

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082718\
 Data File : VD059911.D
 Acq On : 27 Aug 2018 13:02
 Operator : JC/SY
 Sample : VD0827SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Manual Integrations
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 8/28/2018 2:12:32 PM

Quant Time: Aug 27 15:00:02 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	1151013	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	1645774	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1376153	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	723118	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	498970	51.43	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	6.30	113	643837	49.90	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	9.44	98	1799408	50.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.42	95	690266	47.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	181959	17.68	ug/l	100
3) Chloromethane	1.74	50	165750	17.78	ug/l	95
4) Vinyl Chloride	1.83	62	133307	18.24	ug/l	98
5) Bromomethane	2.12	94	12160	9.64	ug/l	87
6) Chloroethane	2.23	64	31523	11.90	ug/l	98
7) Trichlorofluoromethane	2.48	101	156150	18.47	ug/l	99
8) Diethyl Ether	2.80	74	36701	19.35	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.06	101	107267	20.72	ug/l	94
10) Methyl Iodide	3.22	142	83477	17.55	ug/l	99
11) Tert butyl alcohol	3.96	59	81125	109.59	ug/l	100
12) 1,1-Dichloroethene	3.04	96	78785	19.54	ug/l	96
13) Acrolein	2.96	56	24564	76.51	ug/l	92
14) Allyl chloride	3.51	41	186023	20.40	ug/l	96
15) Acrylonitrile	4.06	53	288699	104.15	ug/l	97
16) Acetone	3.14	43	183498	103.82	ug/l	98
17) Carbon Disulfide	3.29	76	191577	15.31	ug/l	99
18) Methyl Acetate	3.53	43	71545	19.39	ug/l	96
19) Methyl tert-butyl Ether	4.10	73	464069	20.35	ug/l	99
20) Methylene Chloride	3.69	84	271089	20.81	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	210458	18.95	ug/l	100
22) Diisopropyl ether	4.83	45	942040	20.26	ug/l	97
23) Vinyl Acetate	4.77	43	2829066	108.82	ug/l	100
24) 1,1-Dichloroethane	4.73	63	405859	20.20	ug/l	99
25) 2-Butanone	5.60	43	475399	90.82	ug/l	97
26) 2,2-Dichloropropane	5.56	77	318079	18.94	ug/l	98
27) cis-1,2-Dichloroethene	5.57	96	235457	19.36	ug/l	99
28) Bromochloromethane	5.90	49	207558	21.55	ug/l	96
29) Tetrahydrofuran	5.94	42	267576	107.37	ug/l	98
30) Chloroform	6.08	83	419578	20.55	ug/l	100
31) Cyclohexane	6.34	56	322751	17.47	ug/l	96
32) 1,1,1-Trichloroethane	6.27	97	346621	20.00	ug/l	98
36) 1,1-Dichloropropene	6.50	75	285794	19.16	ug/l	96
37) Ethyl Acetate	5.68	43	226062	19.47	ug/l	98
38) Carbon Tetrachloride	6.48	117	281960	18.73	ug/l	100

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 Sample : VD0827SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0827SBS01

Manual Integrations
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 8/28/2018 2:12:32 PM

Quant Time: Aug 27 15:00:02 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	8.02	83	279813	17.36	ug/l	99
40) Benzene	6.77	78	757492	19.53	ug/l	100
41) Methacrylonitrile	5.91	41	129201m	22.09	ug/l	
42) 1,2-Dichloroethane	6.87	62	242723	19.49	ug/l	99
43) Isopropyl Acetate	8.34	43	300576	19.90	ug/l #	100
44) Trichloroethene	7.72	130	223617	19.58	ug/l	95
45) 1,2-Dichloropropane	8.09	63	213527	19.69	ug/l	97
46) Dibromomethane	8.20	93	139888	20.06	ug/l	98
47) Bromodichloromethane	8.48	83	309473	19.61	ug/l	99
48) Methyl methacrylate	8.23	41	173079	19.66	ug/l	97
49) 1,4-Dioxane	8.22	88	32832	417.69	ug/l	99
51) 4-Methyl-2-Pentanone	9.33	43	969041	86.06	ug/l	98
52) Toluene	9.54	92	481554	19.36	ug/l	97
53) t-1,3-Dichloropropene	9.90	75	288909	19.79	ug/l	96
54) cis-1,3-Dichloropropene	9.09	75	329750	19.48	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	181117	19.92	ug/l	97
56) Ethyl methacrylate	10.02	69	208670	19.89	ug/l	96
57) 1,3-Dichloropropane	10.37	76	275636	20.94	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	584174	116.04	ug/l	100
59) 2-Hexanone	10.48	43	763921	91.98	ug/l	99
60) Dibromochloromethane	10.63	129	229475	20.08	ug/l	94
61) 1,2-Dibromoethane	10.75	107	180652	19.65	ug/l	98
64) Tetrachloroethene	10.24	164	206621	19.42	ug/l	99
65) Chlorobenzene	11.31	112	562375	20.56	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	206091	20.63	ug/l	100
67) Ethyl Benzene	11.42	91	949838	20.65	ug/l	99
68) m/p-Xylenes	11.56	106	703342	41.99	ug/l	95
69) o-Xylene	11.93	106	348205	21.25	ug/l	98
70) Styrene	11.95	104	604615	21.31	ug/l	98
71) Bromoform	12.11	173	170943	19.77	ug/l	99
73) Isopropylbenzene	12.27	105	938356	20.33	ug/l	99
74) N-amyl acetate	12.13	43	418827	20.72	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	223222	20.91	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	232721	20.71	ug/l	99
77) Bromobenzene	12.53	156	270834	21.16	ug/l	96
78) n-propylbenzene	12.63	91	1195273	20.45	ug/l	97
79) 2-Chlorotoluene	12.70	91	678085	20.51	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	765740	20.87	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	67293	19.25	ug/l	98
82) 4-Chlorotoluene	12.81	91	806150	21.38	ug/l	97
83) tert-Butylbenzene	13.04	119	880303	21.06	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	805711	21.06	ug/l	97
85) sec-Butylbenzene	13.22	105	1023054	20.81	ug/l	97
86) p-Isopropyltoluene	13.34	119	837720	20.95	ug/l	98
87) 1,3-Dichlorobenzene	13.31	146	484671	21.21	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	490681	21.52	ug/l	98
89) n-Butylbenzene	13.64	91	880132	20.37	ug/l	97
90) Hexachloroethane	13.85	117	208236	19.40	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	436529	22.47	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	31378	19.11	ug/l	87

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

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

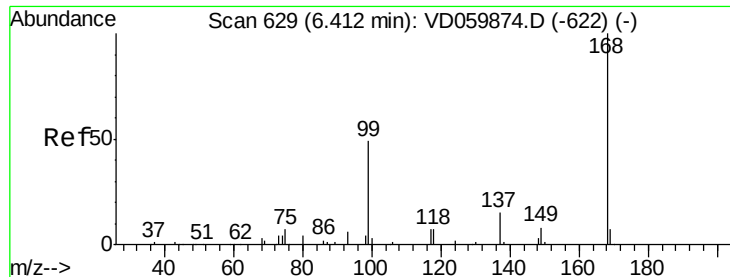
Manual Integrations
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Quant Time: Aug 27 15:00:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	344971	20.74	ug/l	98
94) Hexachlorobutadiene	14.87	225	227717	20.88	ug/l	98
95) Naphthalene	14.96	128	523418	20.59	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	300269	21.11	ug/l	97

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



#1

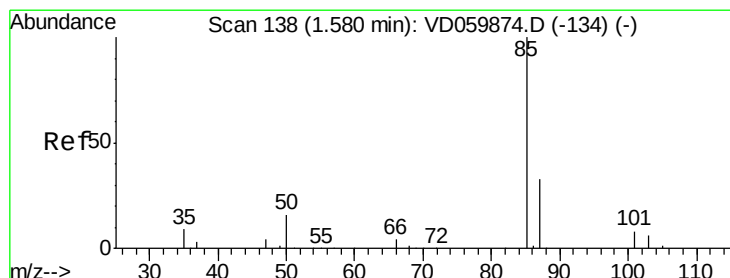
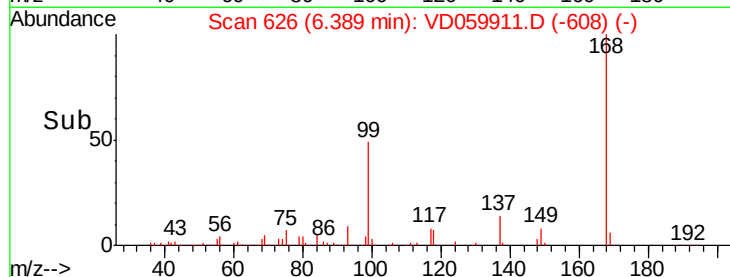
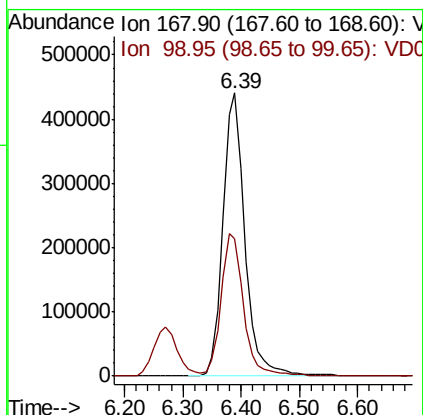
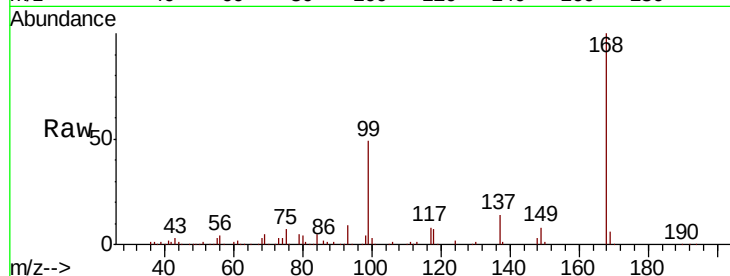
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 6.39 min Scan# 626
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion:168 Resp: 1151013
Ion Ratio Lower Upper
168 100
99 48.7 42.2 63.2

Manual Integrations
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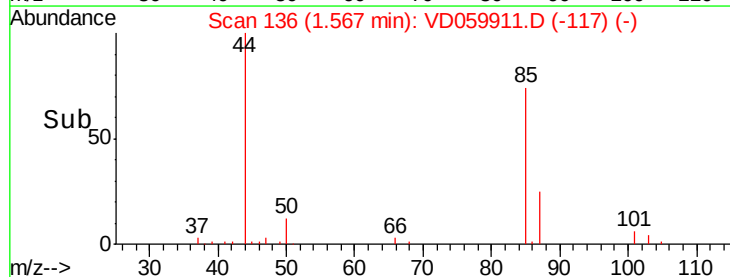
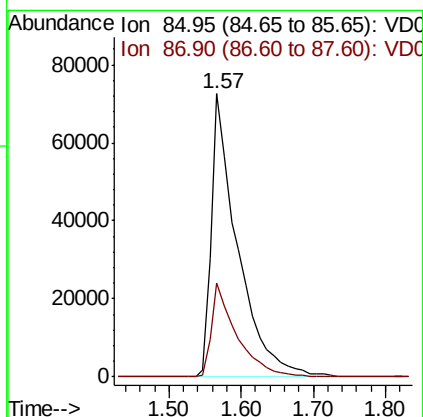
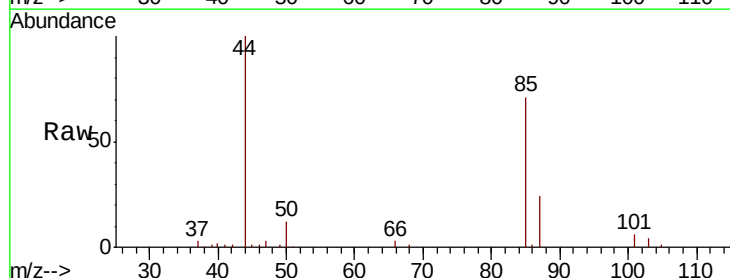
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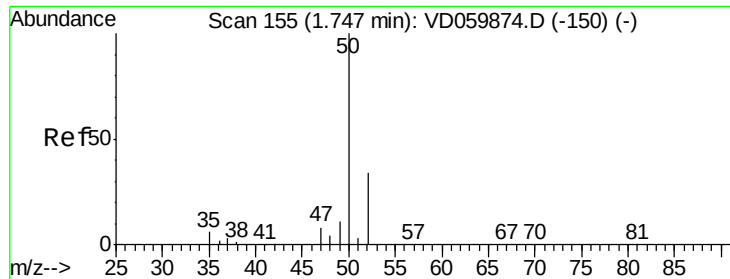


#2

Dichlorodifluoromethane
Concen: 17.68 ug/l
RT: 1.57 min Scan# 136
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion: 85 Resp: 181959
Ion Ratio Lower Upper
85 100
87 33.4 16.8 50.3





#3

Chloromethane

Concen: 17.78 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.00 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 50 Resp: 165750

Ion Ratio Lower Upper

50 100

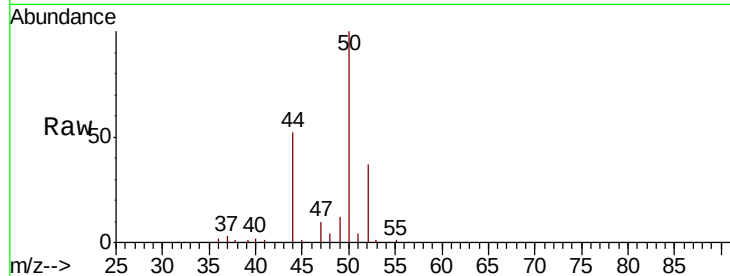
52 36.6 27.0 40.6

Manual Integrations

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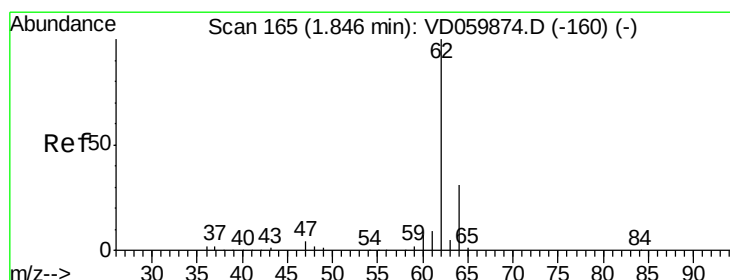
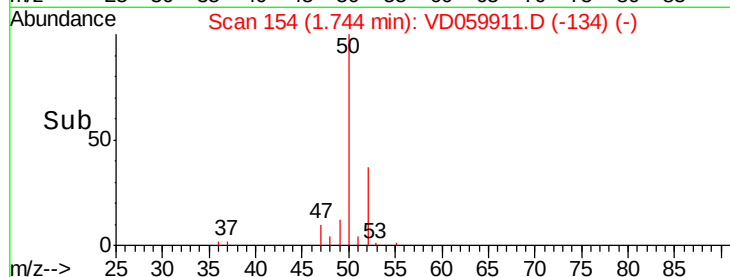
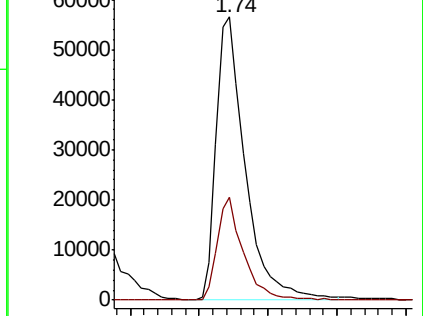
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.24 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD059911.D

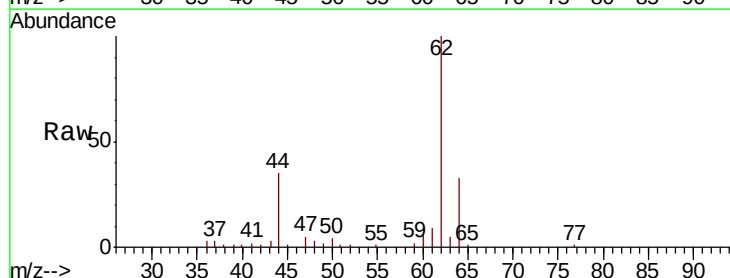
Acq: 27 Aug 2018 13:02

Tgt Ion: 62 Resp: 133307

Ion Ratio Lower Upper

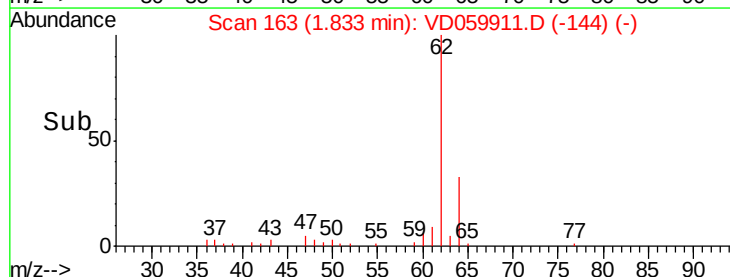
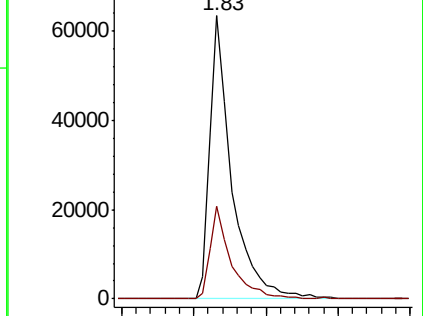
62 100

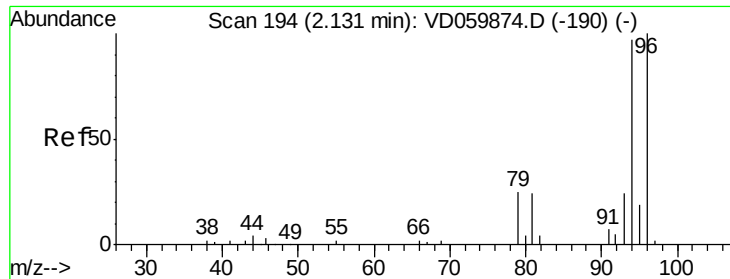
64 32.5 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 9.64 ug/l

RT: 2.12 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 94 Resp: 12160

Ion Ratio Lower Upper

94 100

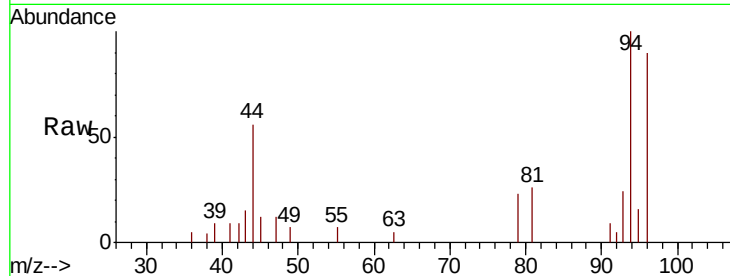
96 89.8 82.4 123.6

Manual Integrations

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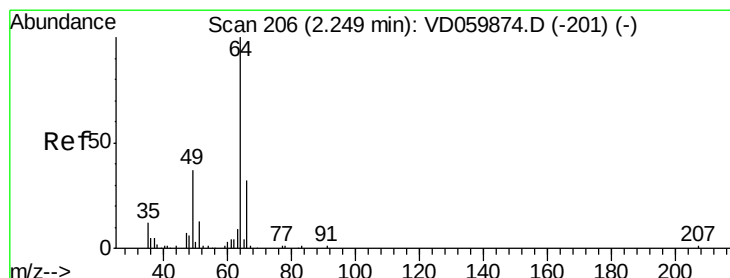
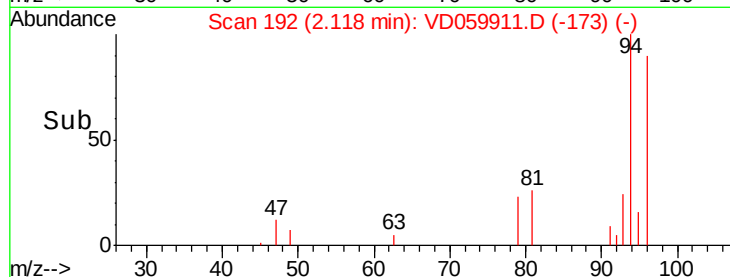
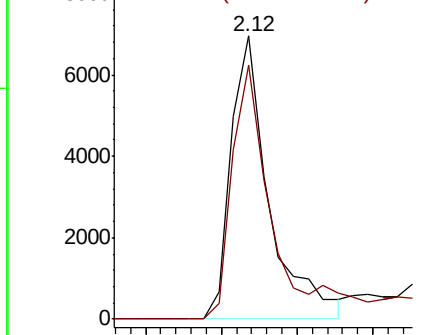
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.90 ug/l

RT: 2.23 min Scan# 203

Delta R.T. -0.02 min

Lab File: VD059911.D

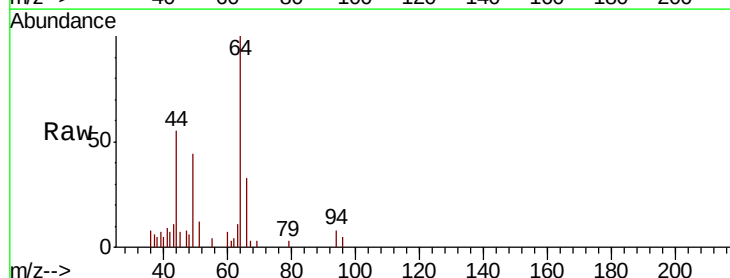
Acq: 27 Aug 2018 13:02

Tgt Ion: 64 Resp: 31523

Ion Ratio Lower Upper

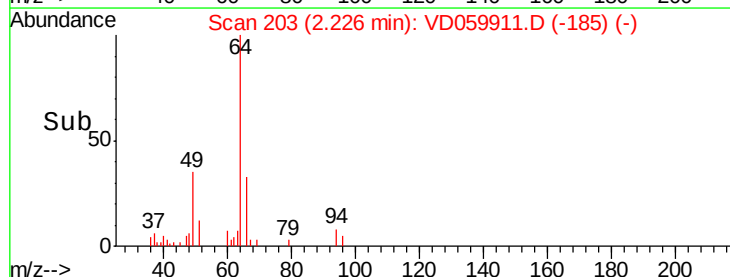
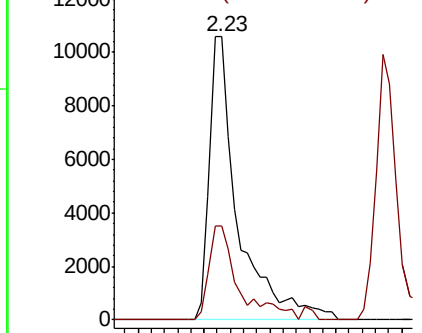
64 100

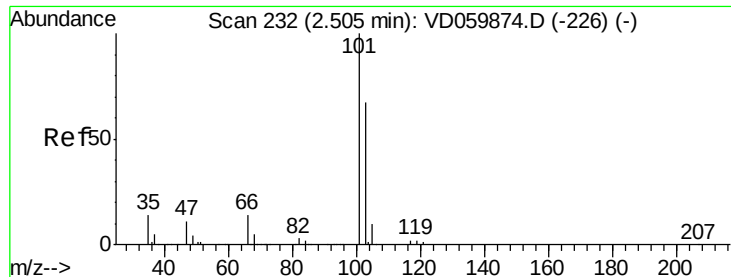
66 33.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 18.47 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion:101 Resp: 156150

Ion Ratio Lower Upper

101 100

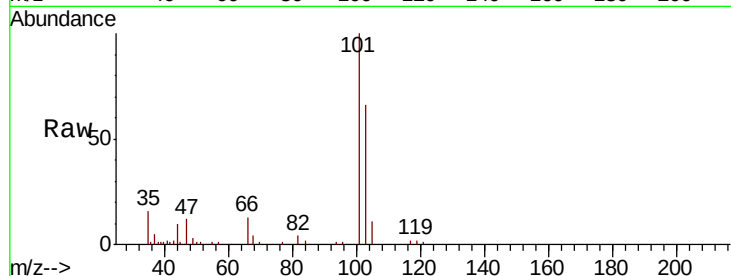
103 66.3 53.7 80.5

Manual Integrations

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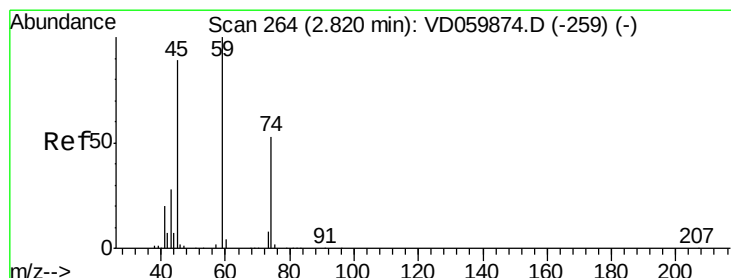
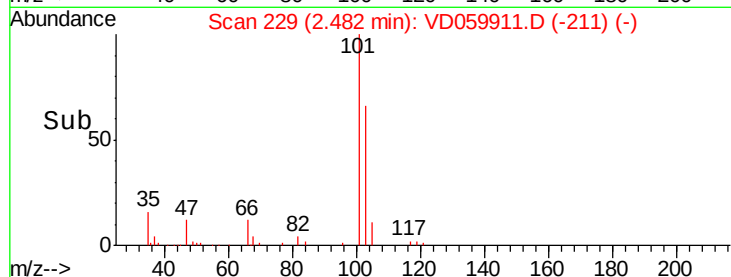
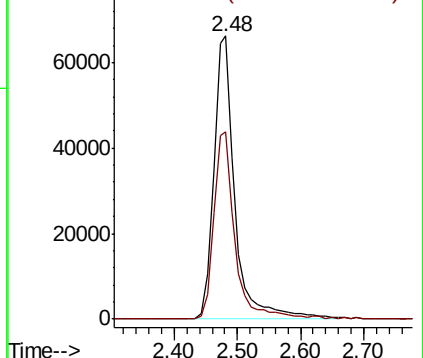
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 19.35 ug/l

RT: 2.80 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD059911.D

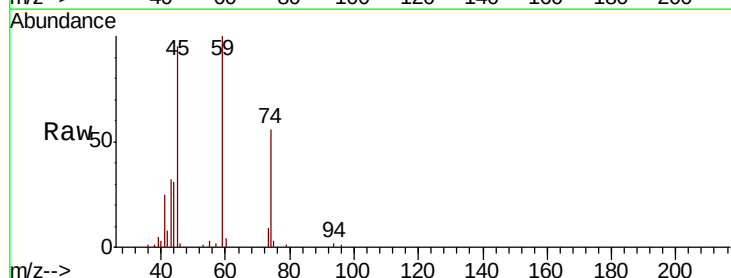
Acq: 27 Aug 2018 13:02

Tgt Ion: 74 Resp: 36701

Ion Ratio Lower Upper

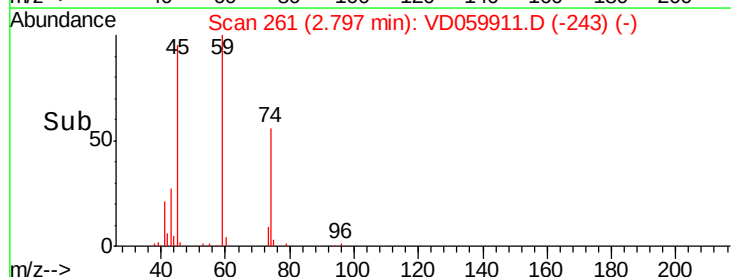
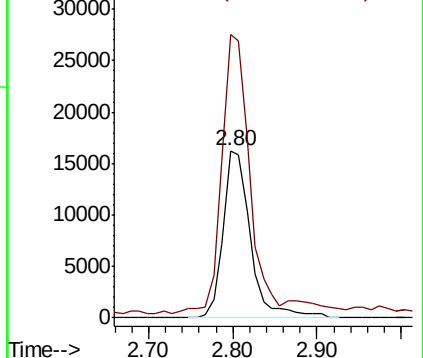
74 100

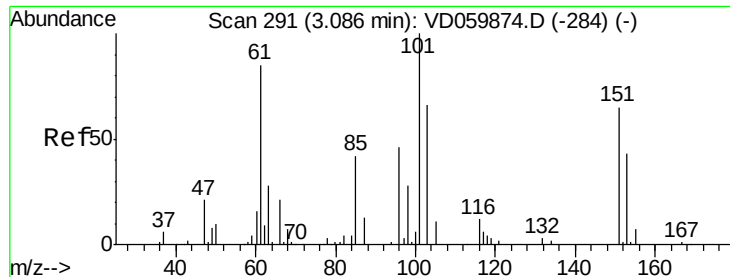
45 169.0 85.7 257.1



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: 20.72 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

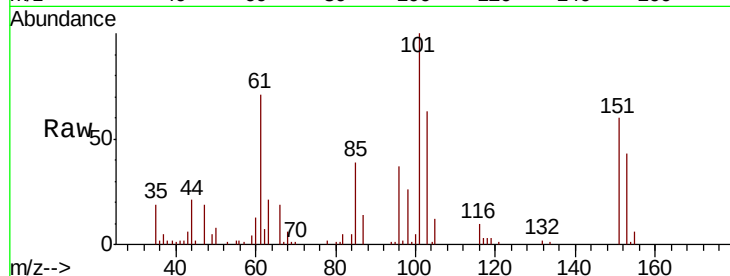
ClientSampleId :

VD0827SBS01

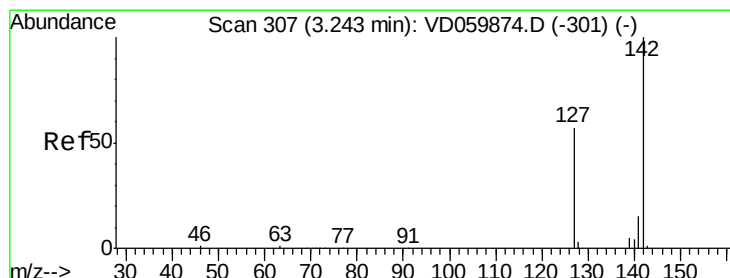
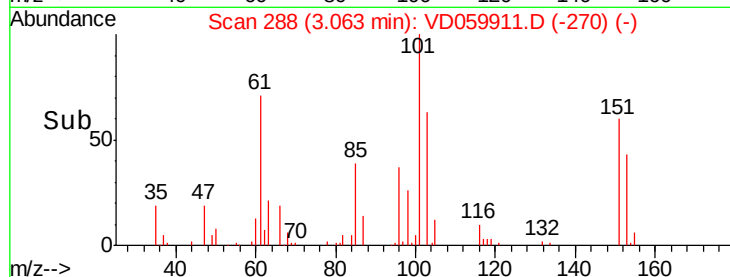
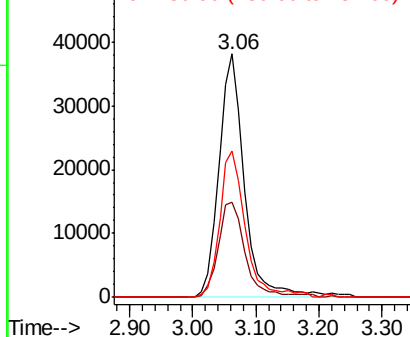
Tot Ion:	101	Resp:	107267
Ion Ratio	Lower	Upper	
101	100		
85	38.8	33.6	50.4
151	60.2	52.0	78.0

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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: 17.55 ug/l

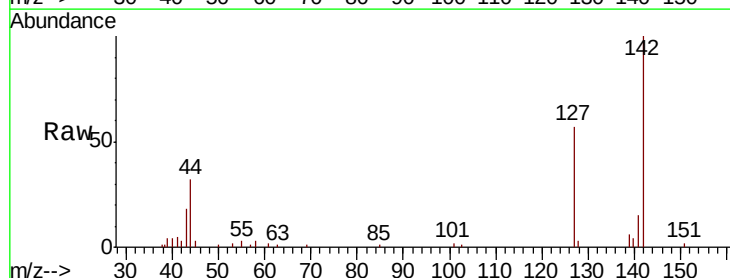
RT: 3.22 min Scan# 304

Delta R.T. -0.02 min

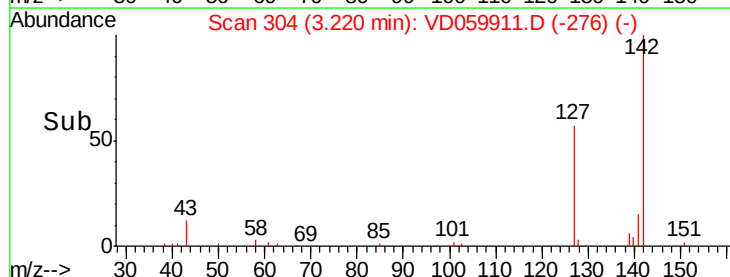
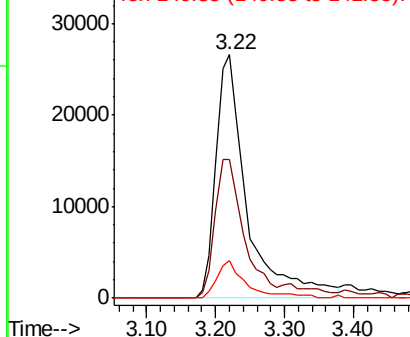
Lab File: VD059911.D

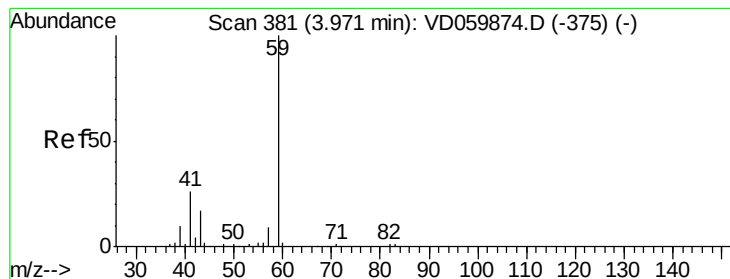
Acq: 27 Aug 2018 13:02

Tgt Ion:	142	Resp:	83477
Ion Ratio	Lower	Upper	
142	100		
127	56.8	45.8	68.6
141	15.3	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

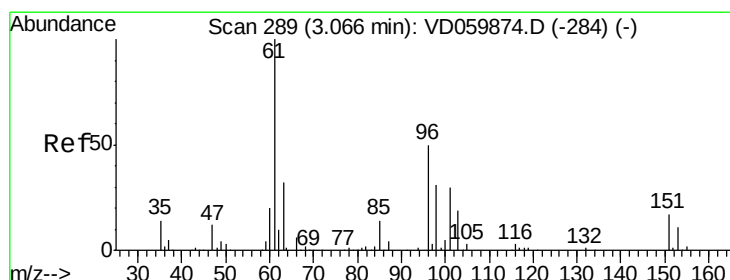
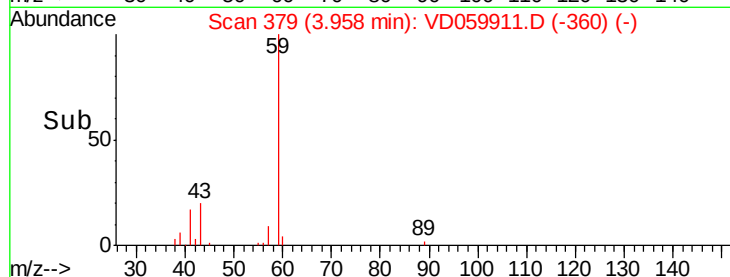
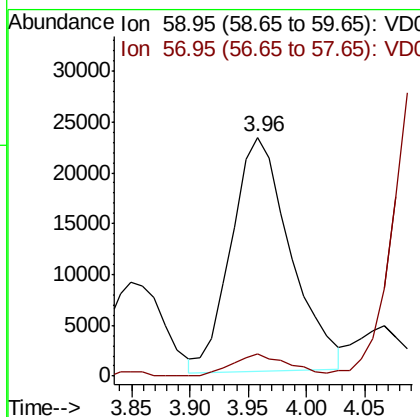
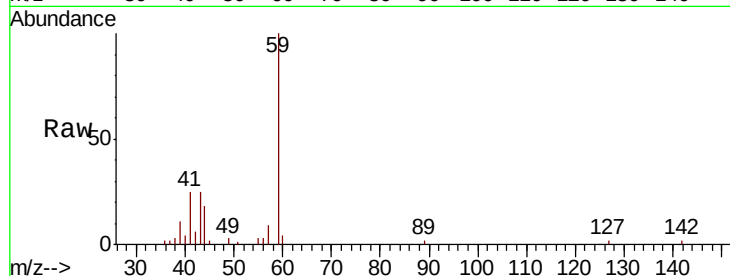
Tert butyl alcohol
 Concen: 109.59 ug/l
 RT: 3.96 min Scan# 379
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBSD01

Tot Ion	59	Resp	81125
Ion Ratio	100	Lower	Upper
57	9.1	7.4	11.0

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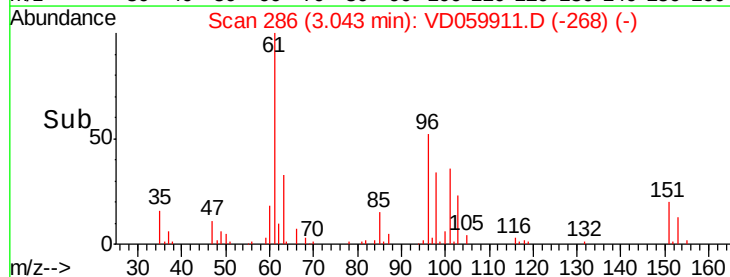
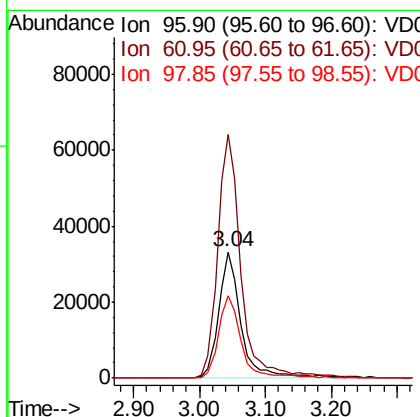
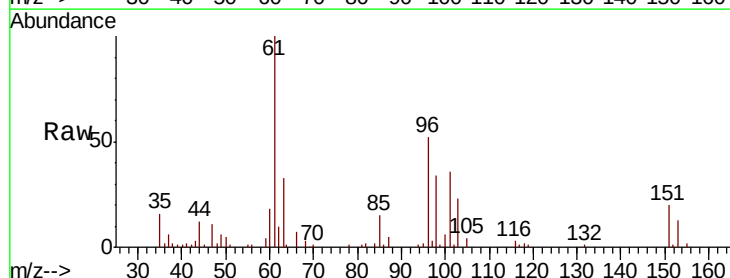
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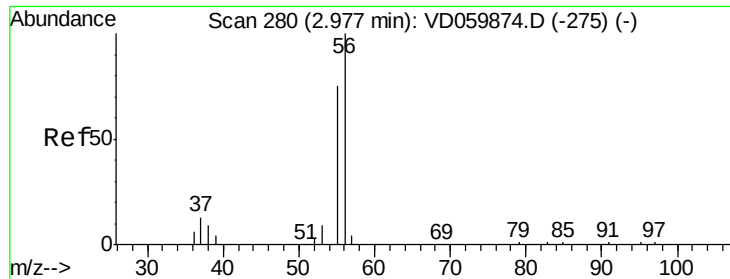


#12

1,1-Dichloroethene
 Concen: 19.54 ug/l
 RT: 3.04 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion	96	Resp	78785
Ion Ratio	100	Lower	Upper
61	192.9	158.8	238.2
98	65.3	48.7	73.1





#13

Acrolein

Concen: 76.51 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBSD01

Tot Ion: 56 Resp: 24564

Ion Ratio Lower Upper

56 100

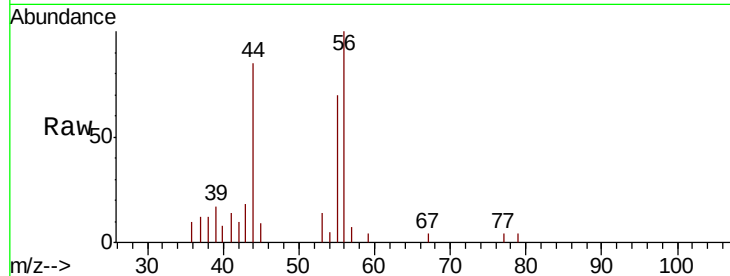
55 70.2 61.9 92.9

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96

10000

8000

6000

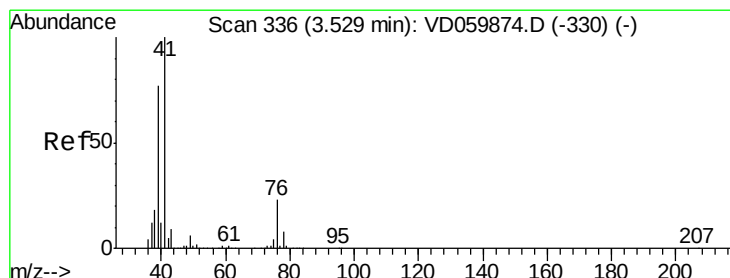
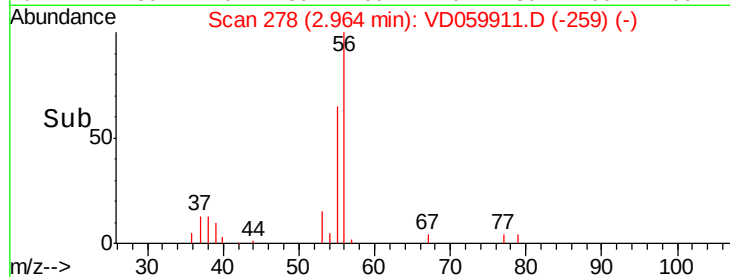
4000

2000

0

Time-->

2.90 3.00 3.10



#14

Allyl chloride

Concen: 20.40 ug/l

RT: 3.51 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

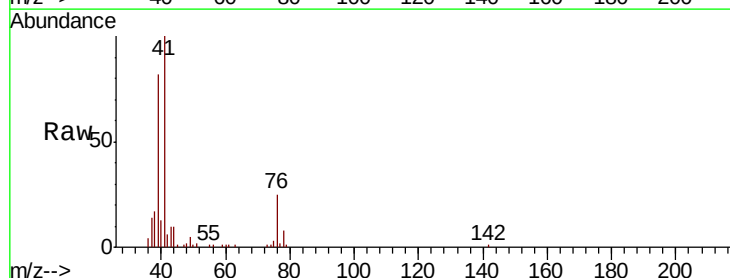
Tgt Ion: 41 Resp: 186023

Ion Ratio Lower Upper

41 100

39 81.9 61.8 92.6

76 24.8 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

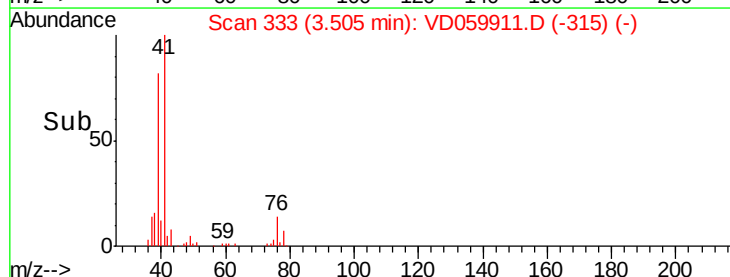
40000

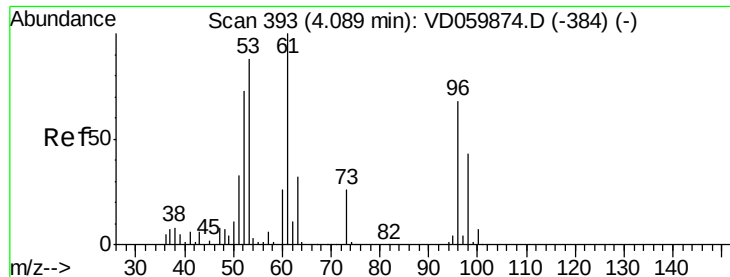
20000

0

Time-->

3.40 3.50 3.60





#15

Acrylonitrile

Concen: 104.15 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

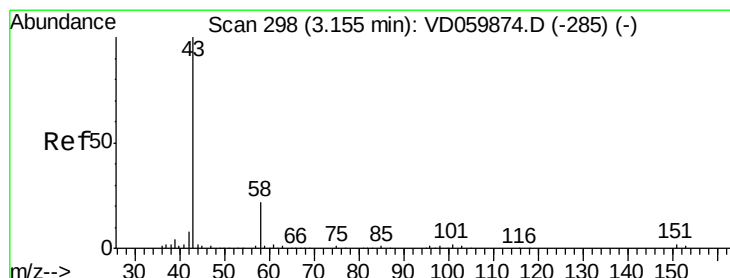
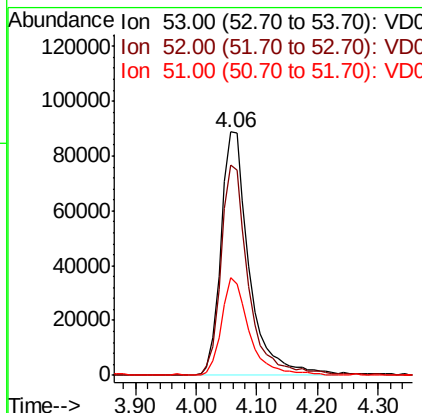
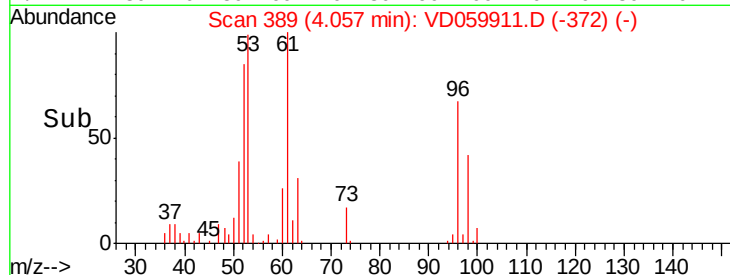
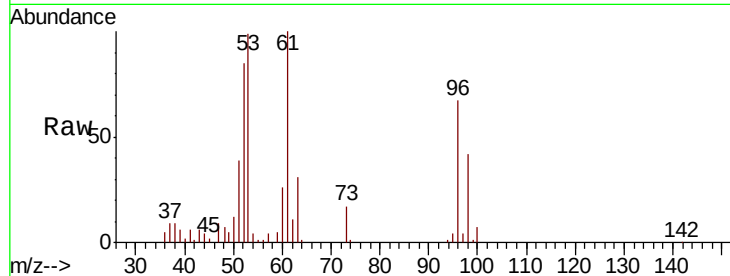
ClientSampleId :

VD0827SBSD01

Tot Ion:	53	Resp:	288699
Ion	Ratio	Lower	Upper
53	100		
52	86.5	66.9	100.3
51	39.9	30.3	45.5

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#16

Acetone

Concen: 103.82 ug/l

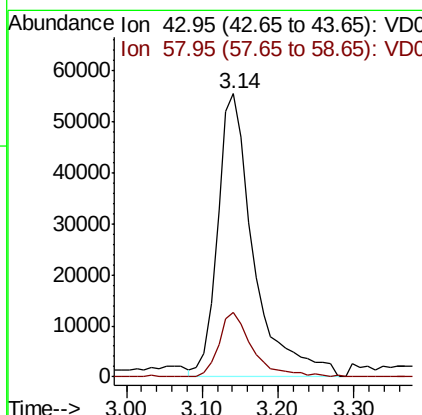
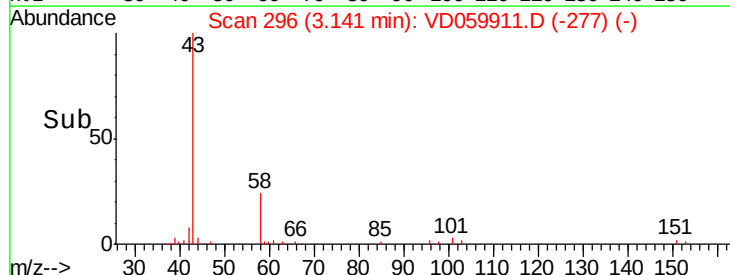
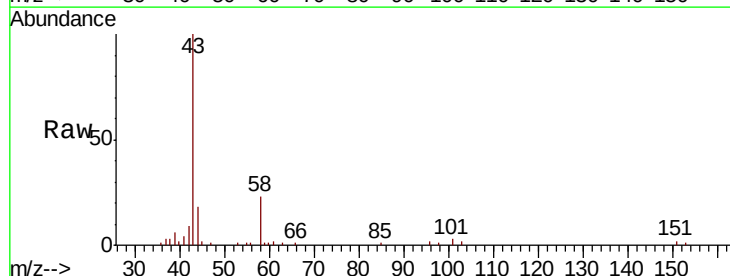
RT: 3.14 min Scan# 296

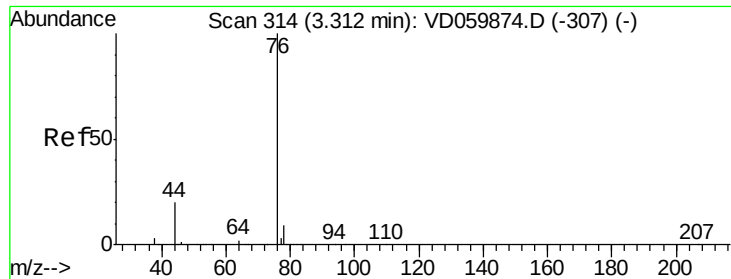
Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Tgt Ion:	43	Resp:	183498
Ion	Ratio	Lower	Upper
43	100		
58	23.0	17.6	26.4





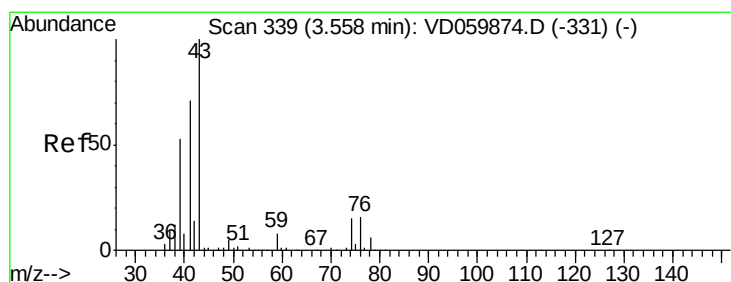
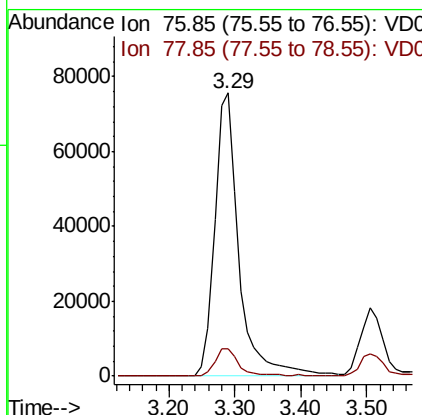
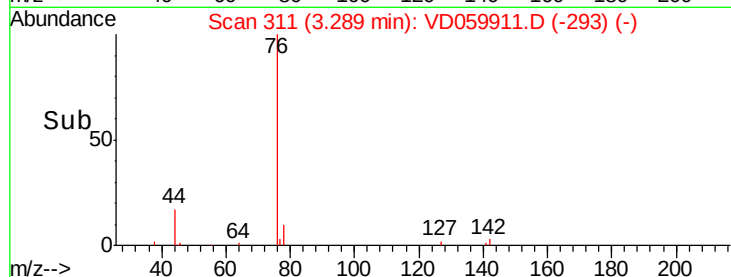
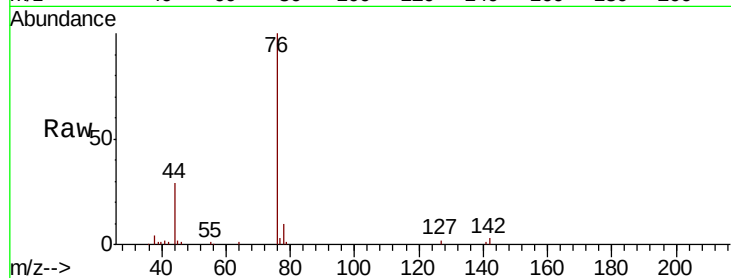
#17
Carbon Disulfide
Concen: 15.31 ug/l
RT: 3.29 min Scan# 311
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

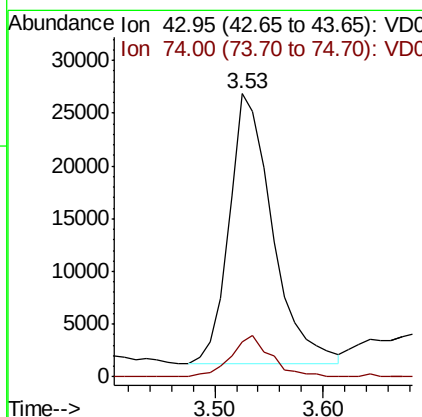
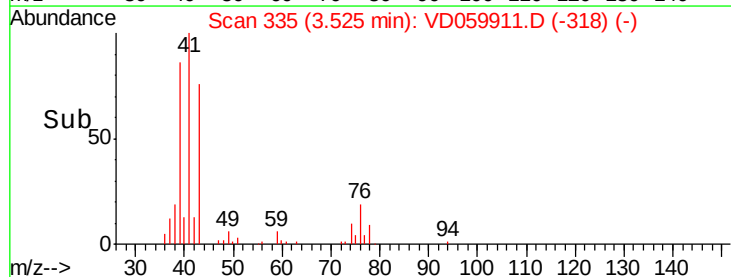
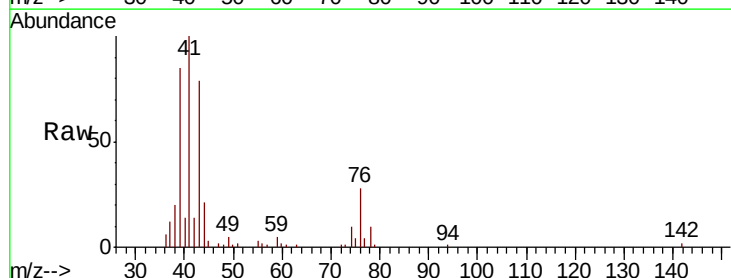
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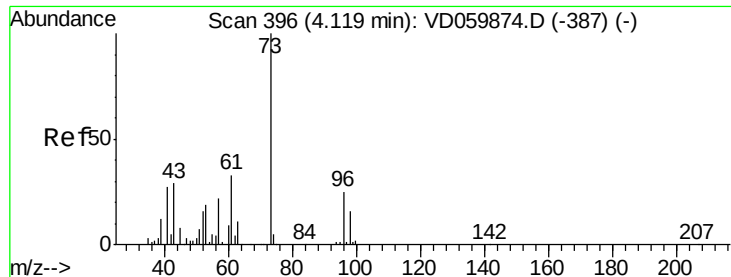
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#18
Methyl Acetate
Concen: 19.39 ug/l
RT: 3.53 min Scan# 335
Delta R.T. -0.03 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.5	11.2	16.8





#19

Methyl tert-butyl Ether

Concen: 20.35 ug/l

RT: 4.10 min Scan# 393

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 73 Resp: 464069

Ion Ratio Lower Upper

73 100

57 22.0

17.9

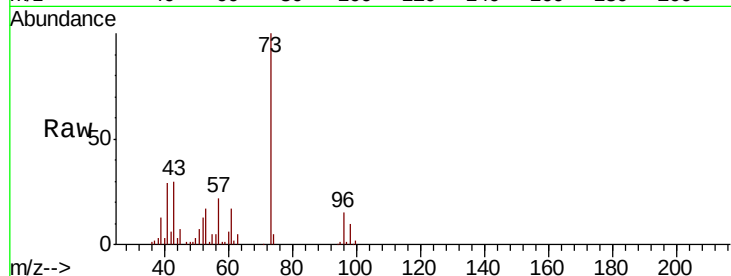
26.9

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Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

4.10

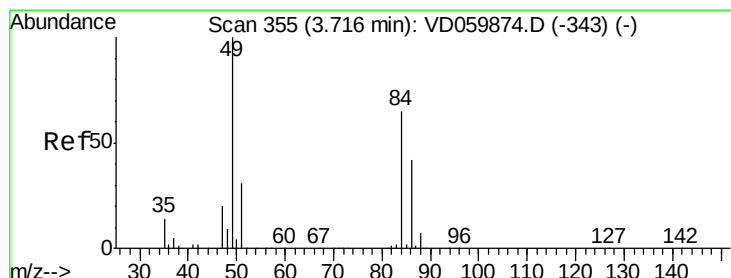
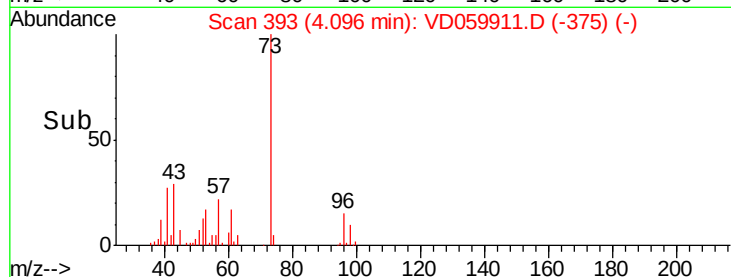
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20 4.30



#20

Methylene Chloride

Concen: 20.81 ug/l

RT: 3.69 min Scan# 352

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Tgt Ion: 84 Resp: 271089

Ion Ratio Lower Upper

84 100

49 146.9

122.6

183.8

51 45.7

38.4

57.6

86 65.8

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

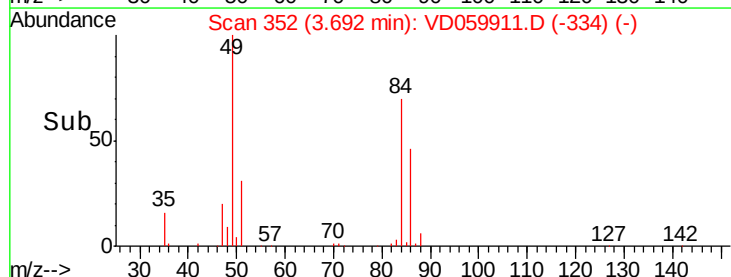
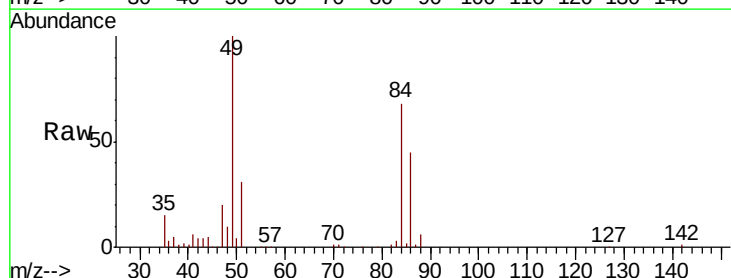
150000

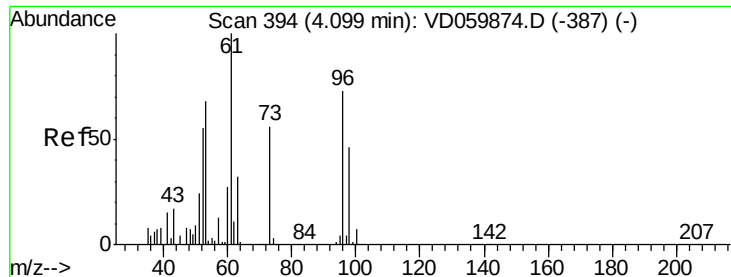
100000

50000

0

Time--> 3.60 3.70 3.80 3.90





#21

trans-1,2-Dichloroethene

Concen: 18.95 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

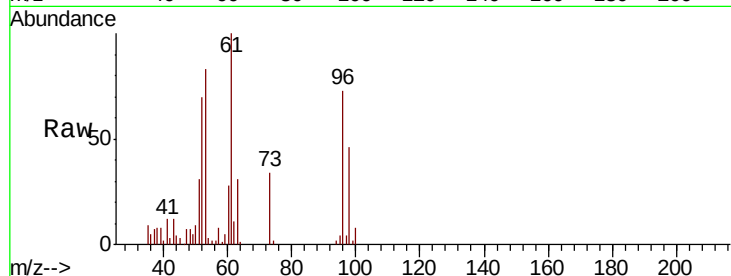
ClientSampleId :

VD0827SBS01

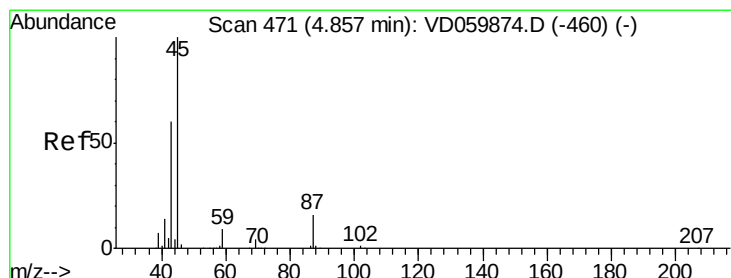
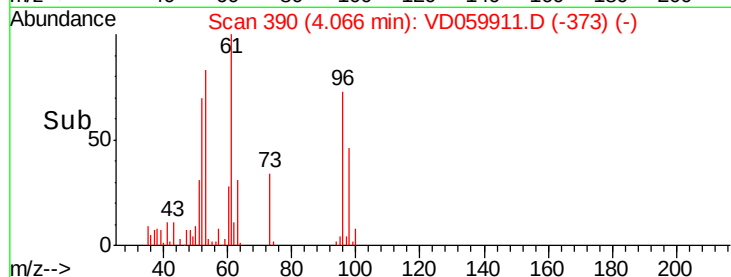
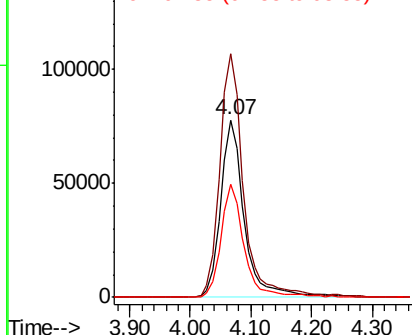
Tot Ion:	96	Resp:	210458
Ion	Ratio	Lower	Upper
96	100		
61	137.3	110.2	165.4
98	63.4	50.9	76.3

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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: 20.26 ug/l

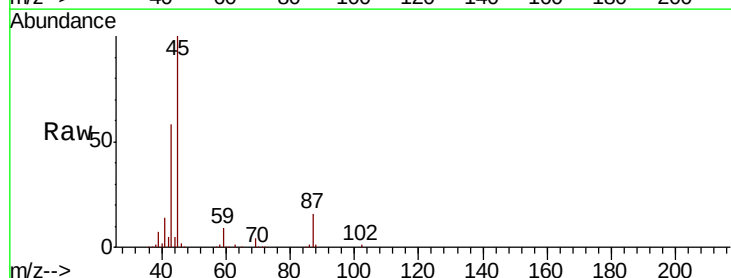
RT: 4.83 min Scan# 468

Delta R.T. -0.02 min

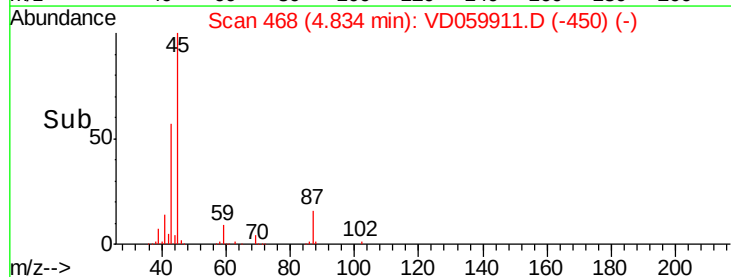
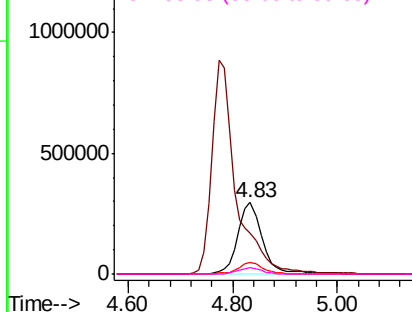
Lab File: VD059911.D

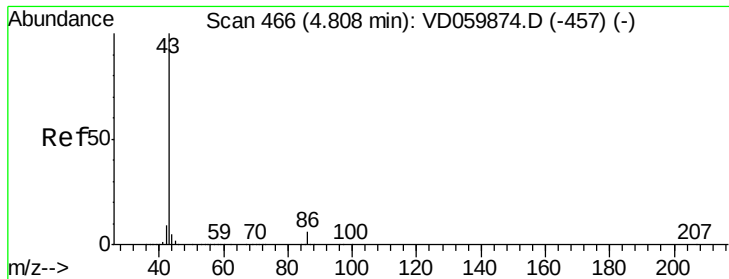
Acq: 27 Aug 2018 13:02

Tgt Ion:	45	Resp:	942040
Ion	Ratio	Lower	Upper
45	100		
43	57.6	48.6	72.8
87	15.9	13.3	19.9
59	8.9	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: 108.82 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 43 Resp: 2829066

Ion Ratio Lower Upper

43 100

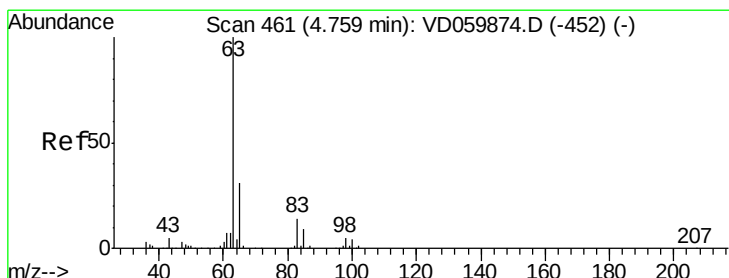
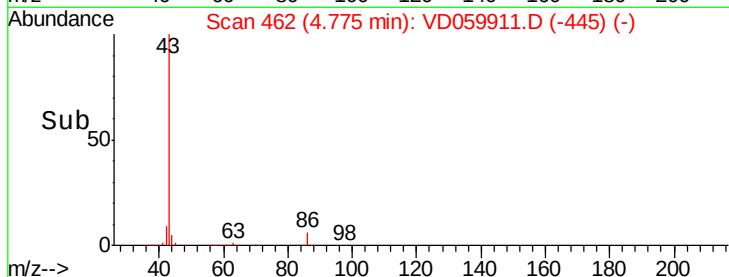
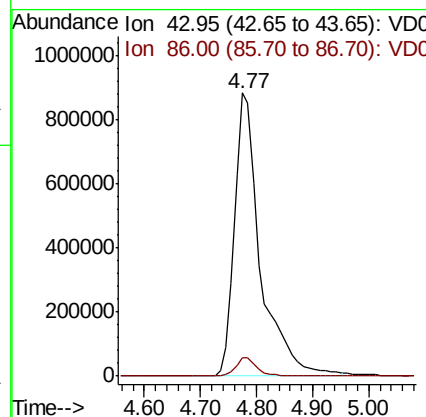
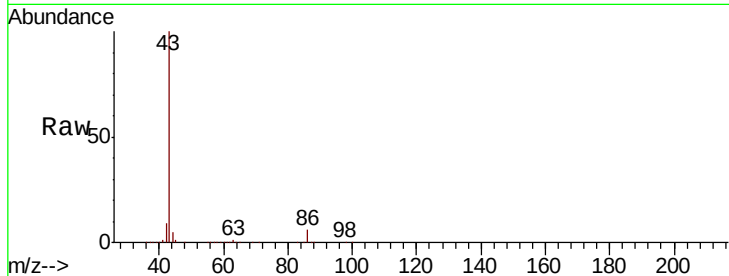
86 6.3 5.0 7.6

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#24

1,1-Dichloroethane

Concen: 20.20 ug/l

RT: 4.73 min Scan# 457

Delta R.T. -0.03 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

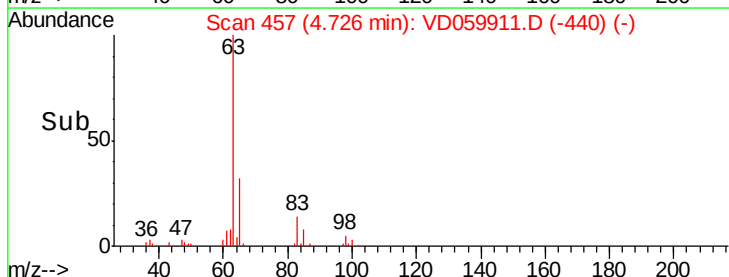
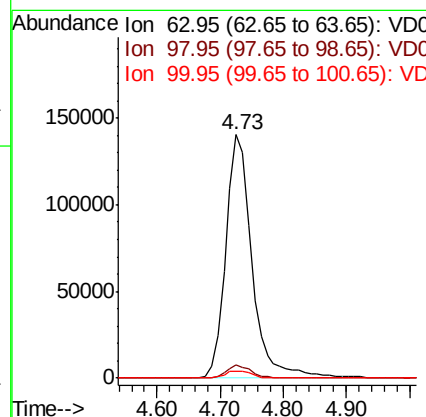
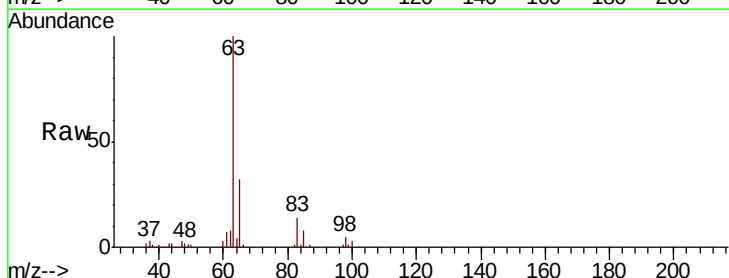
Tgt Ion: 63 Resp: 405859

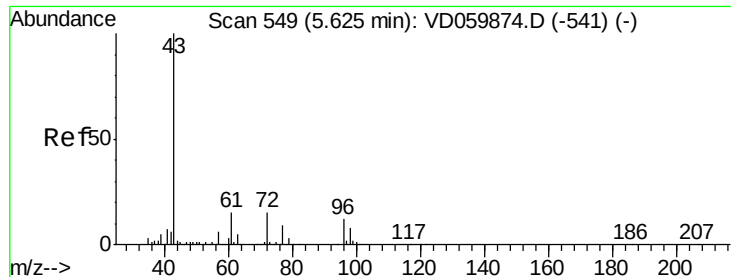
Ion Ratio Lower Upper

63 100

98 5.5 2.7 8.1

100 2.7 1.8 5.3





#25

2-Butanone

Concen: 90.82 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 43 Resp: 475399

Ion Ratio Lower Upper

43 100

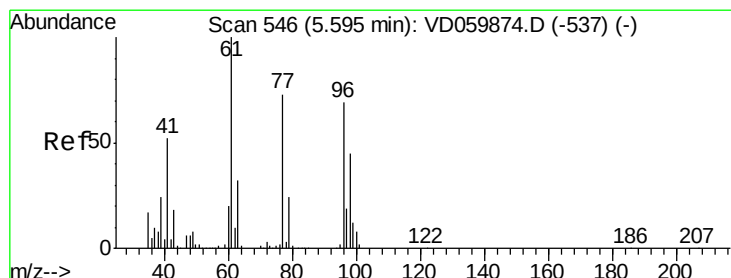
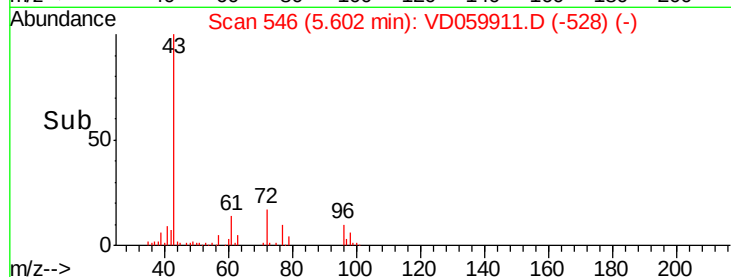
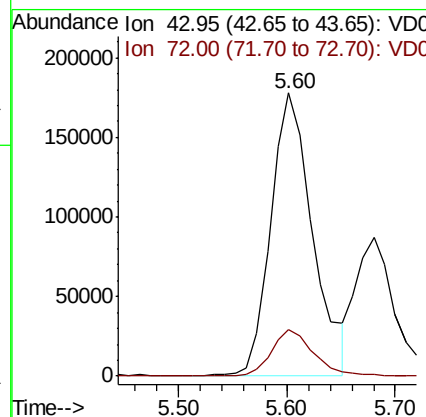
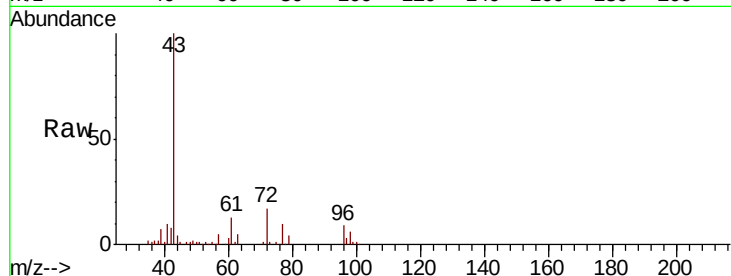
72 16.6 12.3 18.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.94 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.03 min

Lab File: VD059911.D

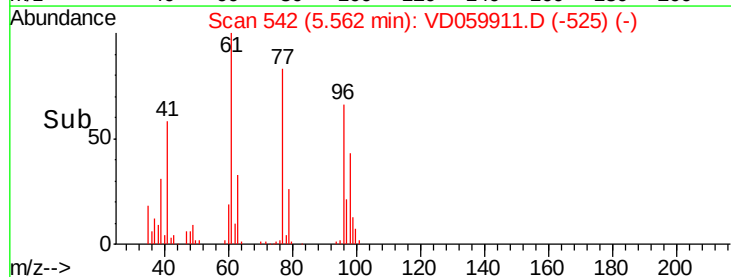
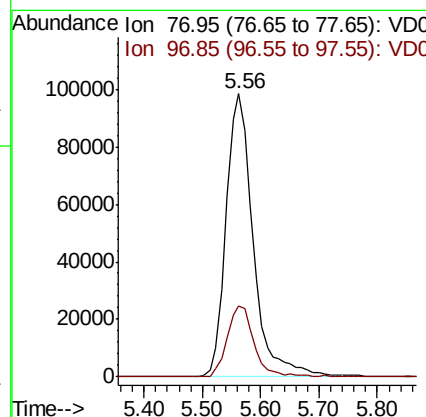
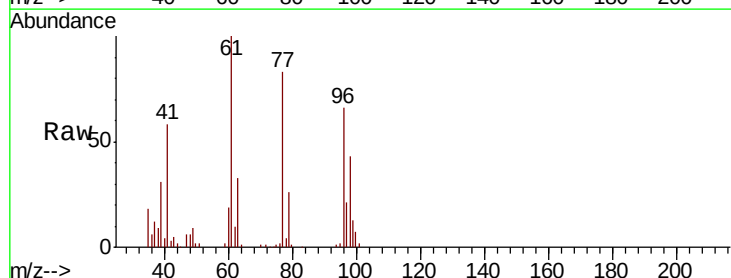
Acq: 27 Aug 2018 13:02

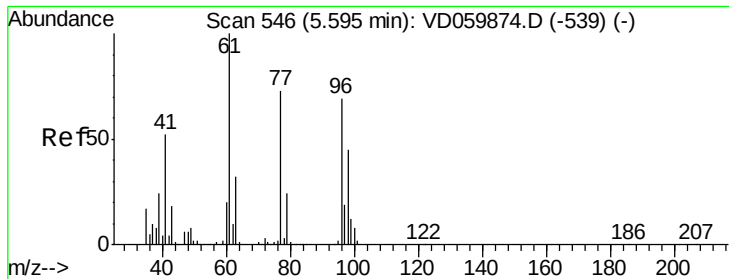
Tgt Ion: 77 Resp: 318079

Ion Ratio Lower Upper

77 100

97 25.1 13.0 38.9





#27

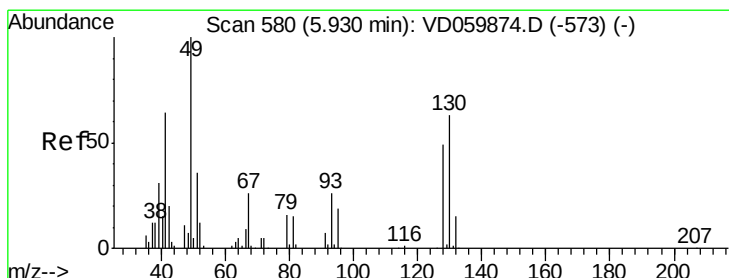
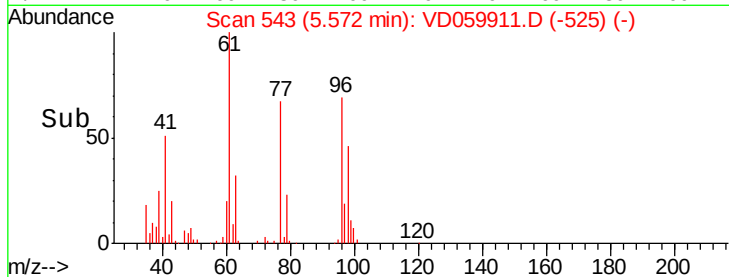
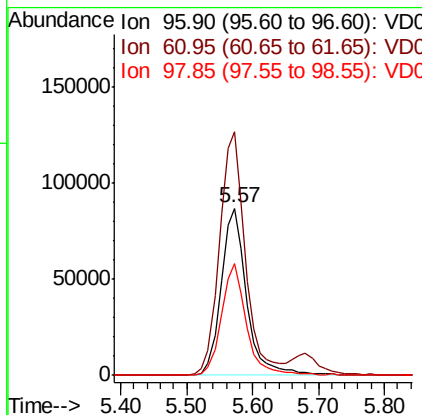
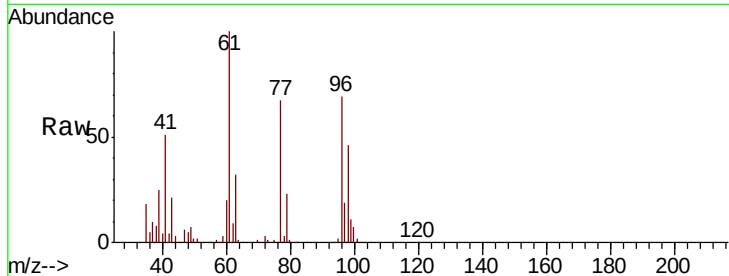
cis-1,2-Dichloroethene
 Concen: 19.36 ug/l
 RT: 5.57 min Scan# 543
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	235457		
61	145.7		0.0	290.2
98	67.0		0.0	130.4

Manual Integrations
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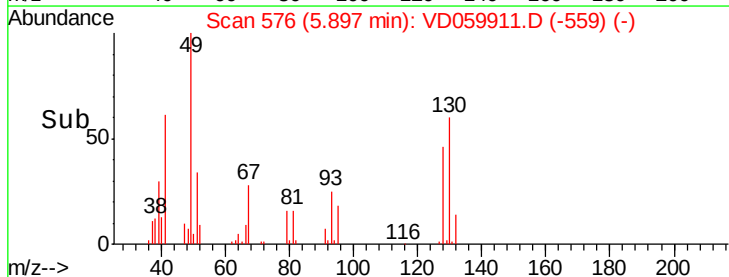
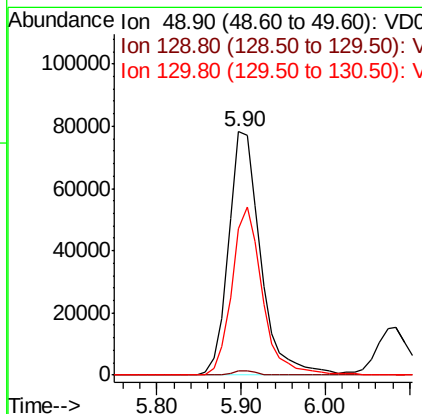
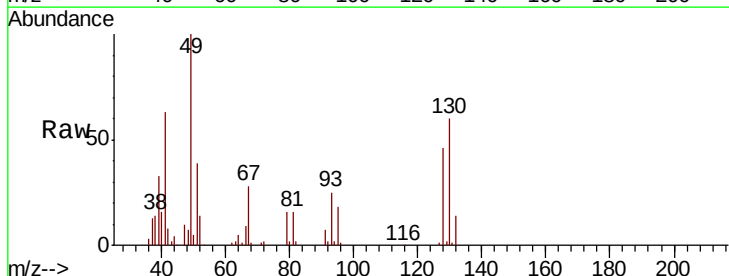
apatel
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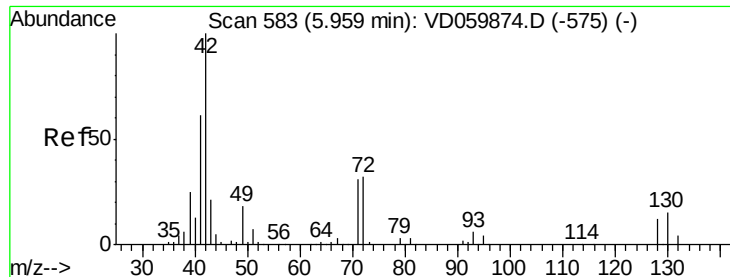


#28

Bromochloromethane
 Concen: 21.55 ug/l
 RT: 5.90 min Scan# 576
 Delta R.T. -0.03 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	207558		
129	1.8		0.0	3.2
130	59.9		50.6	75.8





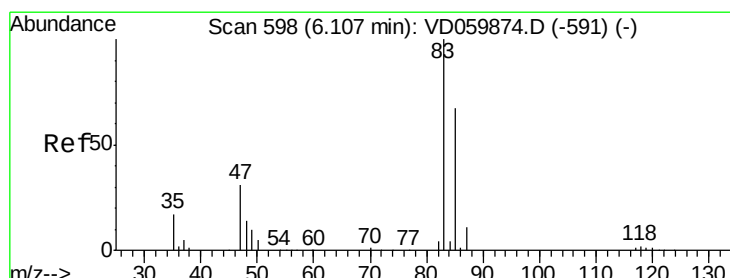
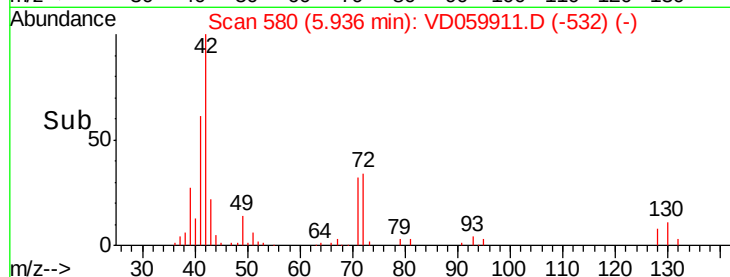
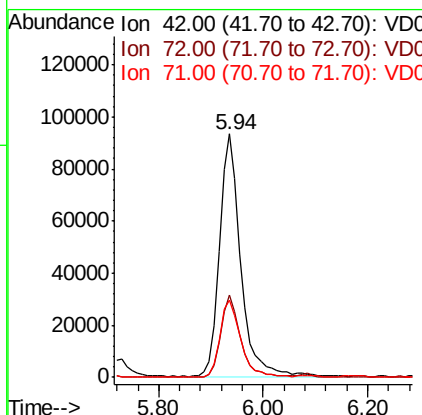
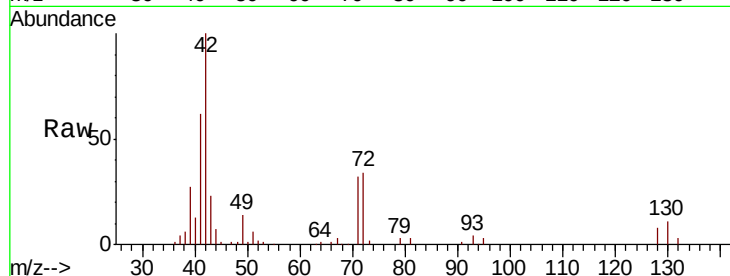
#29
Tetrahydrofuran
Concen: 107.37 ug/l
RT: 5.94 min Scan# 580
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.1	25.7	38.5
71	30.6	25.3	37.9

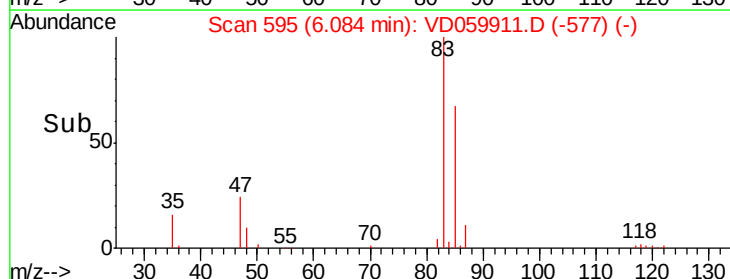
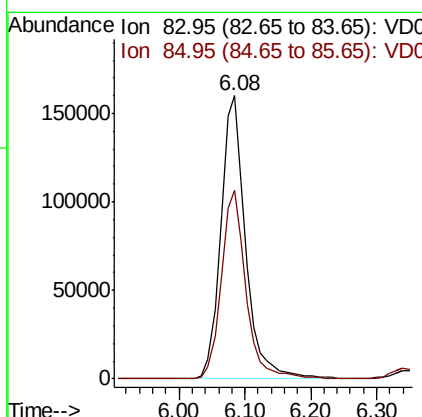
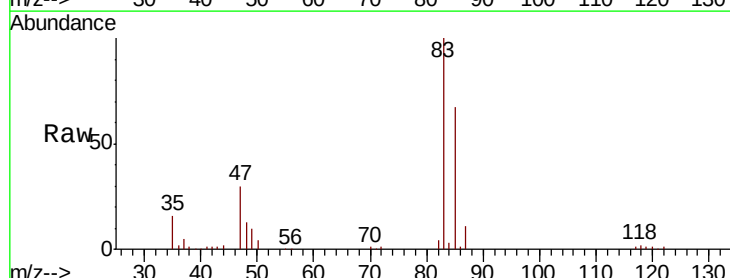
Manual Integrations
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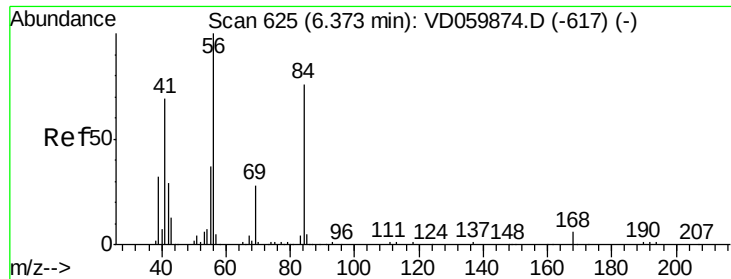
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#30
Chloroform
Concen: 20.55 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.5	80.3





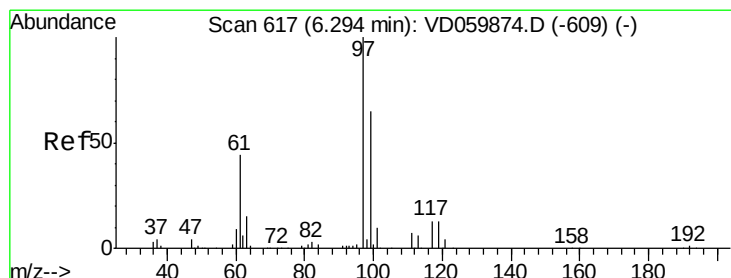
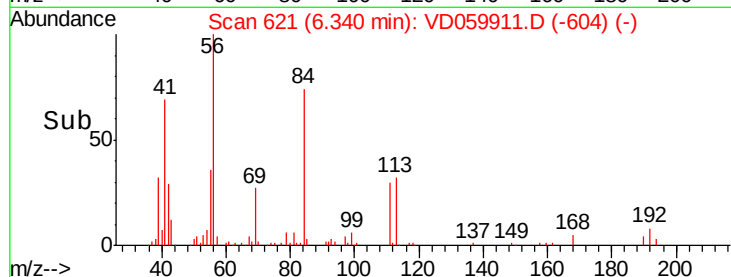
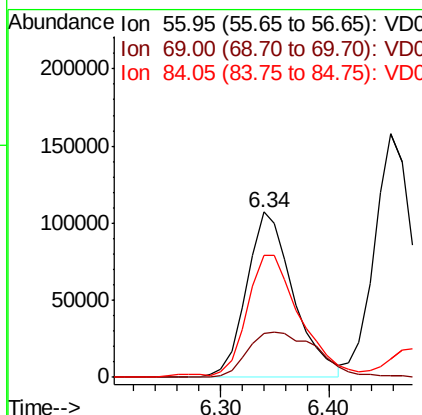
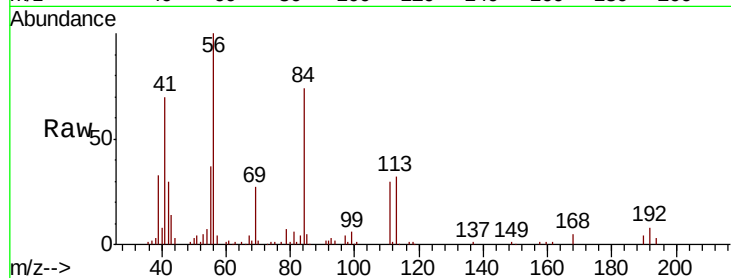
#31
Cyclohexane
Concen: 17.47 ug/l
RT: 6.34 min Scan# 621
Delta R.T. -0.03 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.0	22.4	33.6
84	73.7	62.1	93.1

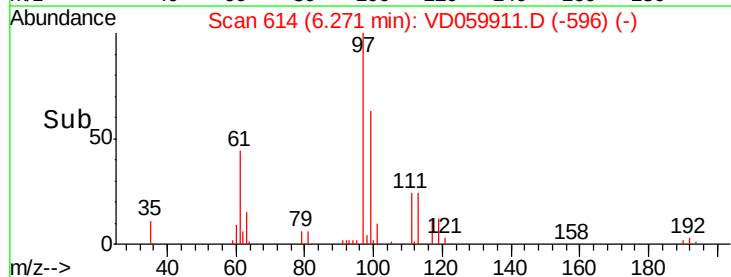
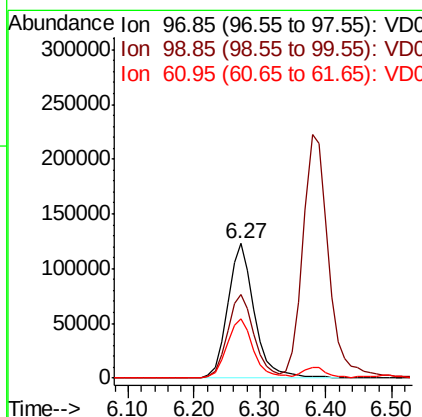
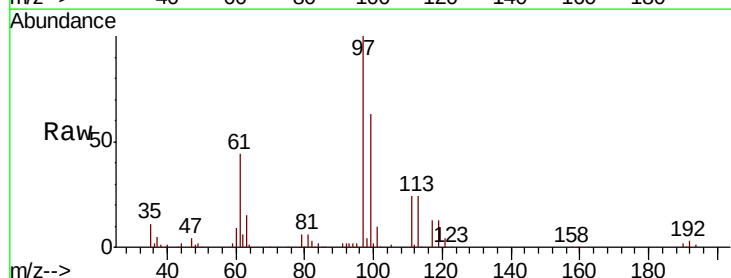
Manual Integrations
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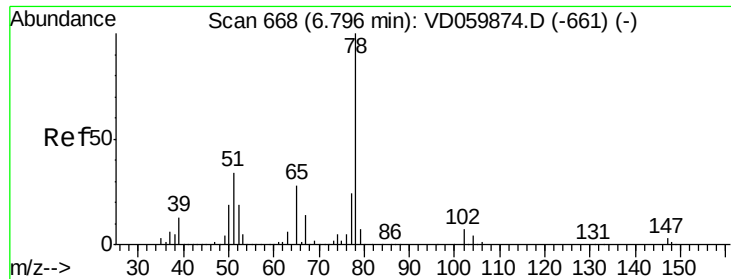
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#32
1,1,1-Trichloroethane
Concen: 20.00 ug/l
RT: 6.27 min Scan# 614
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.7	77.5
61	44.5	35.4	53.2





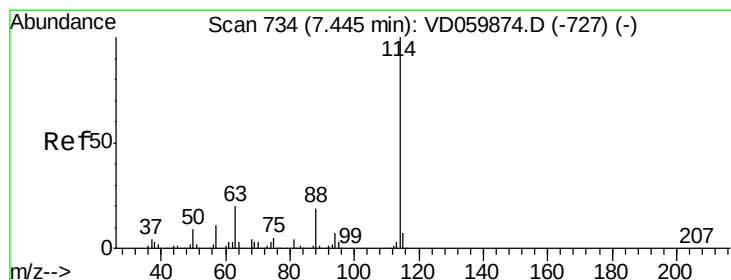
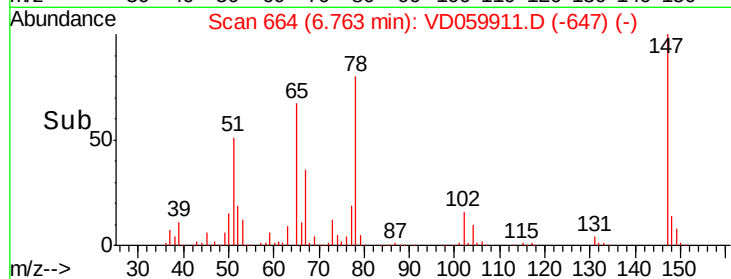
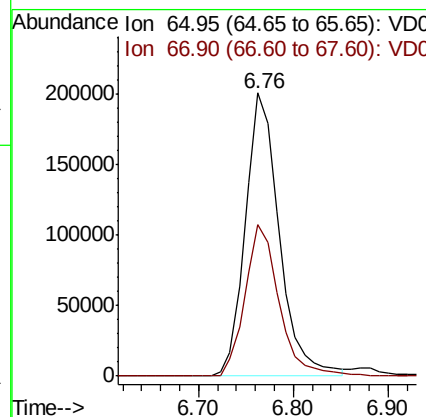
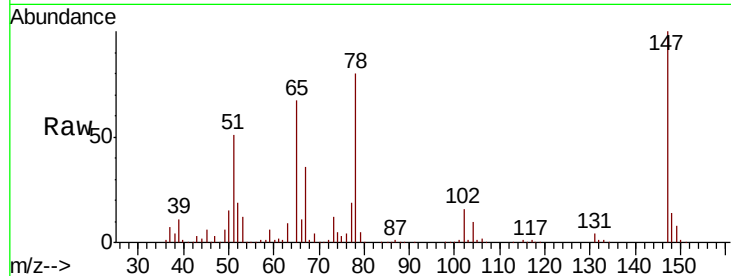
#33
 1,2-Dichloroethane-d4
 Concen: 20.00 ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	498970		
67	53.4	0.0	103.8	

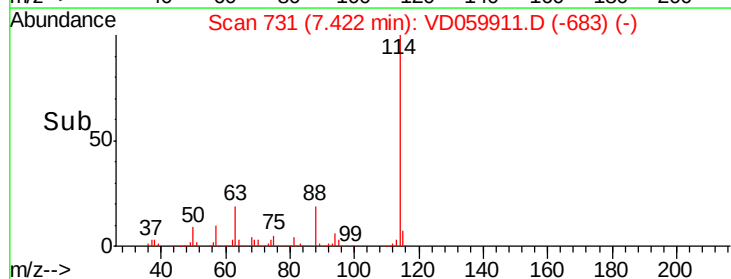
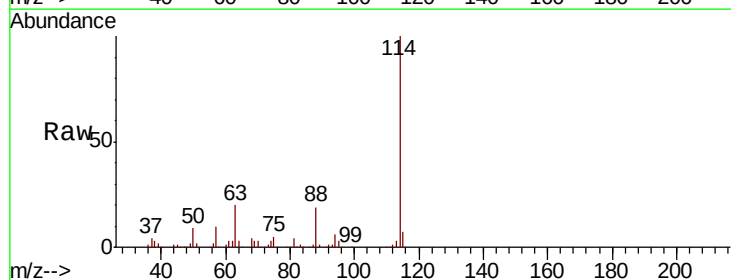
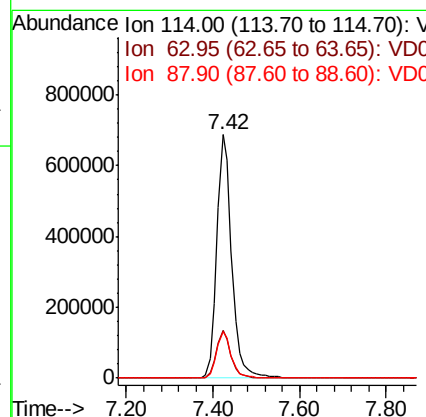
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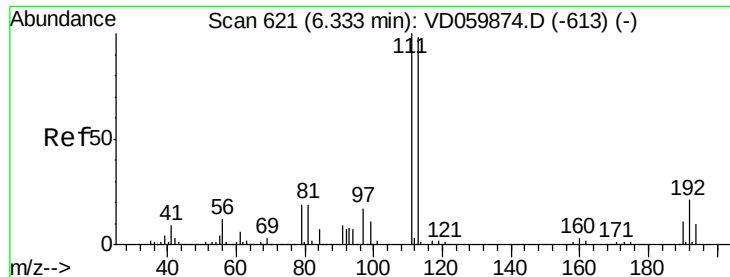
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1645774		
63	19.5	0.0	39.4	
88	19.1	0.0	37.6	





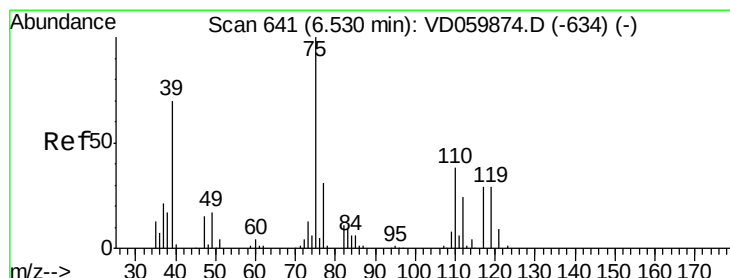
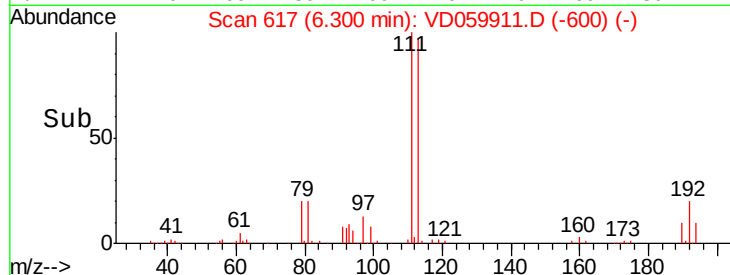
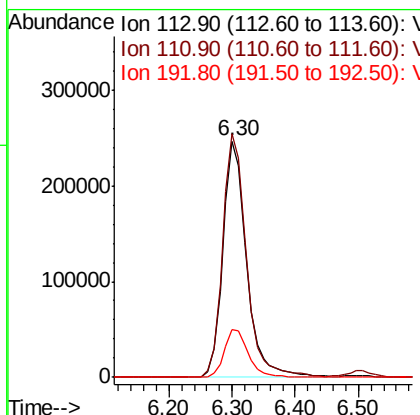
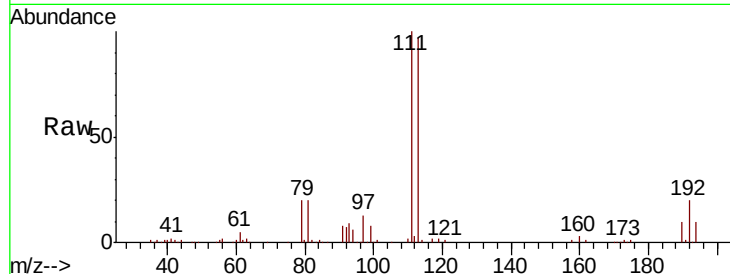
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.30 min Scan# 617
 Delta R.T. -0.03 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	643837		
111	103.0	81.4	122.2	
192	20.2	17.0	25.6	

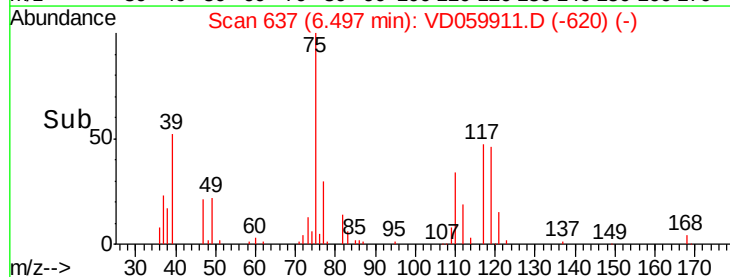
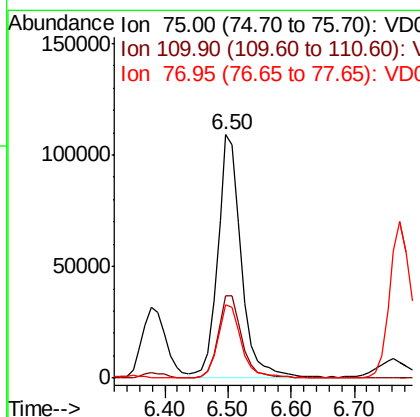
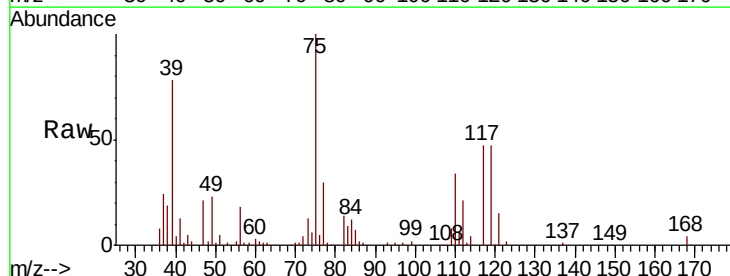
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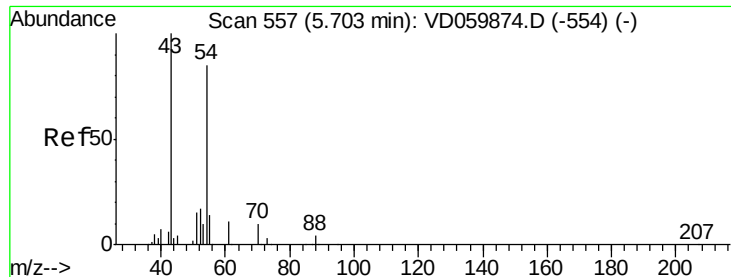
apatel
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#36
 1,1-Dichloropropene
 Concen: 19.16 ug/l
 RT: 6.50 min Scan# 637
 Delta R.T. -0.03 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	285794		
110	33.7	18.6	56.0	
77	30.1	25.1	37.7	





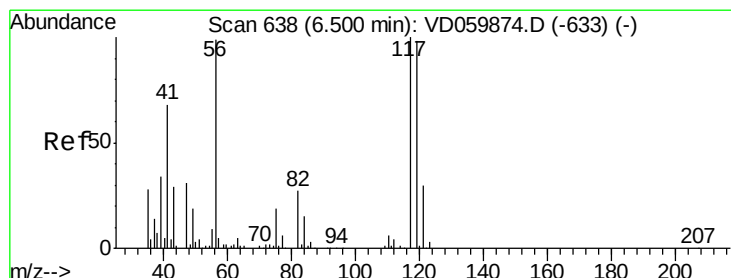
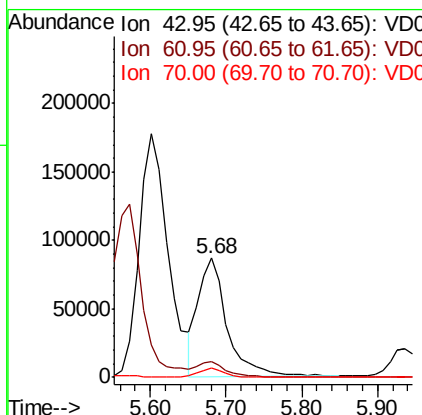
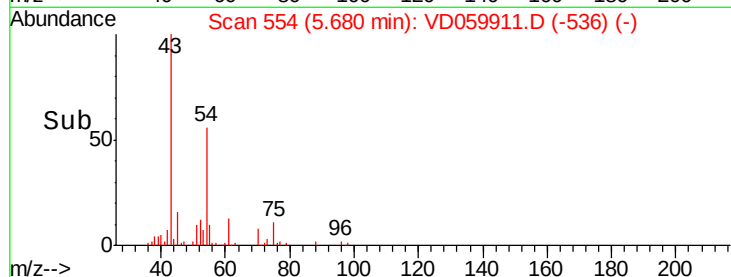
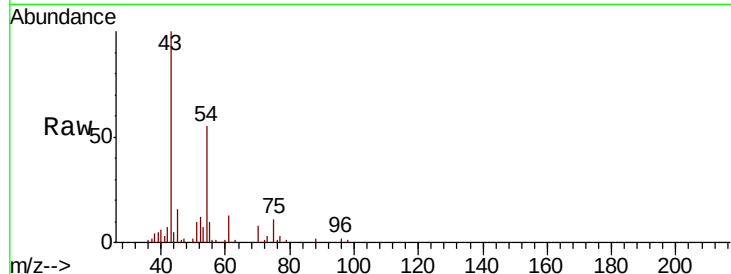
#37
Ethyl Acetate
Concen: 19.47 ug/l
RT: 5.68 min Scan# 554
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.0	16.6
70	7.7	5.7	8.5

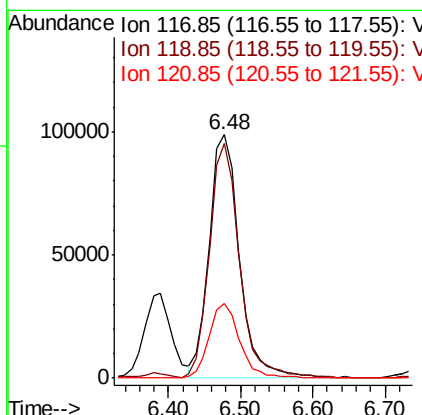
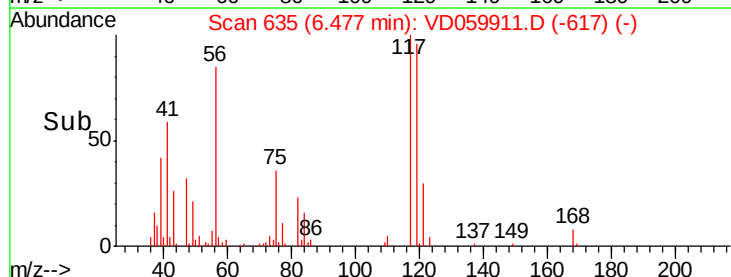
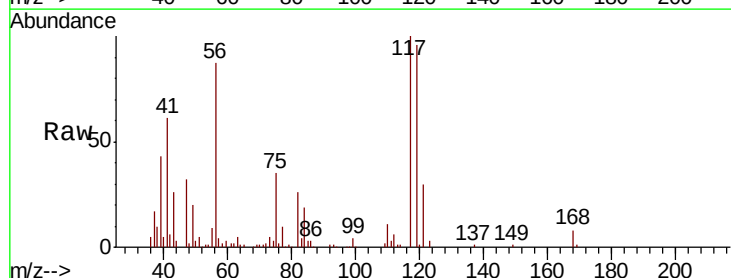
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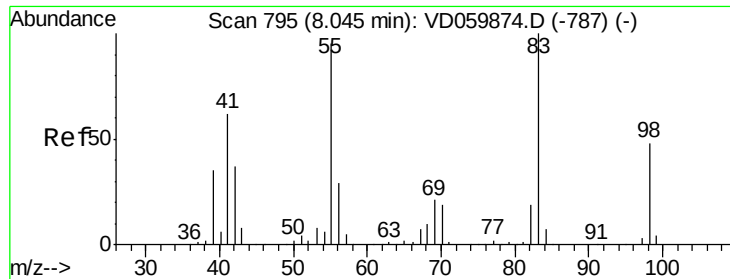
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#38
Carbon Tetrachloride
Concen: 18.73 ug/l
RT: 6.48 min Scan# 635
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.2	115.8
121	30.5	24.0	36.0





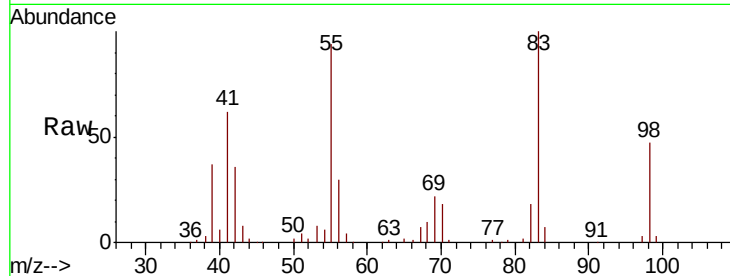
#39
Methylvlcyclohexane
Concen: 17.36 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

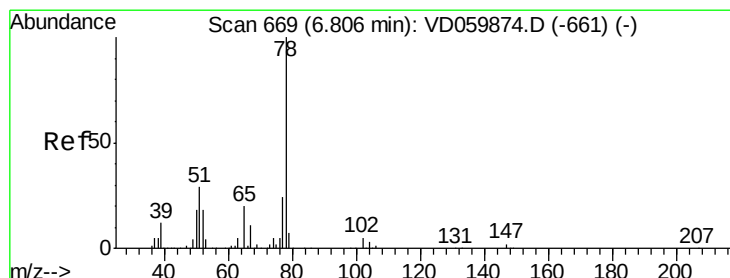
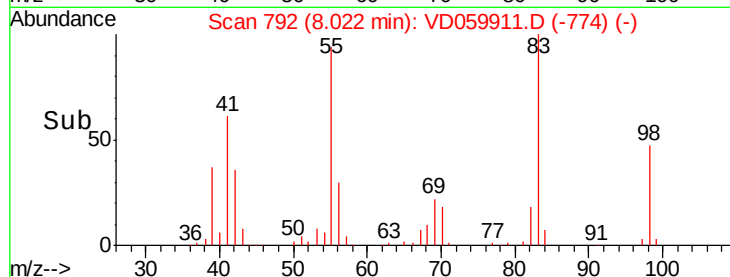
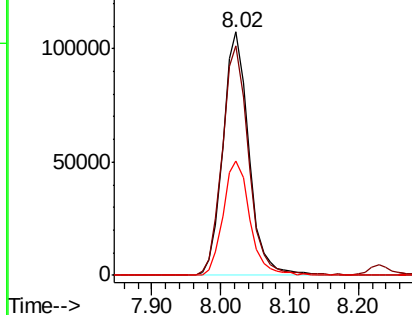
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	94.2	75.8	113.6	
98	47.1	38.3	57.5	

Manual Integrations
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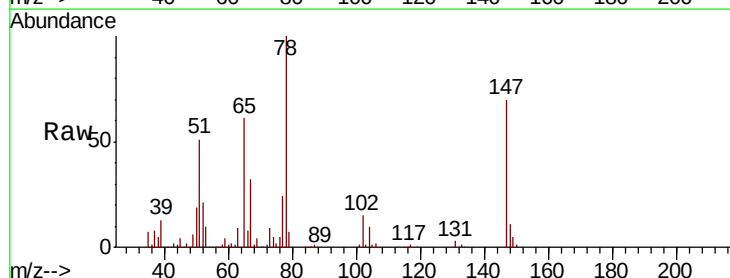


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

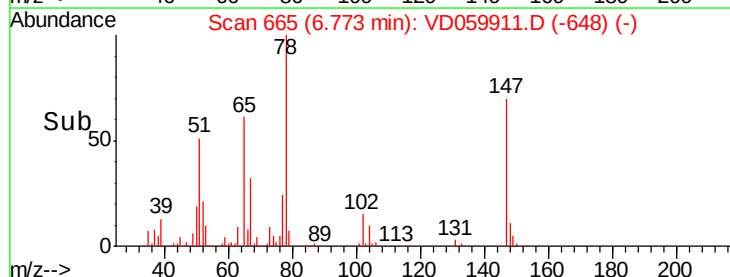
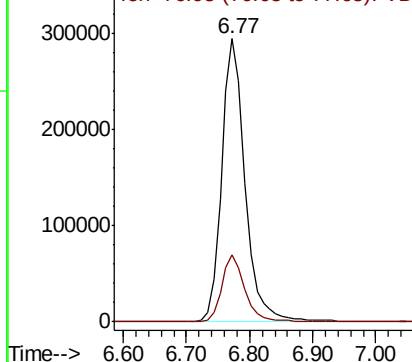


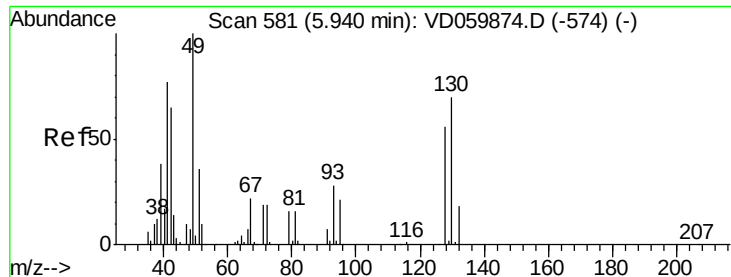
#40
Benzene
Concen: 19.53 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

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



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 22.09 ug/l m

RT: 5.91 min Scan# 577

Delta R.T. -0.03 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 41 Resp: 129201

Ion Ratio Lower Upper

41 100

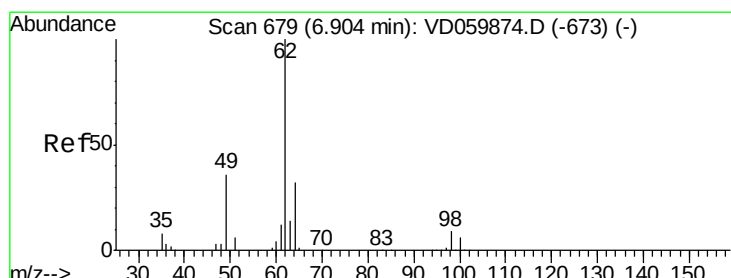
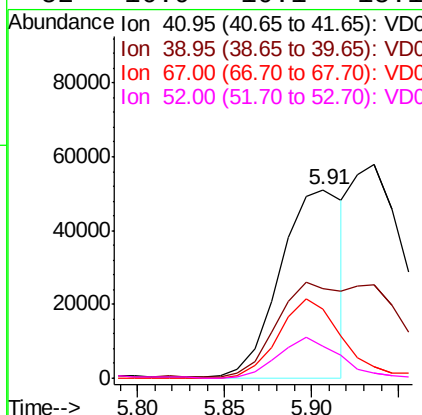
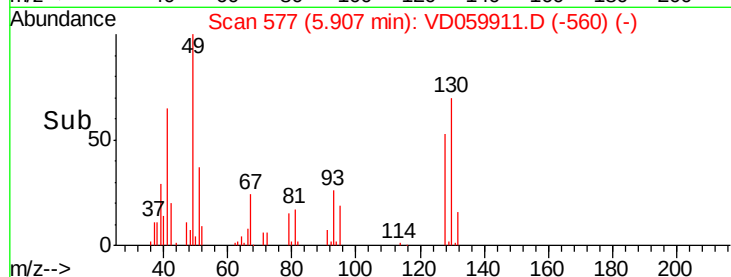
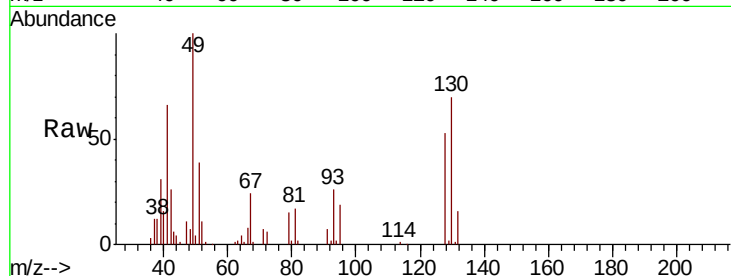
39 47.4 39.4 59.2

67 36.9 22.2 33.2#

52 16.9 10.1 15.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.49 ug/l

RT: 6.87 min Scan# 675

Delta R.T. -0.03 min

Lab File: VD059911.D

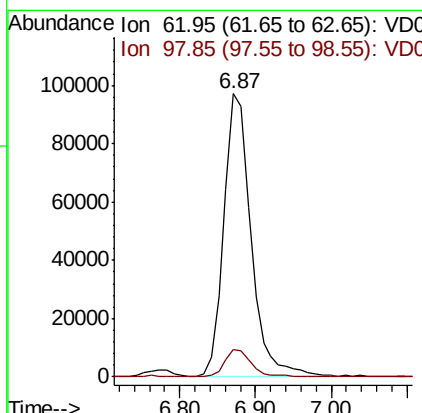
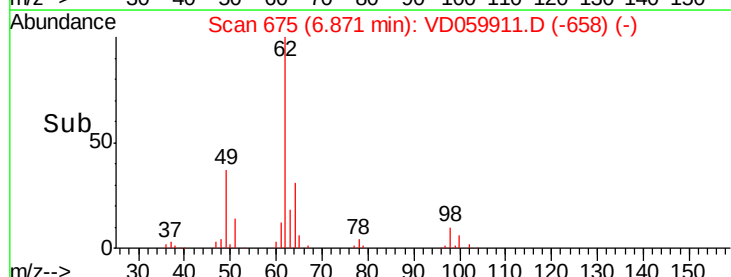
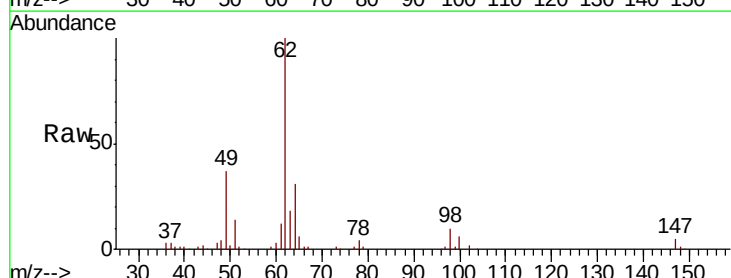
Acq: 27 Aug 2018 13:02

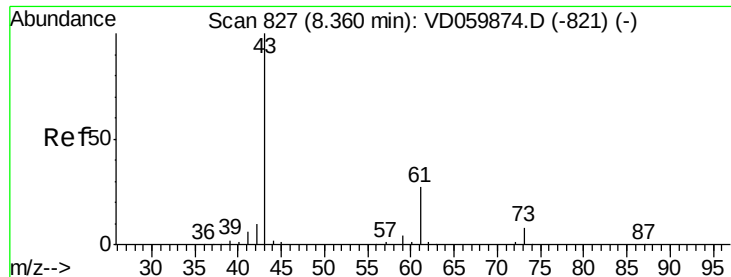
Tgt Ion: 62 Resp: 242723

Ion Ratio Lower Upper

62 100

98 9.6 0.0 18.4





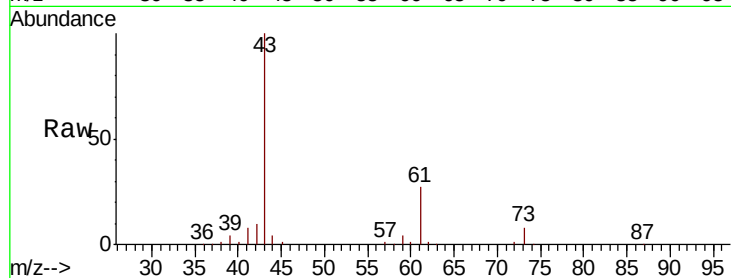
#43
Isopropyl Acetate
Concen: 19.90 ug/l
RT: 8.34 min Scan# 824
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

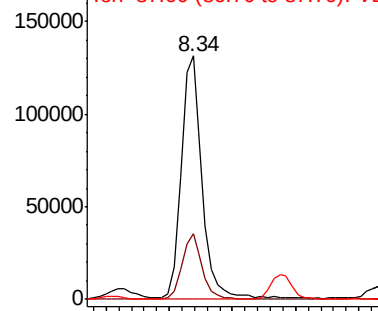
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.4	32.2
87	0.2	0.2	0.4

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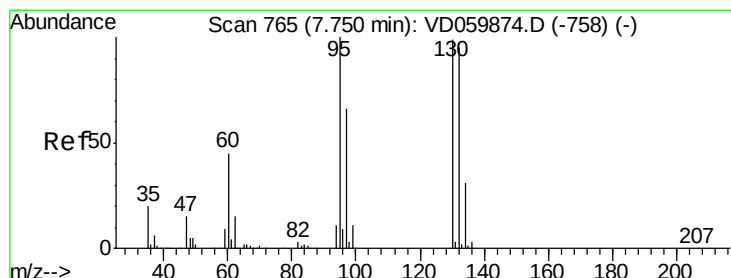
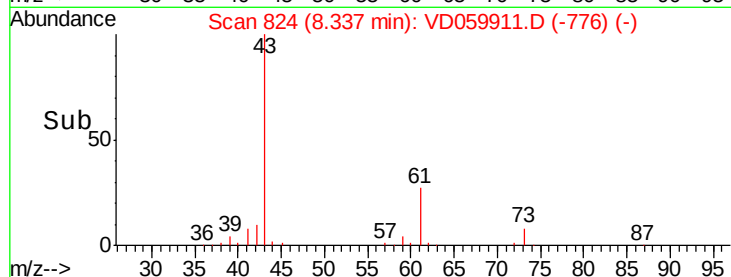
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Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC

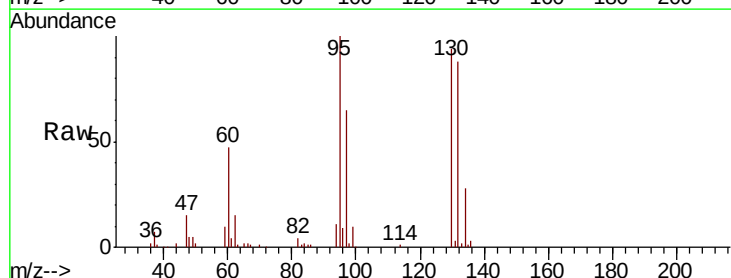


Time-->

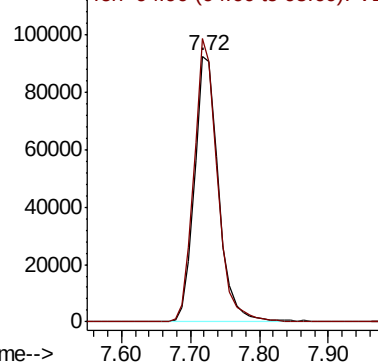


#44
Trichloroethene
Concen: 19.58 ug/l
RT: 7.72 min Scan# 761
Delta R.T. -0.03 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

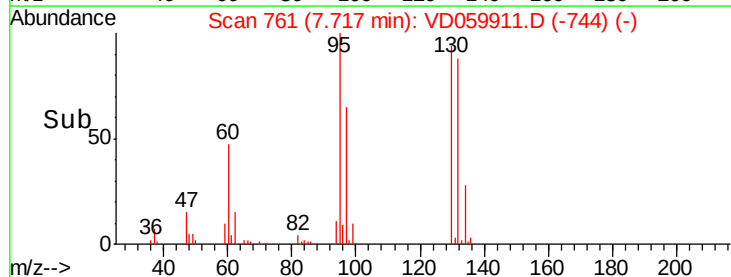
Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	202.0

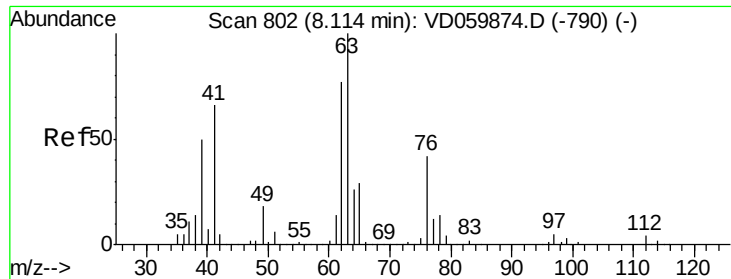


Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC



Time-->





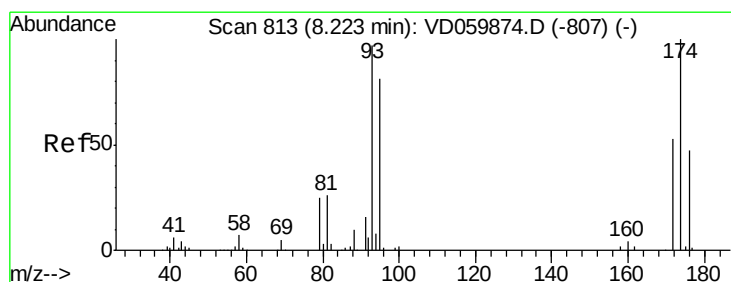
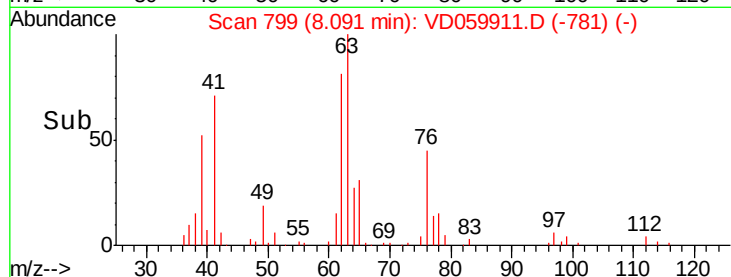
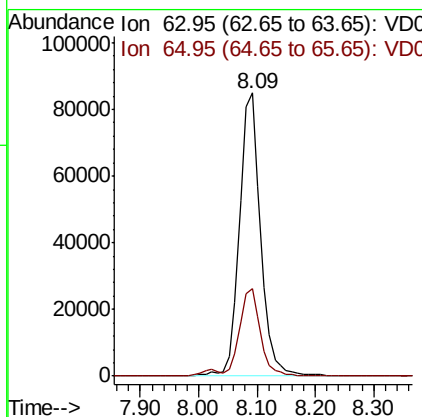
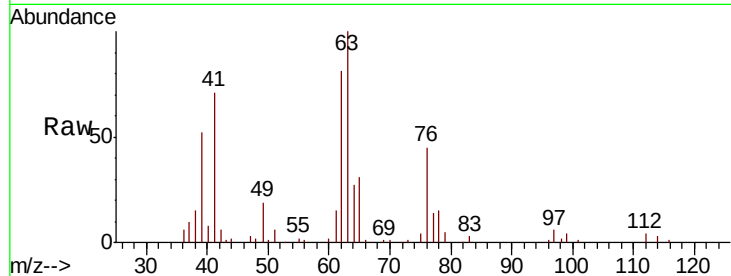
#45
 1,2-Dichloropropane
 Concen: 19.69 ug/l
 RT: 8.09 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	23.5	35.3

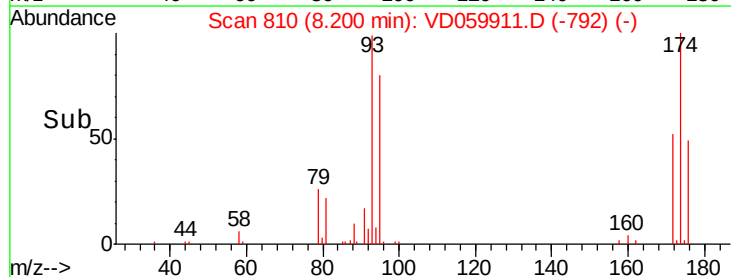
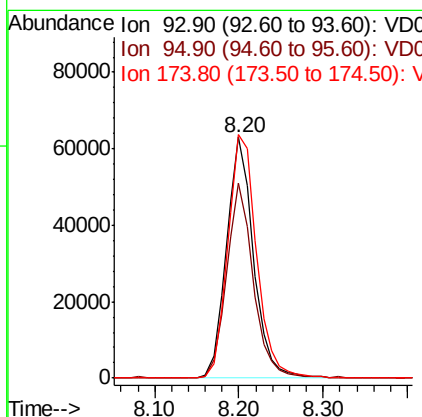
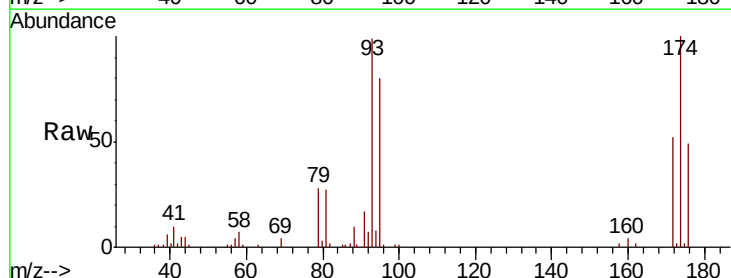
Manual Integrations
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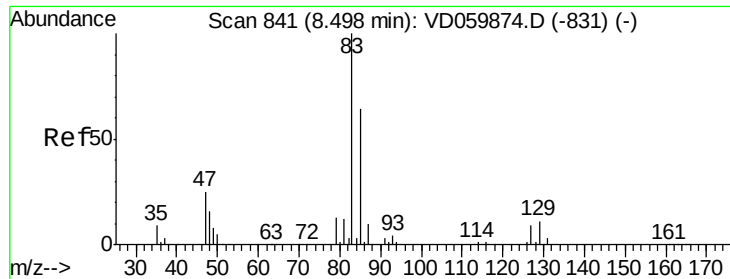
apatel
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#46
 Dibromomethane
 Concen: 20.06 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.9	66.6	100.0
174	101.1	82.4	123.6





#47

Bromodichloromethane

Concen: 19.61 ug/l

RT: 8.48 min Scan# 838

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

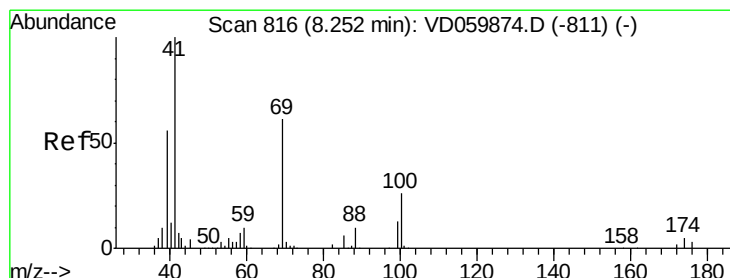
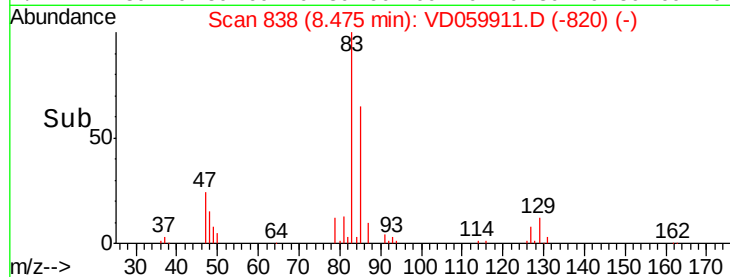
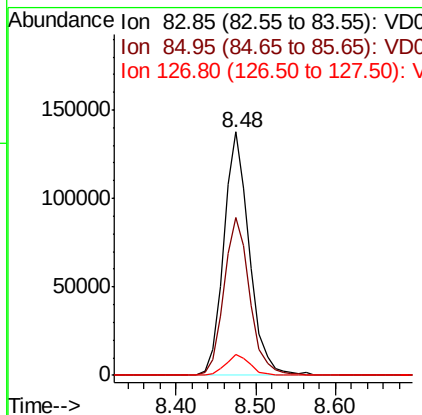
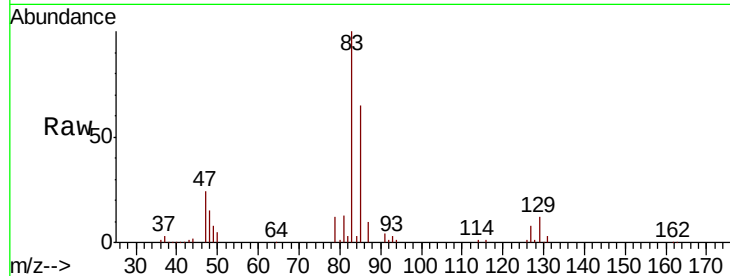
ClientSampleId :

VD0827SBSD01

Tot Ion:	83	Resp:	309473
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.3	76.9
127	8.5	7.0	10.4

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#48

Methyl methacrylate

Concen: 19.66 ug/l

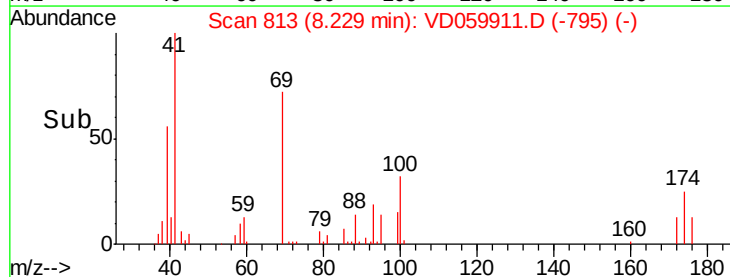
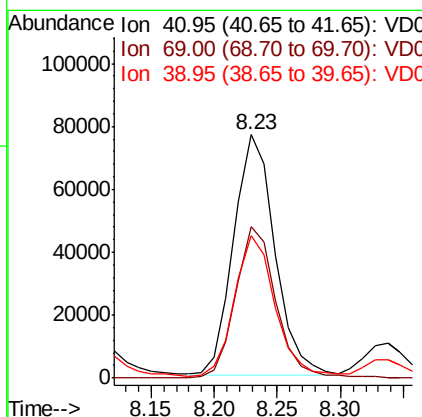
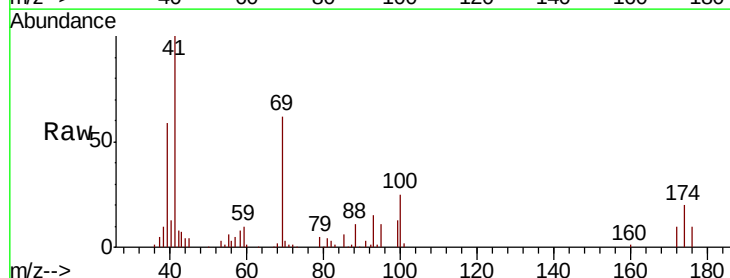
RT: 8.23 min Scan# 813

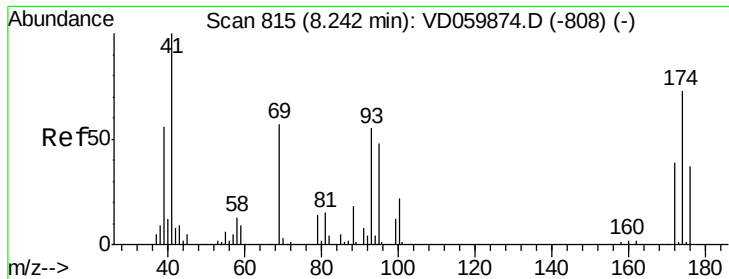
Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Tgt Ion:	41	Resp:	173079
Ion Ratio	Lower	Upper	
41	100		
69	62.1	48.0	72.0
39	58.7	45.4	68.0





#49

1,4-Dioxane

Concen: 417.69 ug/l

RT: 8.22 min Scan# 812

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 88 Resp: 32832

Ion Ratio Lower Upper

88 100

43 55.3 45.0 67.6

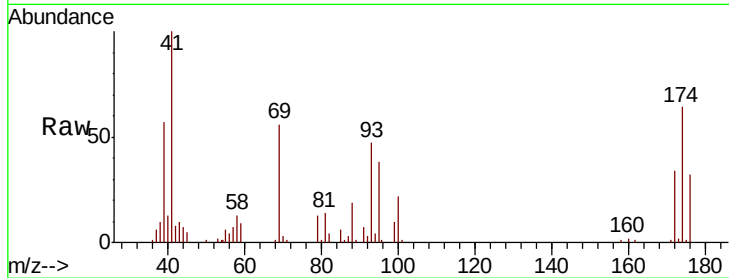
58 71.1 55.8 83.8

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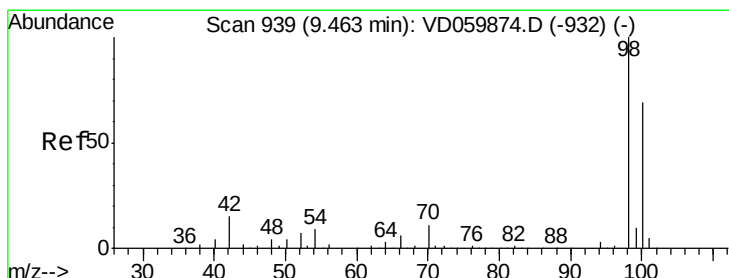
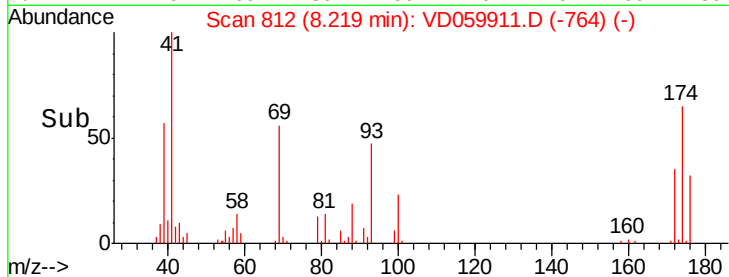
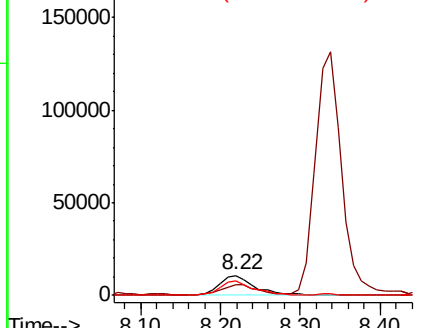
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Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 417.69 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD059911.D

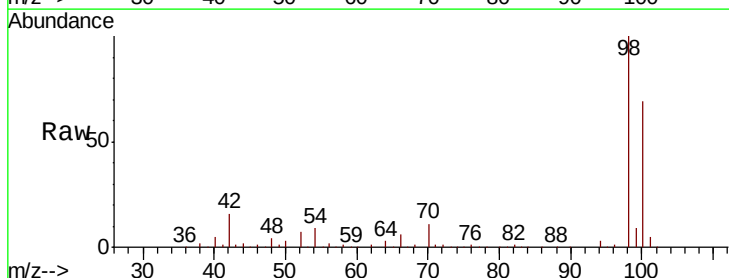
Acq: 27 Aug 2018 13:02

Tgt Ion: 98 Resp: 1799408

Ion Ratio Lower Upper

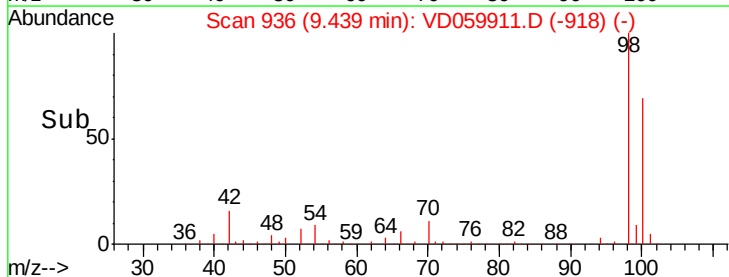
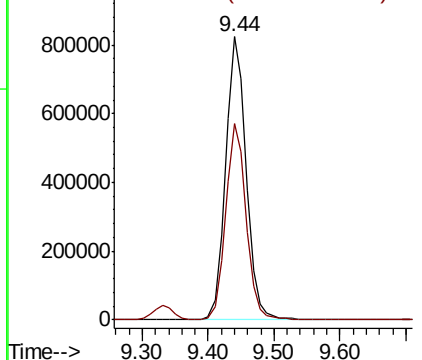
98 100

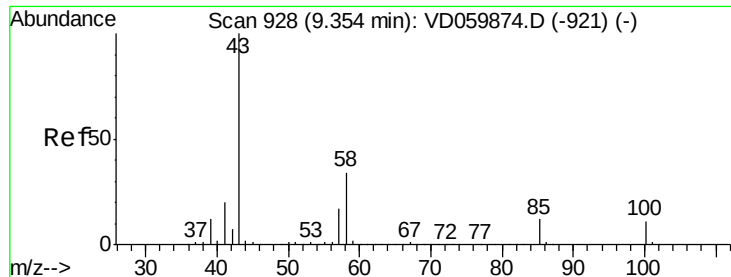
100 69.2 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 86.06 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 43 Resp: 969041

Ion Ratio Lower Upper

43 100

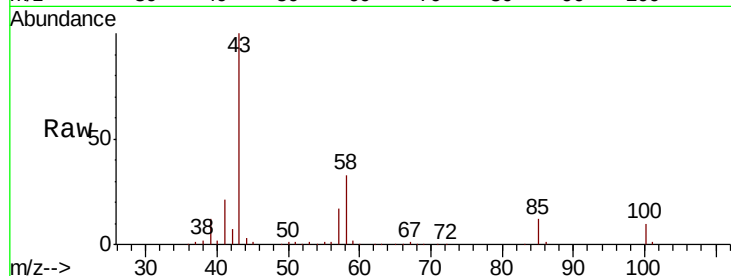
58 32.6 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

400000

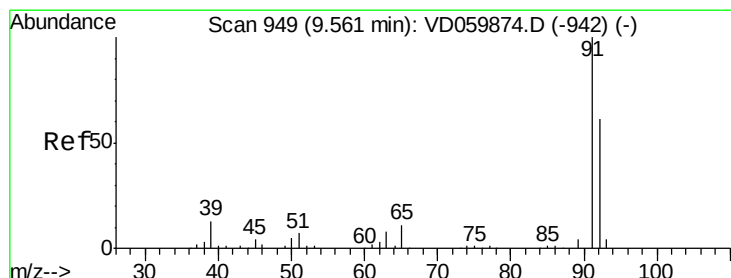
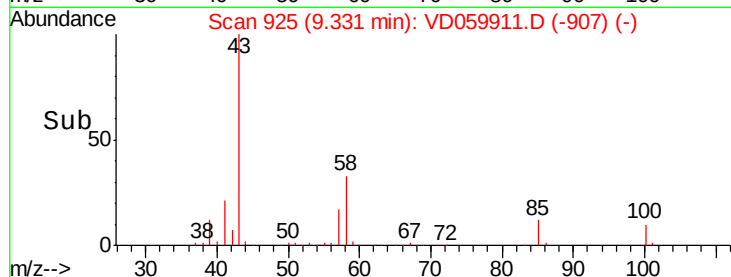
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.36 ug/l

RT: 9.54 min Scan# 946

Delta R.T. -0.02 min

Lab File: VD059911.D

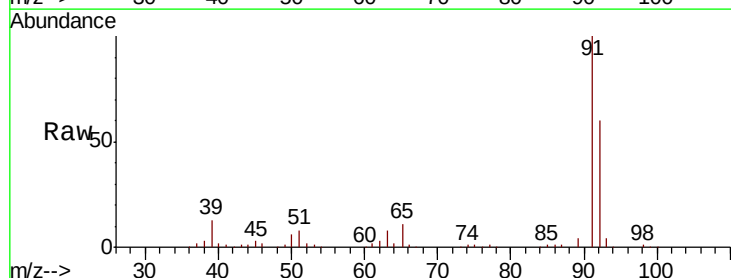
Acq: 27 Aug 2018 13:02

Tgt Ion: 92 Resp: 481554

Ion Ratio Lower Upper

92 100

91 167.9 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

400000

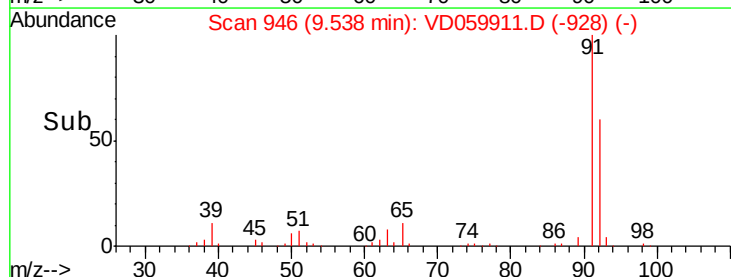
300000

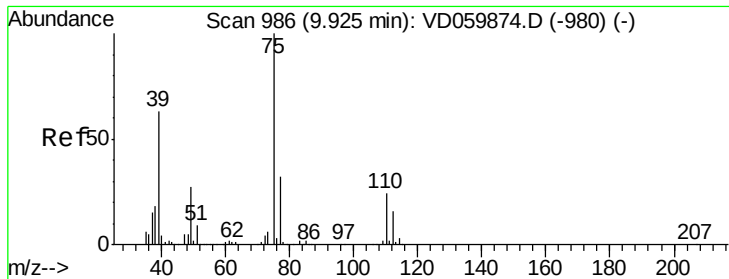
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.79 ug/l

RT: 9.90 min Scan# 983

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBSD01

Tot Ion: 75 Resp: 288909

Ion Ratio Lower Upper

75 100

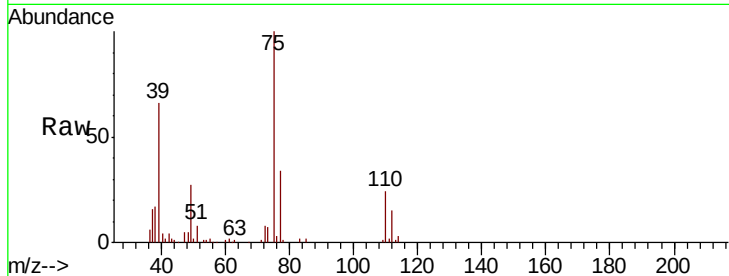
77 34.1 25.4 38.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.90

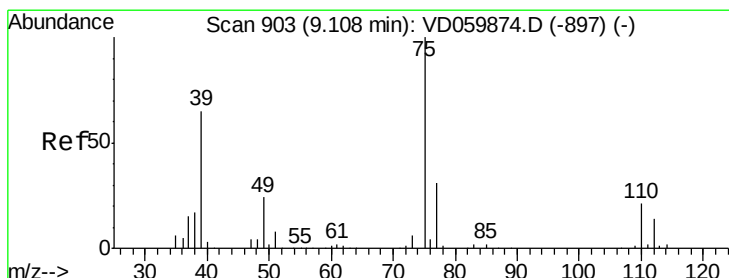
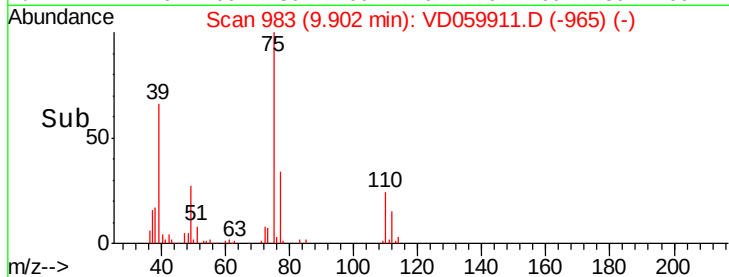
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.48 ug/l

RT: 9.09 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

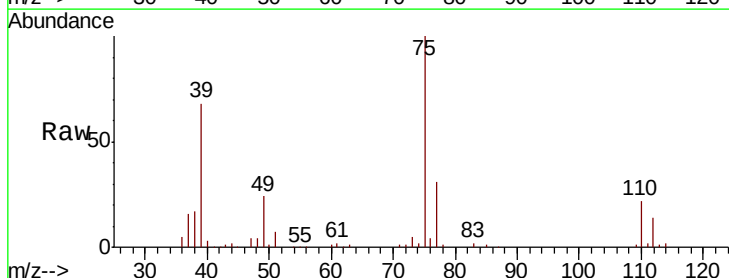
Tgt Ion: 75 Resp: 329750

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 67.7 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

200000

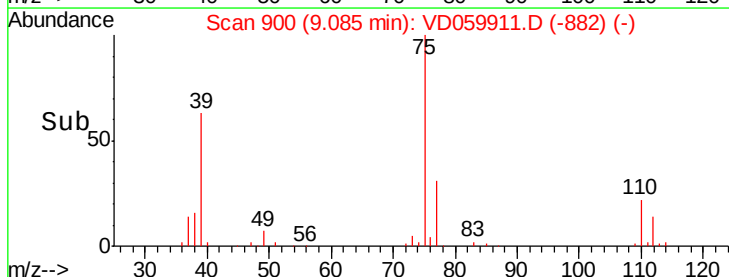
150000

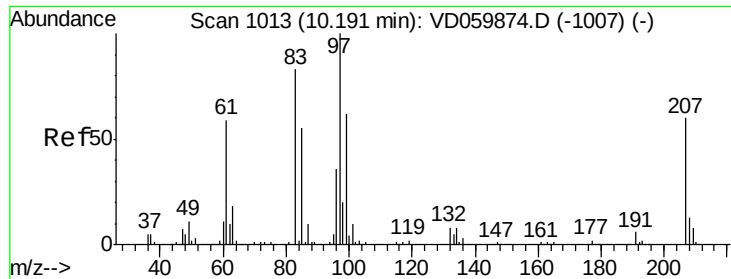
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.92 ug/l

RT: 10.17 min Scan# 1010

Delta R.T. -0.02 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

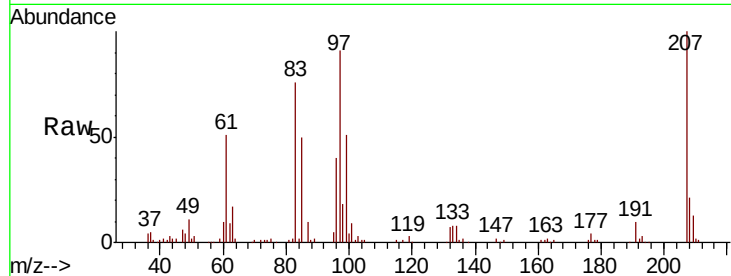
ClientSampleId :

VD0827SBSD01

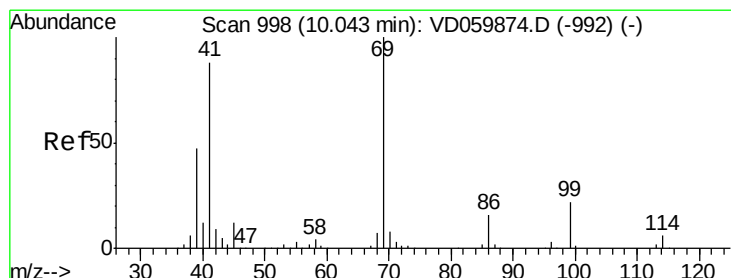
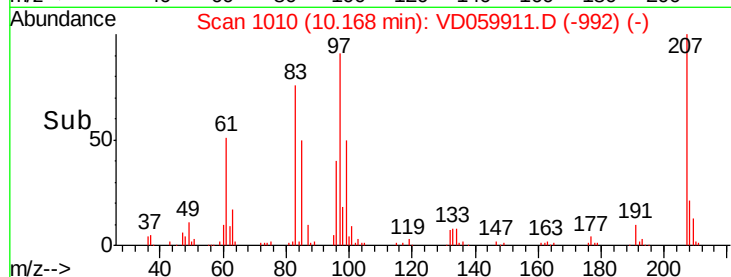
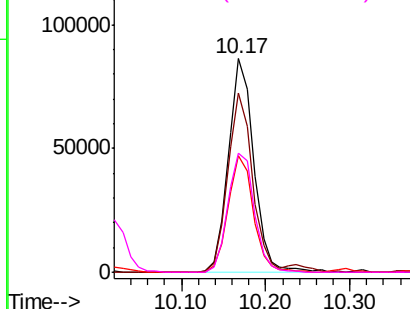
Tot Ion:	97	Resp:	181117
Ion Ratio	Lower	Upper	
97	100		
83	83.8	66.7	100.1
85	54.7	43.8	65.6
99	55.8	49.8	74.6

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Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.89 ug/l

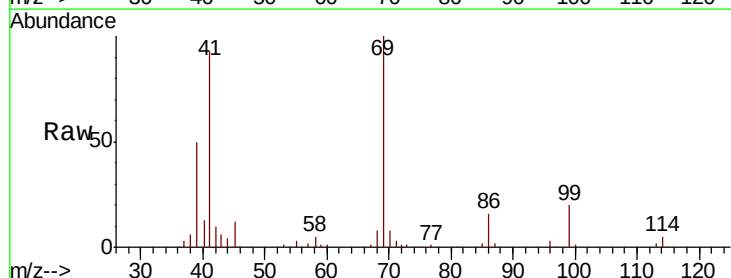
RT: 10.02 min Scan# 995

Delta R.T. -0.02 min

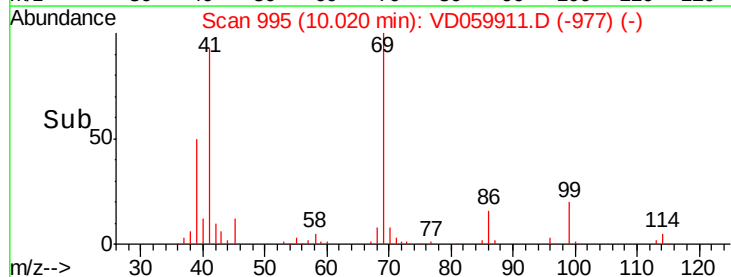
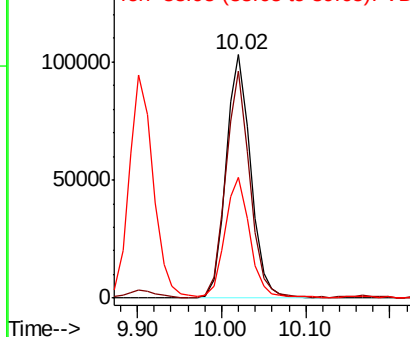
Lab File: VD059911.D

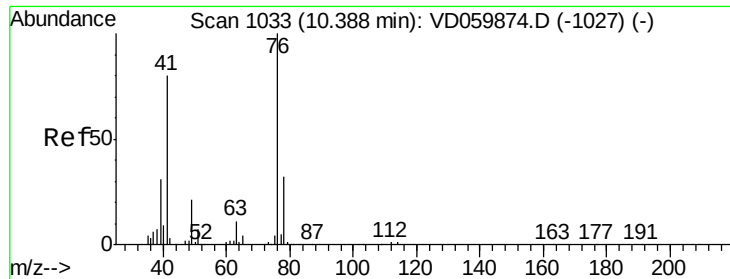
Acq: 27 Aug 2018 13:02

Tgt Ion:	69	Resp:	208670
Ion Ratio	Lower	Upper	
69	100		
41	93.2	71.0	106.4
39	49.5	38.5	57.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





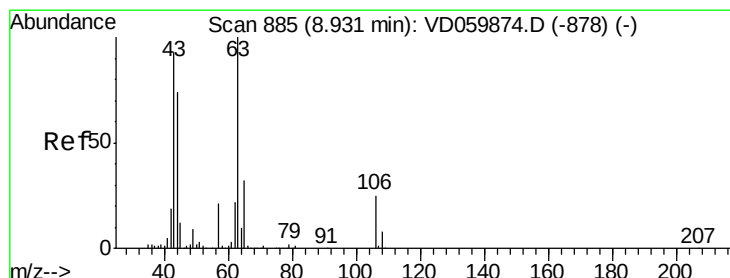
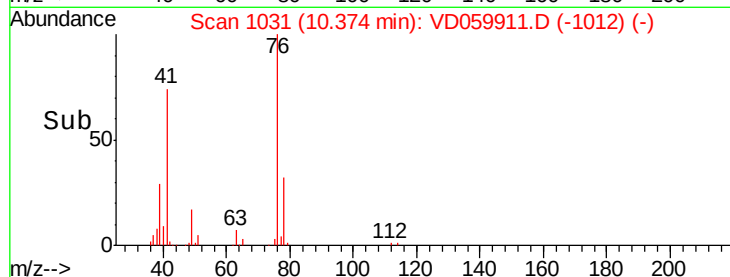
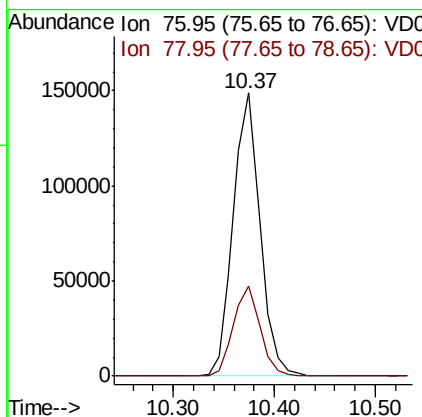
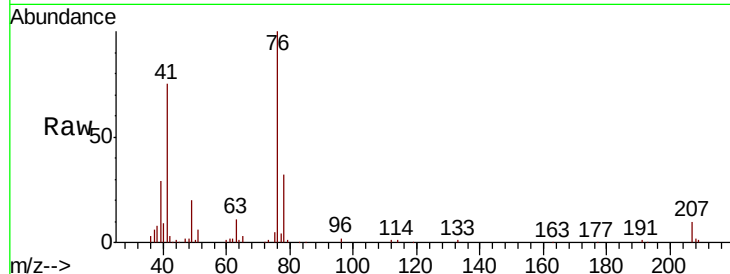
#57
 1,3-Dichloropropane
 Concen: 20.94 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion: 76 Resp: 275636
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.6

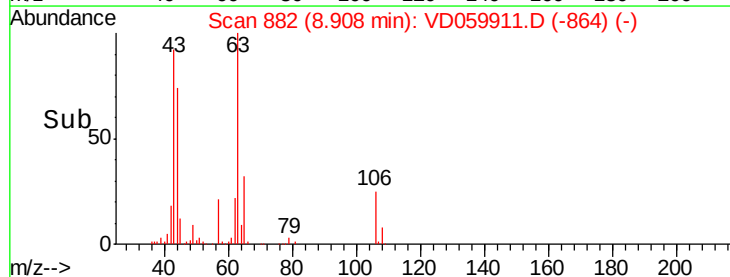
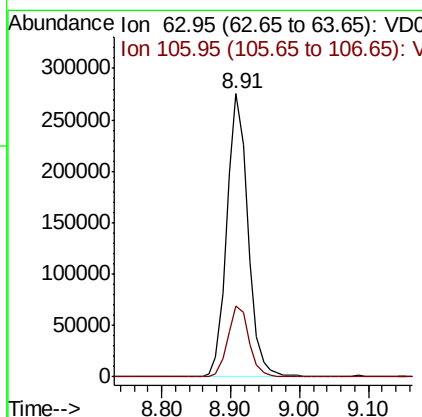
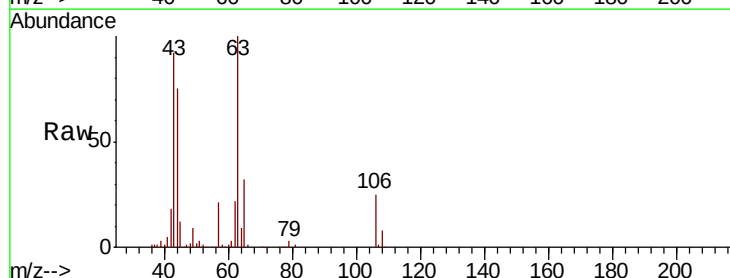
Manual Integrations
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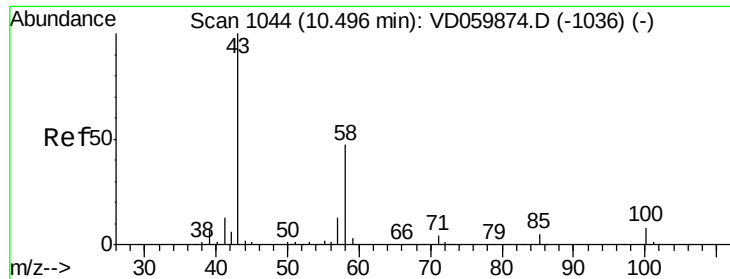
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.04 ug/l
 RT: 8.91 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion: 63 Resp: 584174
 Ion Ratio Lower Upper
 63 100
 106 25.2 20.1 30.1





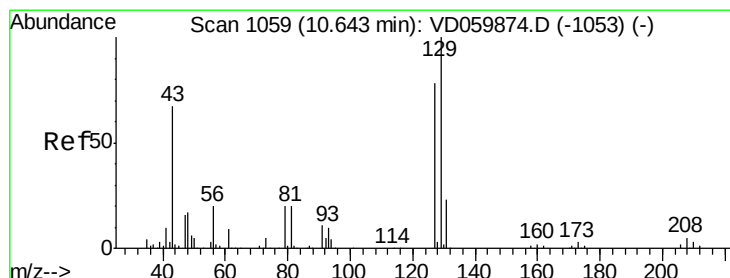
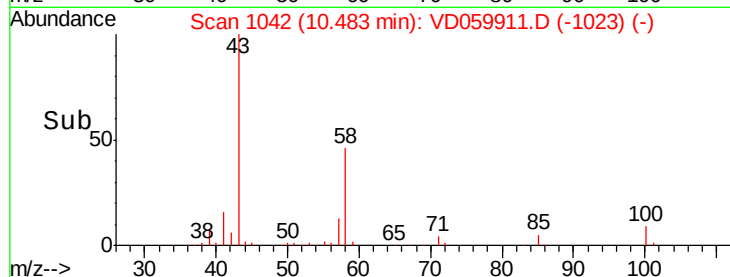
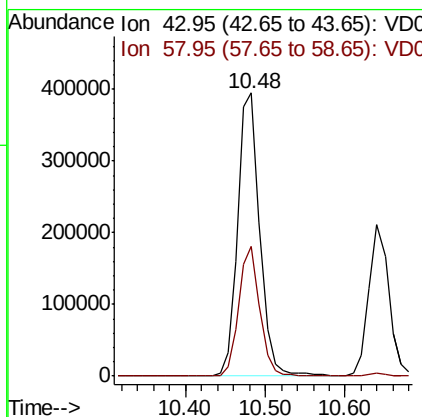
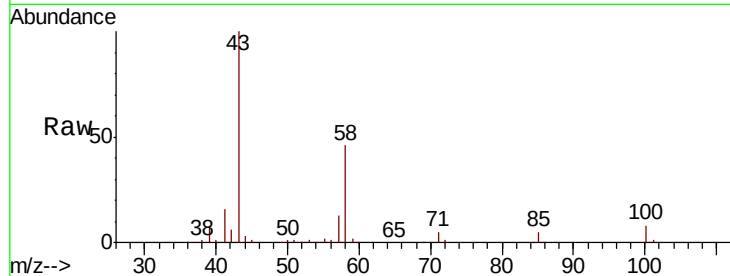
#59
2-Hexanone
Concen: 91.98 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.7	23.3	69.8

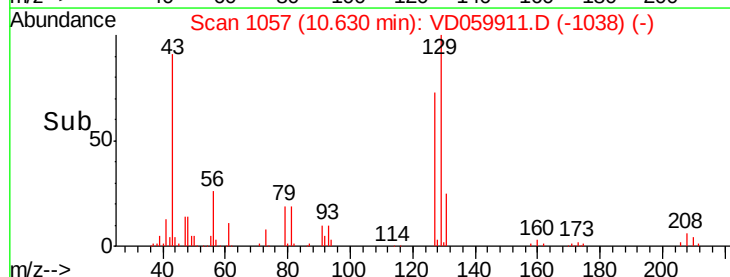
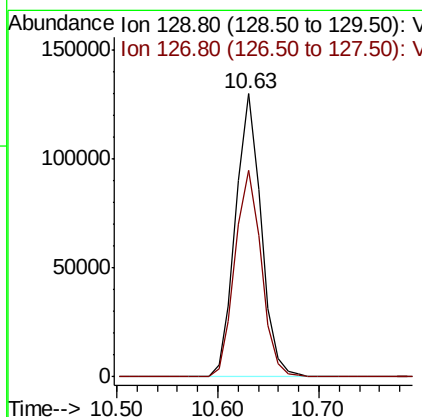
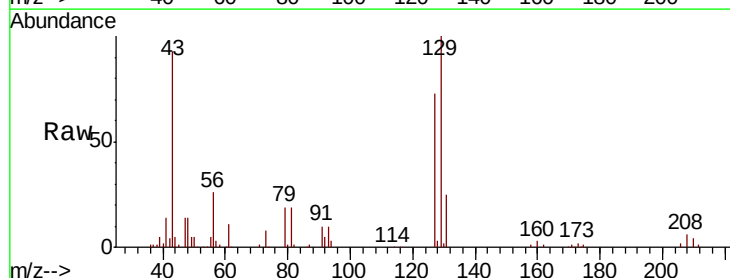
Manual Integrations
APPROVED

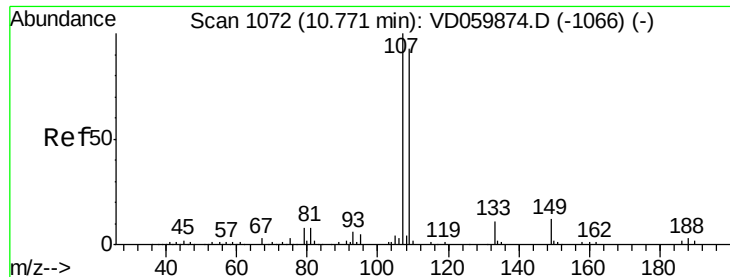
apatel
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#60
Dibromochloromethane
Concen: 20.08 ug/l
RT: 10.63 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.2	39.1	117.2





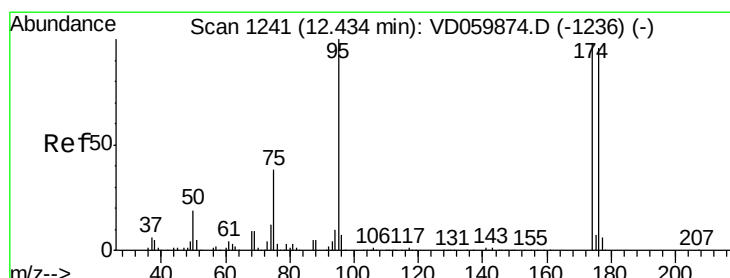
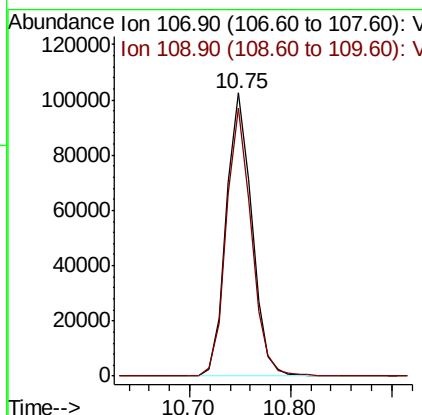
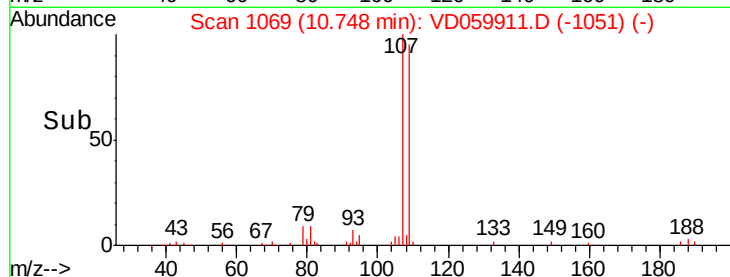
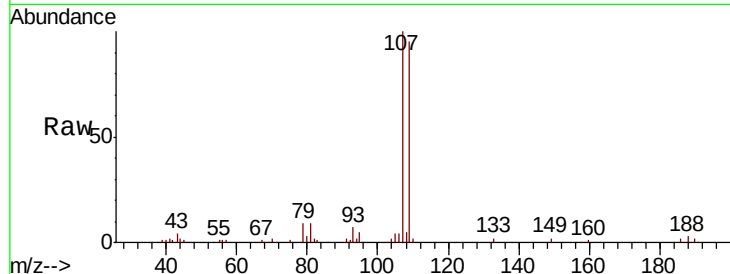
#61
 1,2-Dibromoethane
 Concen: 19.65 ug/l
 RT: 10.75 min Scan# 1069
 Delta R.T. -0.02 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	180652		
109	94.9	74.6	112.0	

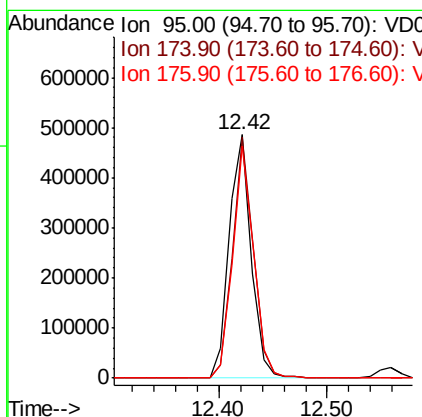
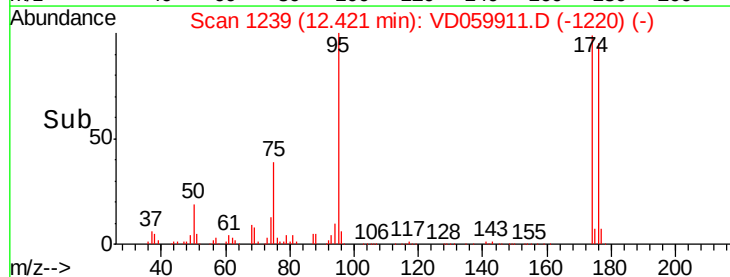
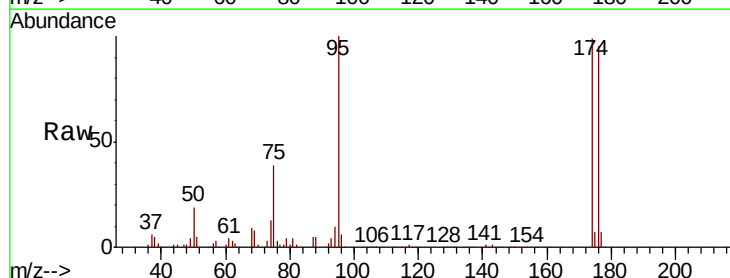
Manual Integrations
 APPROVED

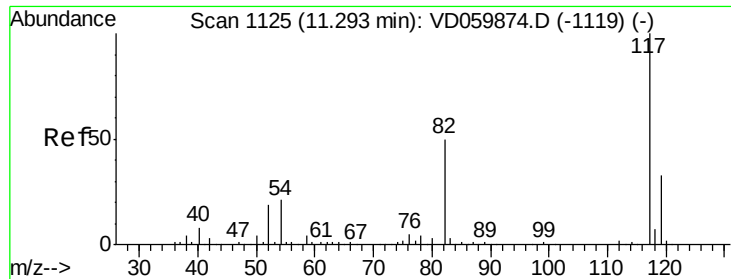
apatel
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#62
 4-Bromofluorobenzene
 Concen: 19.65 ug/l
 RT: 12.42 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	690266		
174	99.0	0.0	195.6	
176	95.4	0.0	191.2	





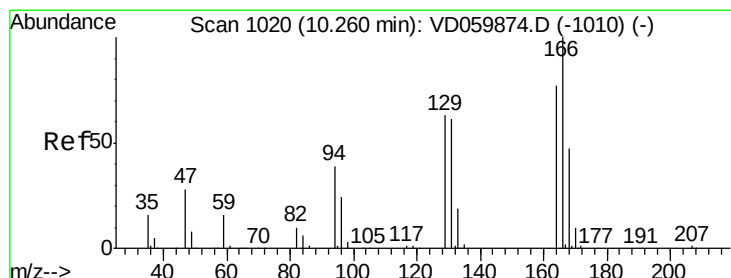
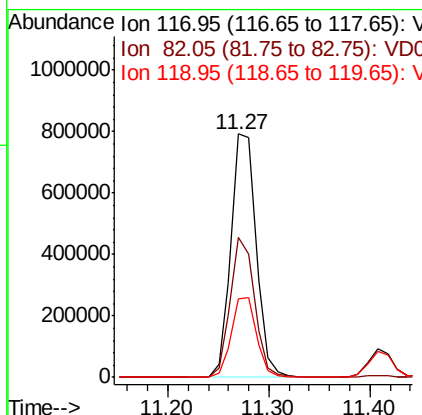
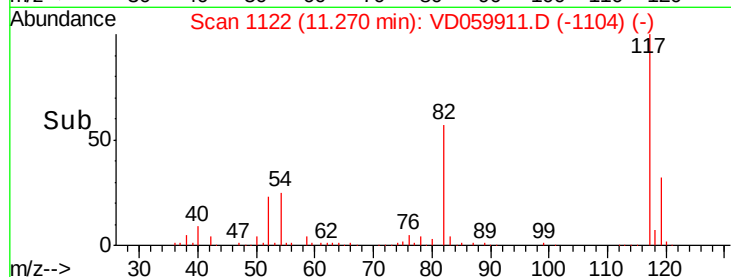
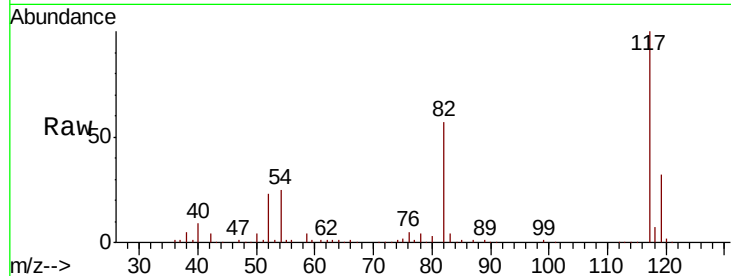
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion:117 Resp: 1376153
Ion Ratio Lower Upper
117 100
82 57.4 40.1 60.1
119 32.0 26.7 40.1

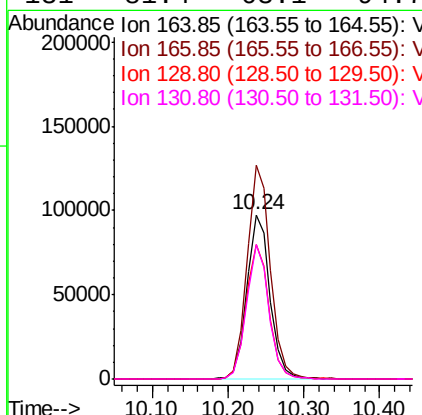
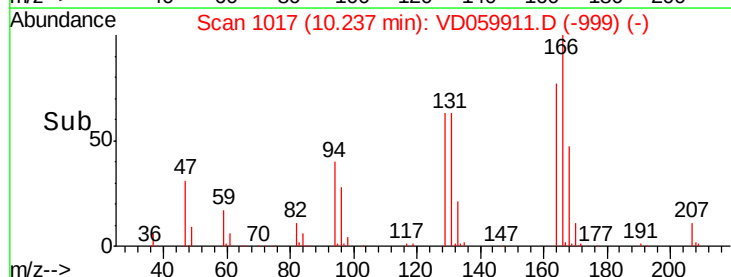
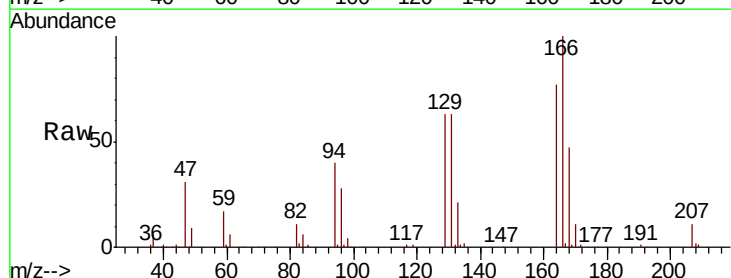
Manual Integrations
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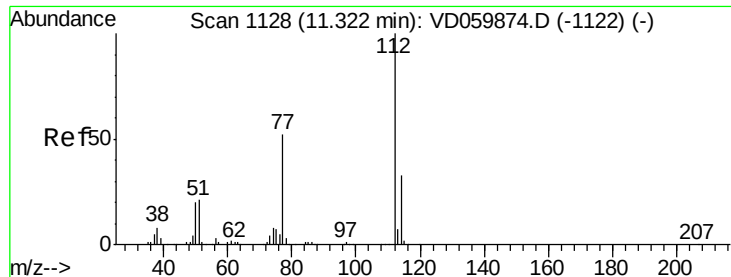
apatel
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#64
Tetrachloroethene
Concen: 19.42 ug/l
RT: 10.24 min Scan# 1017
Delta R.T. -0.02 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion:164 Resp: 206621
Ion Ratio Lower Upper
164 100
166 130.0 103.4 155.2
129 82.1 65.2 97.8
131 81.4 63.1 94.7





#65

Chlorobenzene

Concen: 20.56 ug/l

RT: 11.31 min Scan# 1126

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion:112 Resp: 562375

Ion Ratio Lower Upper

112 100

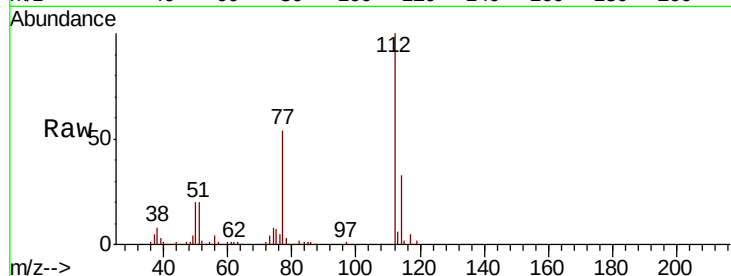
114 33.2 26.4 39.6

Manual Integrations

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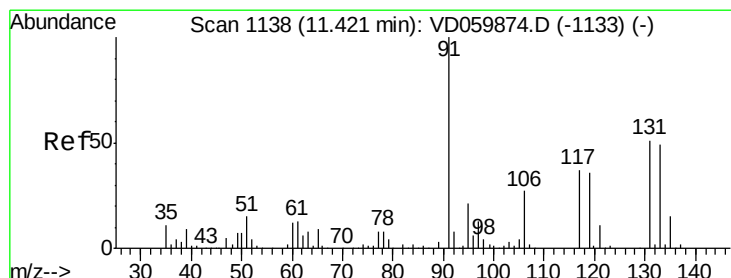
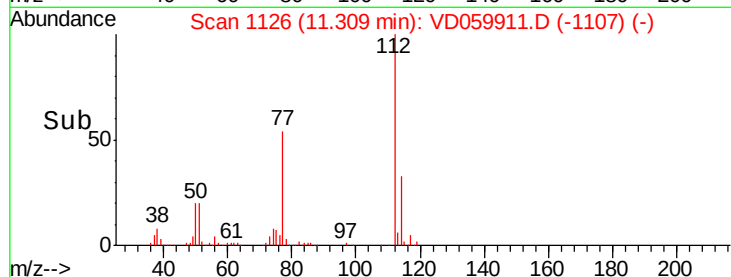
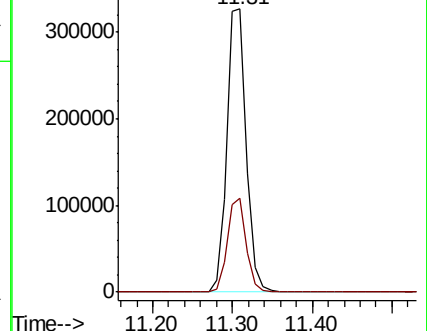
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.63 ug/l

RT: 11.41 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

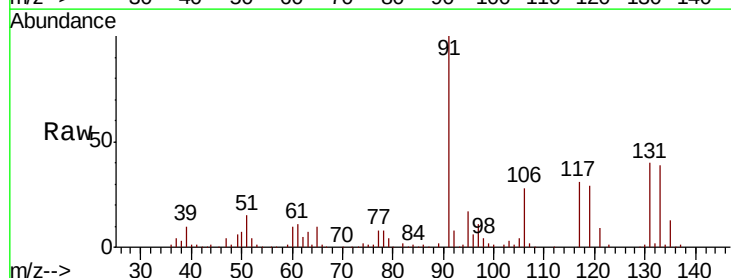
Tgt Ion:131 Resp: 206091

Ion Ratio Lower Upper

131 100

133 97.1 48.3 144.8

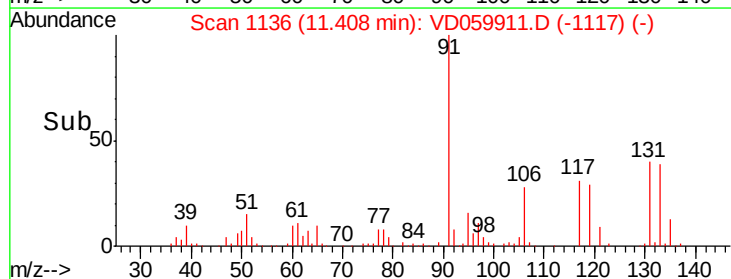
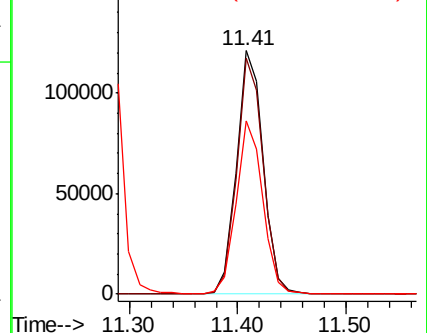
119 71.1 35.4 106.3

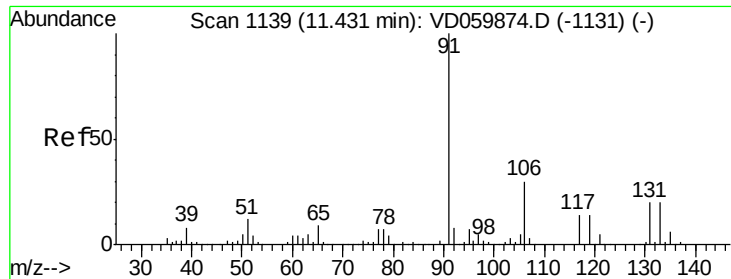


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V





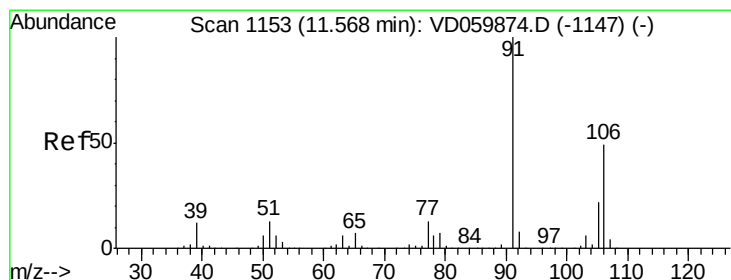
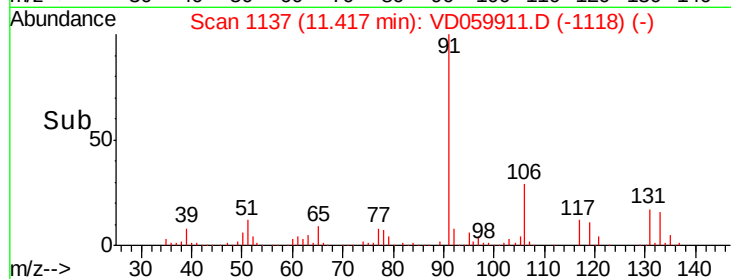
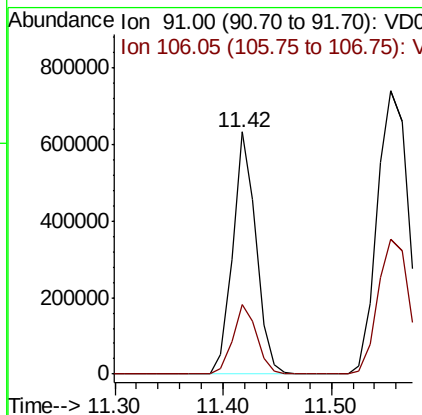
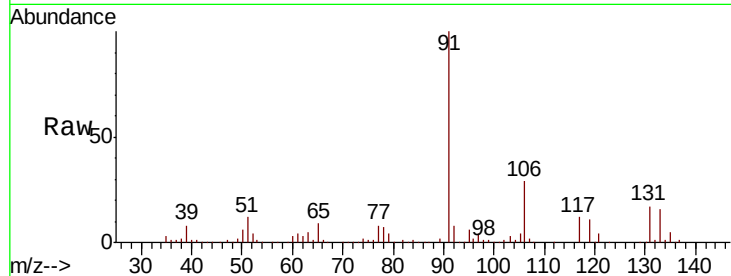
#67
Ethyl Benzene
Concen: 20.65 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion: 91 Resp: 949838
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.8

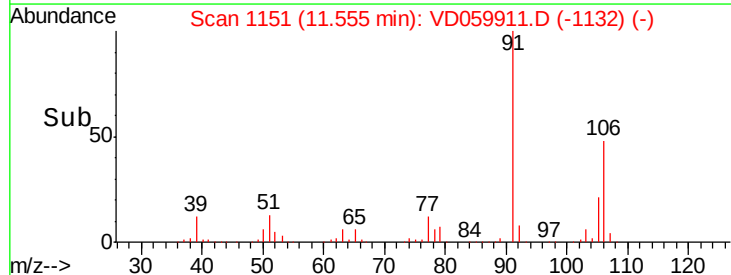
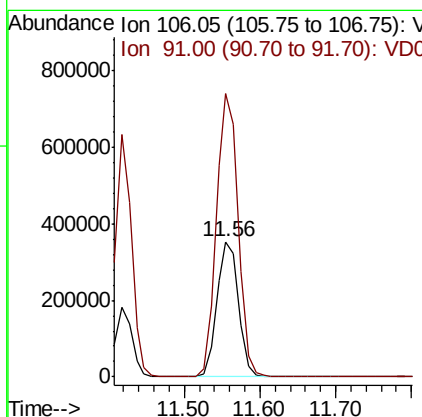
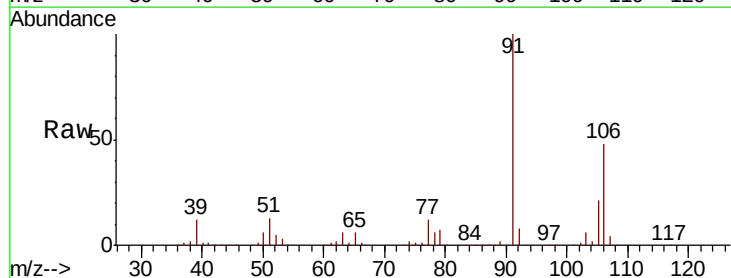
Manual Integrations
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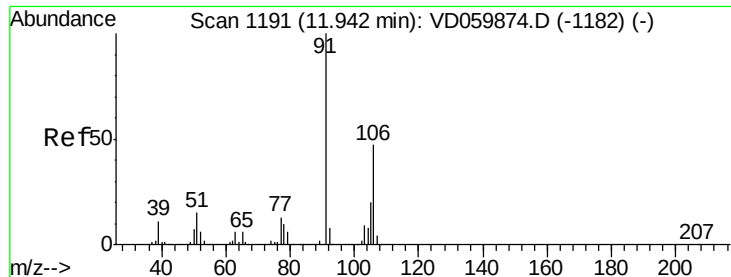
apatel
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#68
m/p-Xylenes
Concen: 41.99 ug/l
RT: 11.56 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion: 106 Resp: 703342
Ion Ratio Lower Upper
106 100
91 209.8 162.0 243.0





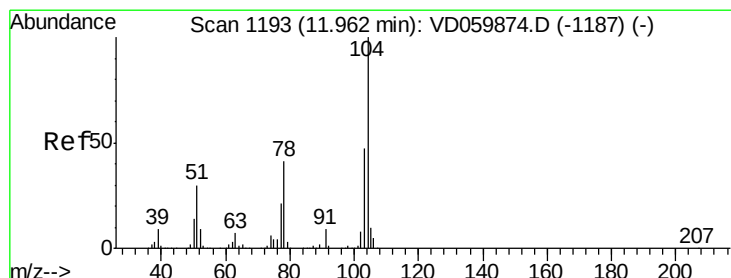
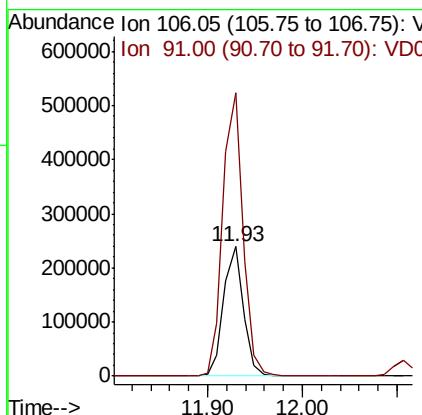
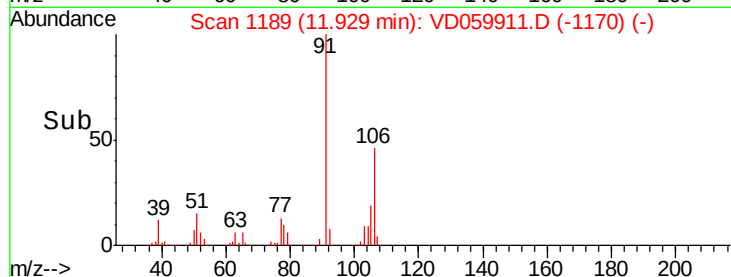
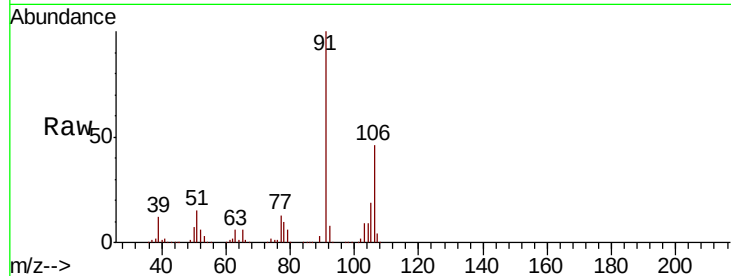
#69
o-Xylene
Concen: 21.25 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	218.5	107.3	348205	322.0	

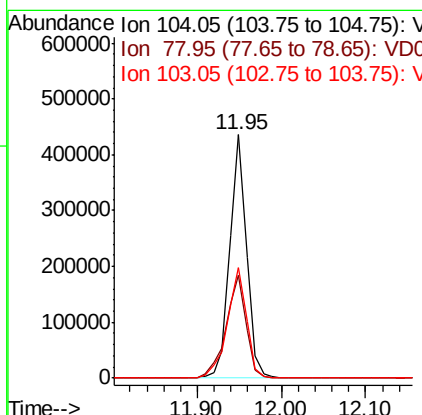
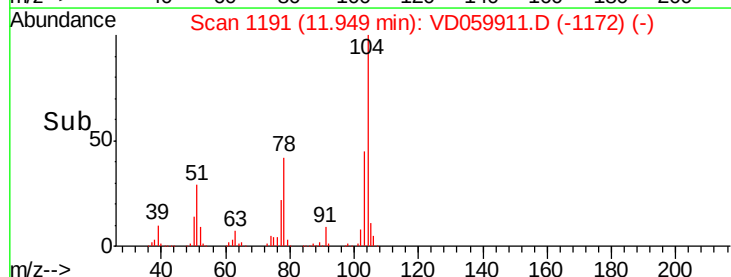
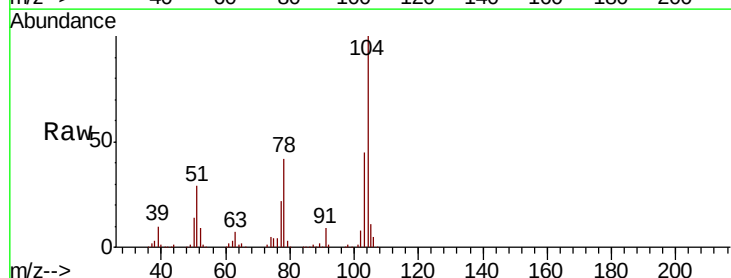
Manual Integrations
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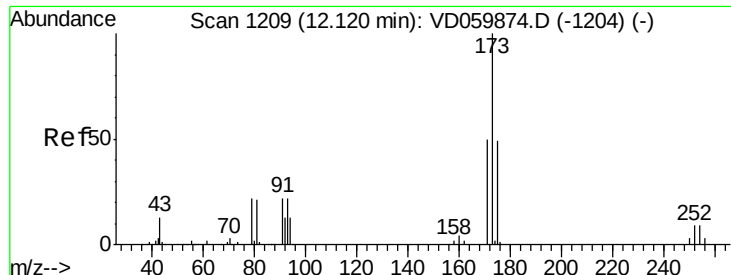
apatel
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#70
Styrene
Concen: 21.31 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	42.0	32.6	604615	49.0	
103	45.4	37.7		56.5	





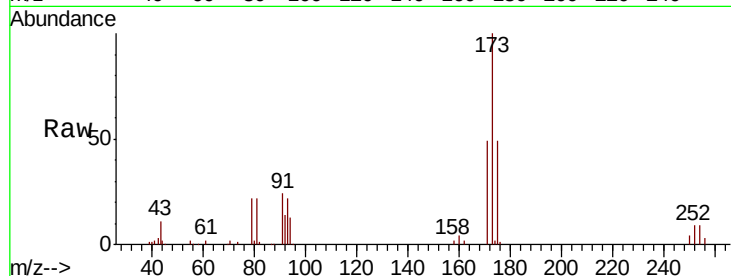
#71
Bromoform
Concen: 19.77 ug/l
RT: 12.11 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	73.0
254	9.1	7.0	10.6

Manual Integrations
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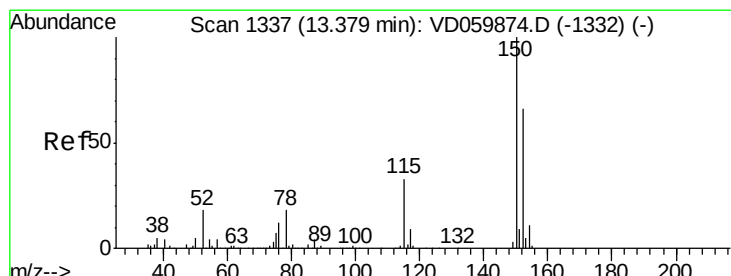
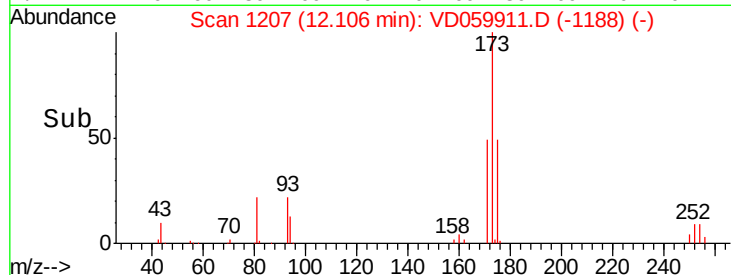
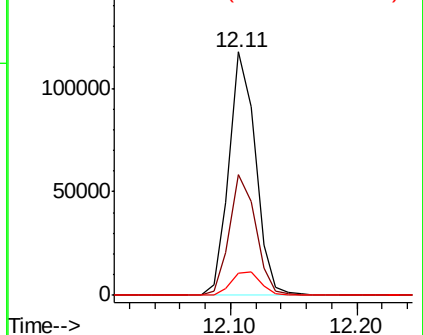


Abundance

Ion 172.80 (172.50 to 173.50): V

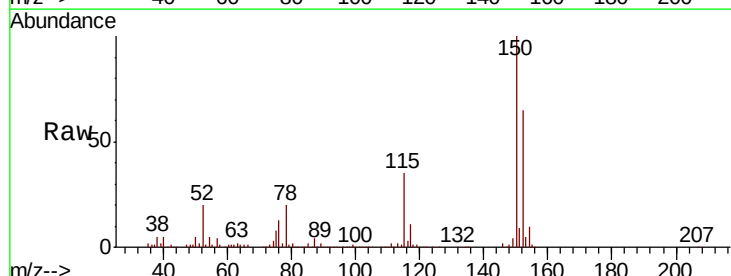
Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	25.7	77.0
150	154.2	0.0	310.2

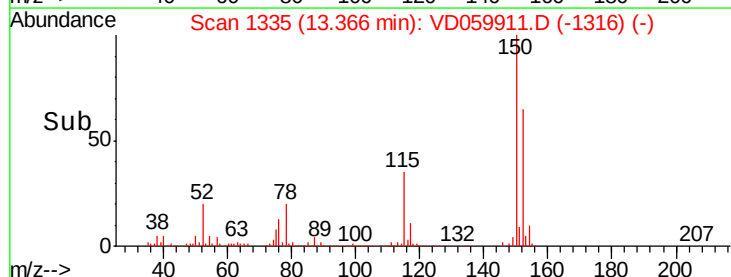
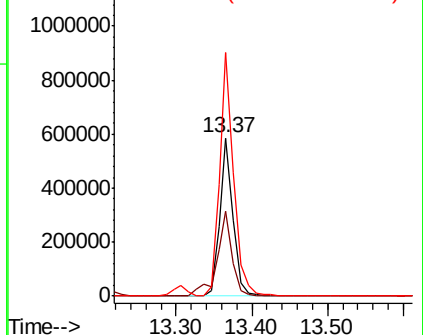


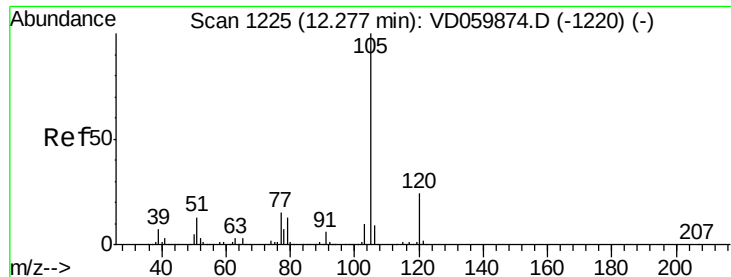
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.33 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 105 Resp: 938356

Ion Ratio Lower Upper

105 100

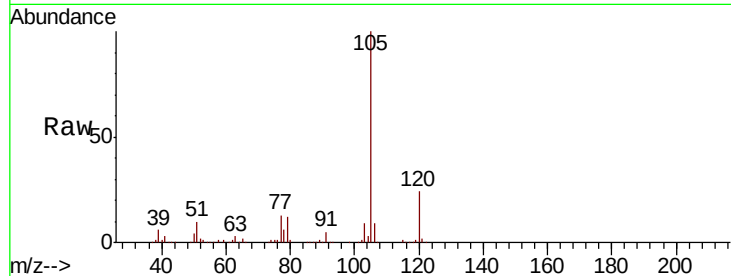
120 24.3 11.8 35.4

Manual Integrations

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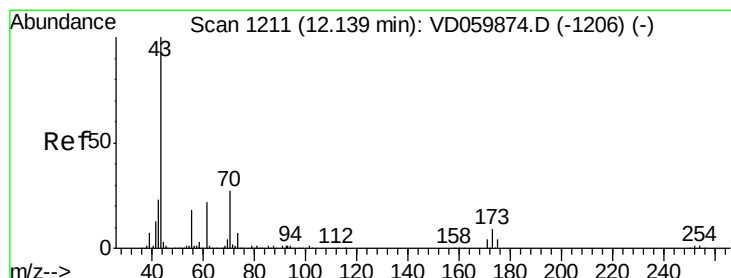
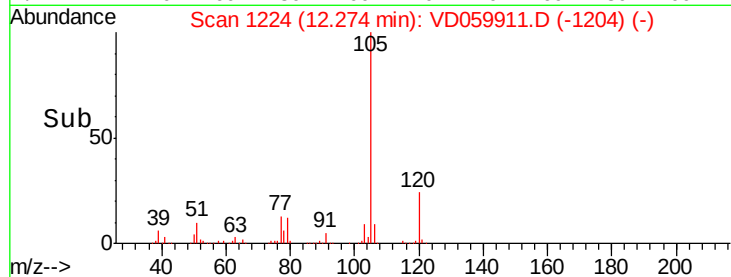
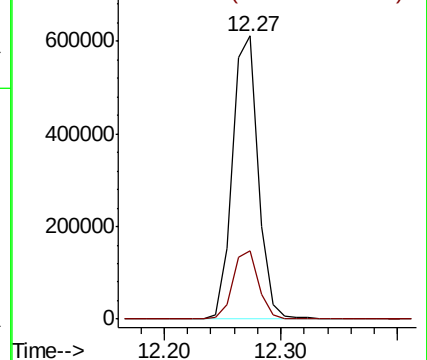
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.72 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Tgt Ion: 43 Resp: 418827

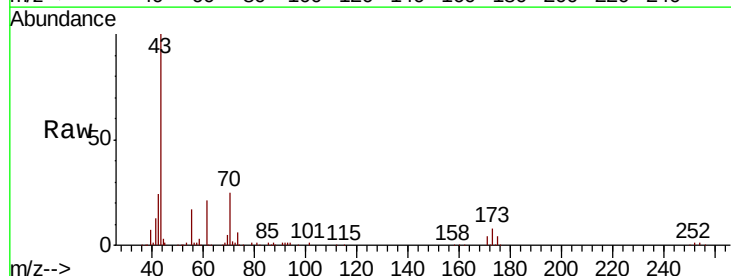
Ion Ratio Lower Upper

43 100

70 25.2 21.4 32.2

55 16.7 14.1 21.1

61 21.4 17.8 26.8

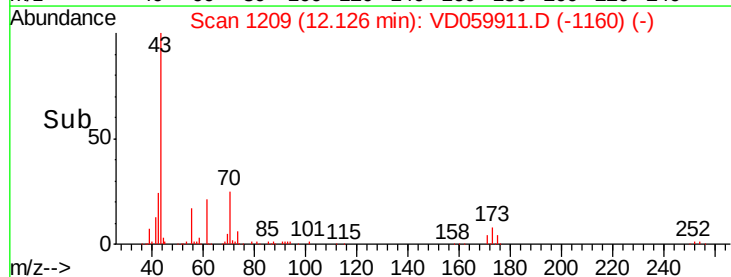
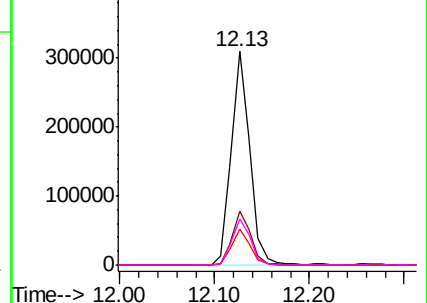


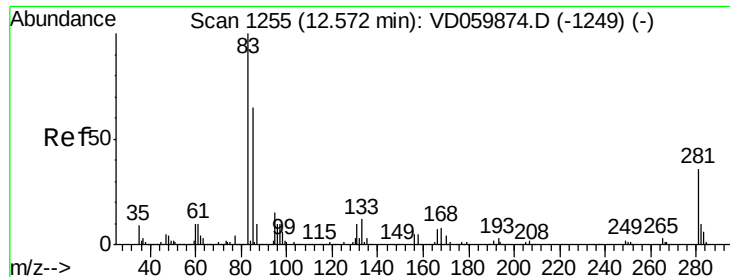
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.91 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBSD01

Tot Ion: 83 Resp: 223222

Ion Ratio Lower Upper

83 100

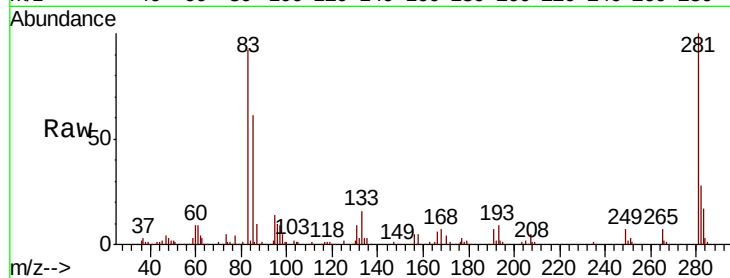
131 9.8 4.8 14.4

85 65.8 32.6 97.8

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apatel

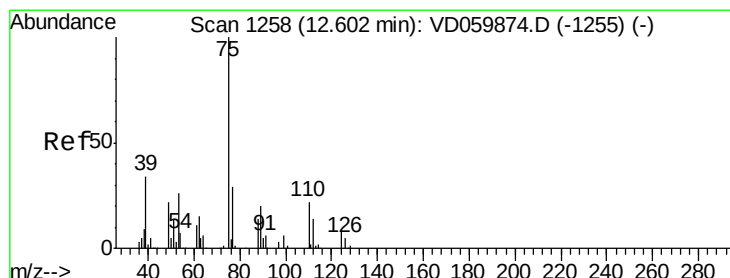
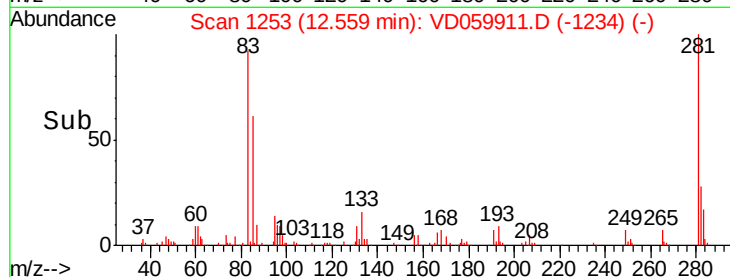
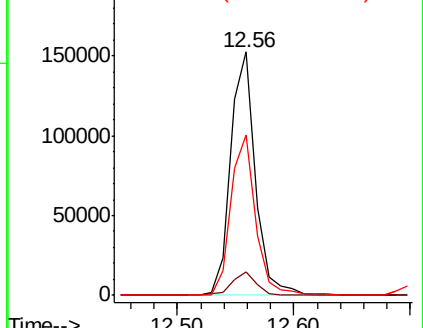
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.71 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VD059911.D

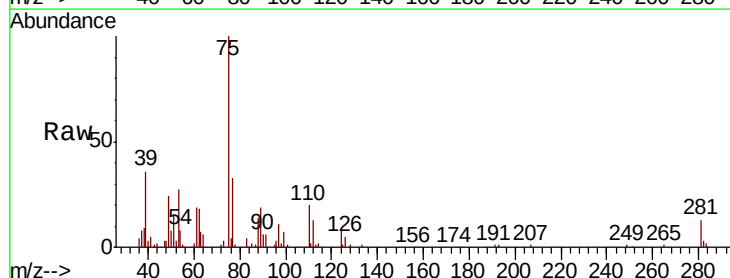
Acq: 27 Aug 2018 13:02

Tgt Ion: 75 Resp: 232721

Ion Ratio Lower Upper

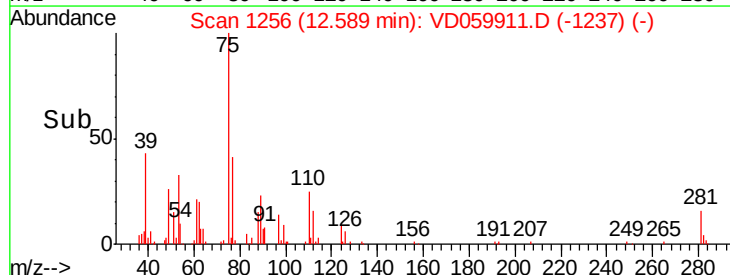
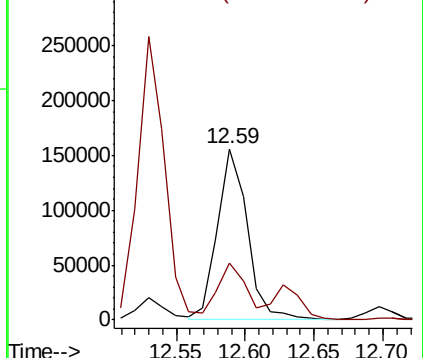
75 100

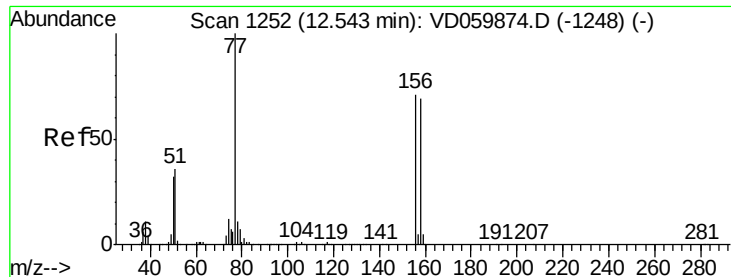
77 33.3 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





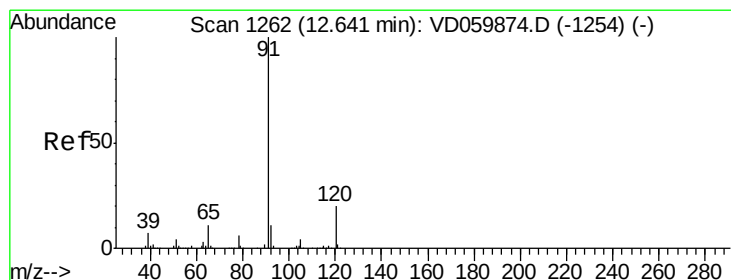
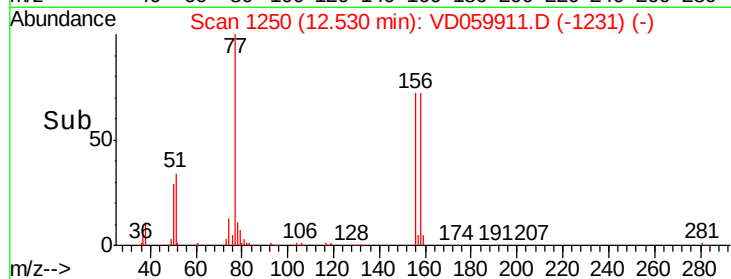
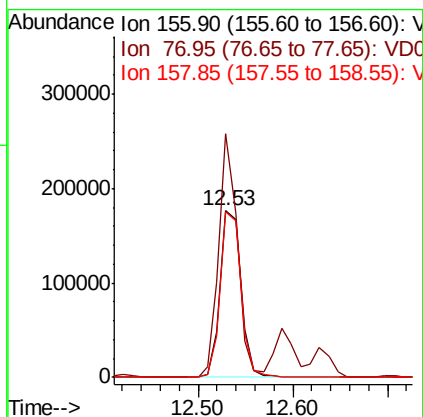
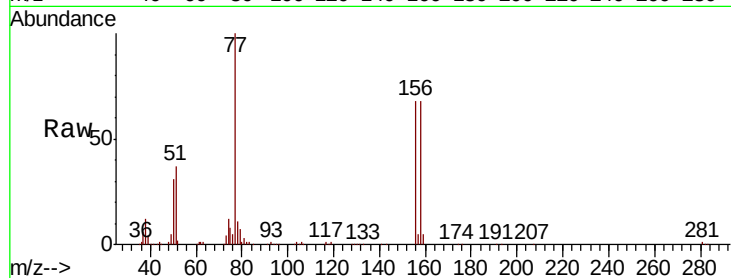
#77
Bromobenzene
Concen: 21.16 ug/l
RT: 12.53 min Scan# 1250
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.0	70.2	210.4
158	99.3	48.4	145.2

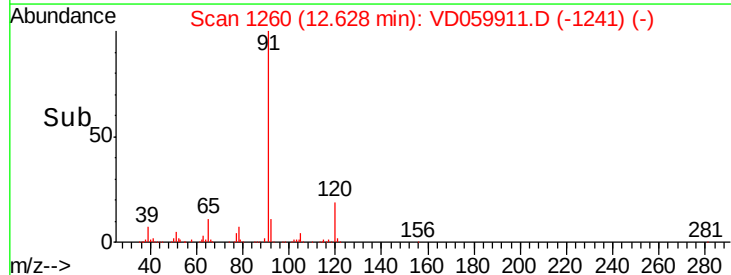
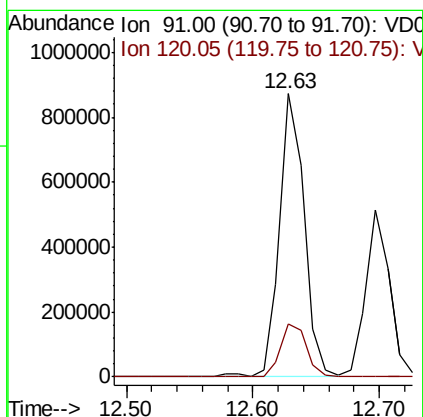
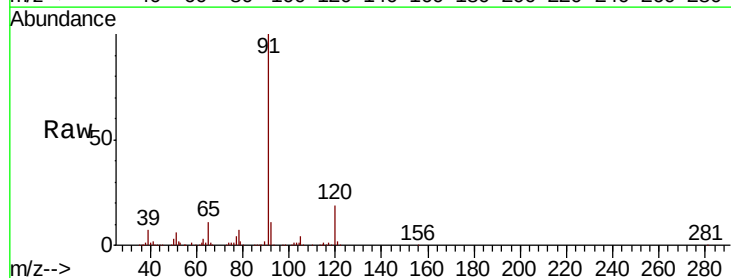
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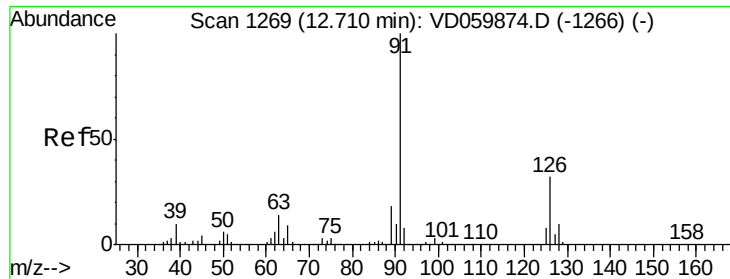
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#78
n-propylbenzene
Concen: 20.45 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.8	10.1	30.3





#79

2-Chlorotoluene

Concen: 20.51 ug/l

RT: 12.70 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VD059911.D

Acq: 27 Aug 2018 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD0827SBS01

Tot Ion: 91 Resp: 678085

Ion Ratio Lower Upper

91 100

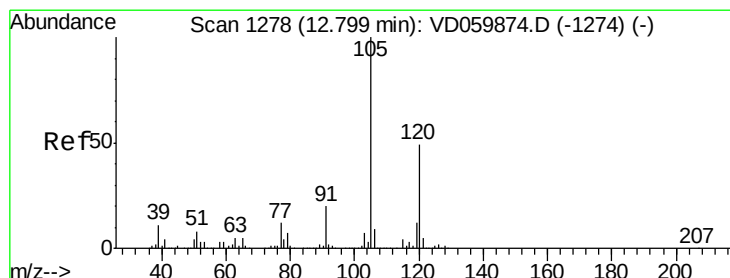
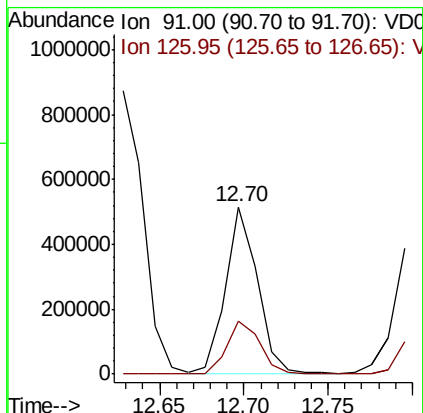
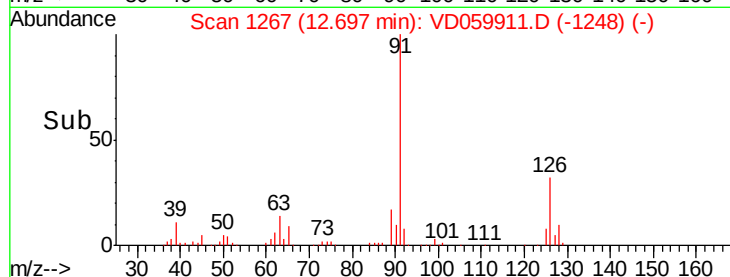
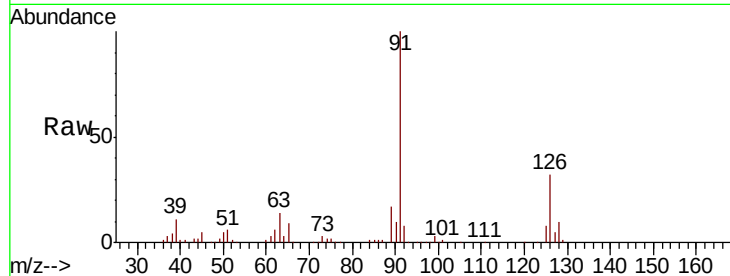
126 31.6 16.1 48.2

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#80

1,3,5-Trimethylbenzene

Concen: 20.87 ug/l

RT: 12.79 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VD059911.D

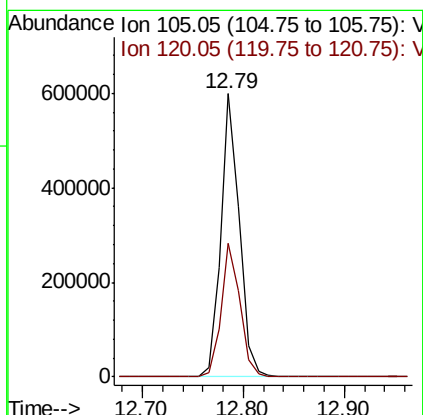
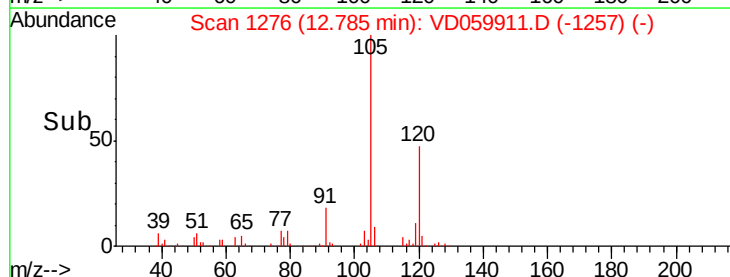
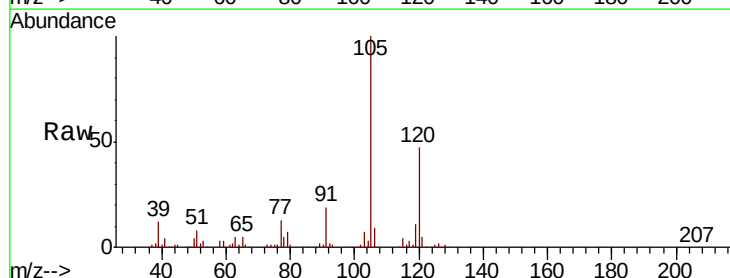
Acq: 27 Aug 2018 13:02

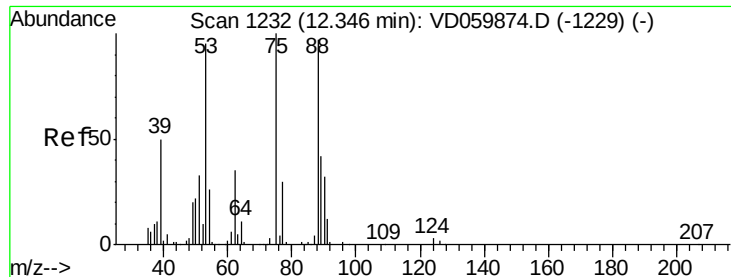
Tgt Ion: 105 Resp: 765740

Ion Ratio Lower Upper

105 100

120 47.1 24.5 73.5





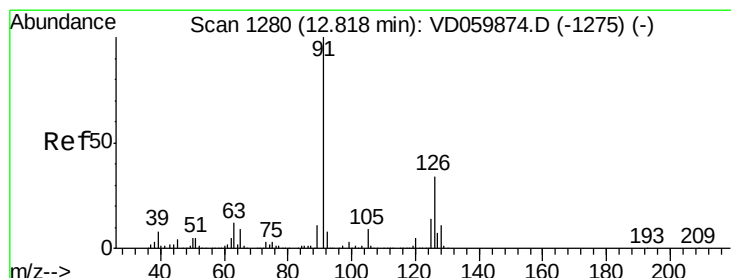
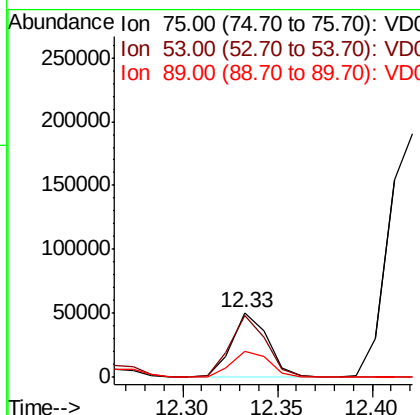
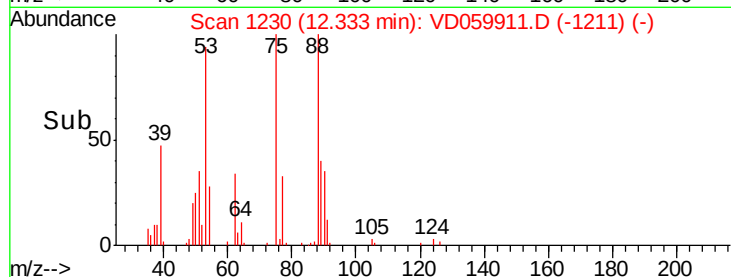
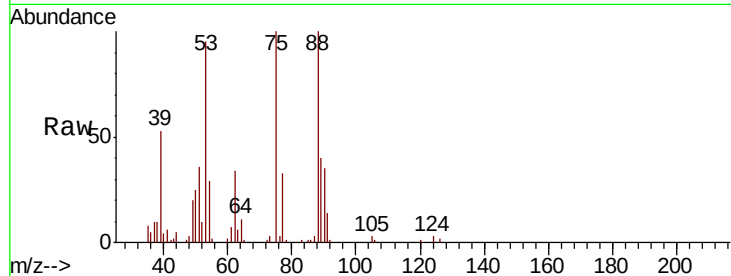
#81
trans-1,4-Dichloro-2-butene
Concen: 19.25 ug/l
RT: 12.33 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.7	75.8	113.6
89	40.2	33.6	50.4

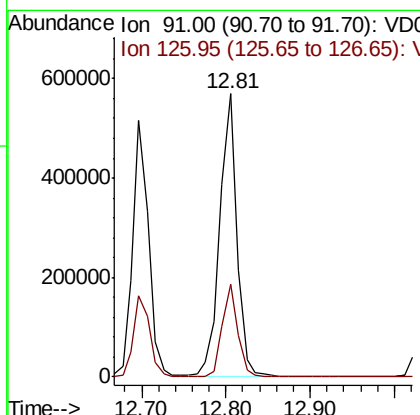
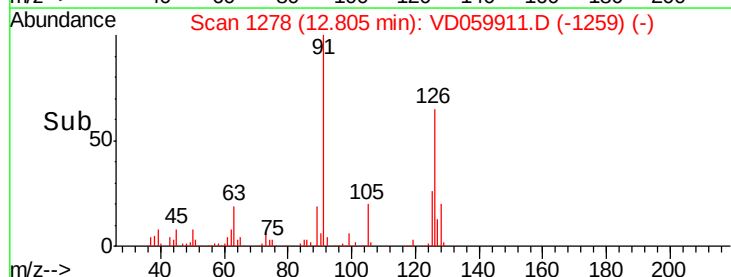
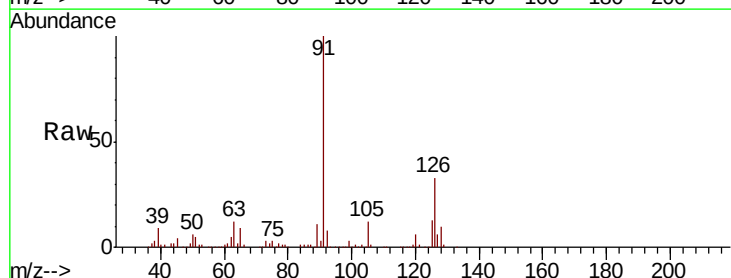
Manual Integrations
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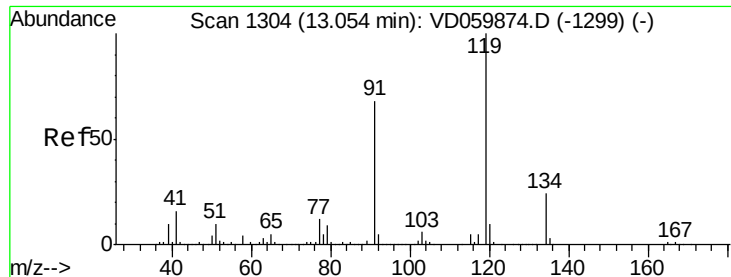
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#82
4-Chlorotoluene
Concen: 21.38 ug/l
RT: 12.81 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	17.1	51.2





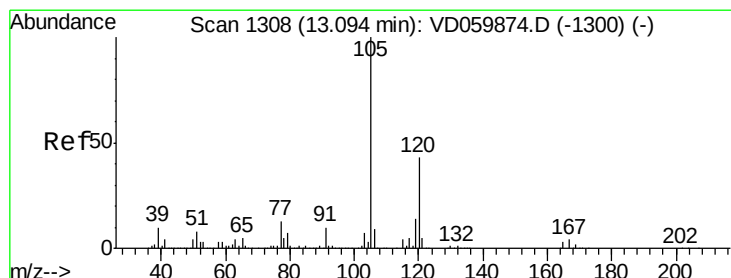
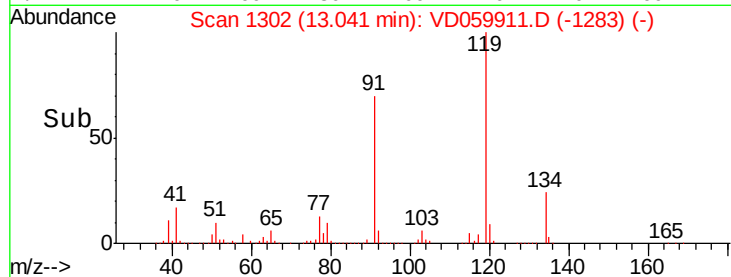
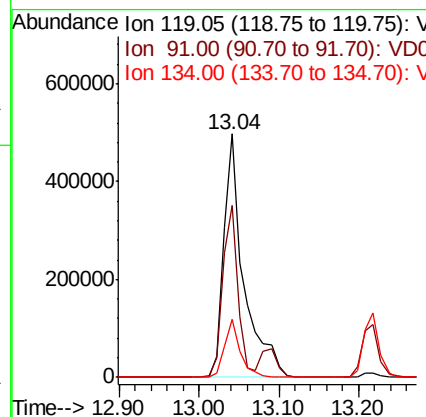
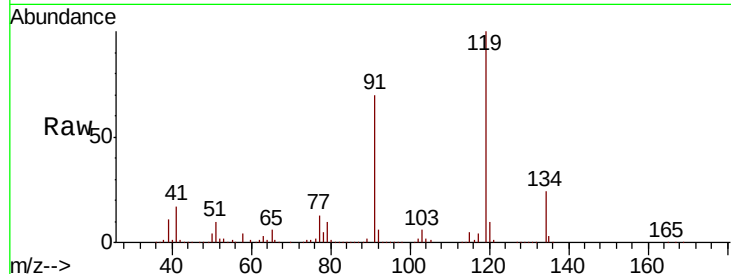
#83
 tert-Butylbenzene
 Concen: 21.06 ug/l
 RT: 13.04 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	880303		
91	70.4	34.3	102.9	
134	23.7	11.9	35.9	

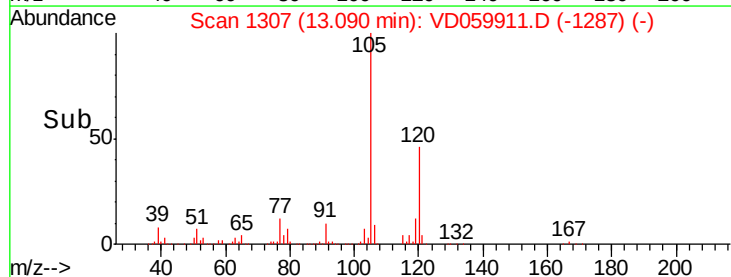
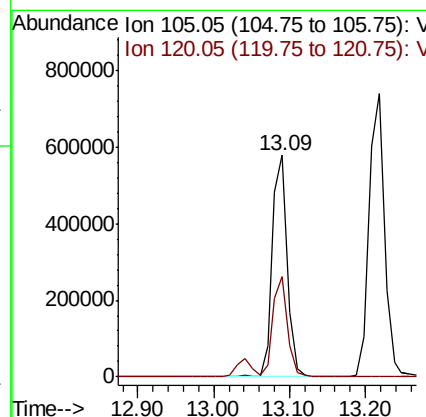
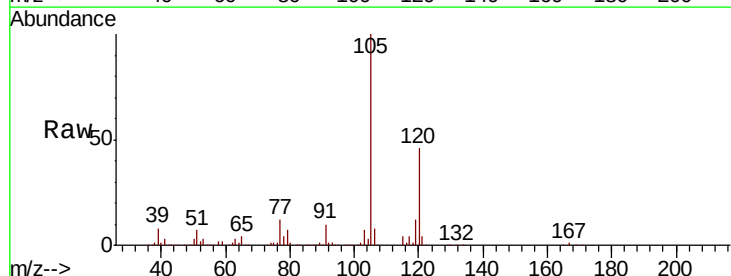
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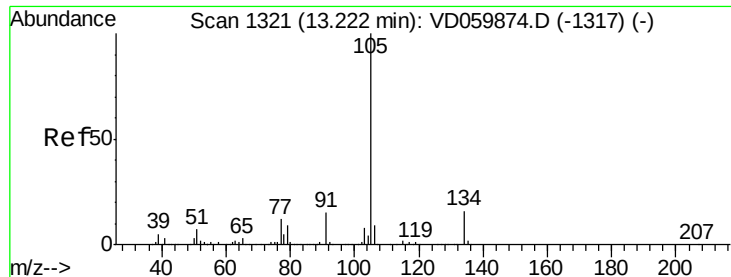
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.06 ug/l
 RT: 13.09 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	805711		
120	45.5	21.8	65.3	





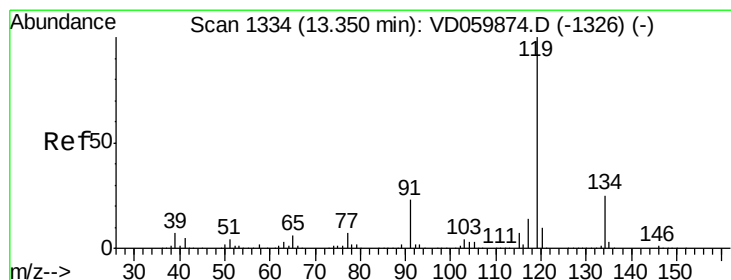
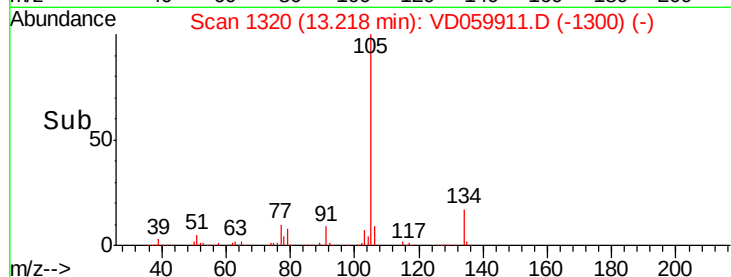
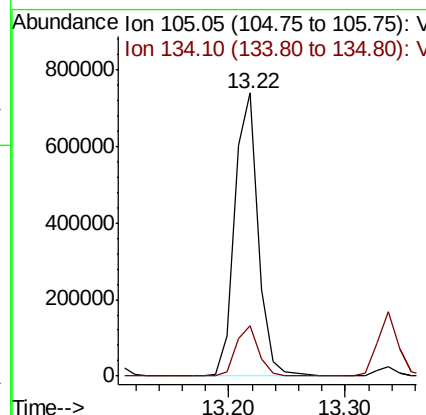
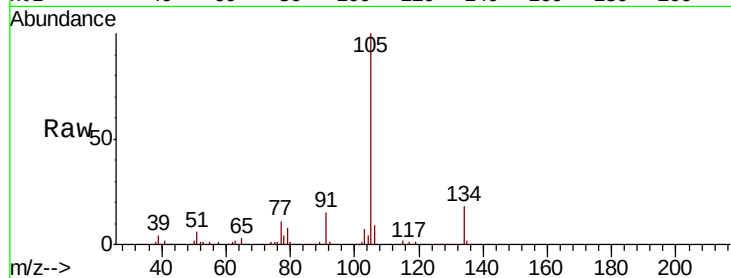
#85
 sec-Butylbenzene
 Concen: 20.81 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion:105 Resp: 1023054
 Ion Ratio Lower Upper
 105 100
 134 17.7 8.2 24.4

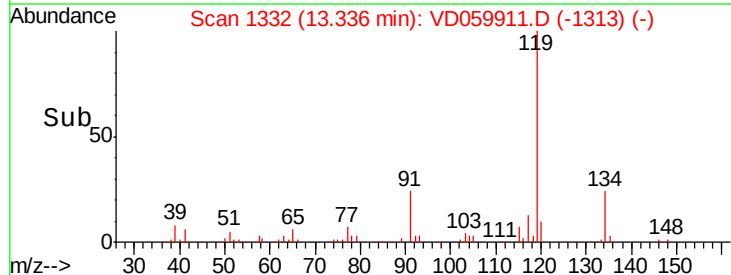
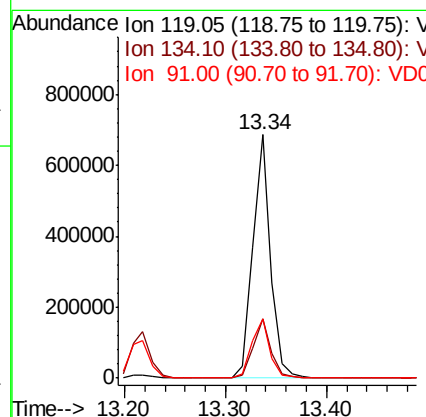
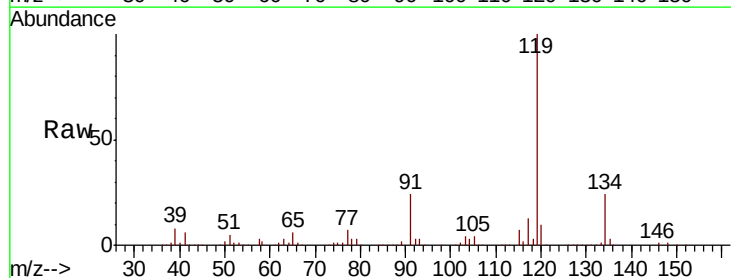
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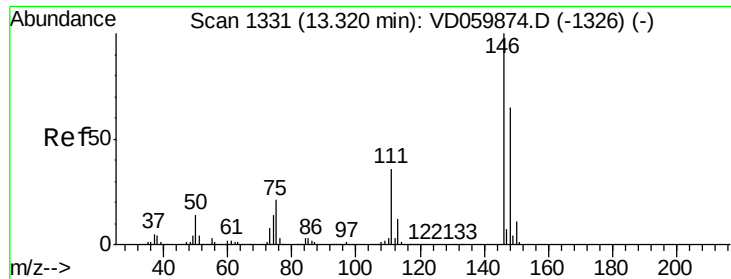
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#86
 p-Isopropyltoluene
 Concen: 20.95 ug/l
 RT: 13.34 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion:119 Resp: 837720
 Ion Ratio Lower Upper
 119 100
 134 24.4 12.7 38.1
 91 24.3 11.7 35.0





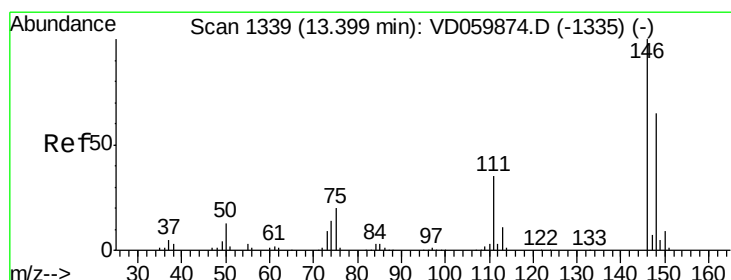
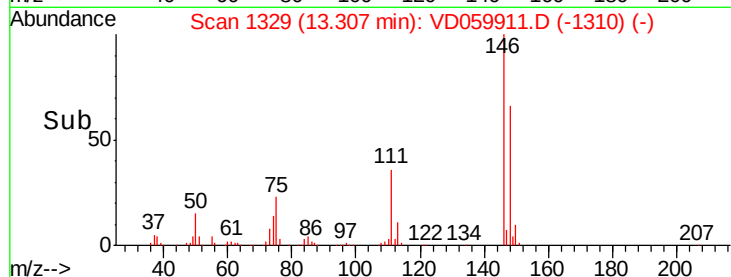
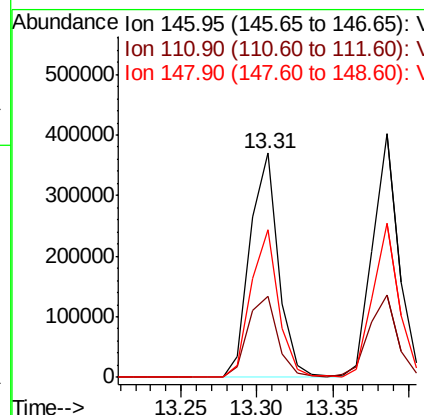
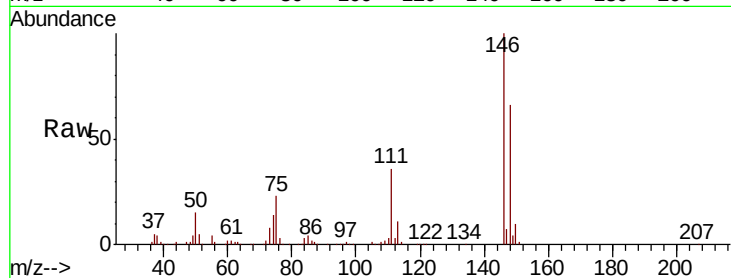
#87
 1,3-Dichlorobenzene
 Concen: 21.21 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.9	53.7
148	65.8	32.4	97.0

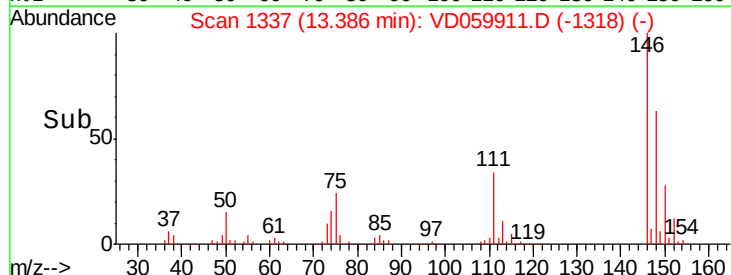
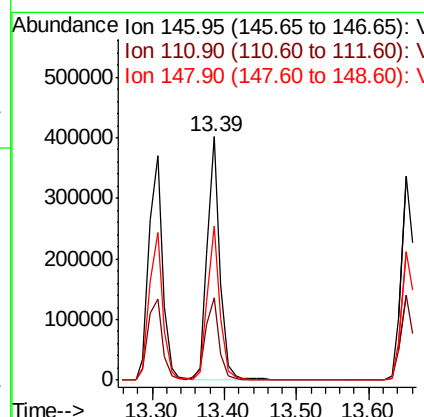
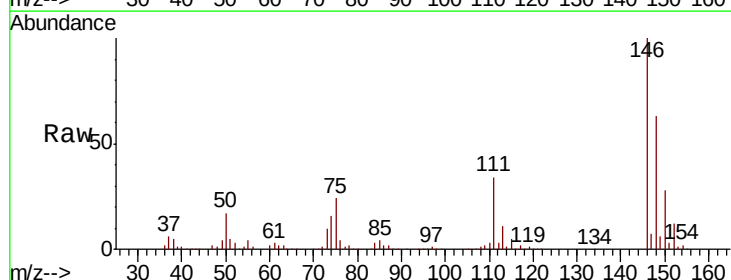
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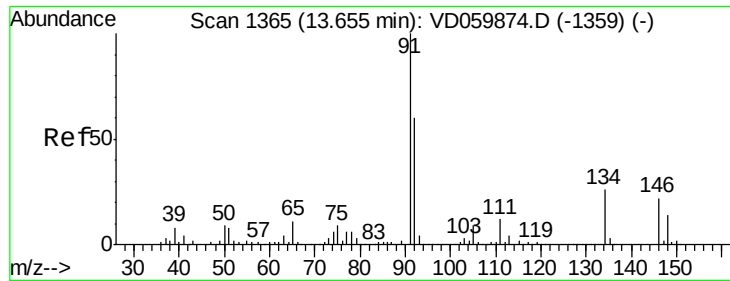
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#88
 1,4-Dichlorobenzene
 Concen: 21.52 ug/l
 RT: 13.39 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.0	17.5	52.6
148	63.1	32.5	97.5





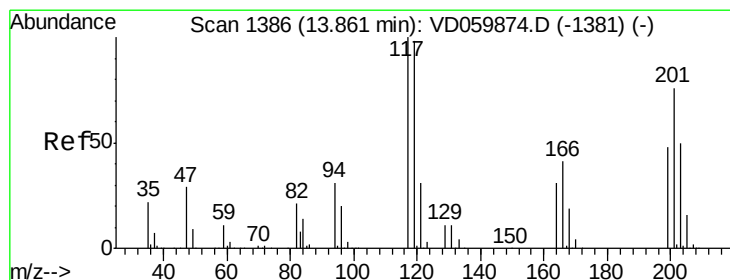
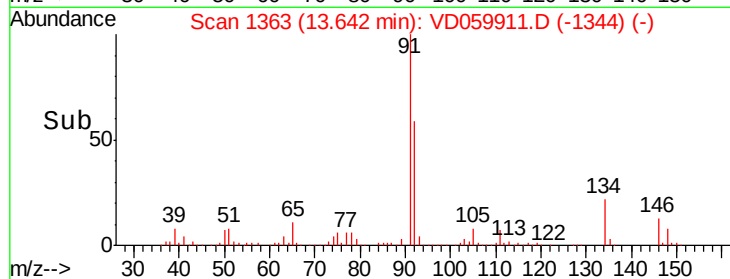
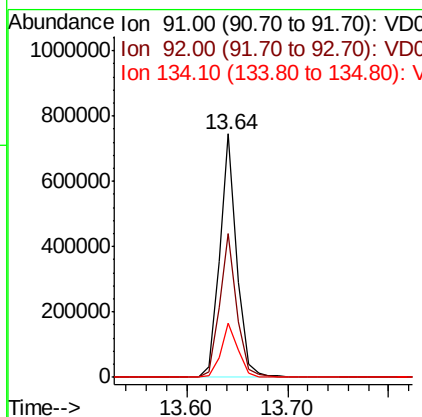
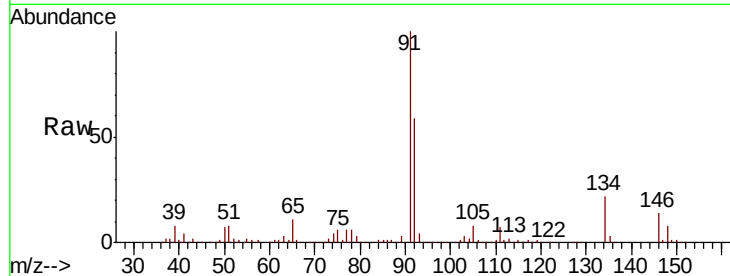
#89
n-Butylbenzene
Concen: 20.37 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.8	30.0	90.1
134	22.1	12.8	38.4

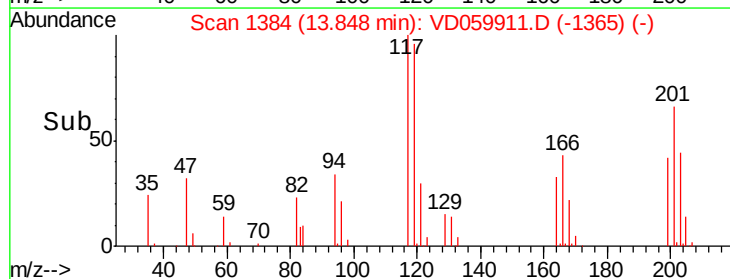
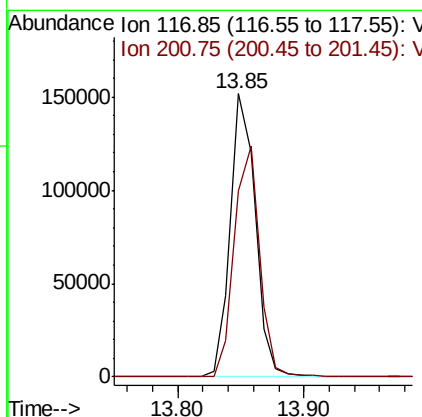
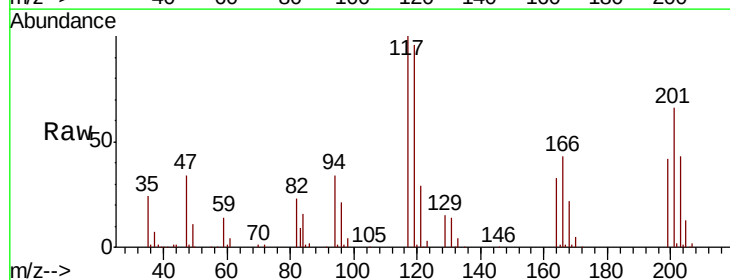
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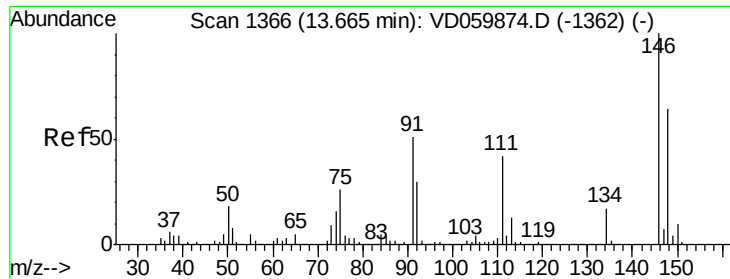
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#90
Hexachloroethane
Concen: 19.40 ug/l
RT: 13.85 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.8	38.1	114.5





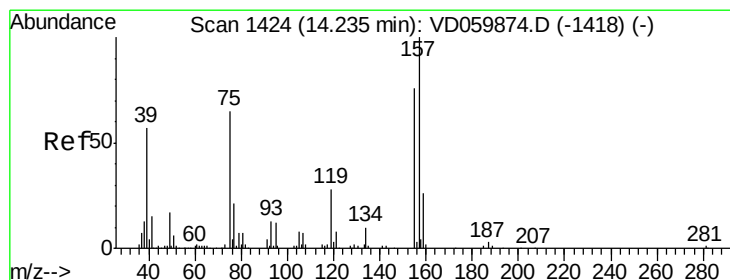
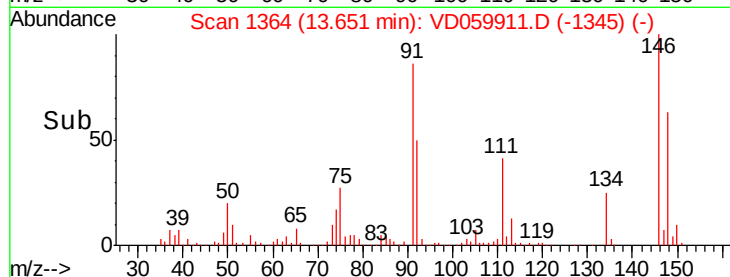
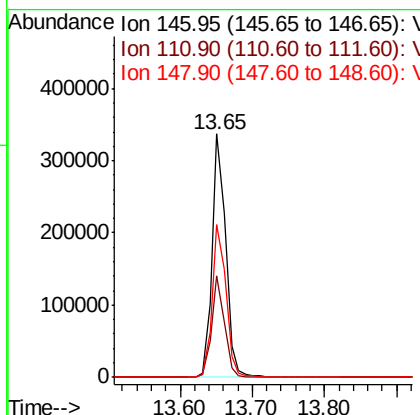
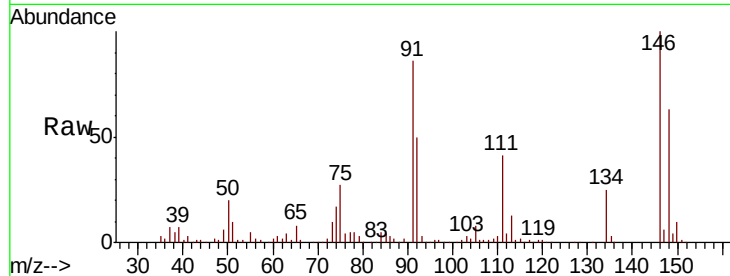
#91
 1,2-Dichlorobenzene
 Concen: 22.47 ug/l
 RT: 13.65 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.1
148	62.9	32.2	96.6

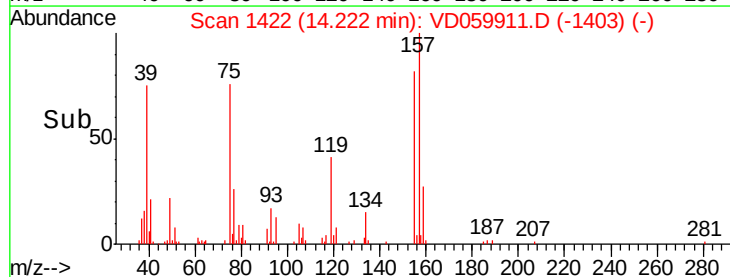
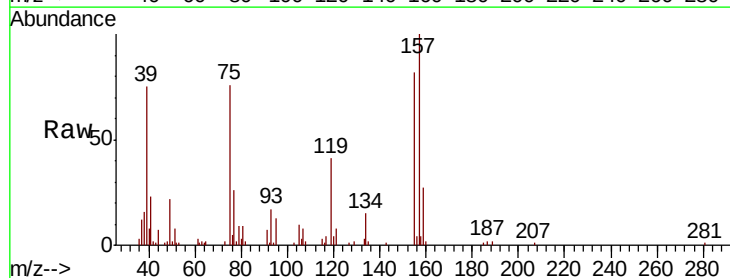
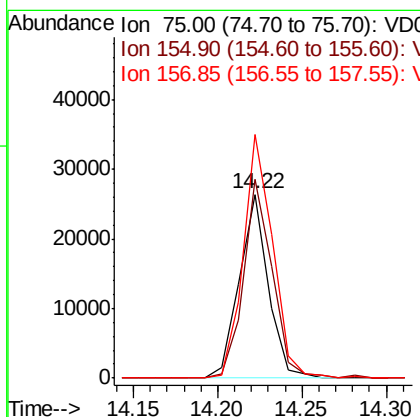
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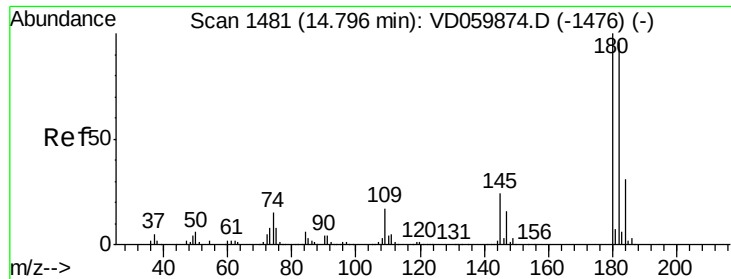
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.11 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.4	58.2	174.6
157	132.4	76.8	230.4





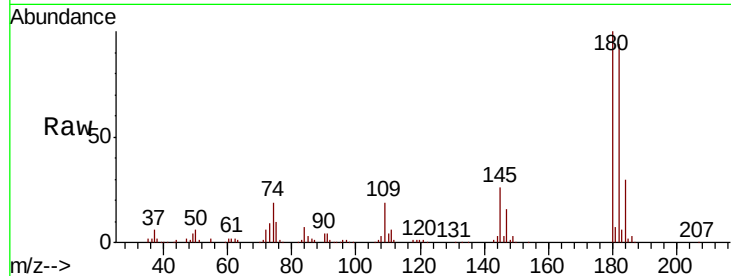
#93
 1,2,4-Trichlorobenzene
 Concen: 20.74 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0827SBSD01

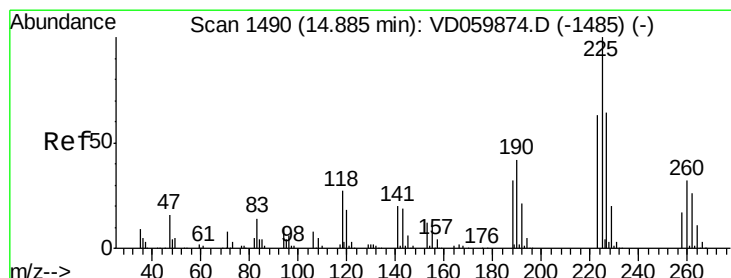
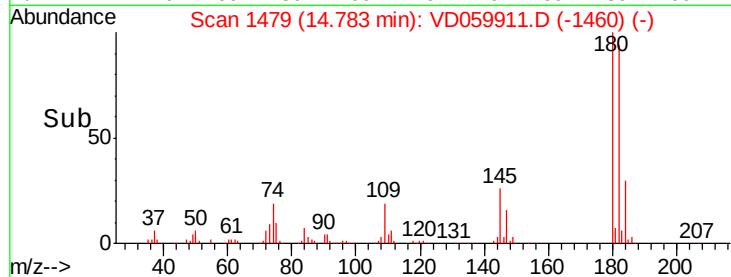
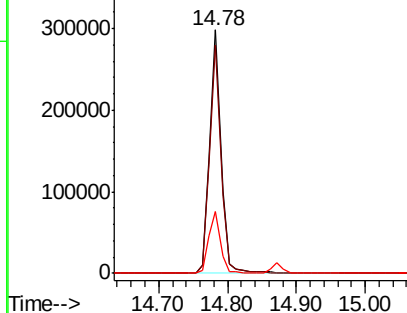
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.9	143.7
145	25.7	12.2	36.4

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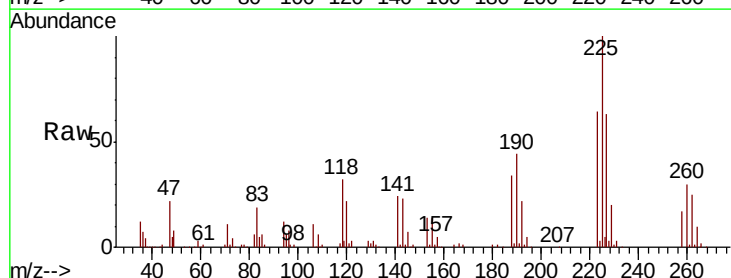


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

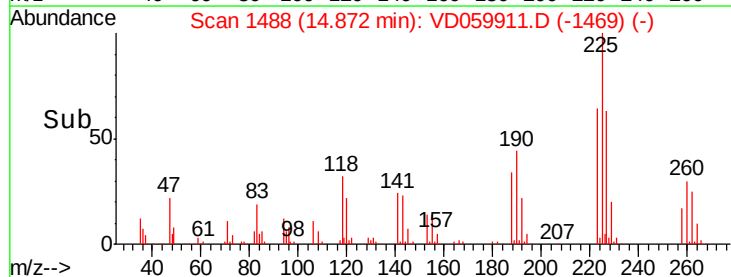
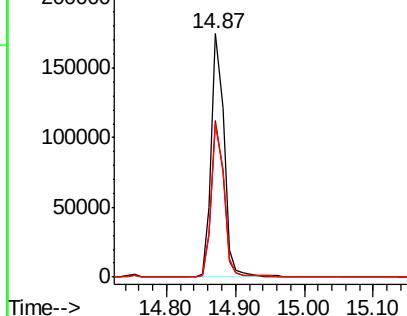


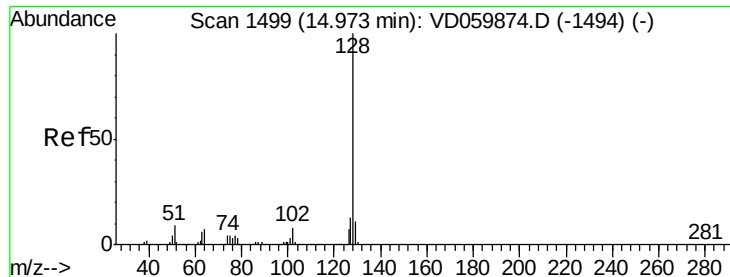
#94
 Hexachlorobutadiene
 Concen: 20.88 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD059911.D
 Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.6	94.8
227	62.7	32.0	96.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





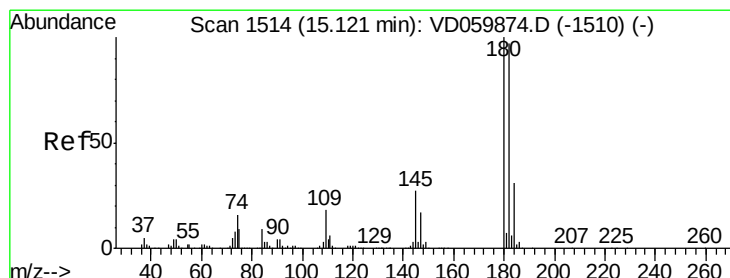
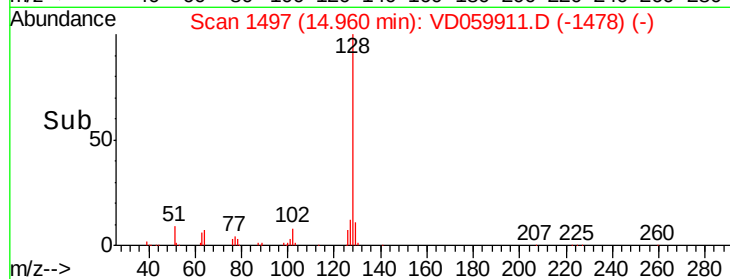
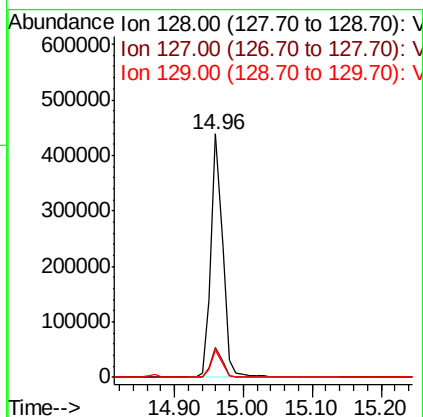
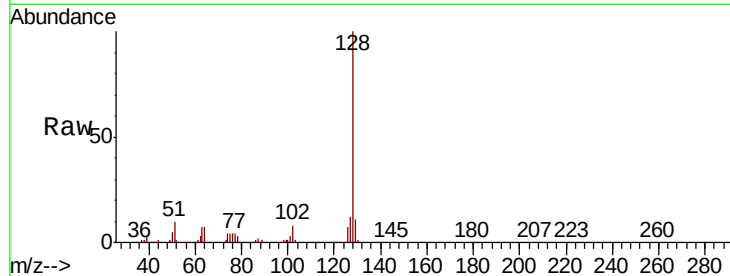
#95
Naphthalene
Concen: 20.59 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD0827SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	523418		
127	12.4	10.0	15.0	
129	11.3	8.6	13.0	

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#96
1,2,3-Trichlorobenzene
Concen: 21.11 ug/l
RT: 15.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VD059911.D
Acq: 27 Aug 2018 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	300269		
182	93.3	48.6	145.8	
145	27.8	13.6	40.8	

