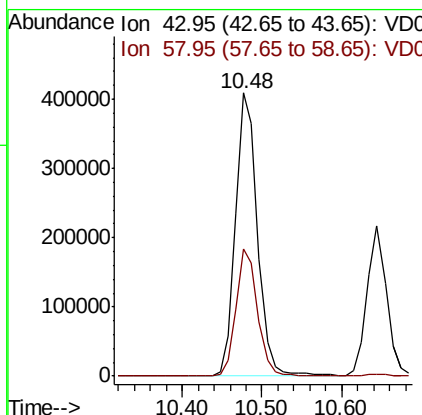
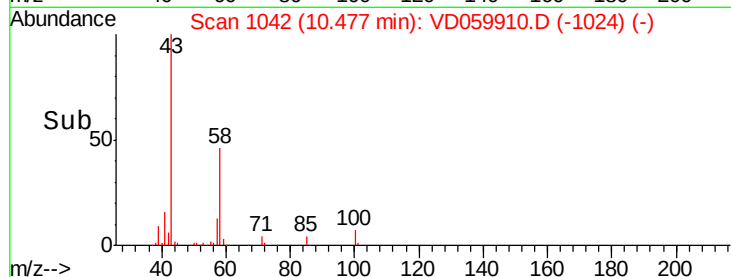
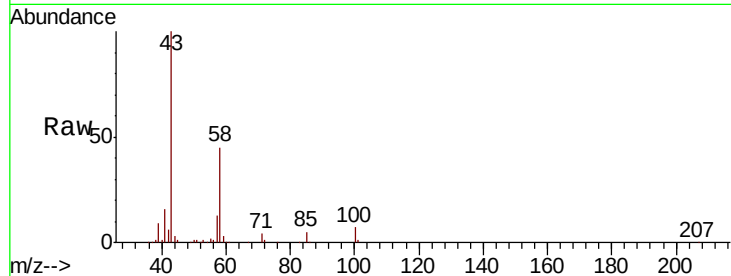
#59
2-Hexanone
Concen: 90.74 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion: 43 Resp: 787436
Ion Ratio Lower Upper
43 100
58 45.1 23.3 69.8

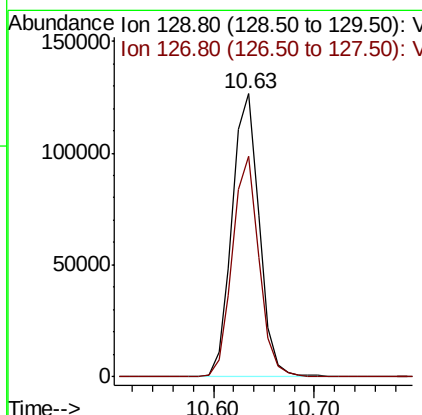
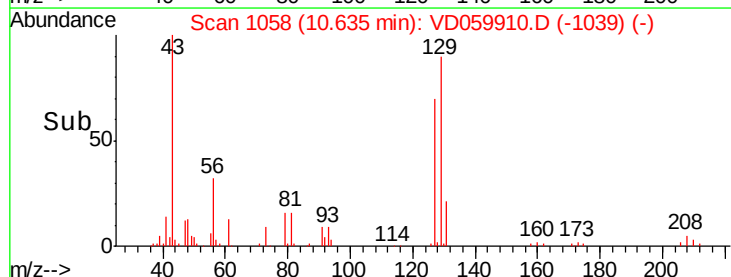
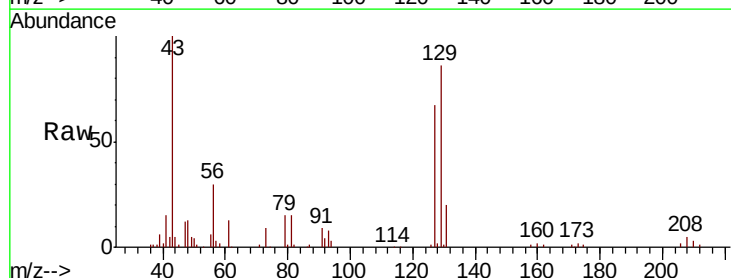
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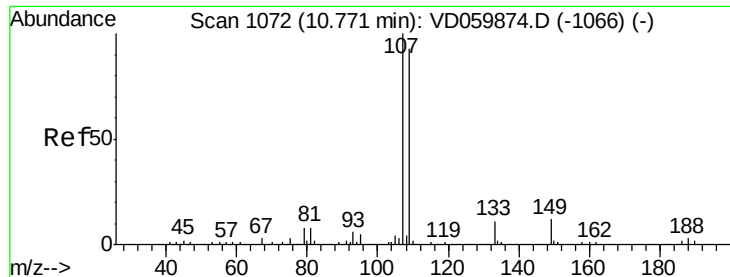
apatel
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#60
Dibromochloromethane
Concen: 19.80 ug/l
RT: 10.63 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion: 129 Resp: 236493
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.45 ug/l

RT: 10.75 min Scan# 1070

Delta R.T. -0.02 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 107 Resp: 186889

Ion Ratio Lower Upper

107 100

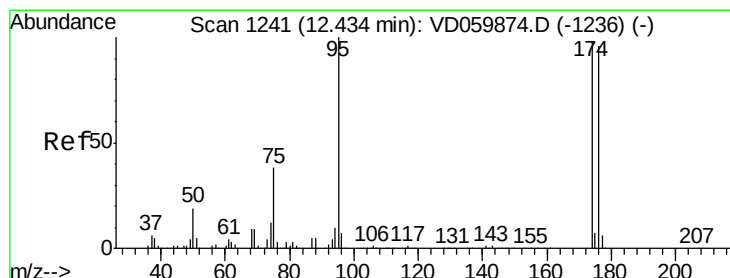
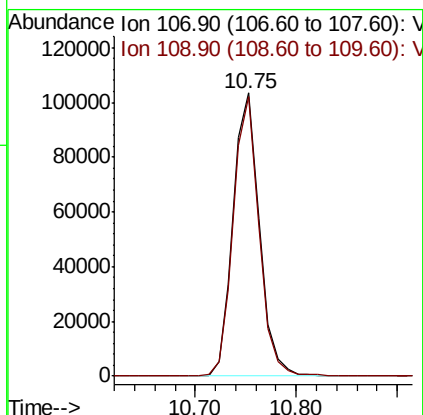
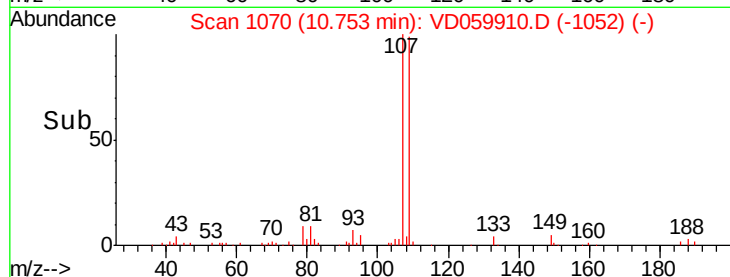
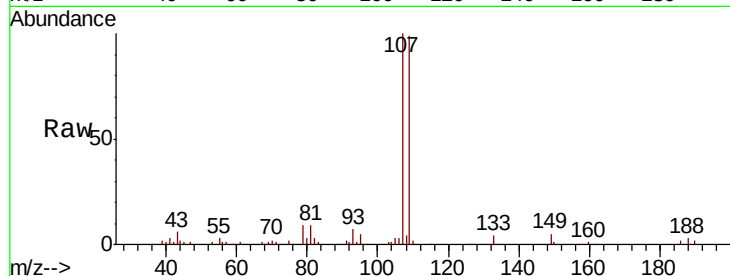
109 98.9 74.6 112.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 19.45 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

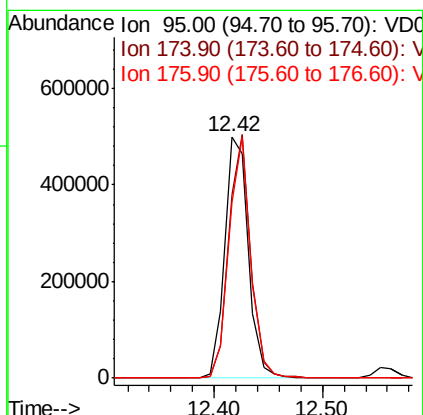
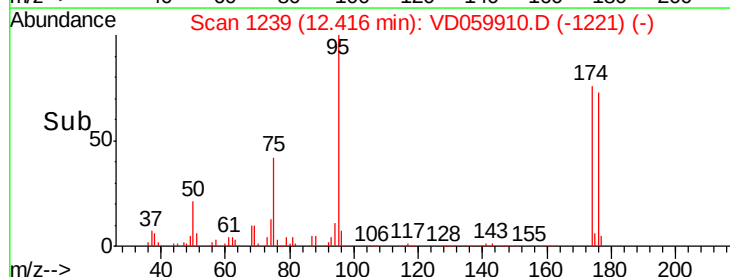
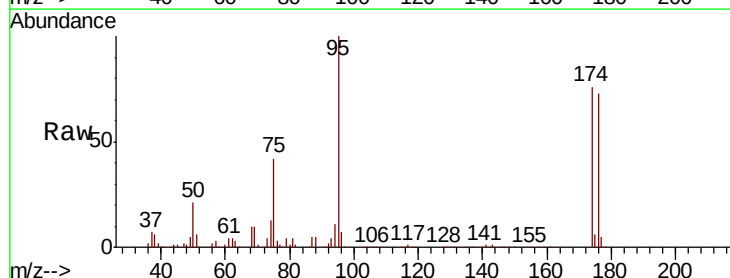
Tgt Ion: 95 Resp: 761204

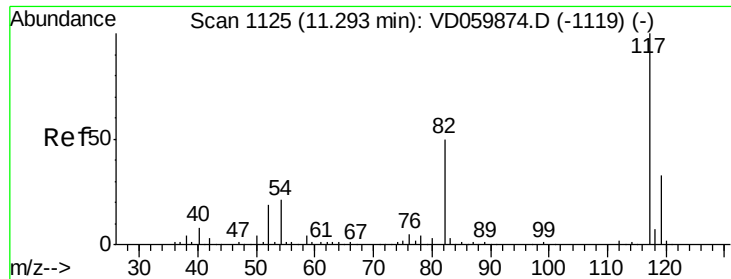
Ion Ratio Lower Upper

95 100

174 75.9 0.0 195.6

176 72.6 0.0 191.2





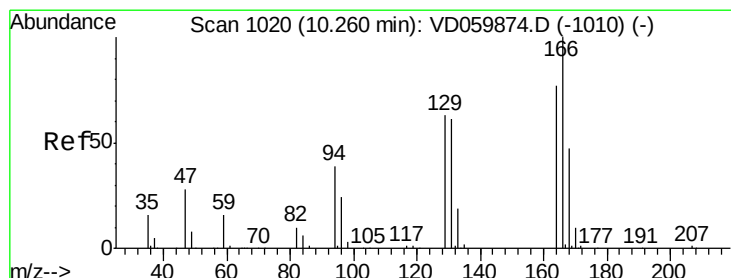
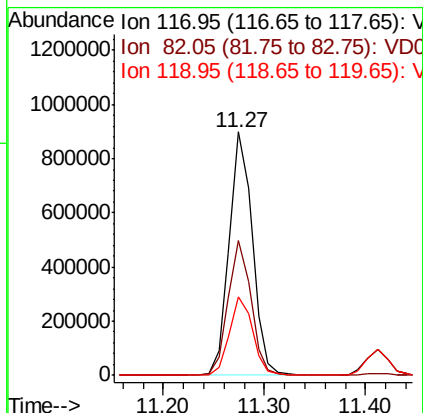
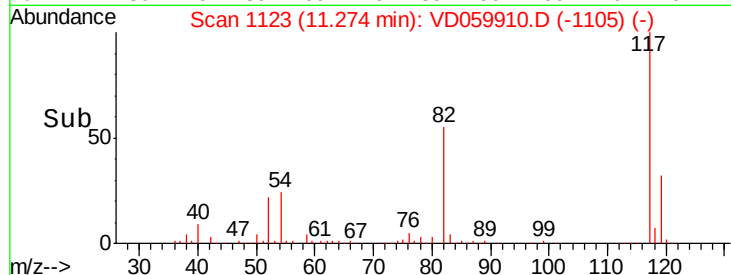
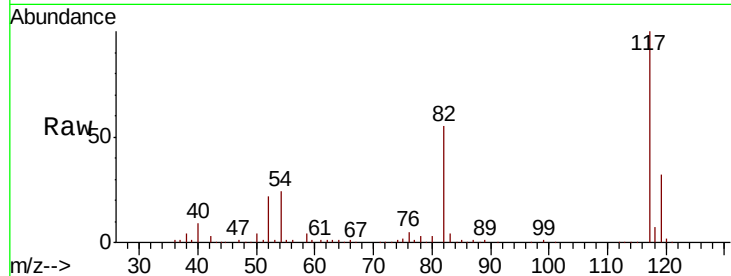
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion:117 Resp: 1436052
Ion Ratio Lower Upper
117 100
82 55.2 40.1 60.1
119 32.3 26.7 40.1

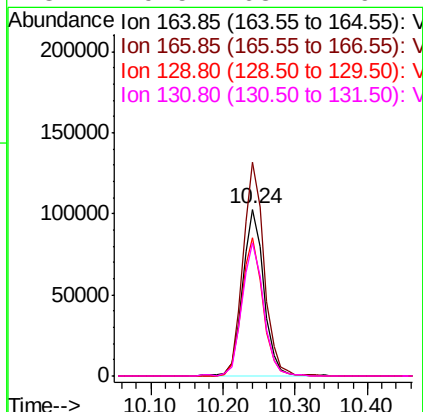
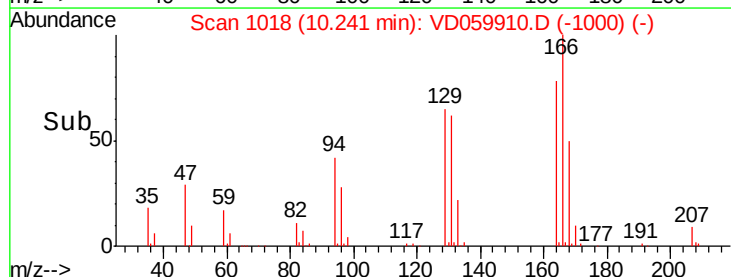
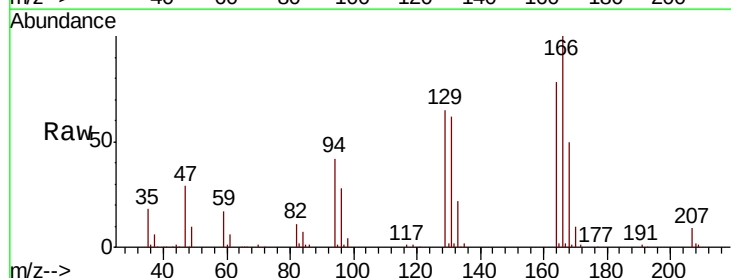
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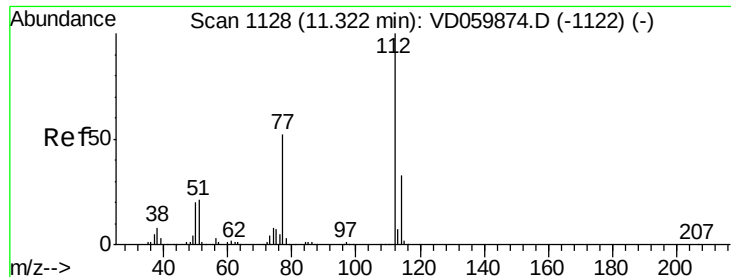
apatel
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#64
Tetrachloroethene
Concen: 19.05 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion:164 Resp: 211552
Ion Ratio Lower Upper
164 100
166 128.0 103.4 155.2
129 83.0 65.2 97.8
131 79.5 63.1 94.7





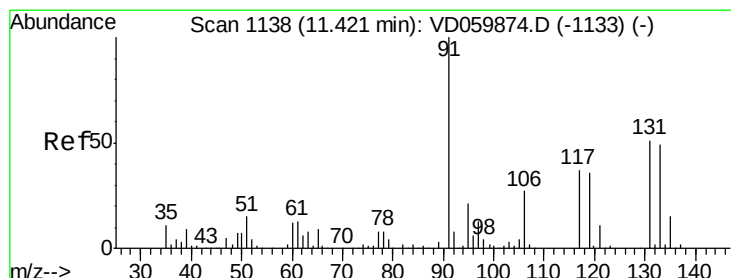
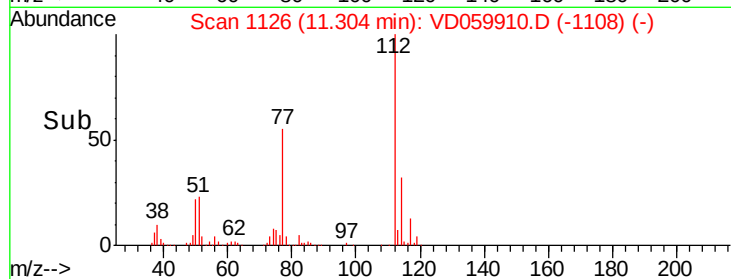
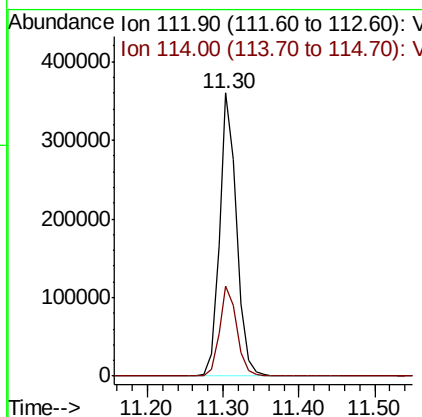
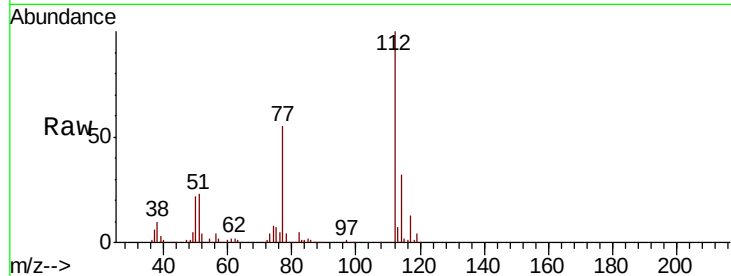
#65
Chlorobenzene
Concen: 19.83 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	565869		
114	31.8	26.4	39.6	

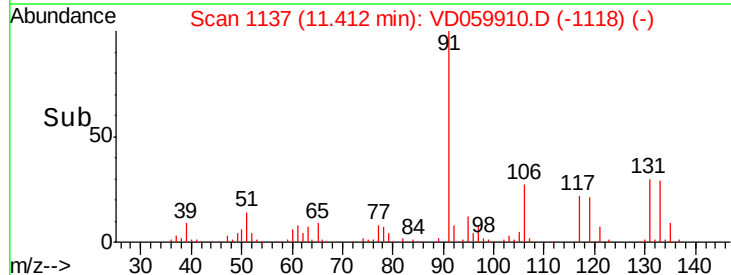
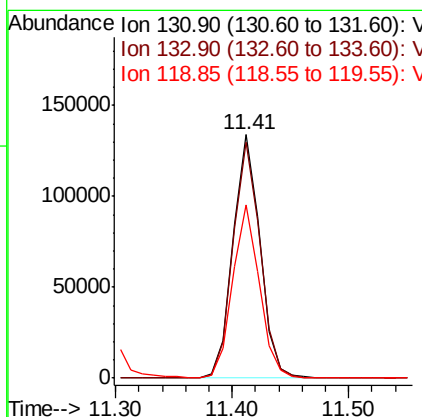
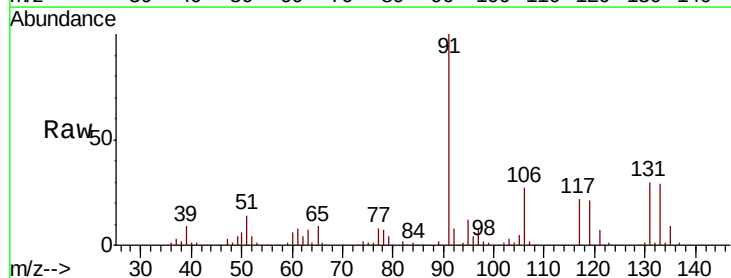
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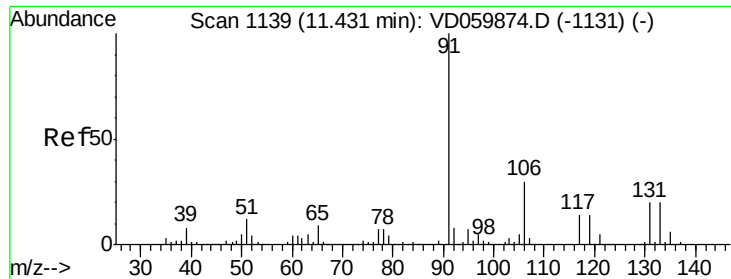
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.65 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	215301		
133	96.9	48.3	144.8	
119	71.3	35.4	106.3	





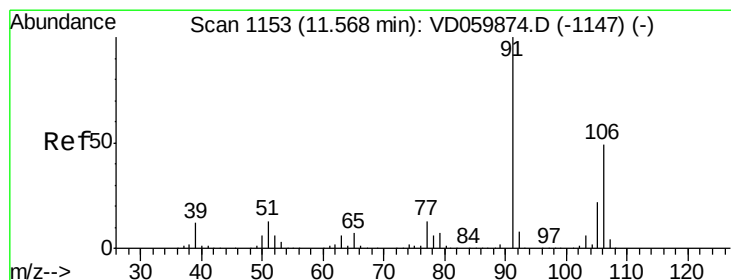
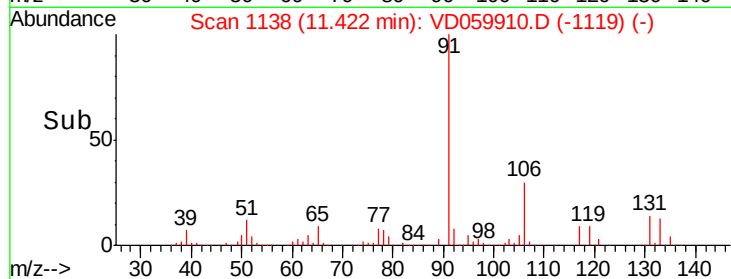
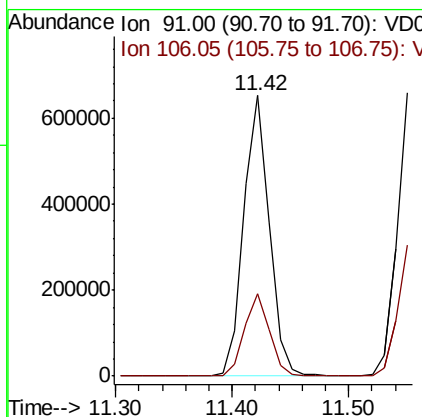
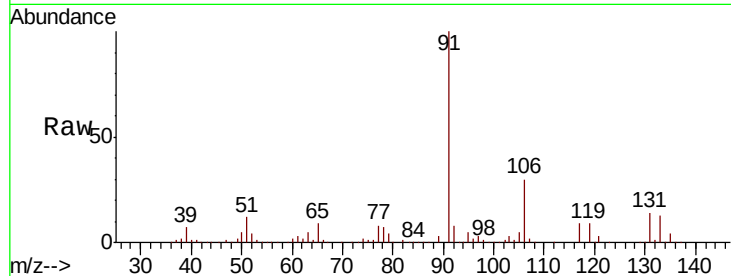
#67
Ethyl Benzene
Concen: 20.67 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion: 91 Resp: 992425
Ion Ratio Lower Upper
91 100
106 29.6 23.8 35.8

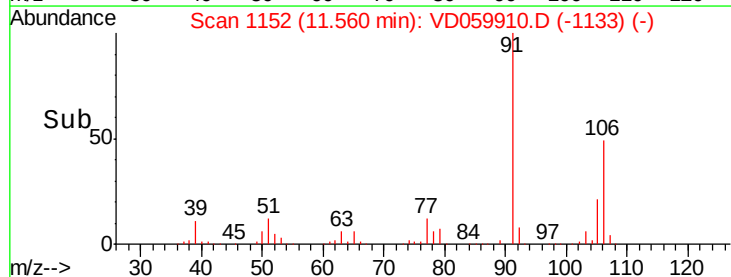
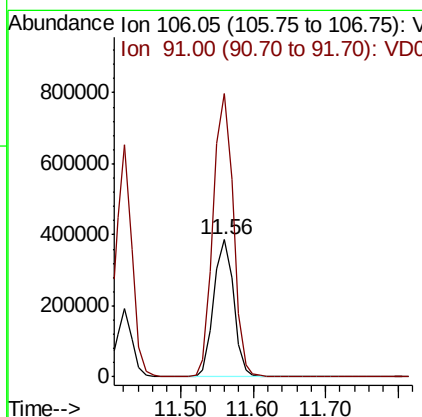
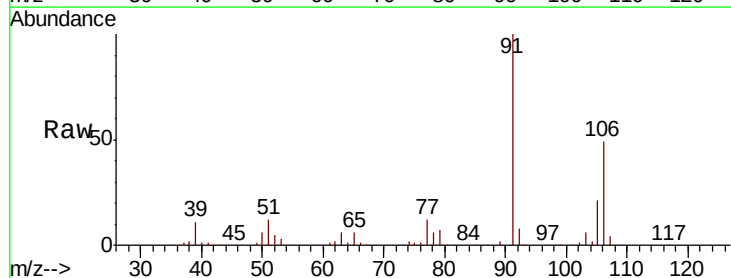
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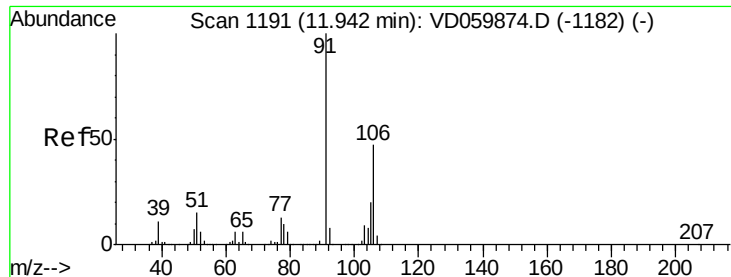
apatel
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#68
m/p-Xylenes
Concen: 41.93 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion: 106 Resp: 732911
Ion Ratio Lower Upper
106 100
91 206.0 162.0 243.0





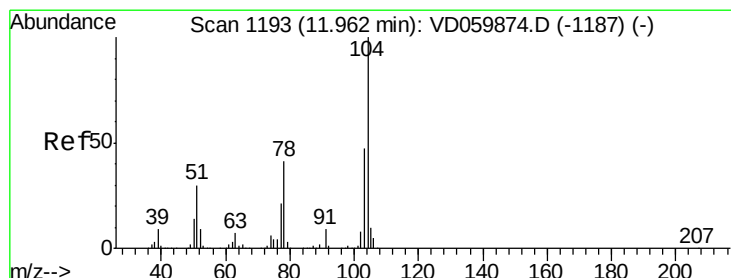
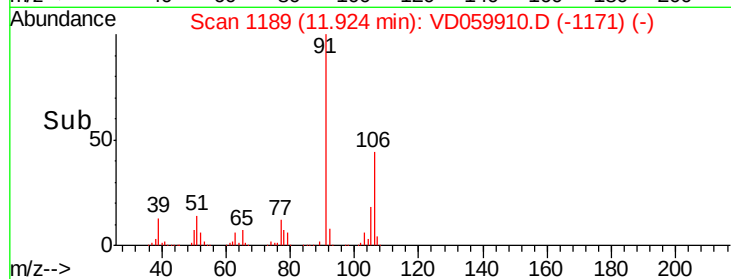
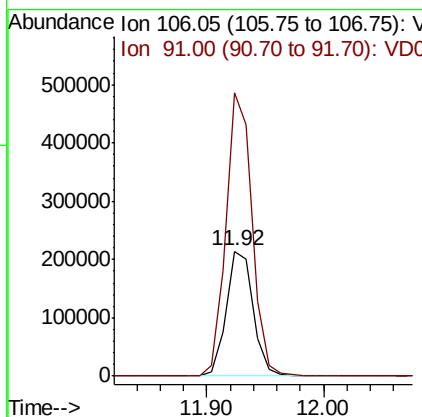
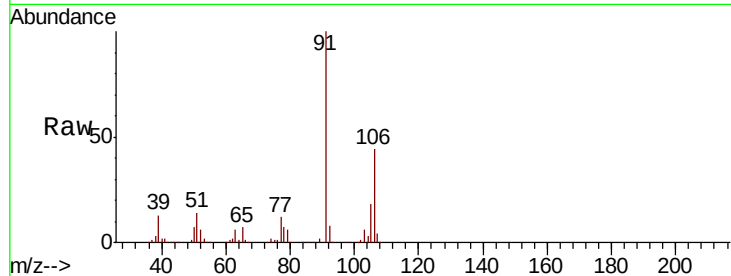
#69
o-Xylene
Concen: 20.11 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampled :
VD0827SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	226.2	107.3	322.0	

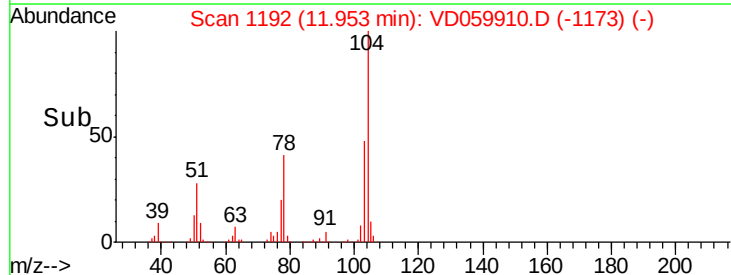
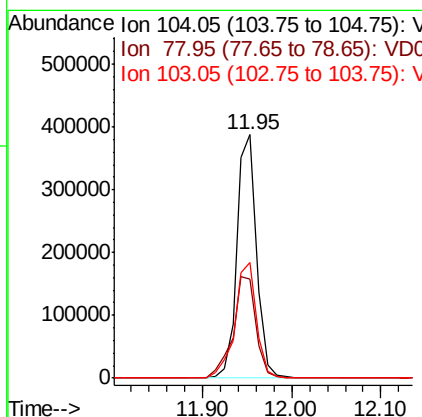
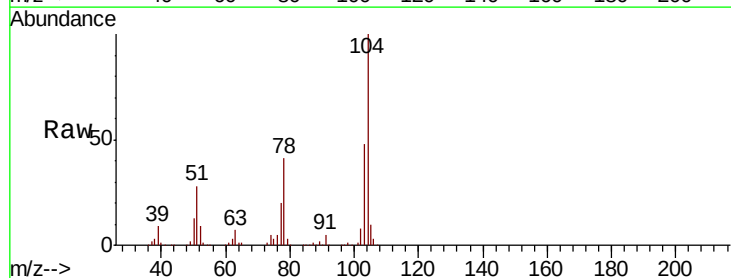
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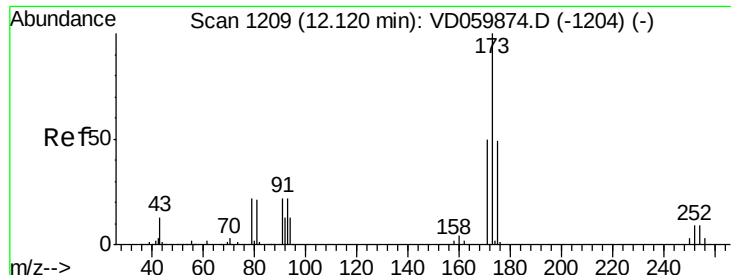
apatel
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#70
Styrene
Concen: 20.20 ug/l
RT: 11.95 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	40.7	32.6	49.0	
103	47.6	37.7	56.5	





#71

Bromoform

Concen: 19.44 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion:173 Resp: 175399

Ion Ratio Lower Upper

173 100

175 47.1 24.3 73.0

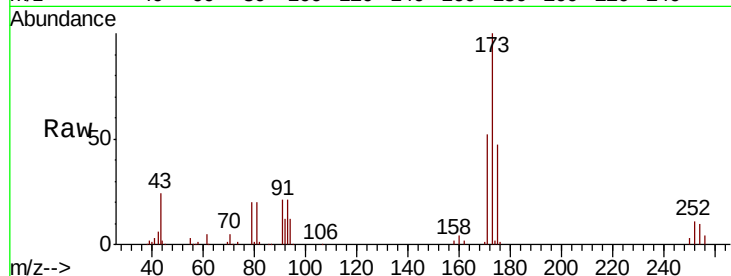
254 10.5 7.0 10.6

Manual Integrations

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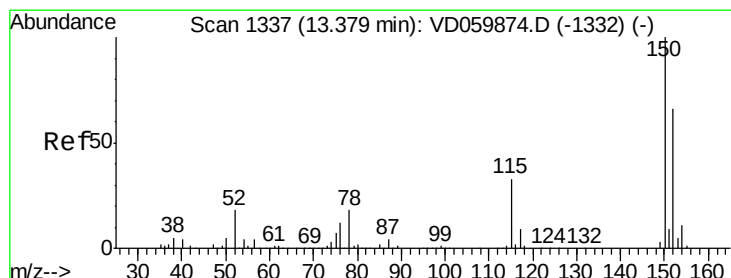
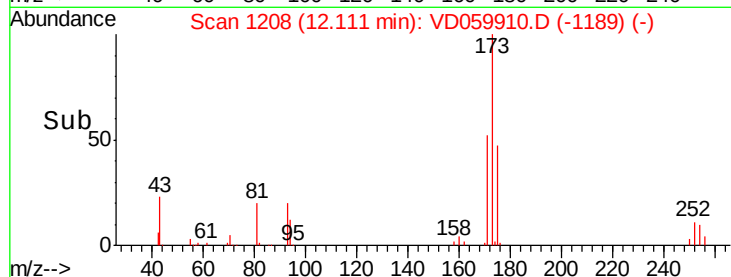
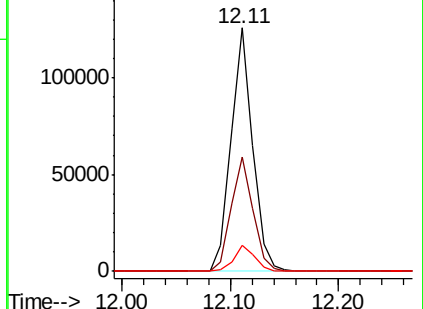
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

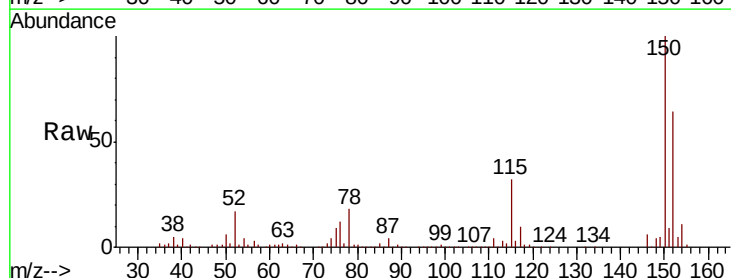
Tgt Ion:152 Resp: 785120

Ion Ratio Lower Upper

152 100

115 50.0 25.7 77.0

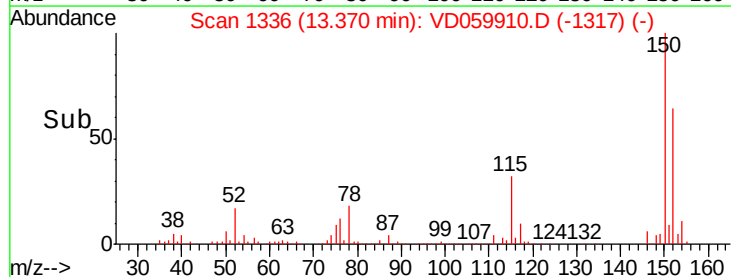
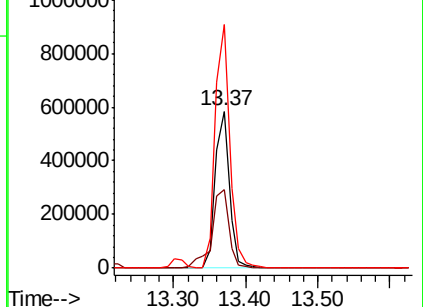
150 155.5 0.0 310.2

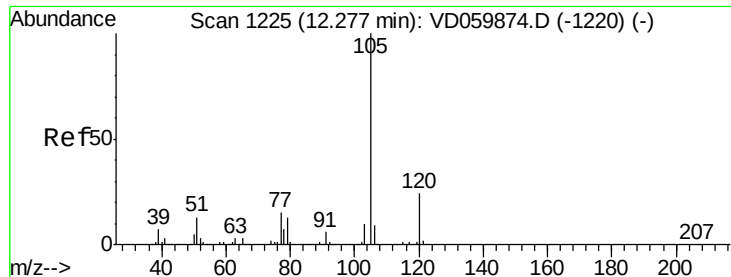


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.04 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 105 Resp: 954143

Ion Ratio Lower Upper

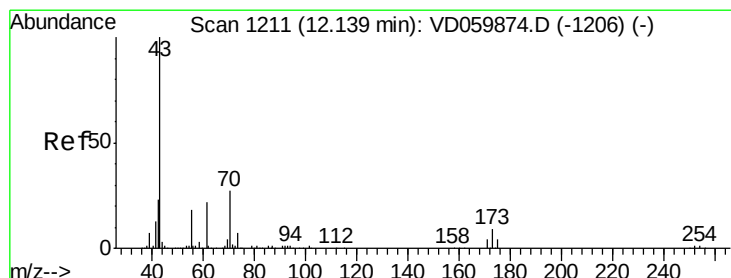
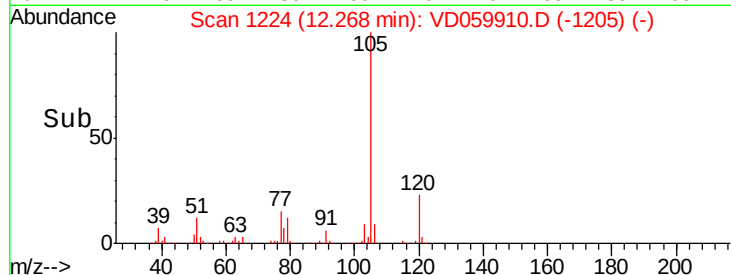
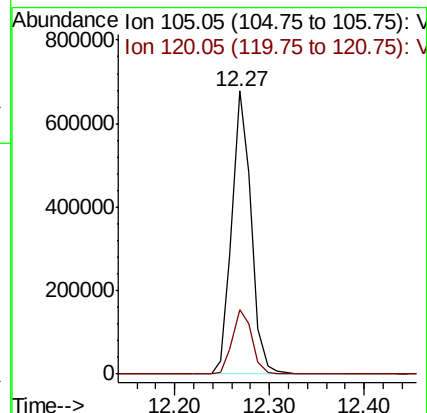
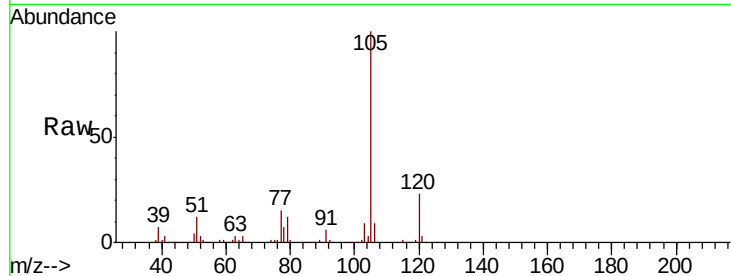
105 100

120 23.0 11.8 35.4

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#74

N-ethyl acetate

Concen: 19.07 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Tgt Ion: 43 Resp: 418458

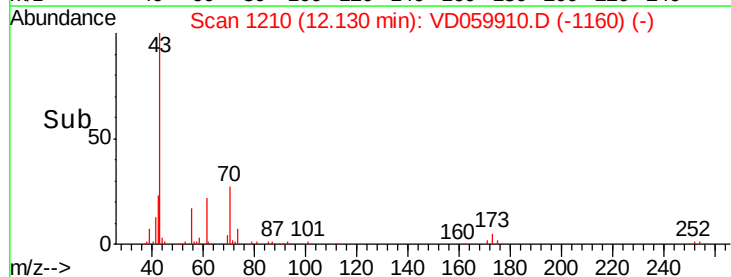
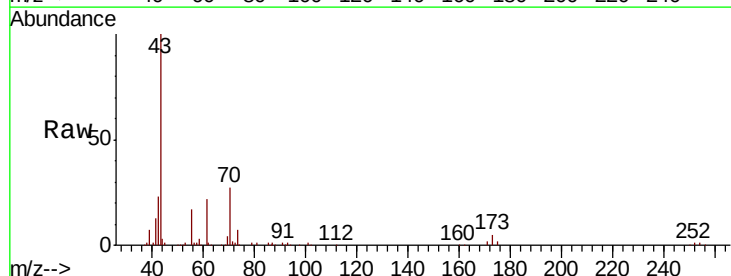
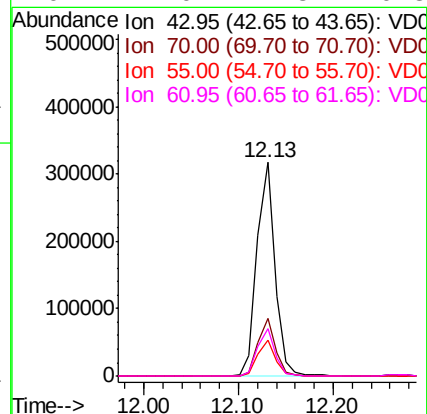
Ion Ratio Lower Upper

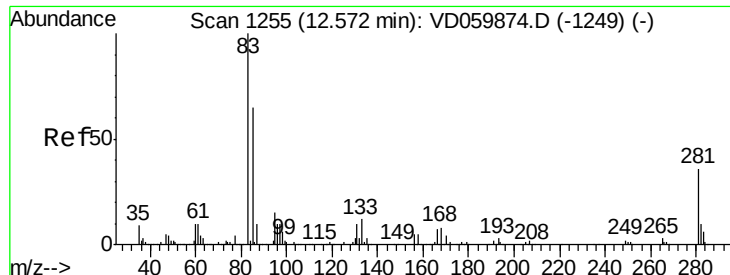
43 100

70 26.9 21.4 32.2

55 16.7 14.1 21.1

61 22.0 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.51 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 83 Resp: 226199

Ion Ratio Lower Upper

83 100

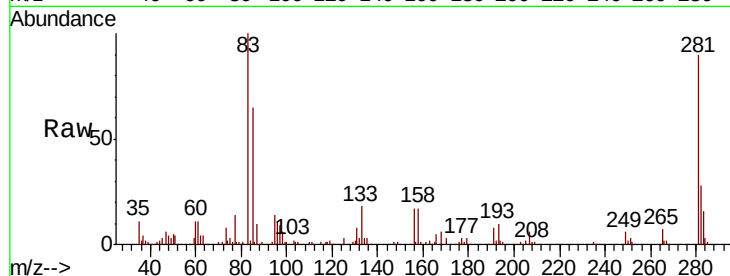
131 8.4 4.8 14.4

85 65.5 32.6 97.8

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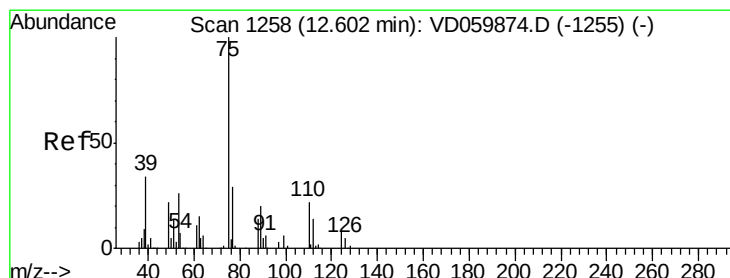
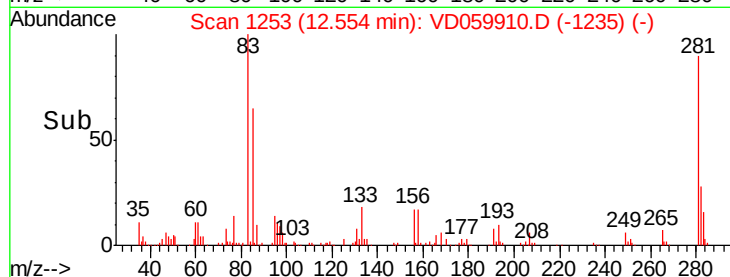
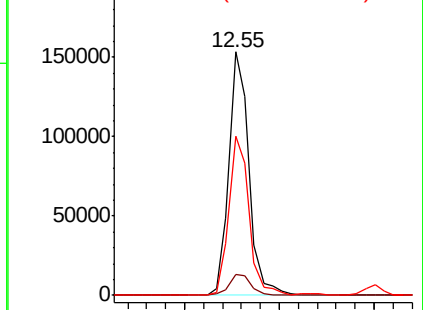
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.74 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059910.D

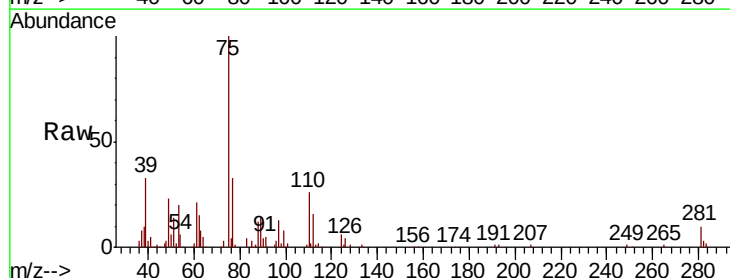
Acq: 27 Aug 2018 12:33

Tgt Ion: 75 Resp: 240876

Ion Ratio Lower Upper

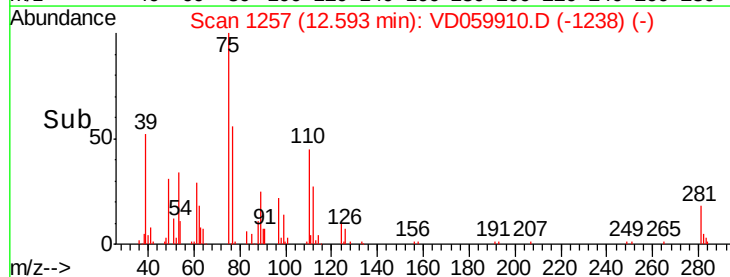
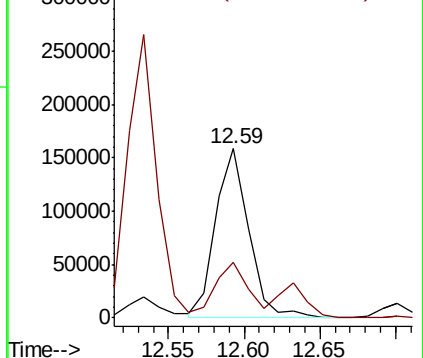
75 100

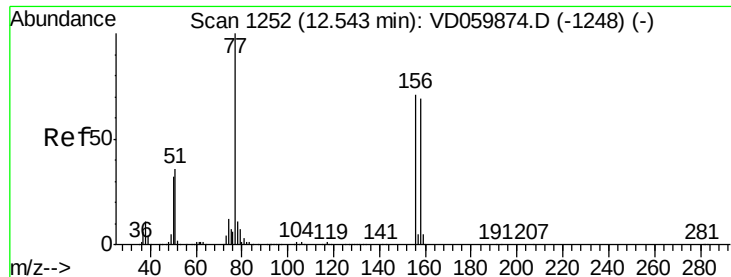
77 33.0 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 19.76 ug/l

RT: 12.53 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

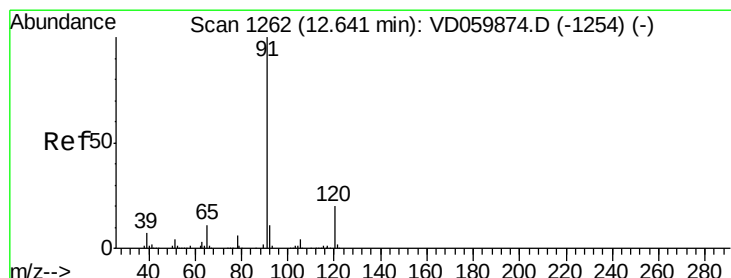
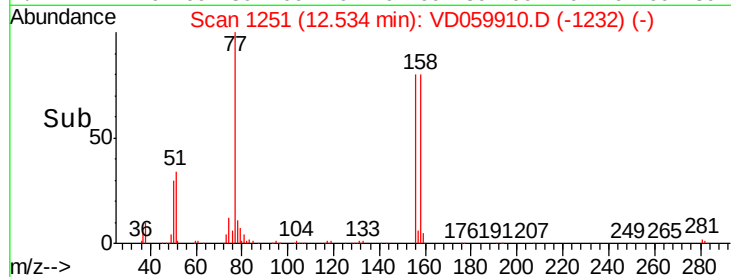
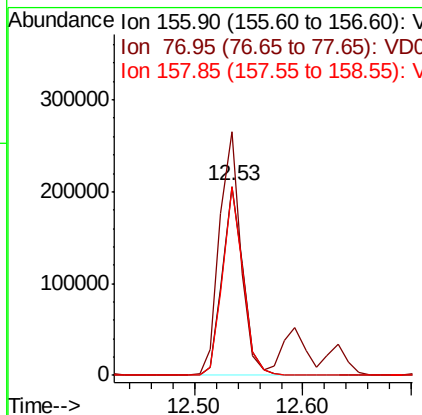
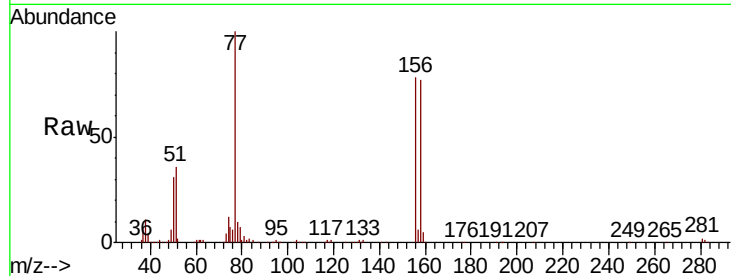
ClientSampleId :

VD0827SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	128.8	70.2	210.4
158	99.5	48.4	145.2

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#78

n-propylbenzene

Concen: 19.75 ug/l

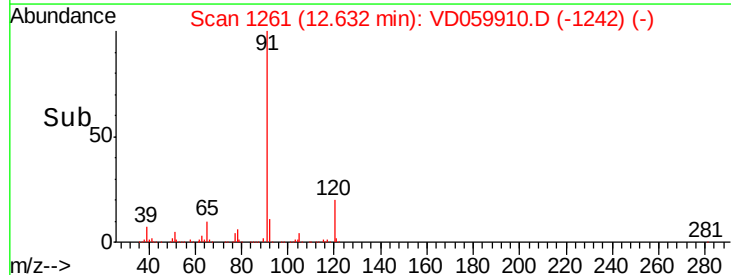
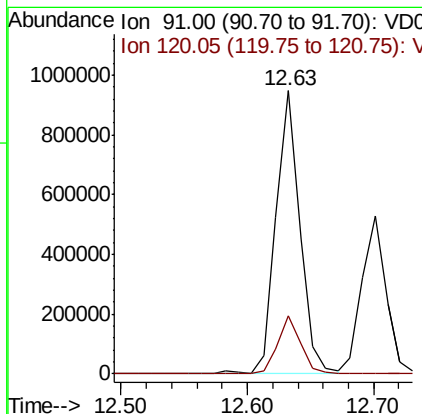
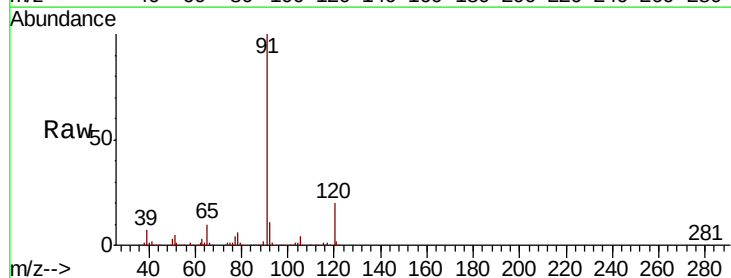
RT: 12.63 min Scan# 1261

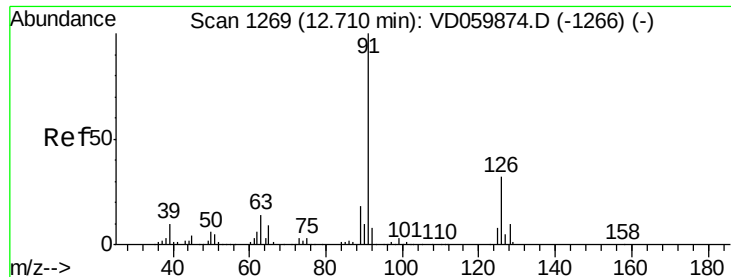
Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.4	10.1	30.3





#79

2-Chlorotoluene

Concen: 19.59 ug/l

RT: 12.70 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 91 Resp: 702910

Ion Ratio Lower Upper

91 100

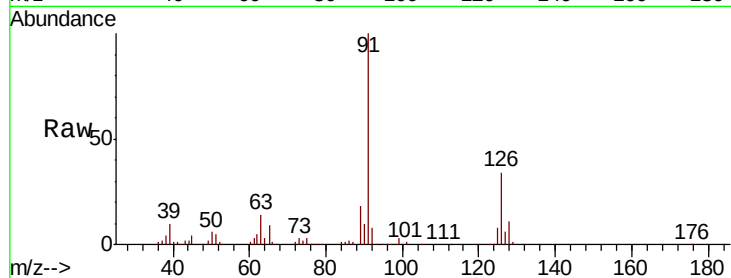
126 34.4 16.1 48.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

1000000

800000

600000

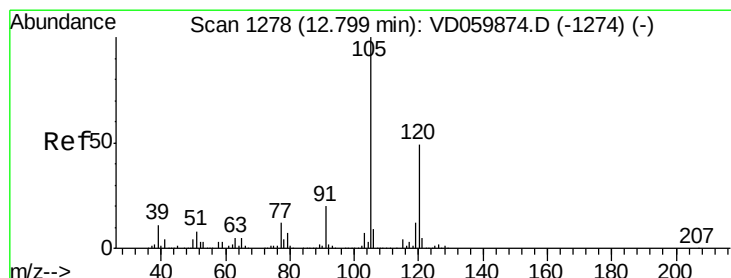
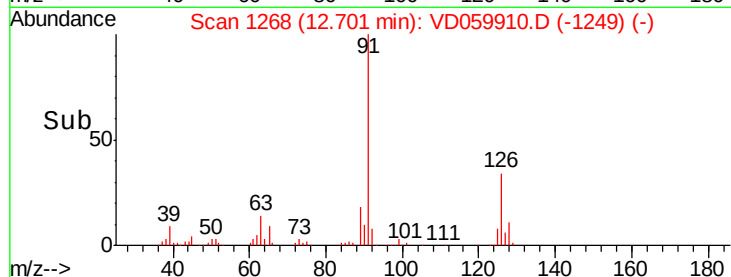
400000

200000

0

12.65 12.70 12.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.53 ug/l

RT: 12.79 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VD059910.D

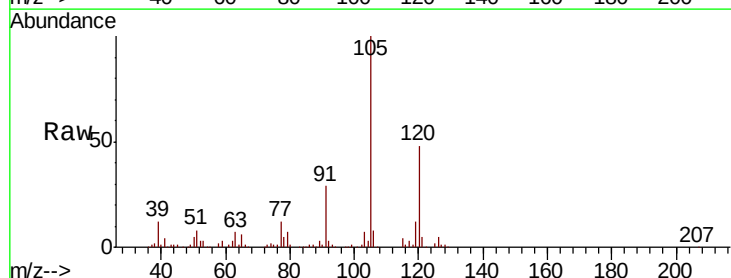
Acq: 27 Aug 2018 12:33

Tgt Ion:105 Resp: 778015

Ion Ratio Lower Upper

105 100

120 48.1 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

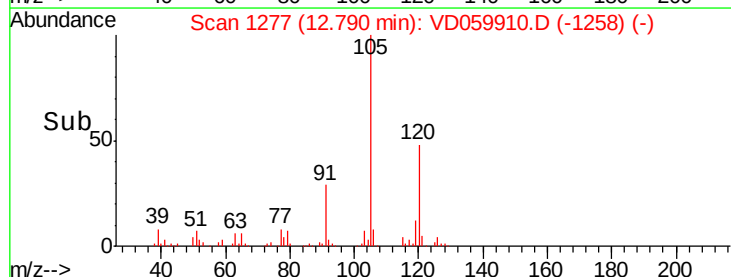
400000

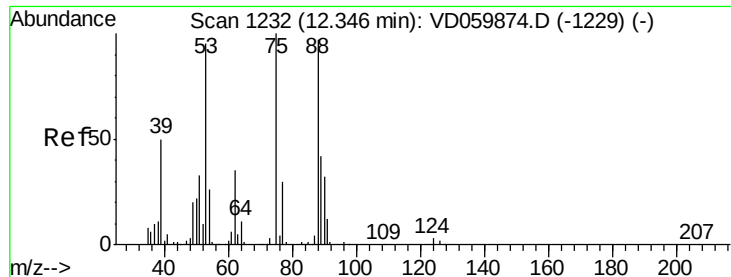
200000

0

12.70 12.80 12.90

Time-->





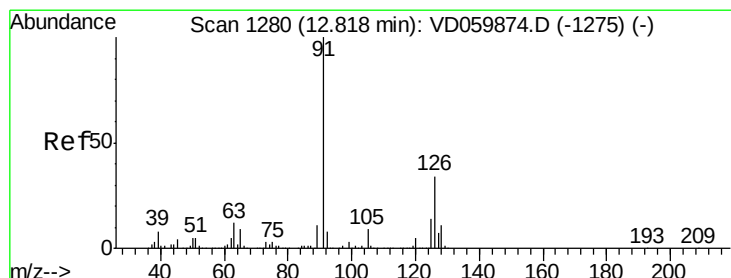
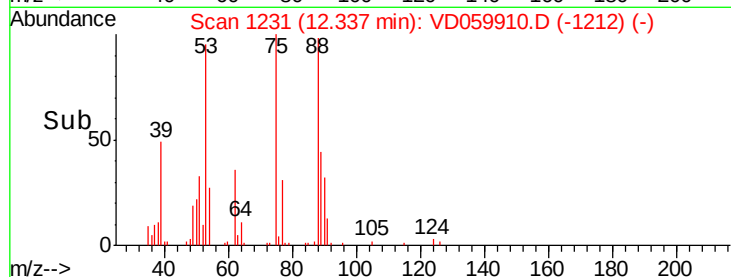
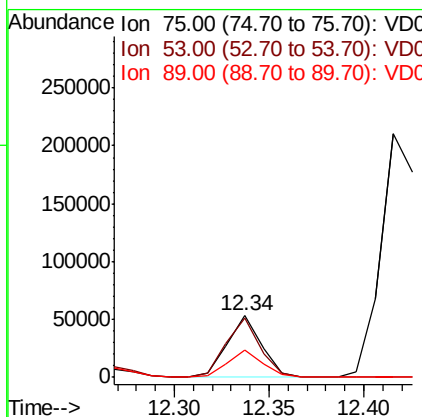
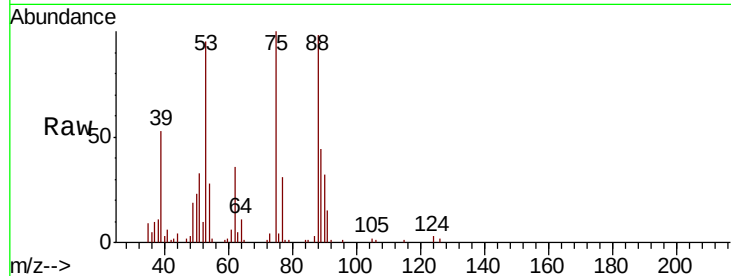
#81
trans-1,4-Dichloro-2-butene
Concen: 17.75 ug/l
RT: 12.34 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.4	75.8	113.6
89	44.0	33.6	50.4

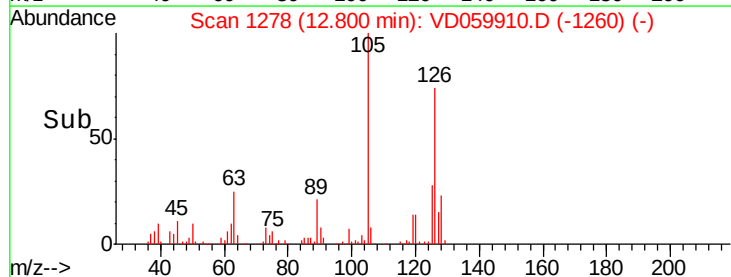
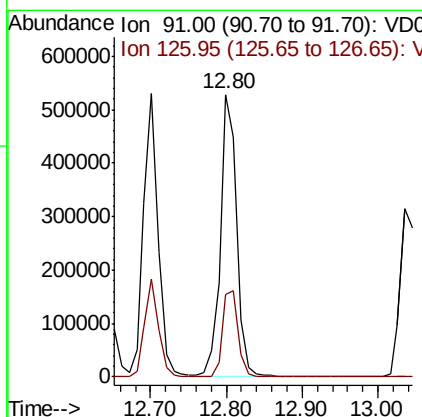
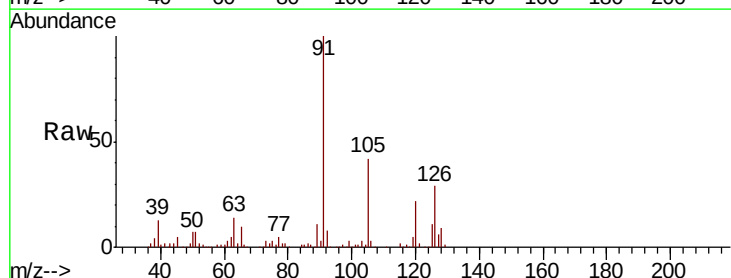
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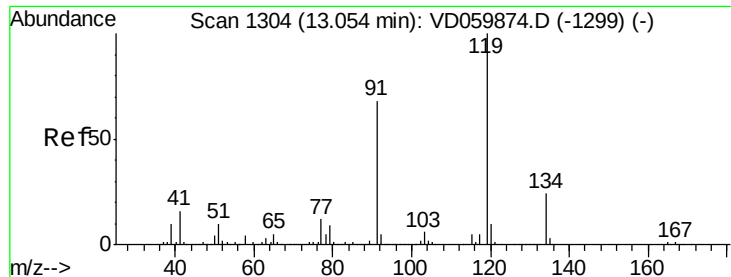
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#82
4-Chlorotoluene
Concen: 19.41 ug/l
RT: 12.80 min Scan# 1278
Delta R.T. -0.02 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.1	17.1	51.2





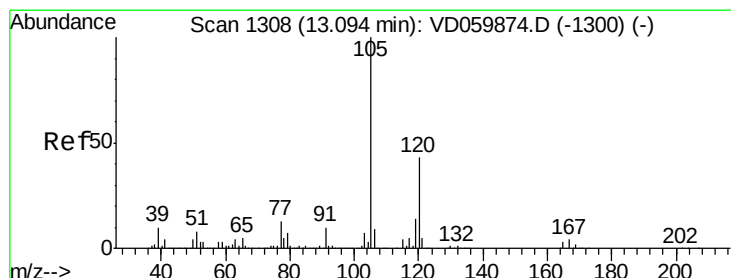
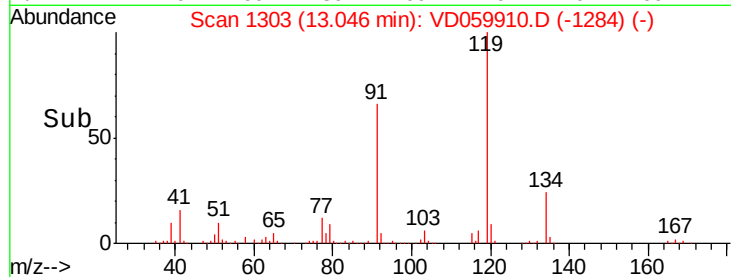
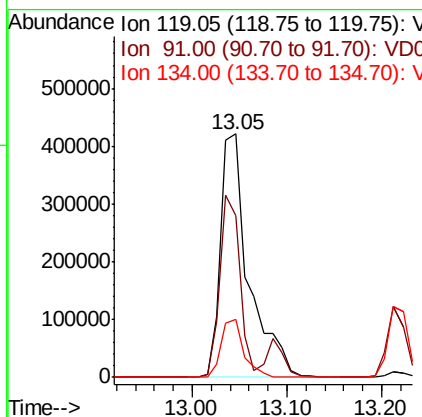
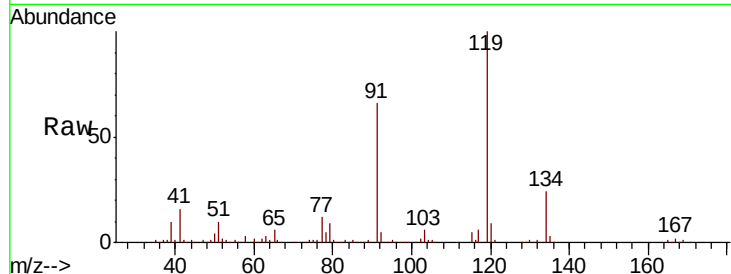
#83
tert-Butylbenzene
Concen: 19.23 ug/l
RT: 13.05 min Scan# 1303
Delta R.T. -0.01 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	872932		
91	66.3		34.3	102.9
134	23.7		11.9	35.9

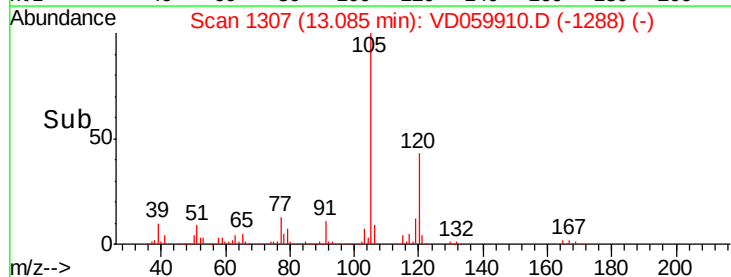
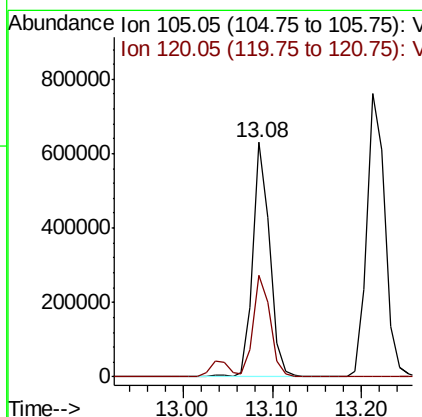
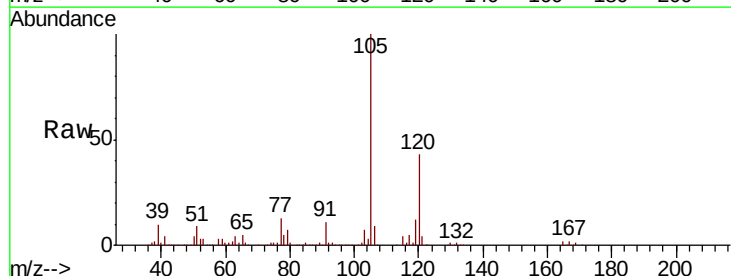
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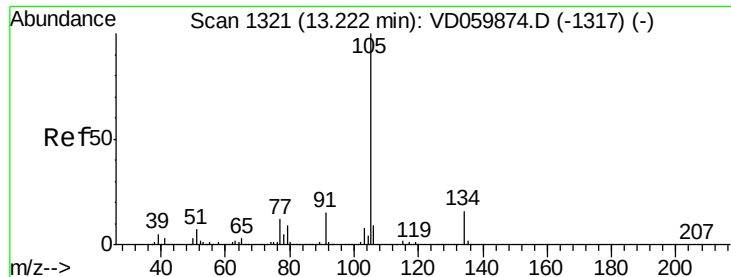
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#84
1,2,4-Trimethylbenzene
Concen: 19.68 ug/l
RT: 13.08 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VD059910.D
Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	817384		
120	43.1		21.8	65.3





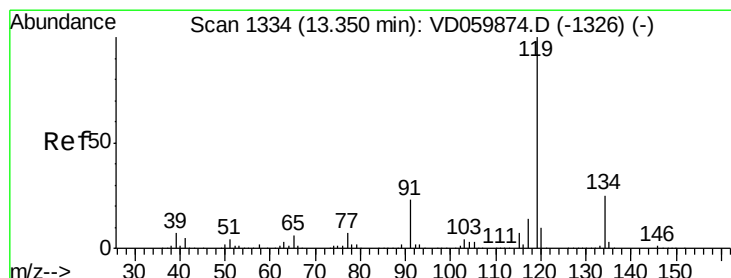
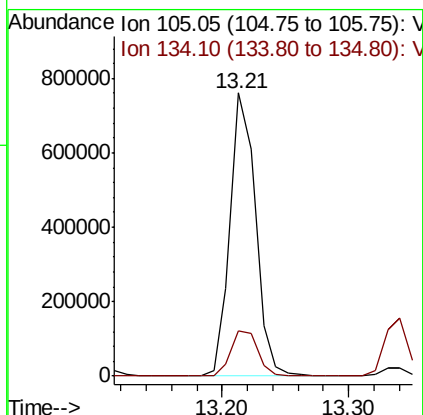
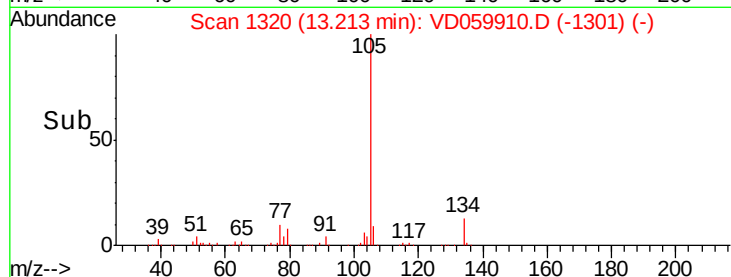
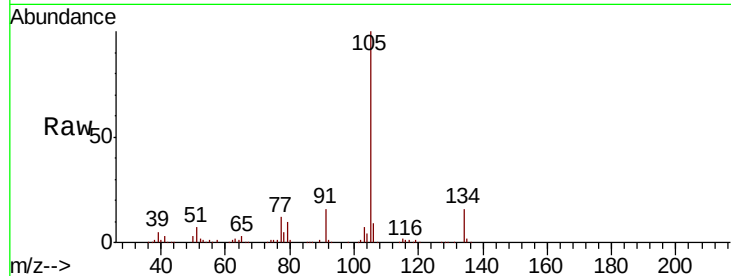
#85
 sec-Butylbenzene
 Concen: 19.84 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion:105 Resp: 1058867
 Ion Ratio Lower Upper
 105 100
 134 16.1 8.2 24.4

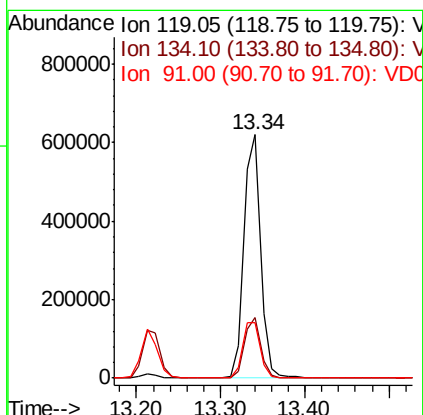
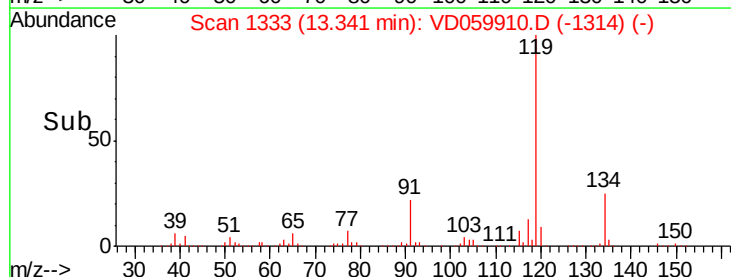
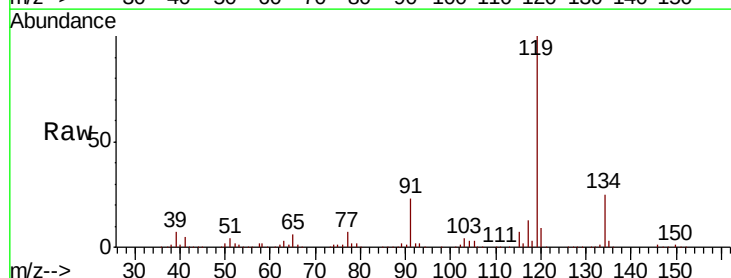
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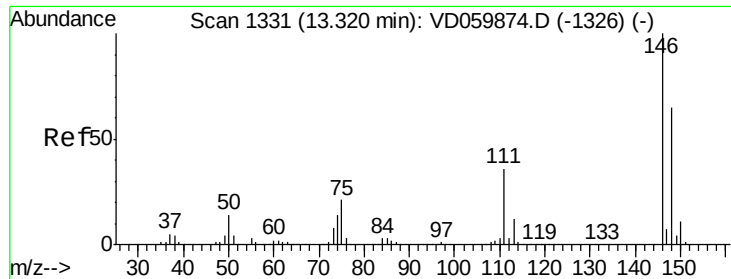
apatel
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#86
 p-Isopropyltoluene
 Concen: 19.70 ug/l
 RT: 13.34 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Tgt Ion:119 Resp: 855151
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.7 38.1
 91 22.6 11.7 35.0





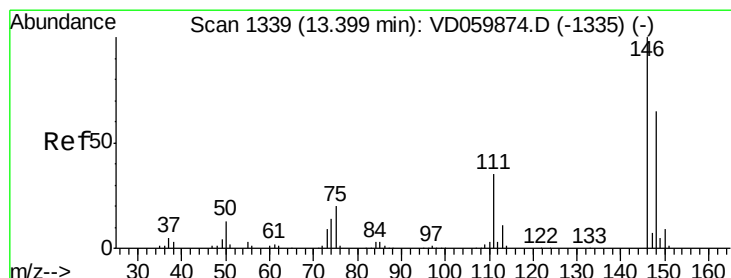
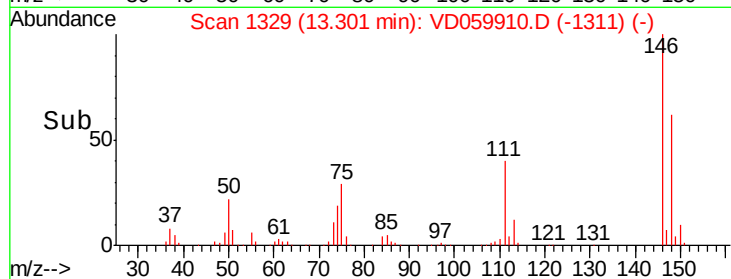
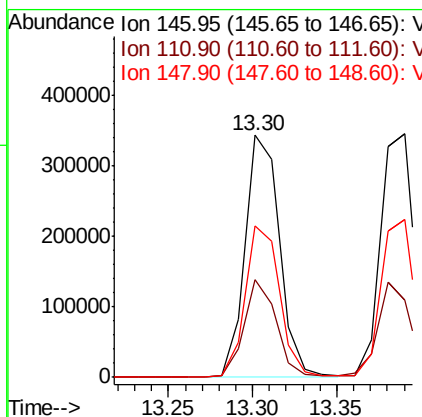
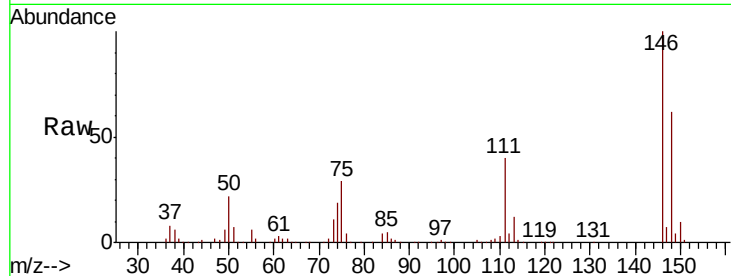
#87
 1,3-Dichlorobenzene
 Concen: 19.76 ug/l
 RT: 13.30 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	17.9	53.7
148	62.4	32.4	97.0

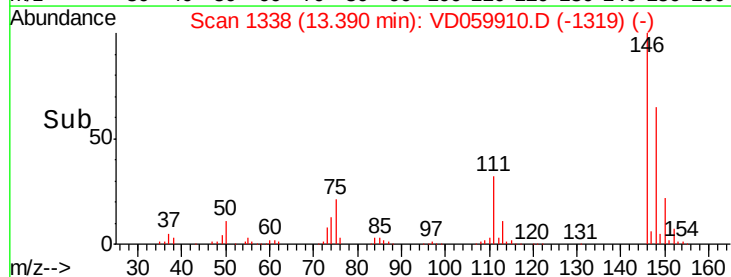
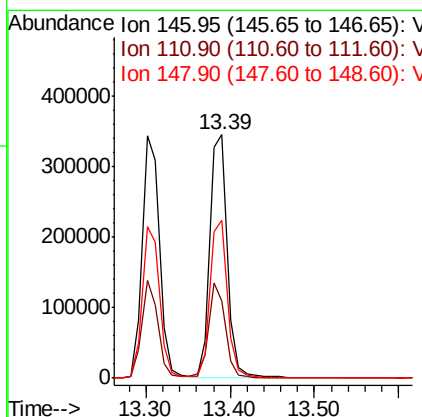
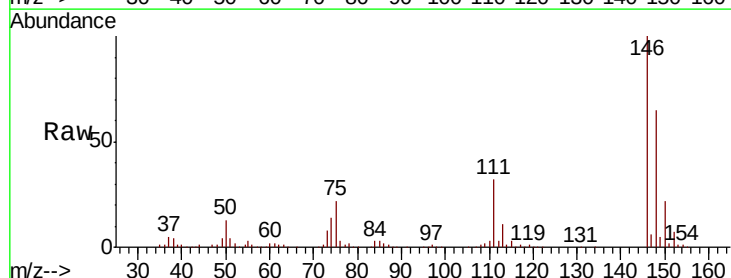
Manual Integrations
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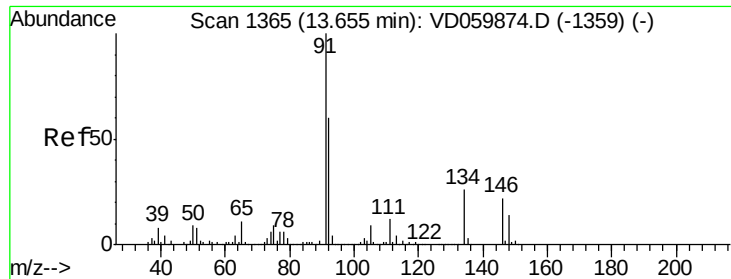
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#88
 1,4-Dichlorobenzene
 Concen: 20.13 ug/l
 RT: 13.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.0	17.5	52.6
148	64.7	32.5	97.5





#89

n-Butylbenzene

Concen: 19.69 ug/l

RT: 13.65 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

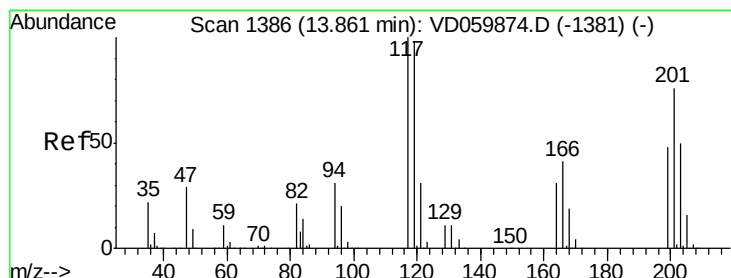
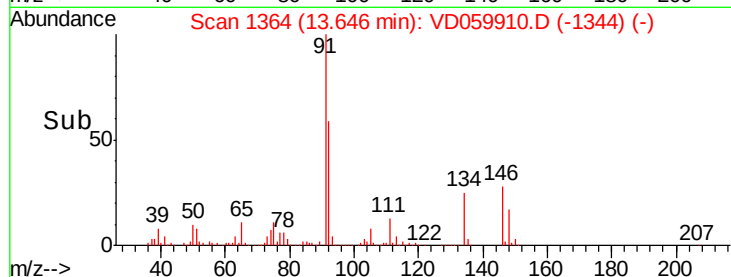
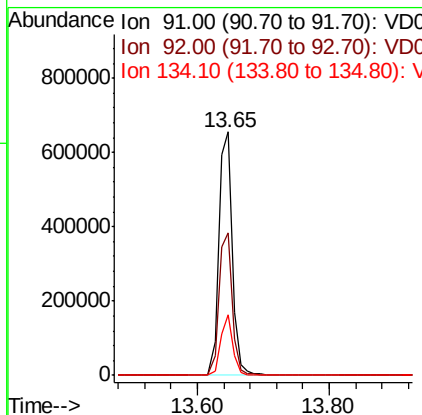
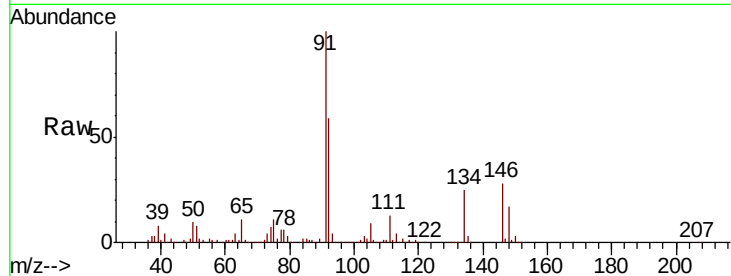
ClientSampleId :

VD0827SBS01

Tot Ion:	91	Resp:	927133
Ion	Ratio	Lower	Upper
91	100		
92	58.7	30.0	90.1
134	24.9	12.8	38.4

Manual Integrations
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#90

Hexachloroethane

Concen: 17.65 ug/l

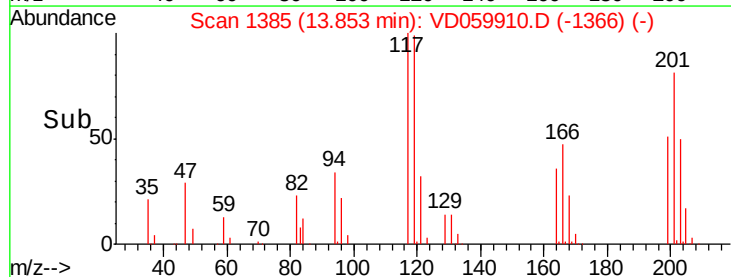
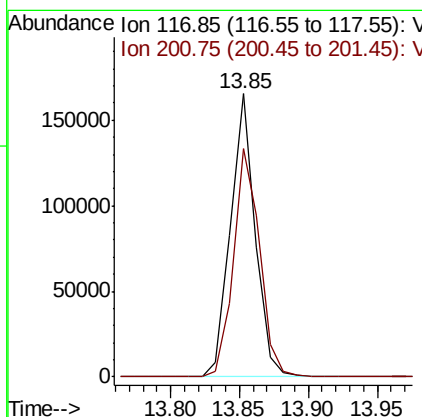
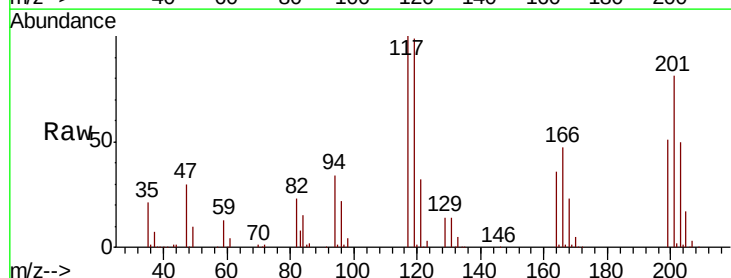
RT: 13.85 min Scan# 1385

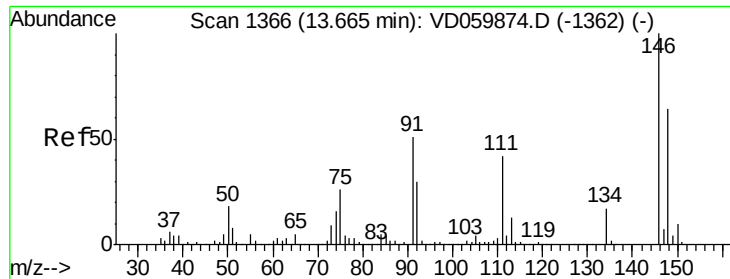
Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Tgt Ion:	117	Resp:	205693
Ion	Ratio	Lower	Upper
117	100		
201	80.8	38.1	114.5





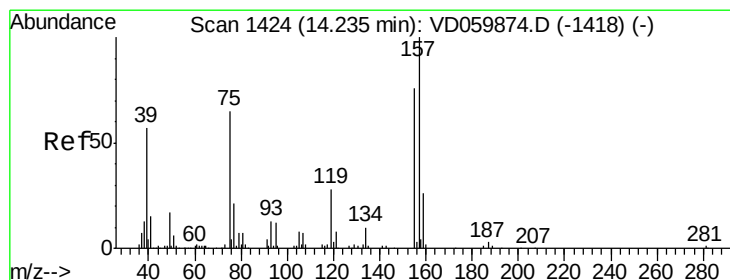
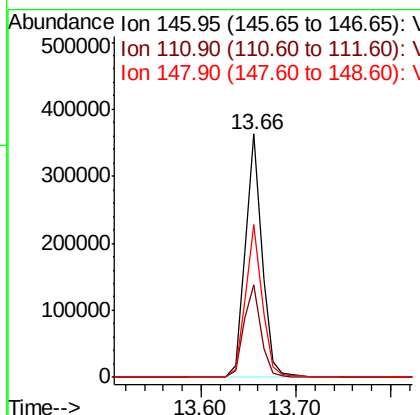
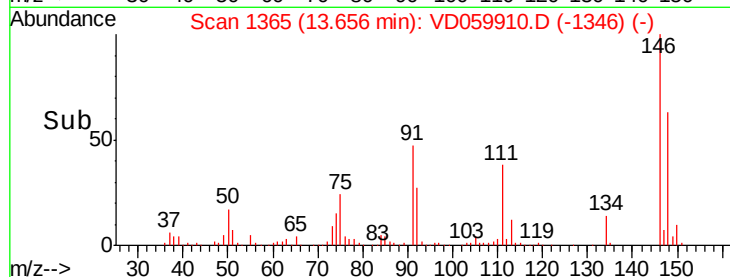
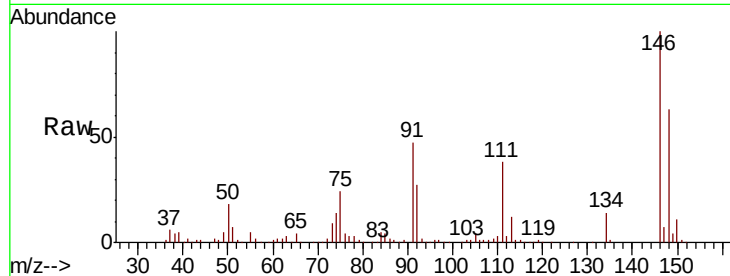
#91
 1,2-Dichlorobenzene
 Concen: 21.10 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	21.1	63.1
148	62.8	32.2	96.6

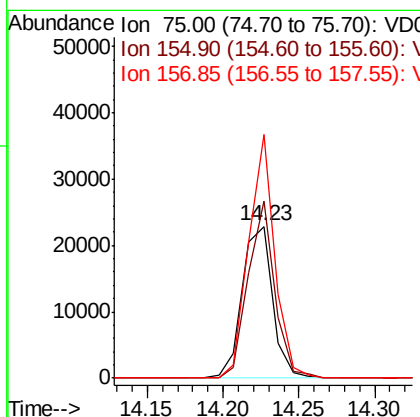
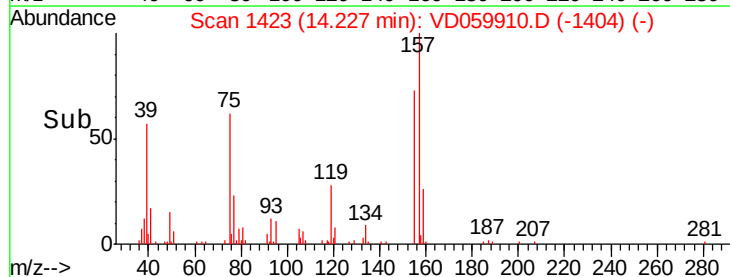
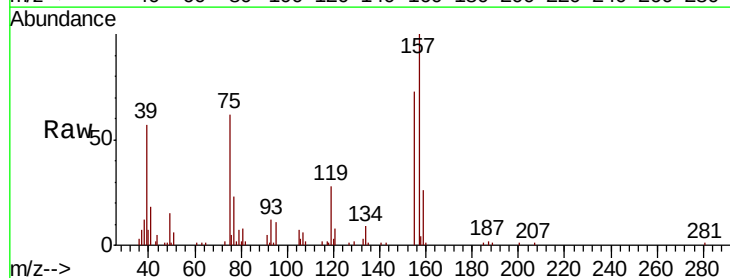
Manual Integrations
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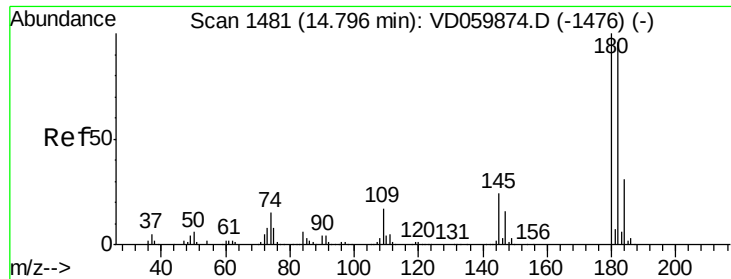
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.91 ug/l
 RT: 14.23 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	116.9	58.2	174.6
157	160.5	76.8	230.4





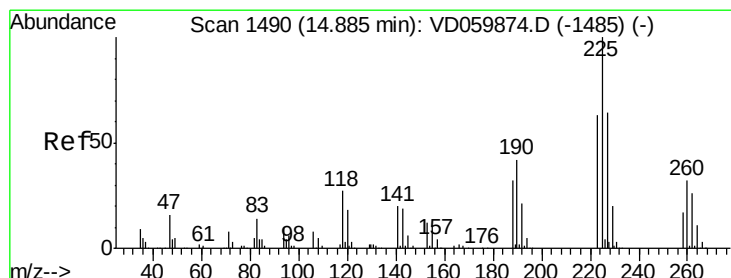
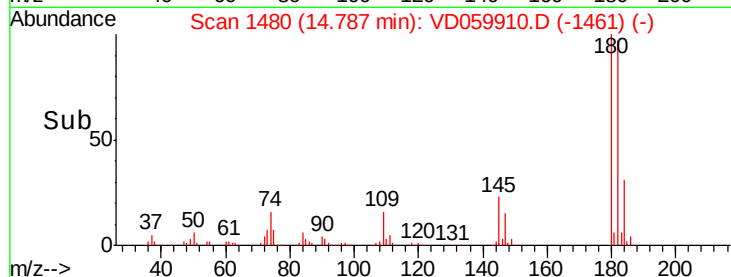
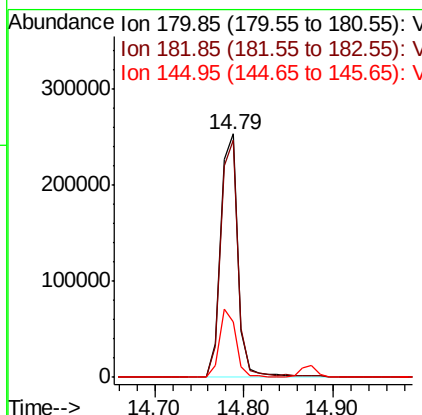
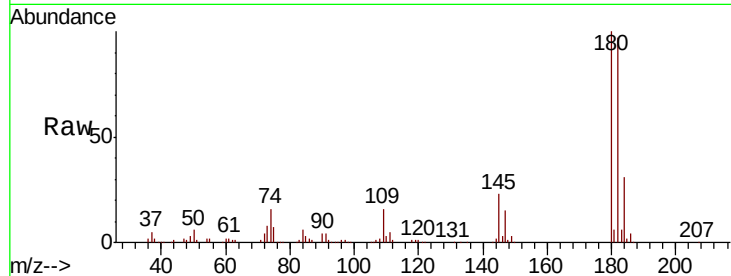
#93
 1,2,4-Trichlorobenzene
 Concen: 19.29 ug/l
 RT: 14.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	348451		
182	97.2	47.9	143.7	
145	22.9	12.2	36.4	

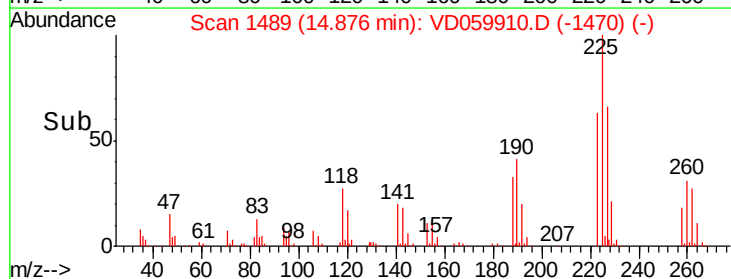
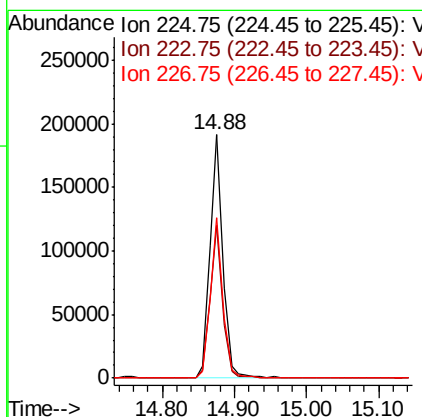
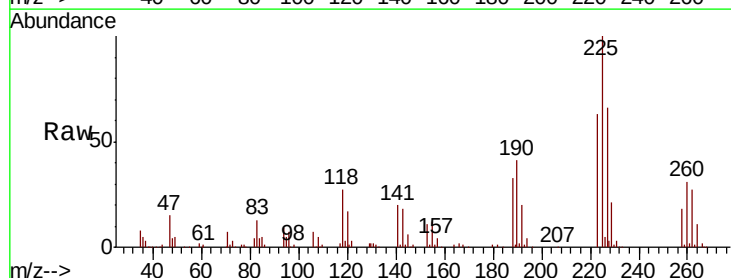
Manual Integrations
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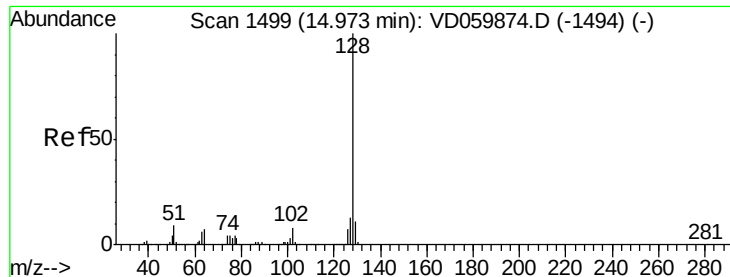
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#94
 Hexachlorobutadiene
 Concen: 19.86 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059910.D
 Acq: 27 Aug 2018 12:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	235138		
223	63.0	31.6	94.8	
227	65.9	32.0	96.0	





#95

Naphthalene

Concen: 19.69 ug/l

RT: 14.96 min Scan# 1498

Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Instrument :

MSVOA_D

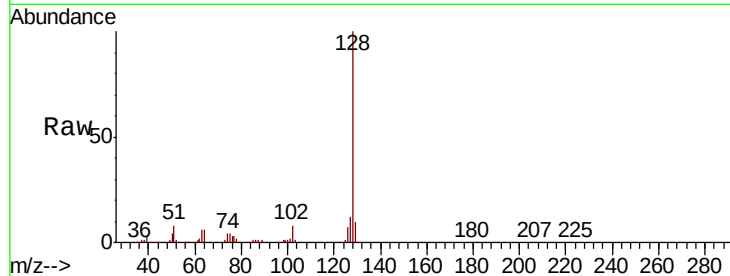
ClientSampleId :

VD0827SBS01

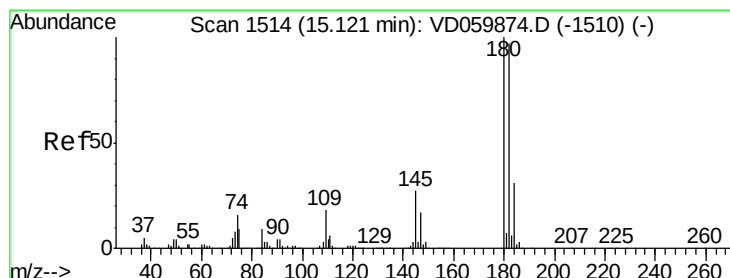
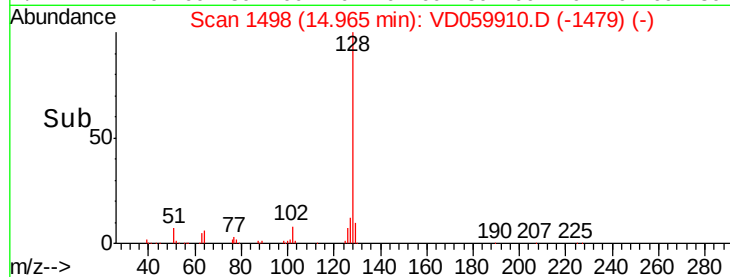
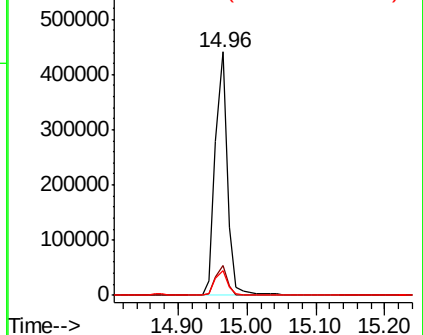
Tot Ion:	128	Resp:	543353
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.0	15.0
129	10.4	8.6	13.0

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



#96

1,2,3-Trichlorobenzene

Concen: 19.71 ug/l

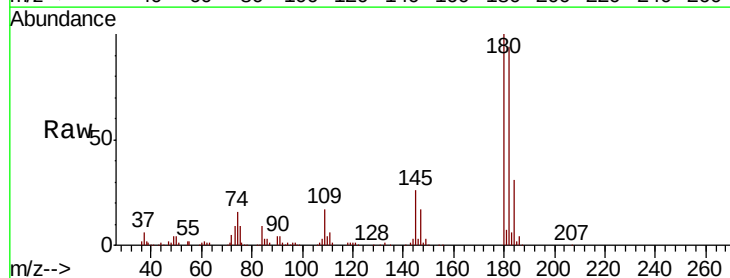
RT: 15.11 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VD059910.D

Acq: 27 Aug 2018 12:33

Tgt Ion:	180	Resp:	304442
Ion Ratio	Lower	Upper	
180	100		
182	93.7	48.6	145.8
145	25.6	13.6	40.8



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

