

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083118\
 Data File : VD059930.D
 Acq On : 31 Aug 2018 12:34
 Operator : JC/SY
 Sample : VD0831SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Manual Integrations
 APPROVED

apatel
 9/4/2018 10:48:52 AM

Quant Time: Aug 31 14:44:02 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	6.38	168	1266937	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1759176	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1505591	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.36	152	793394	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	528115	49.46	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	6.29	113	678748	49.21	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	9.43	98	1904304	49.75	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.41	95	731182	47.03	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	182901	16.15	ug/l	100
3) Chloromethane	1.74	50	172308	16.80	ug/l	98
4) Vinyl Chloride	1.84	62	142037	17.66	ug/l	95
5) Bromomethane	2.11	94	14444	10.40	ug/l	89
6) Chloroethane	2.22	64	33519	11.52	ug/l	96
7) Trichlorofluoromethane	2.48	101	166012	17.84	ug/l	99
8) Diethyl Ether	2.80	74	41563	19.91	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.06	101	120994	21.23	ug/l	96
10) Methyl Iodide	3.21	142	93220	17.75	ug/l	93
11) Tert butyl alcohol	3.95	59	87570	107.48	ug/l	98
12) 1,1-Dichloroethene	3.05	96	91247	20.57	ug/l	93
13) Acrolein	2.96	56	24650	69.75	ug/l	99
14) Allyl chloride	3.51	41	190522	18.98	ug/l	95
15) Acrylonitrile	4.06	53	312016	102.26	ug/l	97
16) Acetone	3.13	43	202953	104.32	ug/l	98
17) Carbon Disulfide	3.28	76	212620	15.44	ug/l	100
18) Methyl Acetate	3.53	43	74902	18.44	ug/l	96
19) Methyl tert-butyl Ether	4.10	73	501002	19.96	ug/l	99
20) Methylene Chloride	3.69	84	300734	21.00	ug/l	97
21) trans-1,2-Dichloroethene	4.07	96	224379	18.35	ug/l	99
22) Diisopropyl ether	4.83	45	1036706	20.25	ug/l	99
23) Vinyl Acetate	4.78	43	2981914	104.20	ug/l	100
24) 1,1-Dichloroethane	4.73	63	428548	19.38	ug/l	100
25) 2-Butanone	5.59	43	530147	92.01	ug/l	97
26) 2,2-Dichloropropane	5.56	77	373820	20.22	ug/l	94
27) cis-1,2-Dichloroethene	5.57	96	264443	19.76	ug/l	99
28) Bromochloromethane	5.90	49	221830	20.93	ug/l	99
29) Tetrahydrofuran	5.93	42	284863	103.85	ug/l	99
30) Chloroform	6.08	83	458431	20.40	ug/l	99
31) Cyclohexane	6.34	56	343493	16.89	ug/l	96
32) 1,1,1-Trichloroethane	6.26	97	362065	18.98	ug/l	99
36) 1,1-Dichloropropene	6.50	75	302479	18.97	ug/l	97
37) Ethyl Acetate	5.67	43	255495	20.59	ug/l	99
38) Carbon Tetrachloride	6.47	117	303616	18.87	ug/l	97

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Quant Time: Aug 31 14:44:02 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	306888	17.81	ug/l	96
40) Benzene	6.77	78	805244	19.42	ug/l	100
41) Methacrylonitrile	5.91	41	132102m	21.13	ug/l	
42) 1,2-Dichloroethane	6.87	62	265612	19.95	ug/l	97
43) Isopropyl Acetate	8.33	43	320808	19.87	ug/l #	97
44) Trichloroethene	7.72	130	234872	19.24	ug/l	97
45) 1,2-Dichloropropane	8.08	63	231842	20.00	ug/l	95
46) Dibromomethane	8.19	93	146320	19.63	ug/l	96
47) Bromodichloromethane	8.47	83	341938	20.27	ug/l	98
48) Methyl methacrylate	8.22	41	186001	19.76	ug/l	98
49) 1,4-Dioxane	8.21	88	35826	426.40	ug/l	92
51) 4-Methyl-2-Pentanone	9.32	43	1079358	89.68	ug/l	98
52) Toluene	9.53	92	523487	19.69	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	310707	19.91	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	360114	19.90	ug/l	98
55) 1,1,2-Trichloroethane	10.16	97	196683	20.24	ug/l	97
56) Ethyl methacrylate	10.01	69	227585	20.29	ug/l	97
57) 1,3-Dichloropropane	10.37	76	286237	20.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	609980	113.36	ug/l	99
59) 2-Hexanone	10.48	43	828381	93.31	ug/l	98
60) Dibromochloromethane	10.62	129	243595	19.94	ug/l	97
61) 1,2-Dibromoethane	10.74	107	196119	19.96	ug/l	99
64) Tetrachloroethene	10.24	164	220408	18.93	ug/l	97
65) Chlorobenzene	11.30	112	590653	19.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.41	131	223593	20.46	ug/l	98
67) Ethyl Benzene	11.42	91	1027036	20.40	ug/l	100
68) m/p-Xylenes	11.56	106	756960	41.30	ug/l	100
69) o-Xylene	11.92	106	353133	19.70	ug/l	94
70) Styrene	11.94	104	624415	20.12	ug/l	97
71) Bromoform	12.11	173	177514	18.77	ug/l #	99
73) Isopropylbenzene	12.27	105	977682	19.30	ug/l	98
74) N-amyl acetate	12.13	43	438119	19.76	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	236760	20.21	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	238811	19.37	ug/l	99
77) Bromobenzene	12.53	156	288922	20.58	ug/l	87
78) n-propylbenzene	12.63	91	1247491	19.45	ug/l	100
79) 2-Chlorotoluene	12.70	91	706688	19.49	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	820875	20.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	69469	18.11	ug/l	96
82) 4-Chlorotoluene	12.80	91	842226	20.36	ug/l	93
83) tert-Butylbenzene	13.03	119	928178	20.24	ug/l	92
84) 1,2,4-Trimethylbenzene	13.08	105	845264	20.14	ug/l	100
85) sec-Butylbenzene	13.21	105	1085434	20.12	ug/l	99
86) p-Isopropyltoluene	13.33	119	888179	20.25	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	501078	19.99	ug/l	97
88) 1,4-Dichlorobenzene	13.38	146	500548	20.01	ug/l	97
89) n-Butylbenzene	13.63	91	911900	19.10	ug/l	95
90) Hexachloroethane	13.85	117	208076	17.66	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	455292	21.36	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	34260	19.02	ug/l	64

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ClientSampleId :
VD0831SBS01

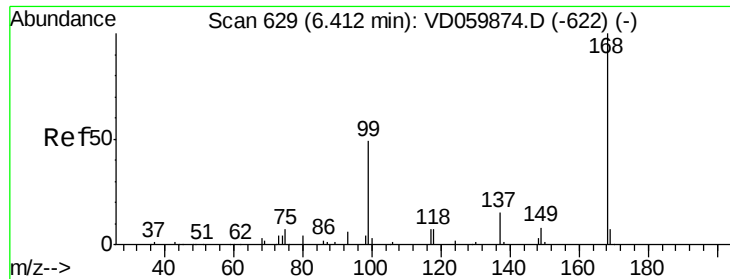
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	361508	19.81	ug/l	97
94) Hexachlorobutadiene	14.87	225	238960	19.97	ug/l	98
95) Naphthalene	14.96	128	558930	20.04	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	306210	19.62	ug/l	99

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



#1

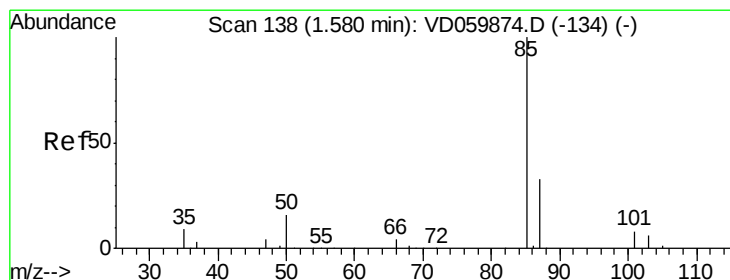
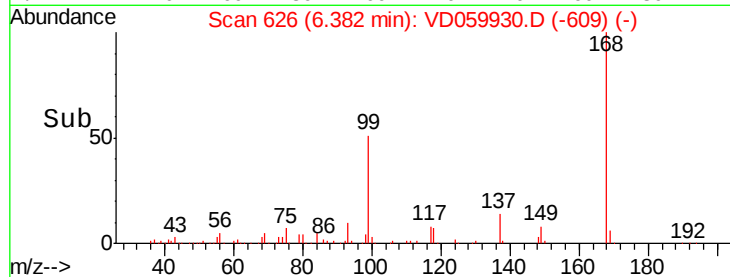
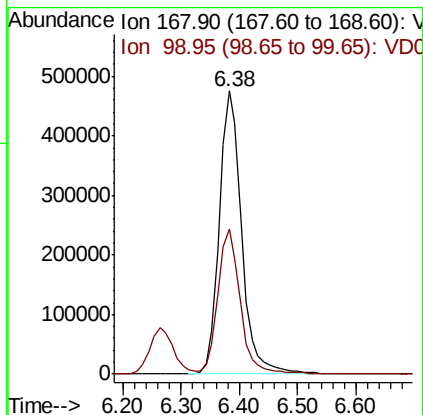
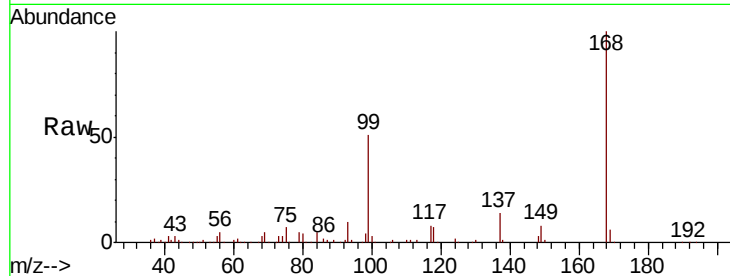
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.38 min Scan# 626
 Delta R.T. -0.03 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion:168 Resp: 1266937
 Ion Ratio Lower Upper
 168 100
 99 51.2 42.2 63.2

Manual Integrations
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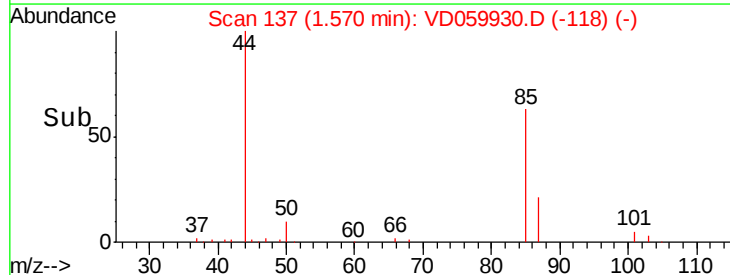
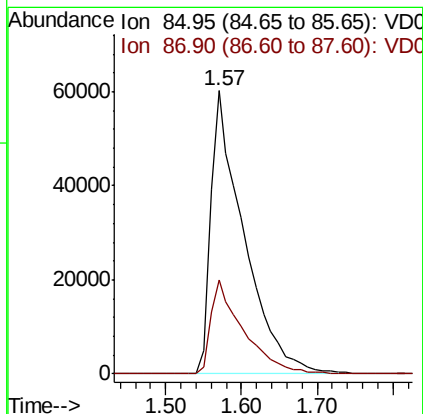
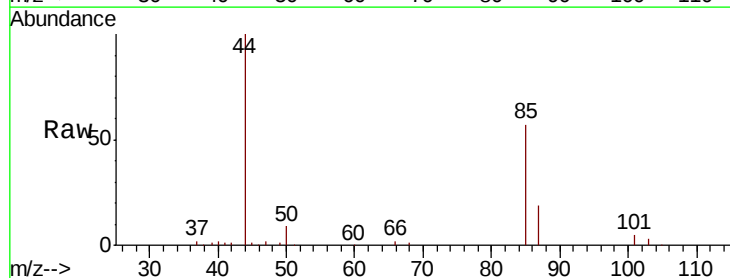
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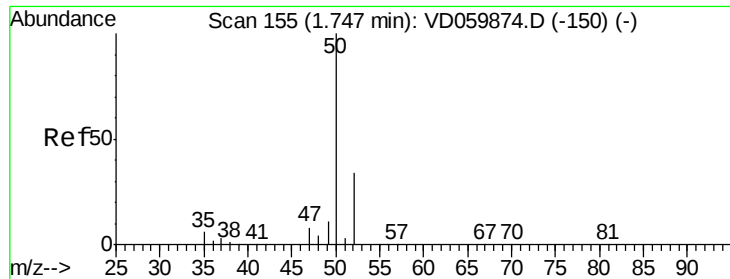


#2

Dichlorodifluoromethane
 Concen: 16.15 ug/l
 RT: 1.57 min Scan# 137
 Delta R.T. -0.01 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Tgt Ion: 85 Resp: 182901
 Ion Ratio Lower Upper
 85 100
 87 33.4 16.8 50.3





#3

Chloromethane

Concen: 16.80 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.01 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 50 Resp: 172308

Ion Ratio Lower Upper

50 100

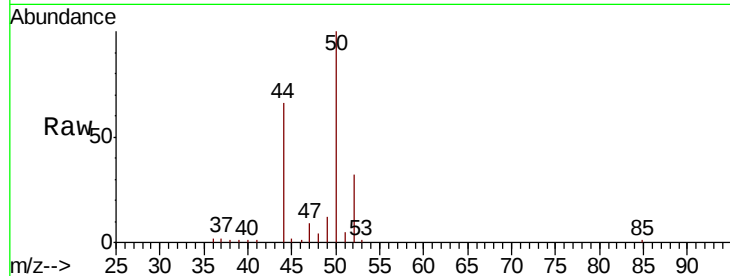
52 32.4 27.0 40.6

Manual Integrations

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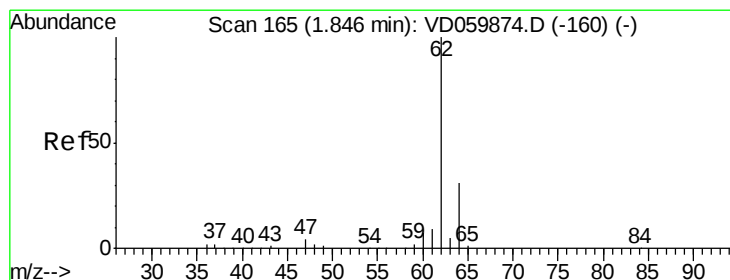
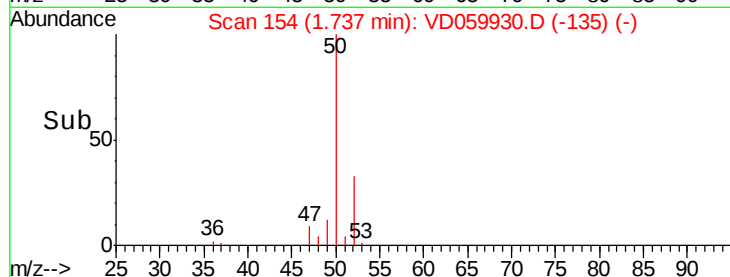
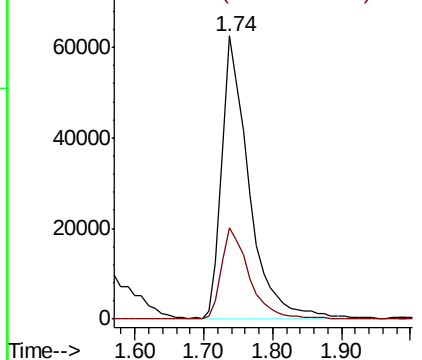
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.66 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059930.D

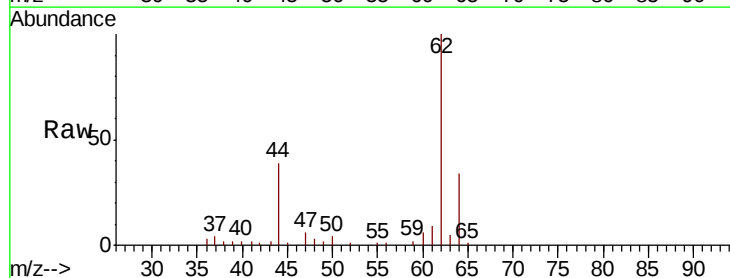
Acq: 31 Aug 2018 12:34

Tgt Ion: 62 Resp: 142037

Ion Ratio Lower Upper

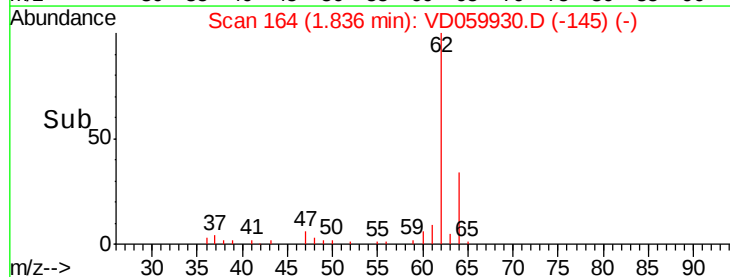
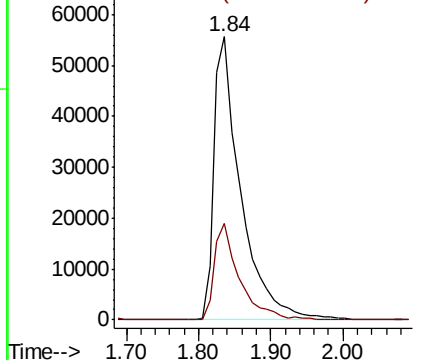
62 100

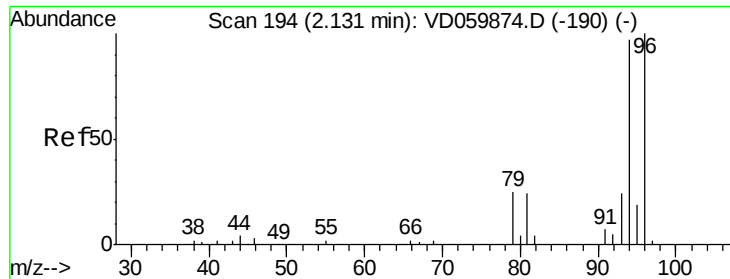
64 34.2 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 10.40 ug/l

RT: 2.11 min Scan# 192

Delta R.T. -0.02 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 94 Resp: 14444

Ion Ratio Lower Upper

94 100

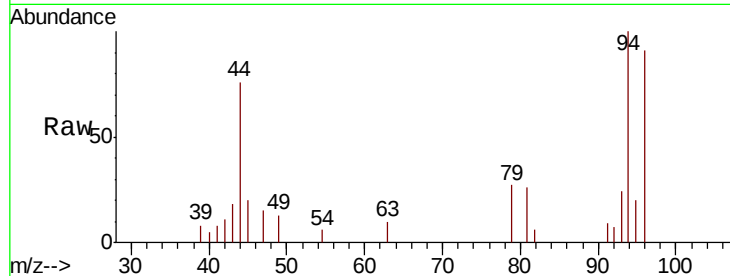
96 91.4 82.4 123.6

Manual Integrations

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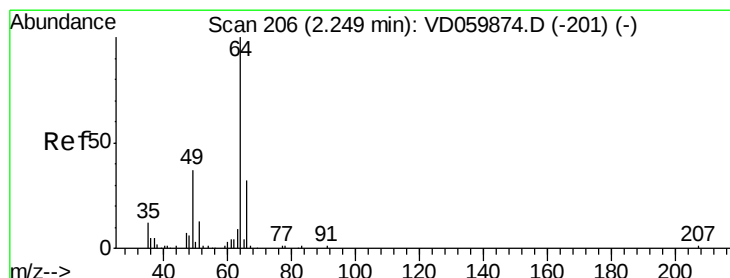
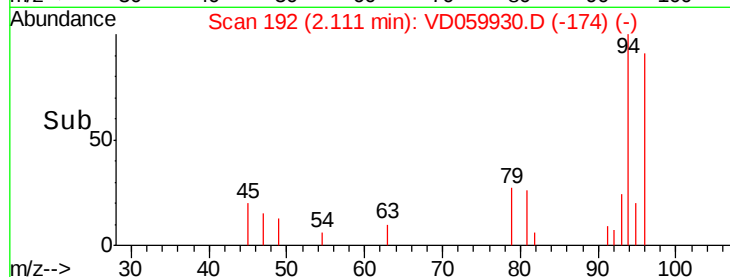
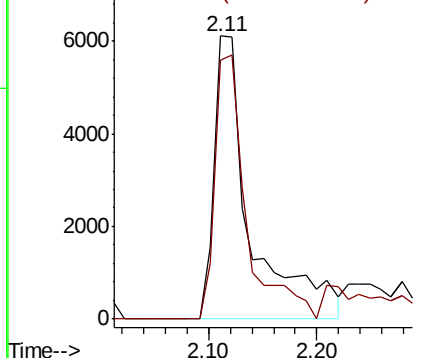
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 11.52 ug/l

RT: 2.22 min Scan# 203

Delta R.T. -0.03 min

Lab File: VD059930.D

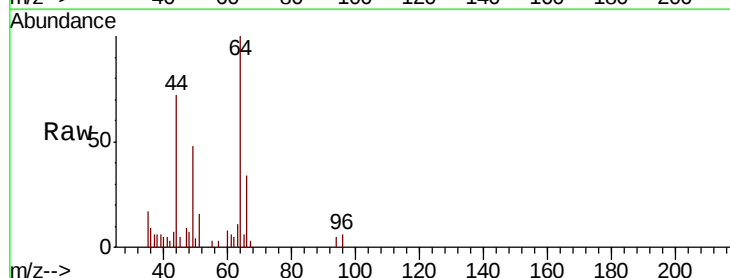
Acq: 31 Aug 2018 12:34

Tgt Ion: 64 Resp: 33519

Ion Ratio Lower Upper

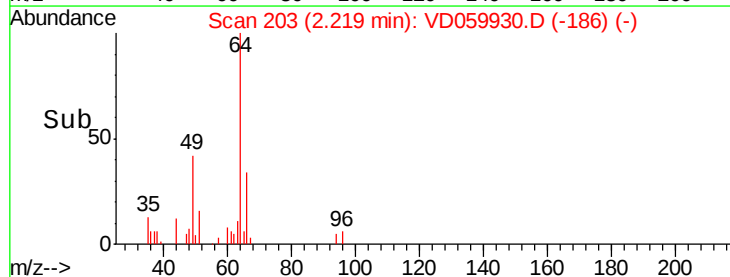
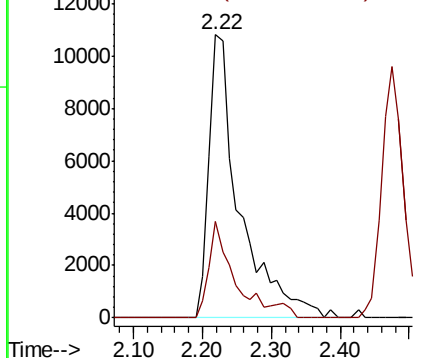
64 100

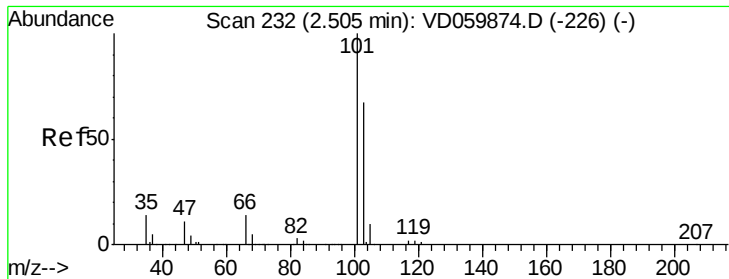
66 33.9 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 17.84 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.03 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion:101 Resp: 166012

Ion Ratio Lower Upper

101 100

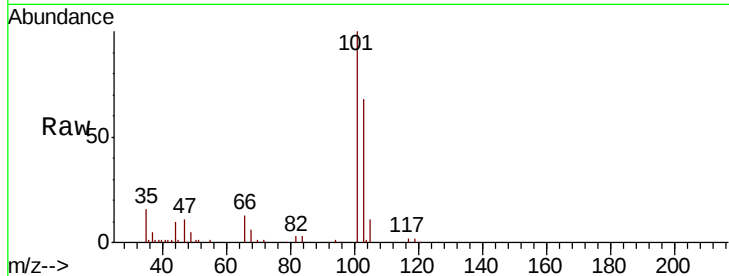
103 68.2 53.7 80.5

Manual Integrations

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

80000

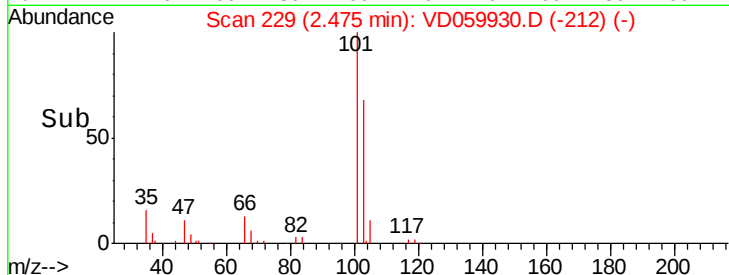
60000

40000

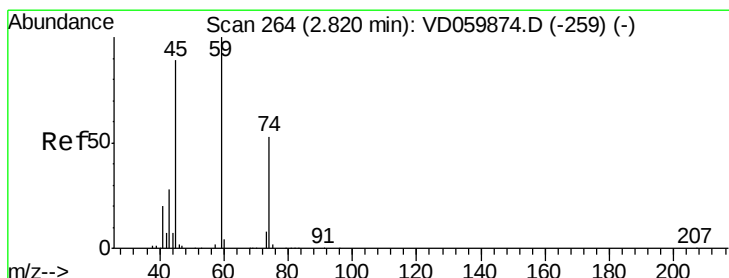
20000

0

Time-->



Time-->



#8

Diethyl Ether

Concen: 19.91 ug/l

RT: 2.80 min Scan# 262

Delta R.T. -0.02 min

Lab File: VD059930.D

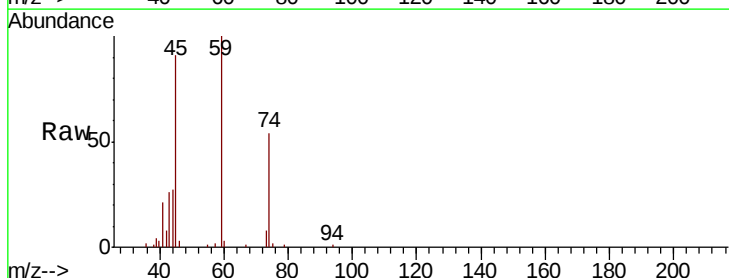
Acq: 31 Aug 2018 12:34

Tgt Ion: 74 Resp: 41563

Ion Ratio Lower Upper

74 100

45 168.3 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

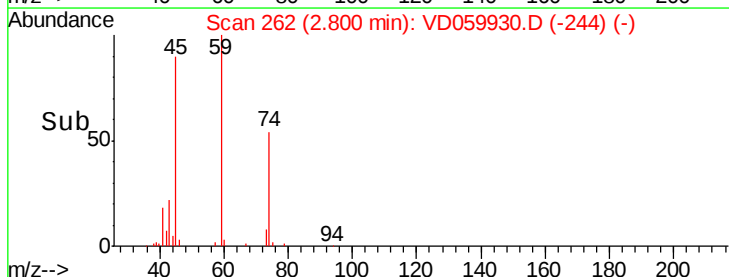
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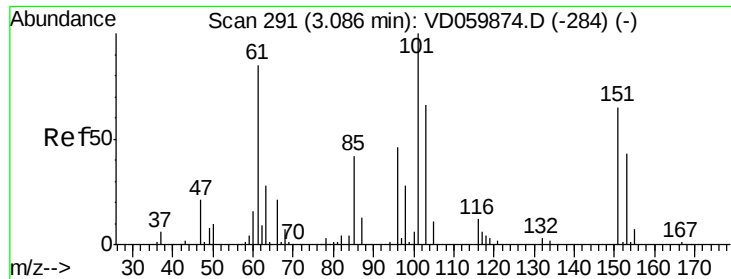
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.23 ug/l

RT: 3.06 min Scan# 288

Delta R.T. -0.03 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

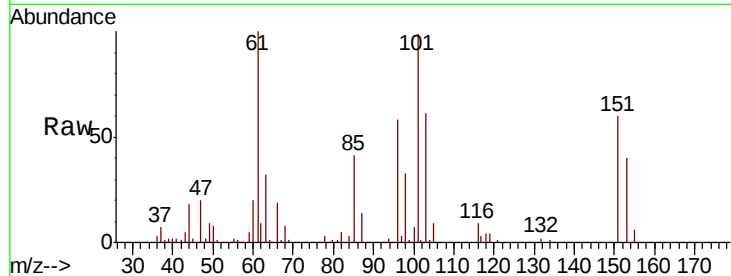
ClientSampleId :

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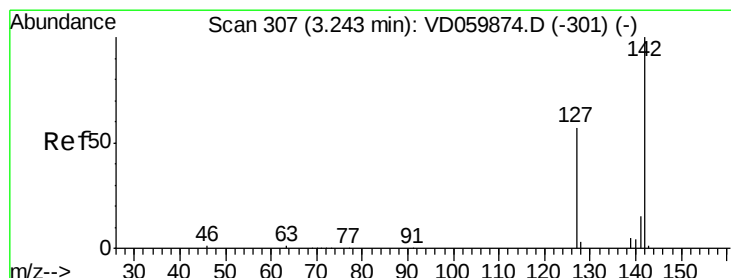
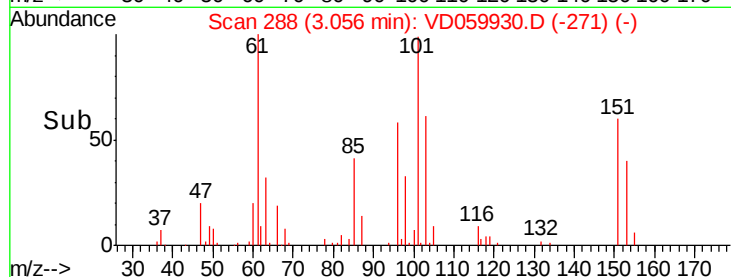
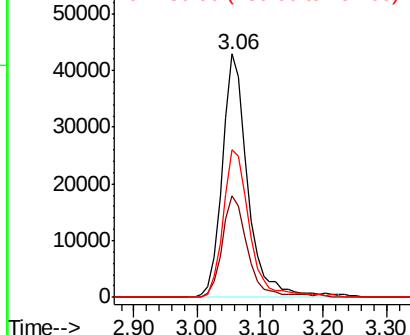
Tot Ion:	101	Resp:	120994
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.6	50.4
151	60.8	52.0	78.0

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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: 17.75 ug/l

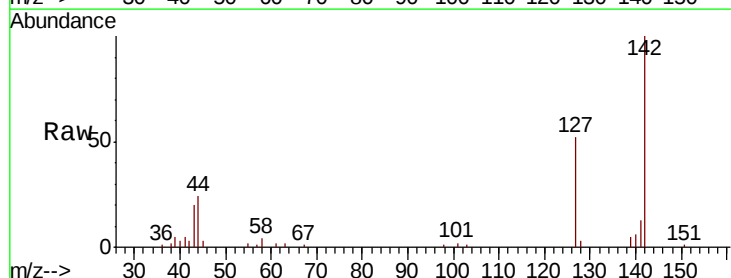
RT: 3.21 min Scan# 304

Delta R.T. -0.03 min

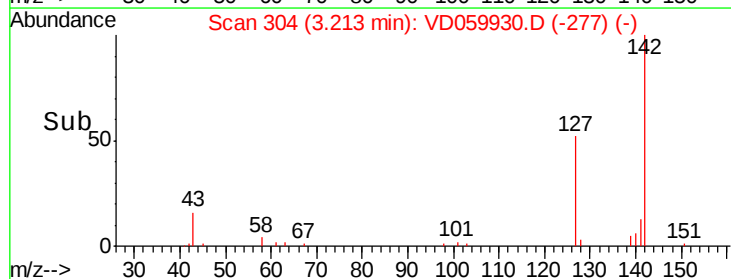
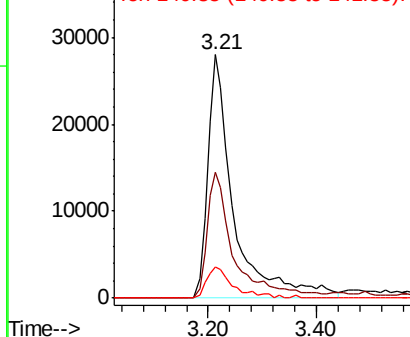
Lab File: VD059930.D

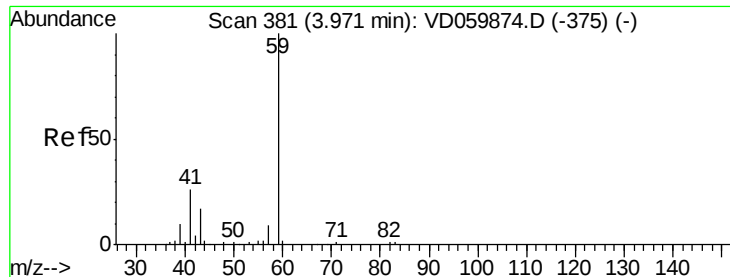
Acq: 31 Aug 2018 12:34

Tgt Ion:	142	Resp:	93220
Ion Ratio	Lower	Upper	
142	100		
127	51.8	45.8	68.6
141	12.8	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





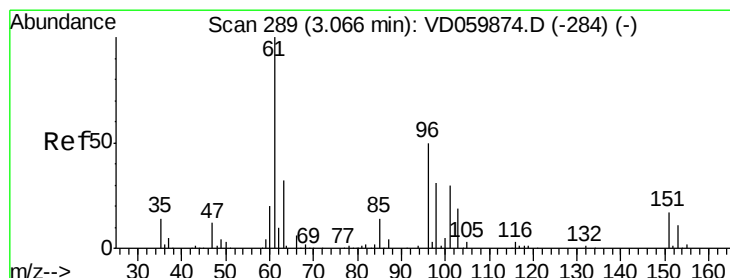
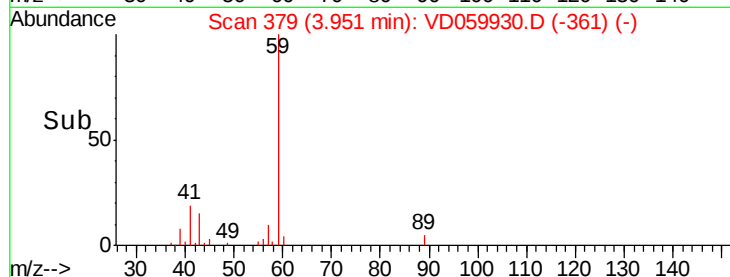
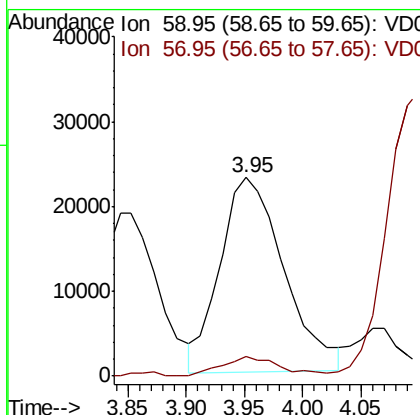
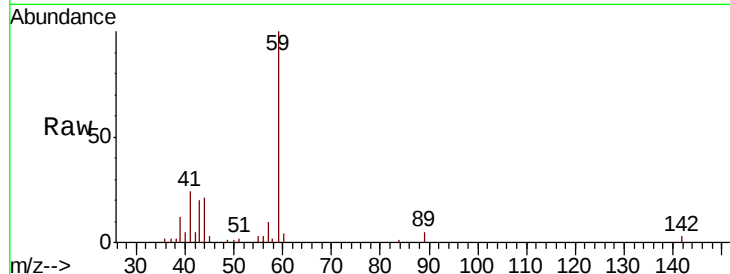
#11
Tert butyl alcohol
Concen: 107.48 ug/l
RT: 3.95 min Scan# 379
Delta R.T. -0.02 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	59	57	Ratio	Lower	Upper
87570	100	9.8		7.4	11.0

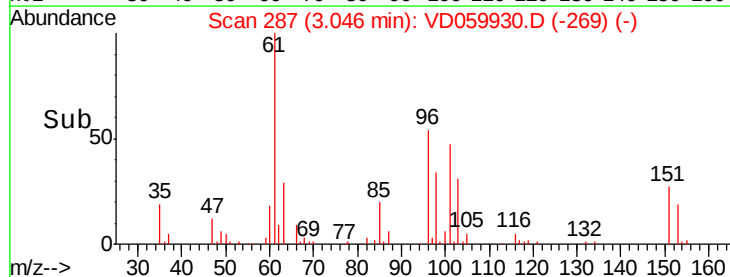
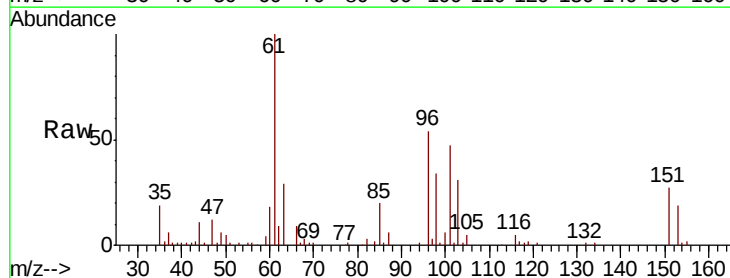
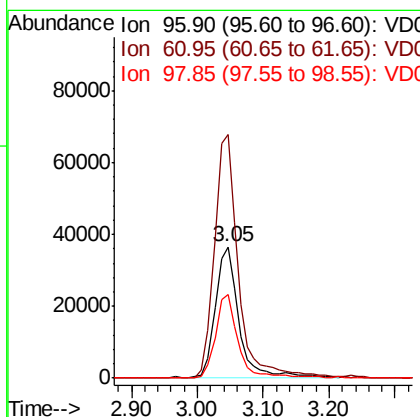
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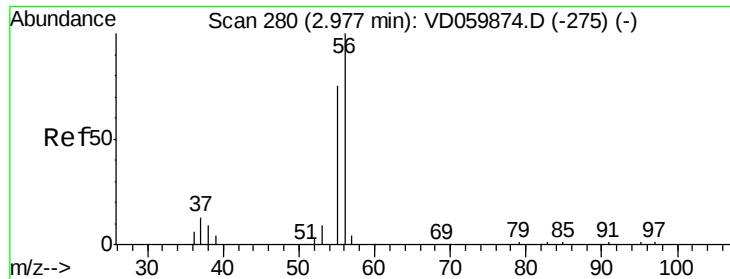
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#12
1,1-Dichloroethene
Concen: 20.57 ug/l
RT: 3.05 min Scan# 287
Delta R.T. -0.02 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	96	61	98	Ratio	Lower	Upper
91247	100	185.8	63.8		158.8	238.2
					48.7	73.1





#13

Acrolein

Concen: 69.75 ug/l

RT: 2.96 min Scan# 278

Delta R.T. -0.02 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 56 Resp: 24650

Ion Ratio Lower Upper

56 100

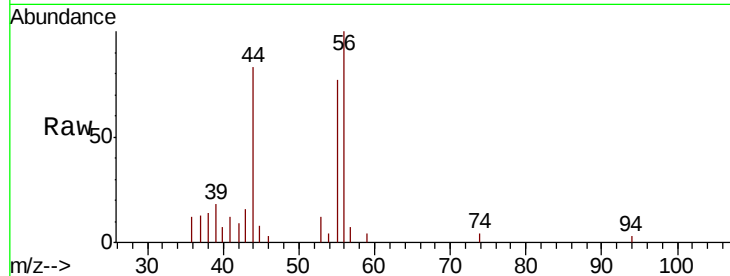
55 76.6 61.9 92.9

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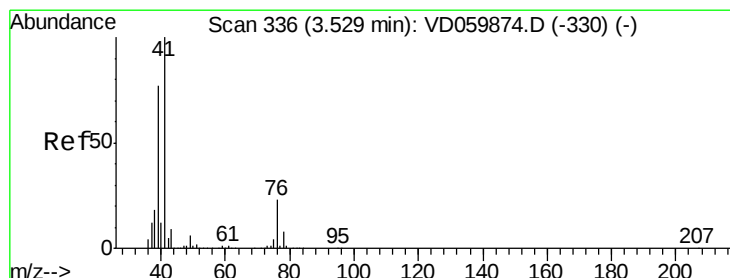
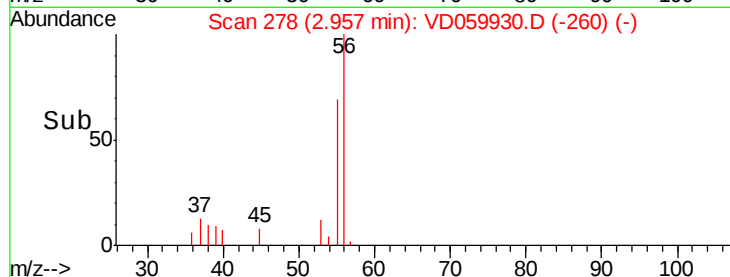
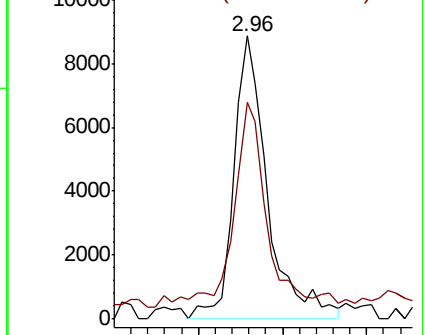
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.98 ug/l

RT: 3.51 min Scan# 334

Delta R.T. -0.02 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

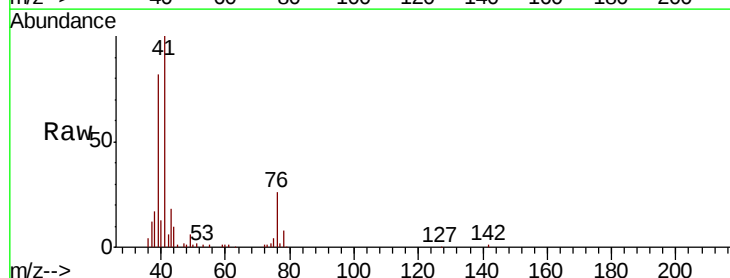
Tgt Ion: 41 Resp: 190522

Ion Ratio Lower Upper

41 100

39 82.3 61.8 92.6

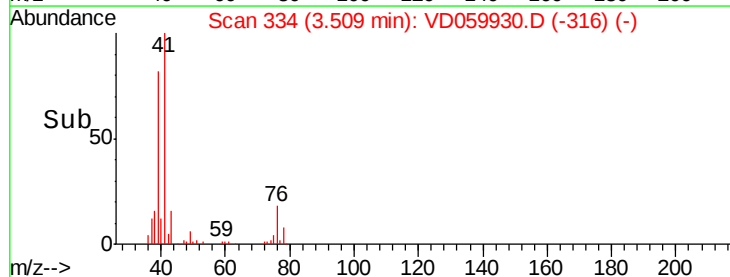
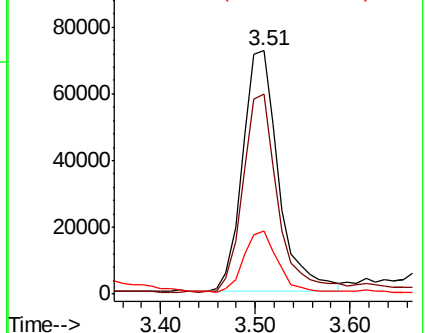
76 26.1 19.4 29.2

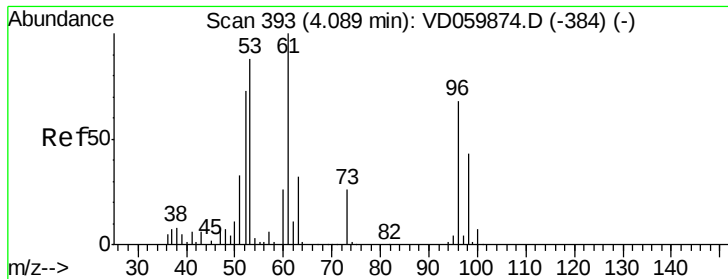


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 102.26 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

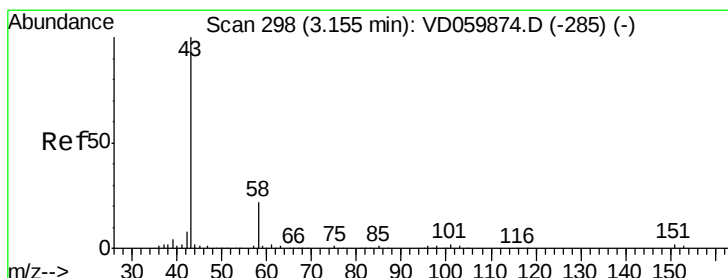
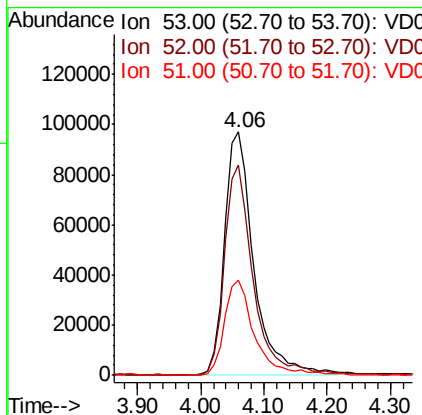
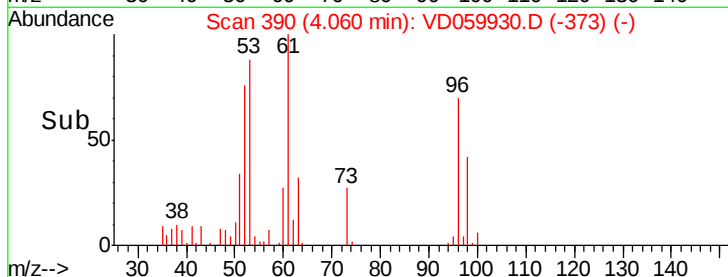
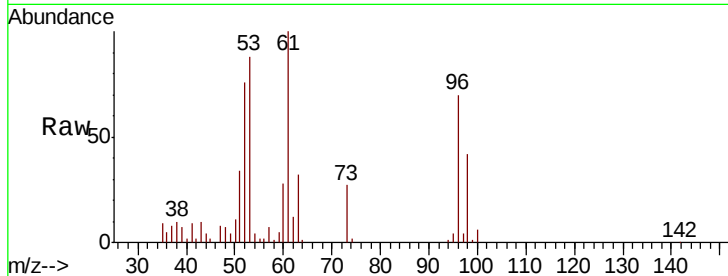
ClientSampleId :

VD0831SBS01

Tot Ion:	53	Resp:	312016
Ion Ratio	Lower	Upper	
53	100		
52	86.4	66.9	100.3
51	39.1	30.3	45.5

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#16

Acetone

Concen: 104.32 ug/l

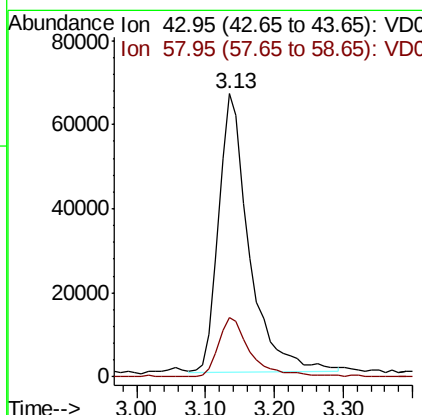
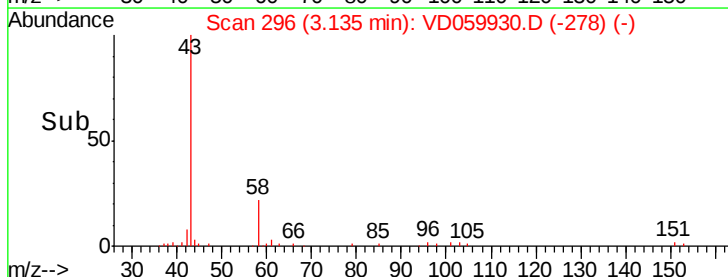
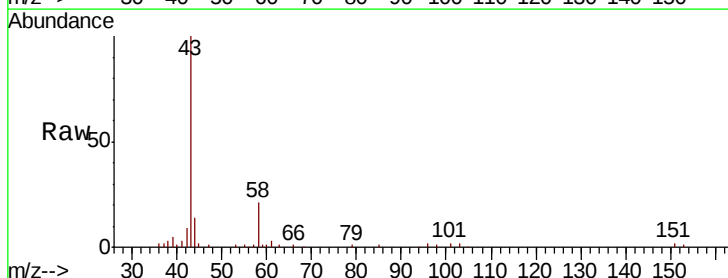
RT: 3.13 min Scan# 296

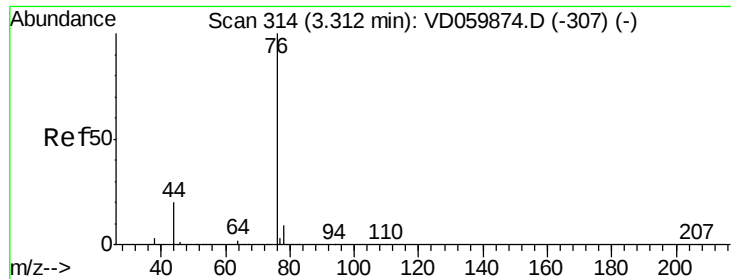
Delta R.T. -0.02 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Tgt Ion:	43	Resp:	202953
Ion Ratio	Lower	Upper	
43	100		
58	21.1	17.6	26.4





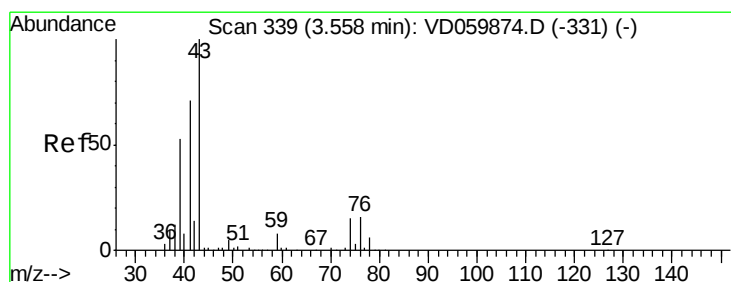
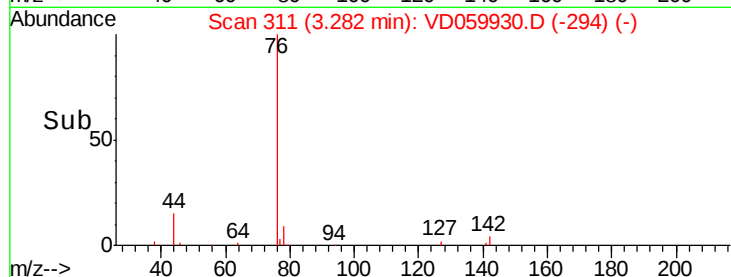
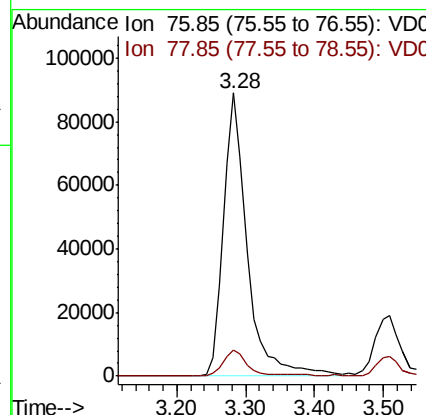
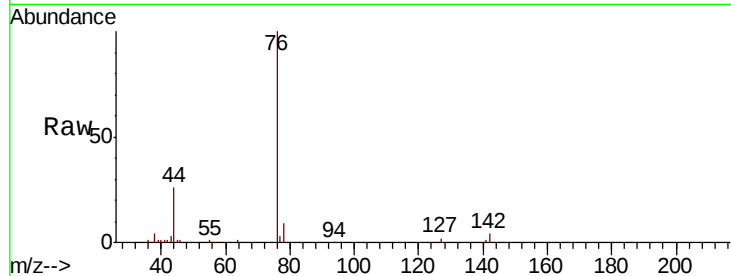
#17
Carbon Disulfide
Concen: 15.44 ug/l
RT: 3.28 min Scan# 311
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

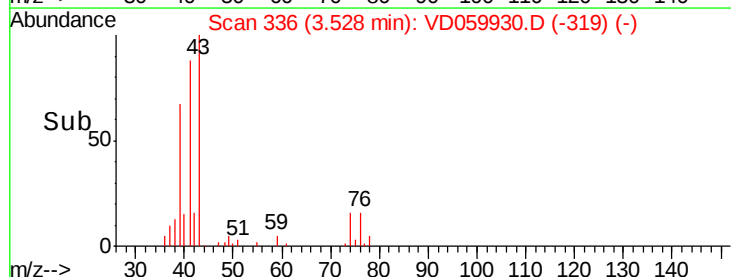
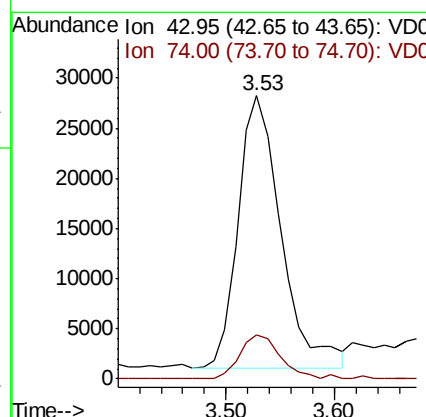
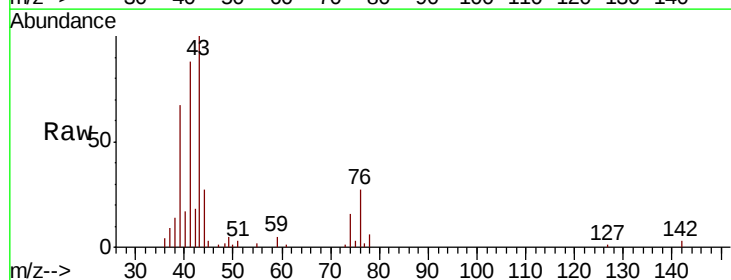
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#18
Methyl Acetate
Concen: 18.44 ug/l
RT: 3.53 min Scan# 336
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.6	11.2	16.8





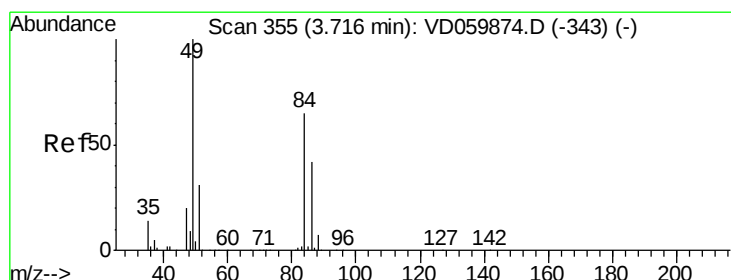
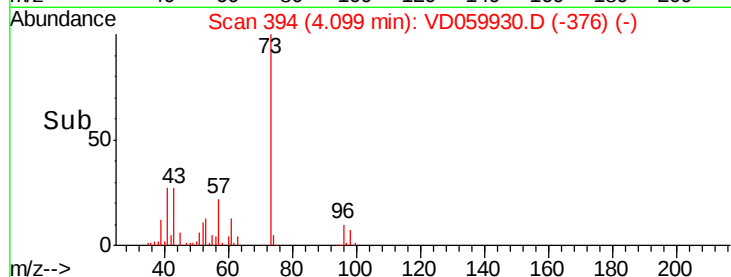
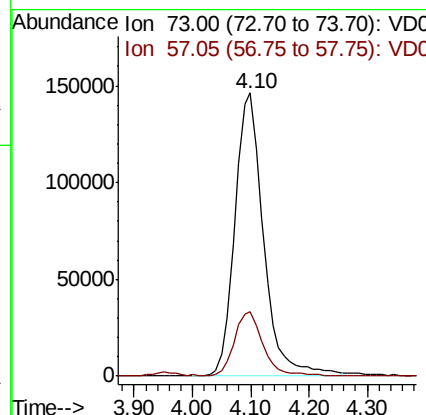
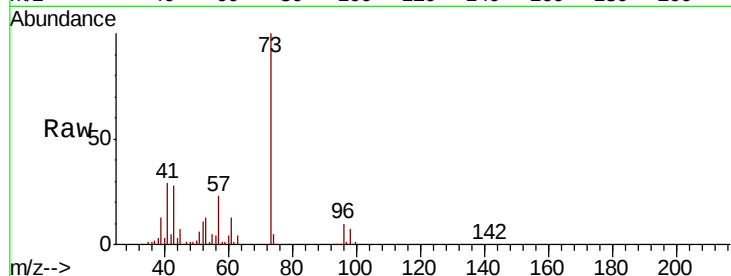
#19
Methyl tert-butyl Ether
Concen: 19.96 ug/l
RT: 4.10 min Scan# 394
Delta R.T. -0.02 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.9	26.9

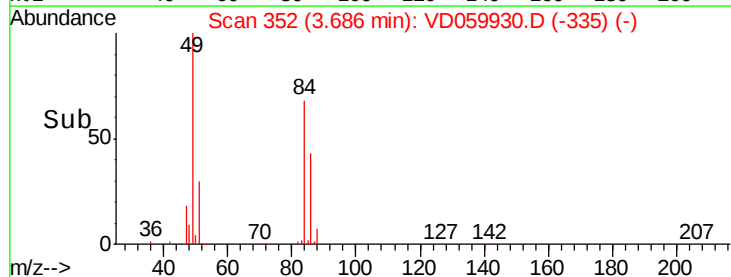
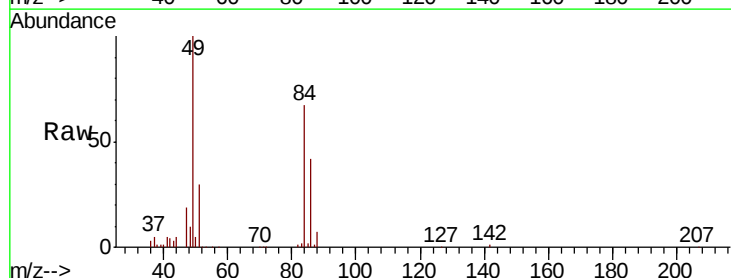
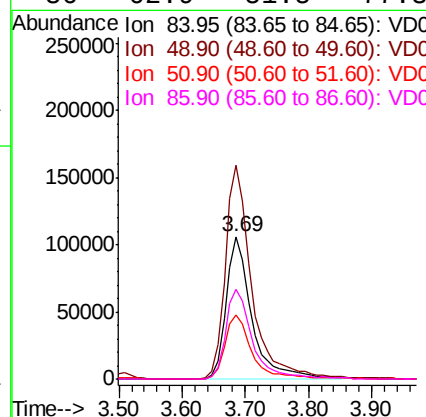
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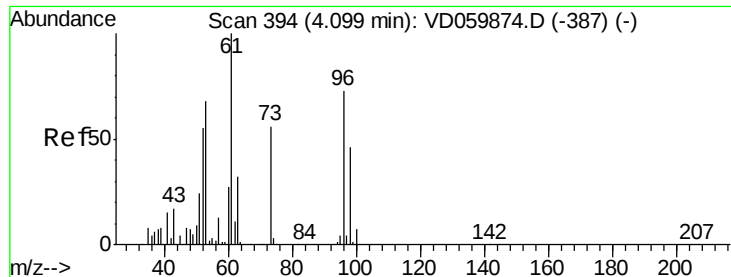
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#20
Methylene Chloride
Concen: 21.00 ug/l
RT: 3.69 min Scan# 352
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.1	122.6	183.8
51	45.1	38.4	57.6
86	62.9	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 18.35 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.03 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

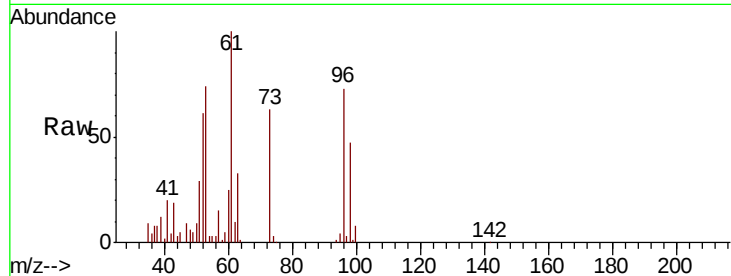
ClientSampleId :

VD0831SBS01

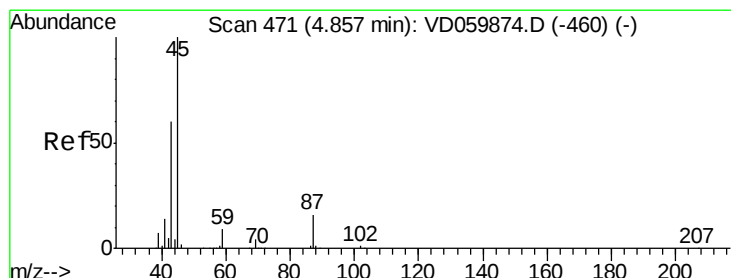
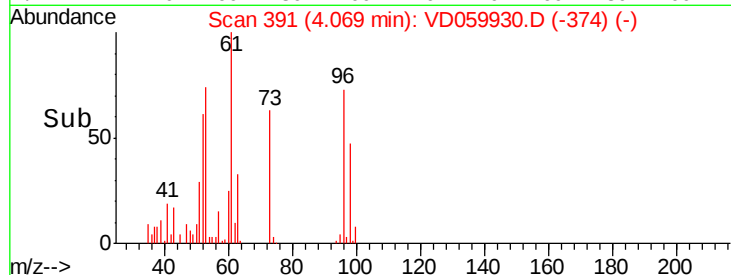
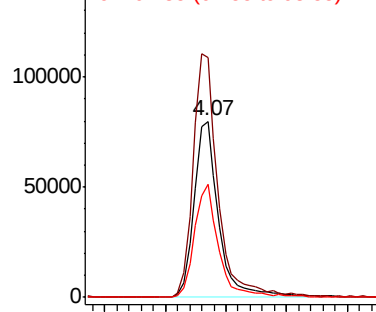
Tot Ion:	96	Resp:	224379
Ion	Ratio	Lower	Upper
96	100		
61	136.4	110.2	165.4
98	64.0	50.9	76.3

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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: 20.25 ug/l

RT: 4.83 min Scan# 468

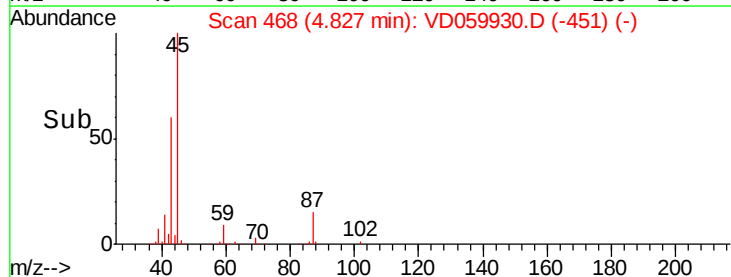
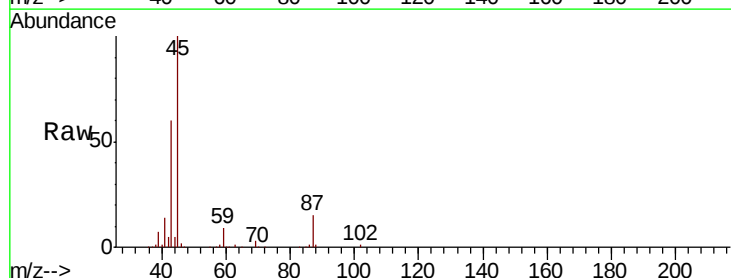
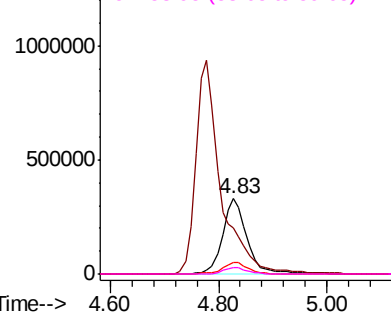
Delta R.T. -0.03 min

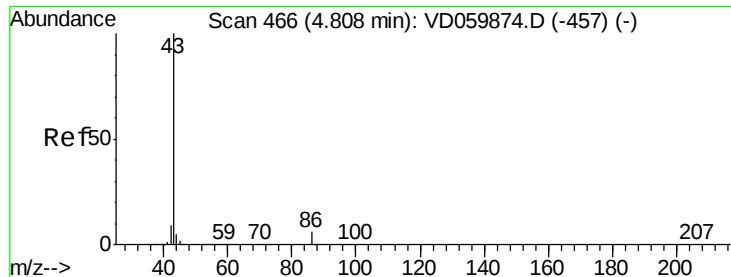
Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Tgt Ion:	45	Resp:	1036706
Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.6	72.8
87	15.1	13.3	19.9
59	8.6	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: 104.20 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.03 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Tot Ion: 43 Resp: 2981914

Ion Ratio Lower Upper

43 100

86 6.5 5.0 7.6

Instrument :

MSVOA_D

ClientSampleId :

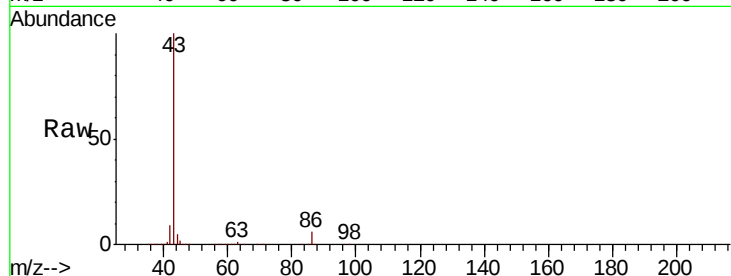
VD0831SBS01

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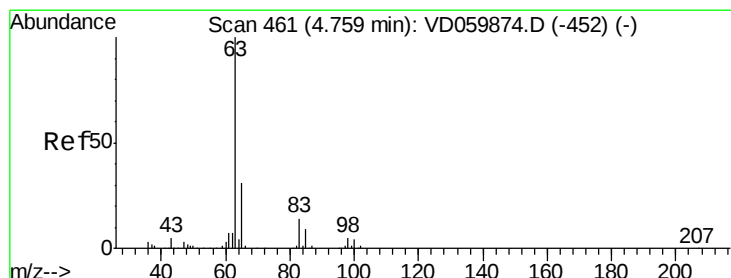
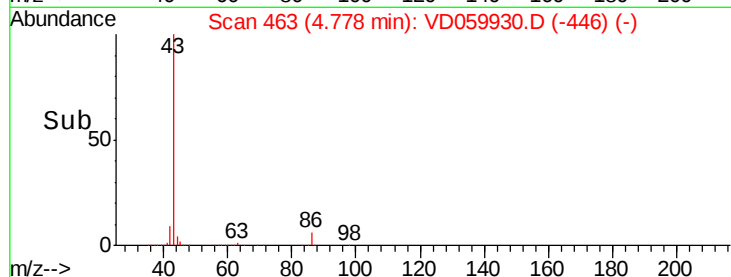
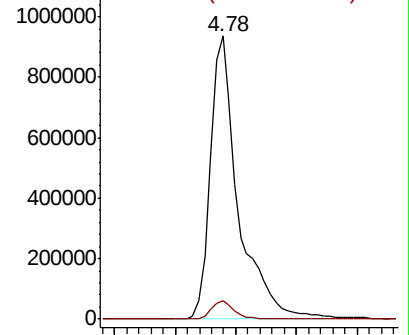
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.38 ug/l

RT: 4.73 min Scan# 458

Delta R.T. -0.03 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

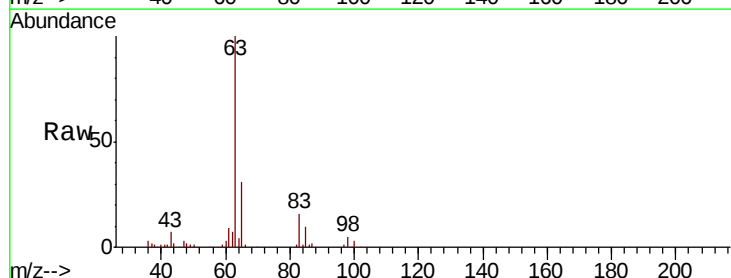
Tgt Ion: 63 Resp: 428548

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

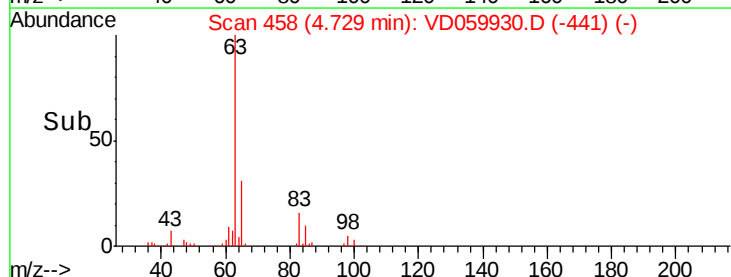
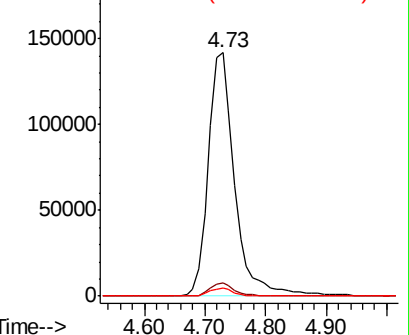
100 3.3 1.8 5.3

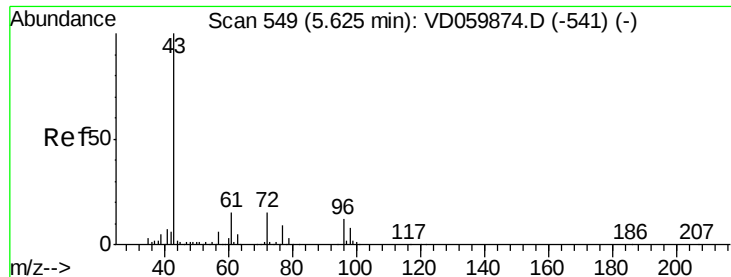


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 92.01 ug/l

RT: 5.59 min Scan# 546

Delta R.T. -0.03 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 43 Resp: 530147

Ion Ratio Lower Upper

43 100

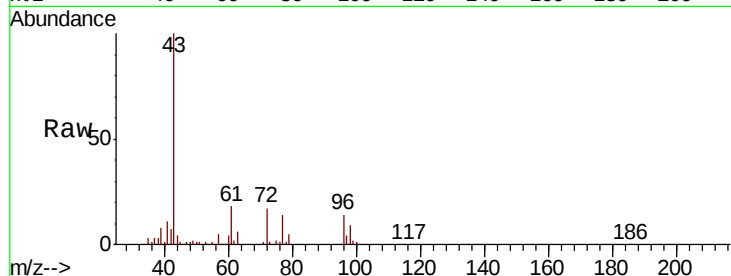
72 16.7 12.3 18.5

Manual Integrations

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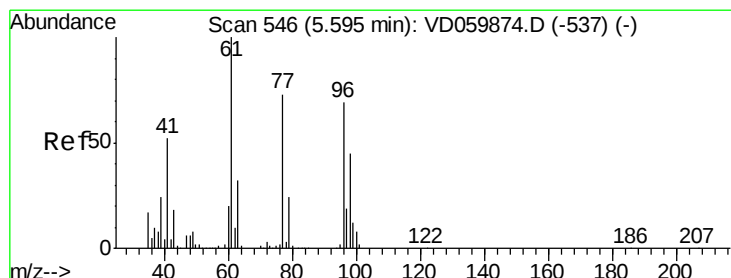
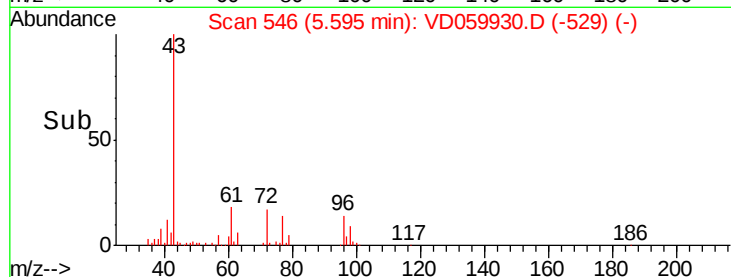
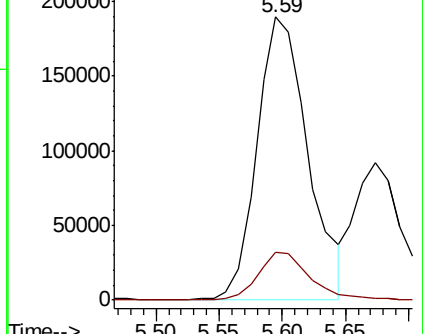
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.22 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.04 min

Lab File: VD059930.D

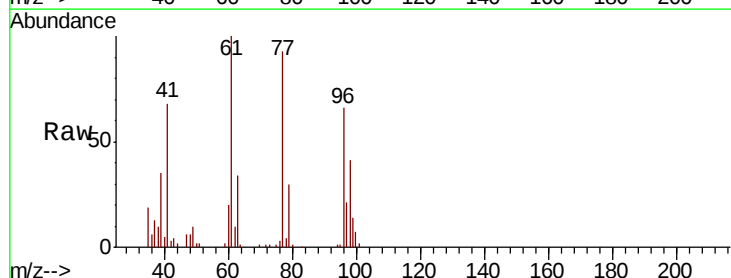
Acq: 31 Aug 2018 12:34

Tgt Ion: 77 Resp: 373820

Ion Ratio Lower Upper

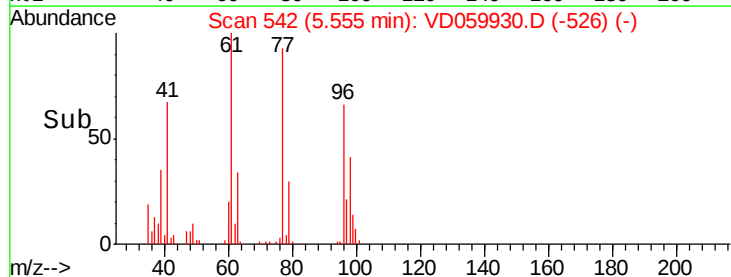
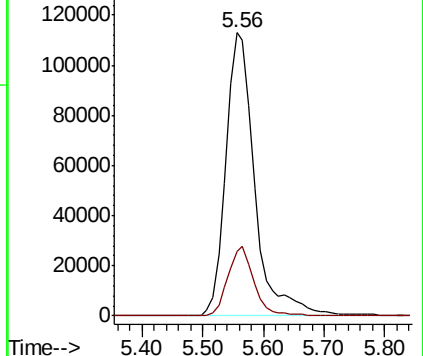
77 100

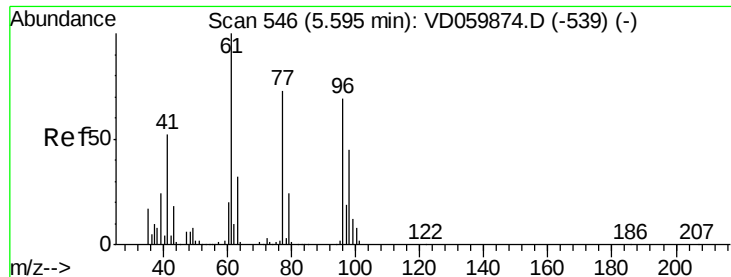
97 23.0 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

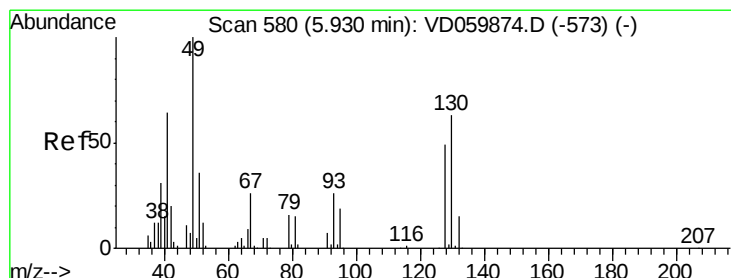
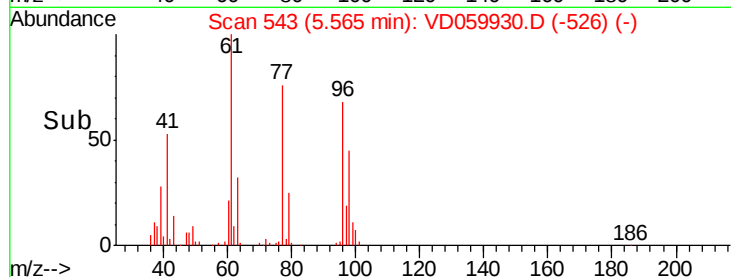
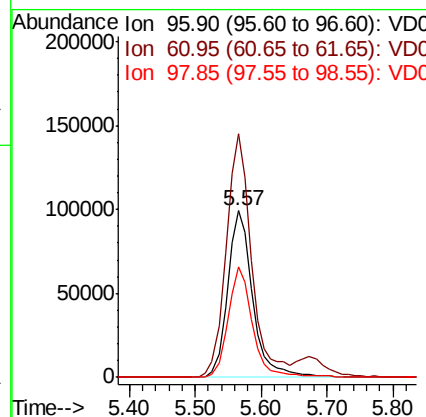
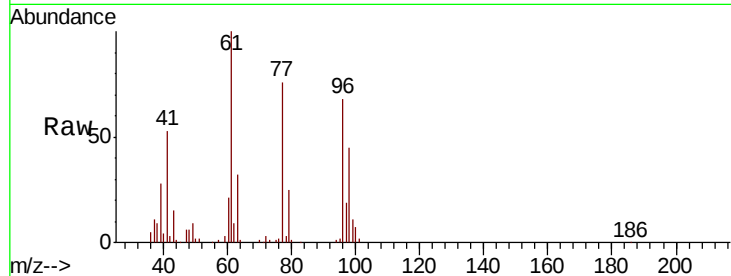
cis-1,2-Dichloroethene
Concen: 19.76 ug/l
RT: 5.57 min Scan# 543
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	264443		
61	146.5	0.0	290.2	
98	66.6	0.0	130.4	

Manual Integrations
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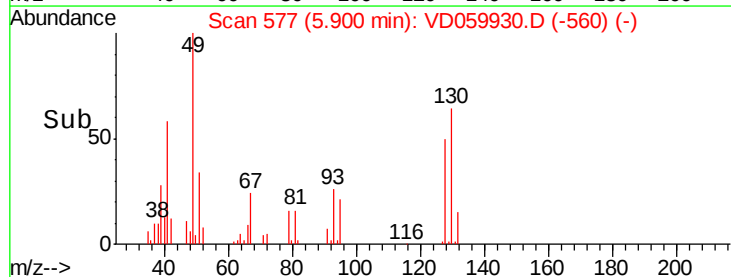
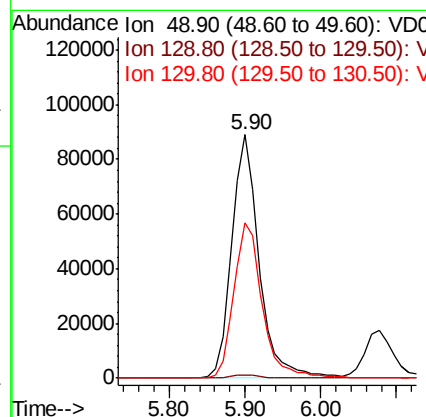
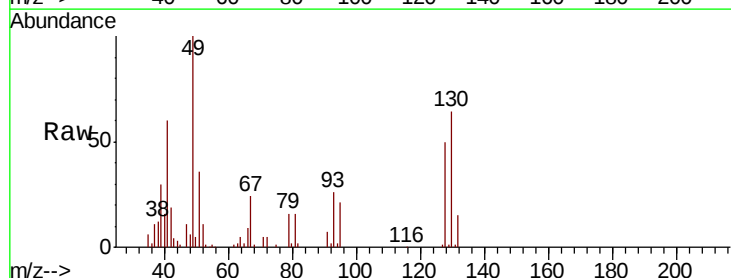
apatel
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#28

Bromochloromethane
Concen: 20.93 ug/l
RT: 5.90 min Scan# 577
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	221830		
129	1.4	0.0	3.2	
130	63.8	50.6	75.8	





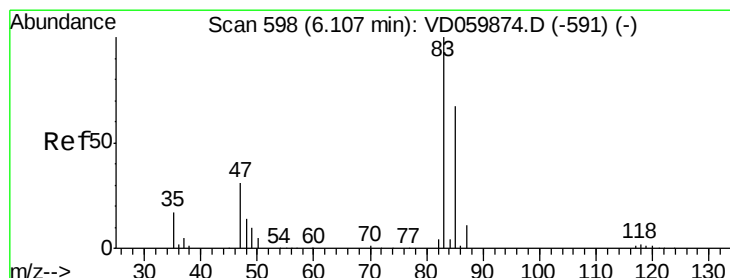
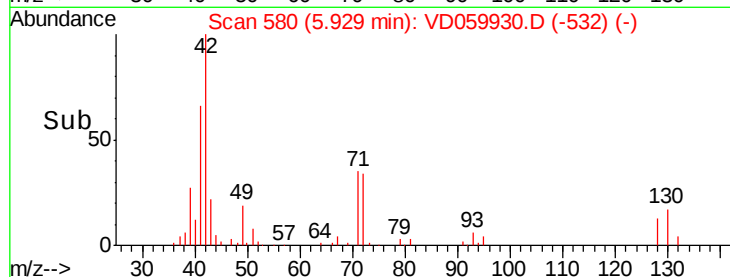
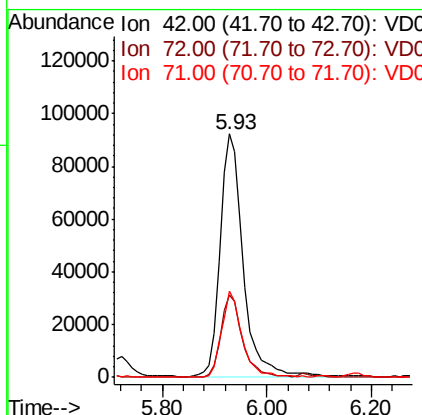
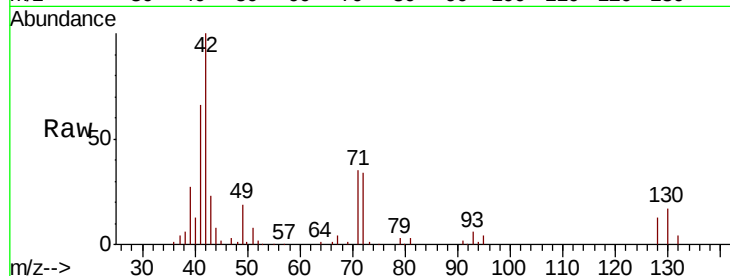
#29
Tetrahydrofuran
Concen: 103.85 ug/l
RT: 5.93 min Scan# 580
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	31.1	25.7	38.5
71	31.3	25.3	37.9

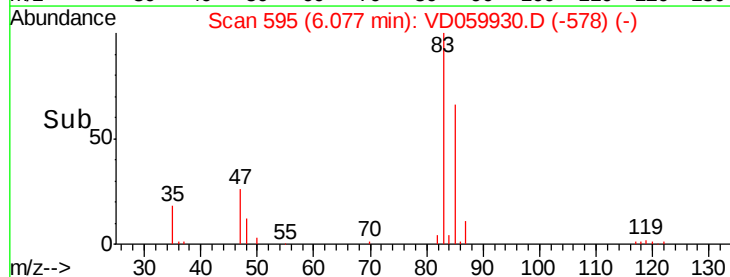
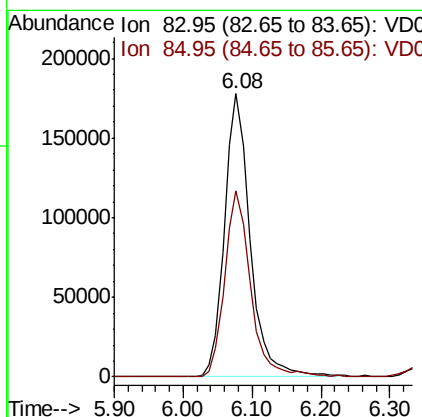
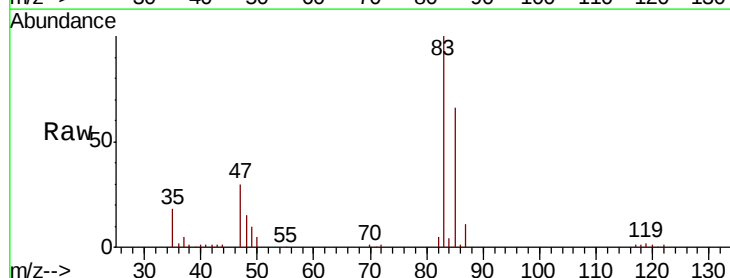
Manual Integrations
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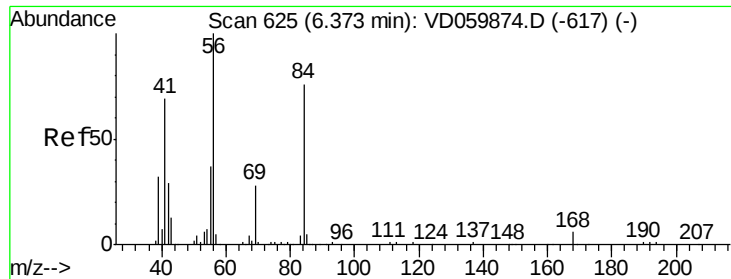
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#30
Chloroform
Concen: 20.40 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.5	80.3





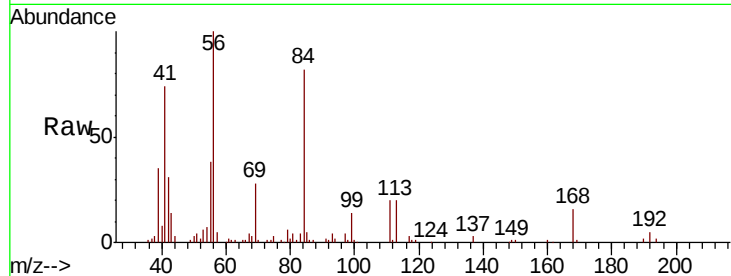
#31
Cvclohexane
Concen: 16.89 ug/l
RT: 6.34 min Scan# 622
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.4	33.6
84	81.8	62.1	93.1

Manual Integrations
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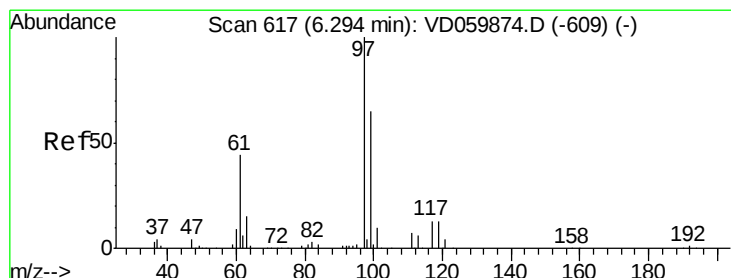
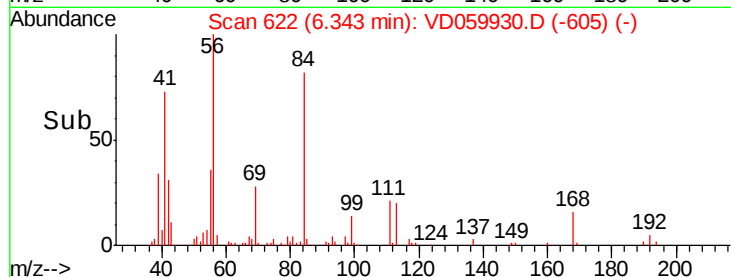
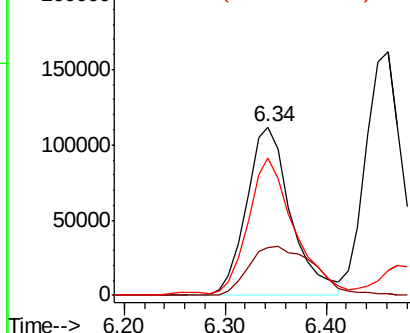


Abundance

Ion 55.95 (55.65 to 56.65): VDC

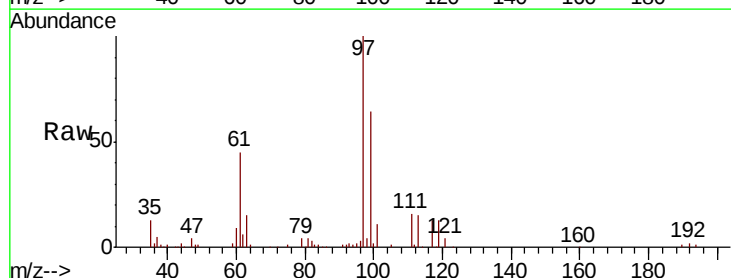
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32
1,1,1-Trichloroethane
Concen: 18.98 ug/l
RT: 6.26 min Scan# 614
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.7	77.5
61	44.8	35.4	53.2

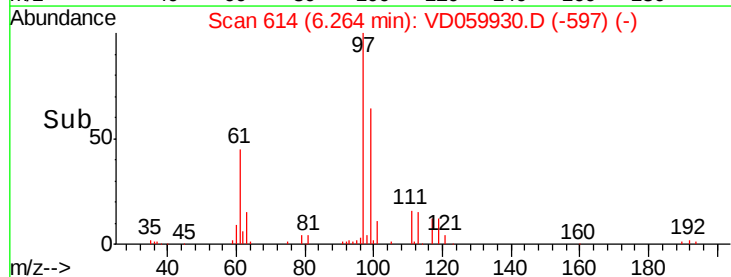
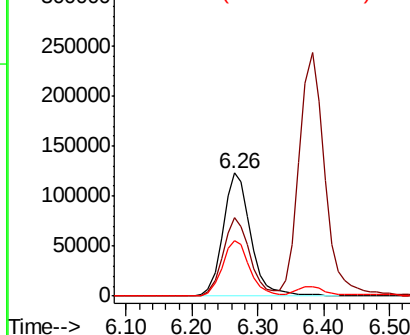


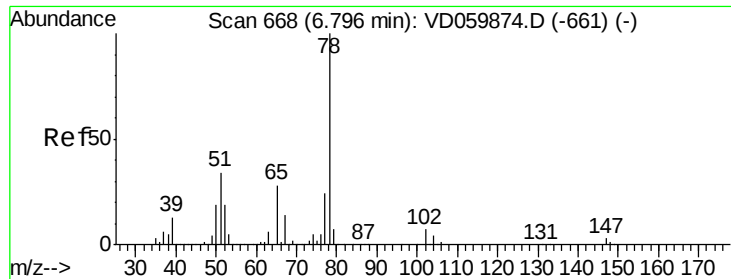
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





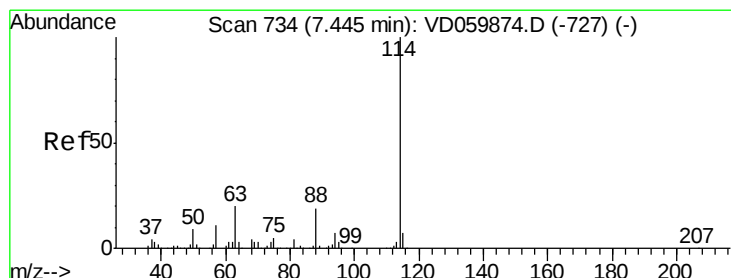
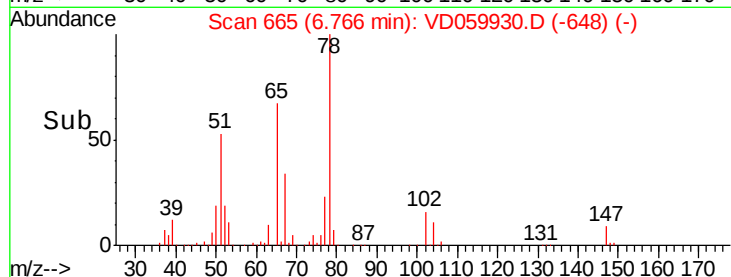
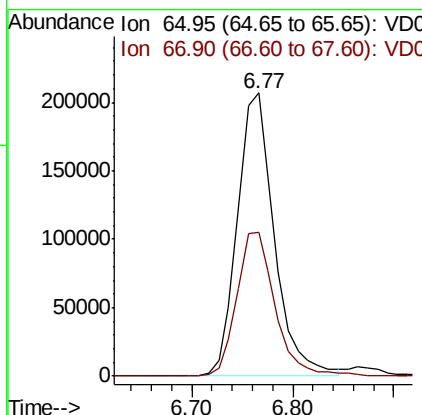
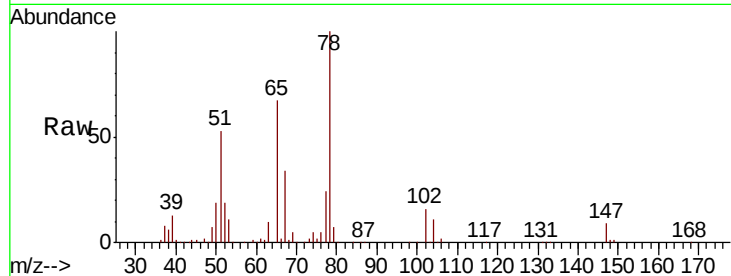
#33
 1,2-Dichloroethane-d4
 Concen: 18.98 ug/l
 RT: 6.77 min Scan# 665
 Delta R.T. -0.03 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	528115		
67	51.0	0.0	103.8	

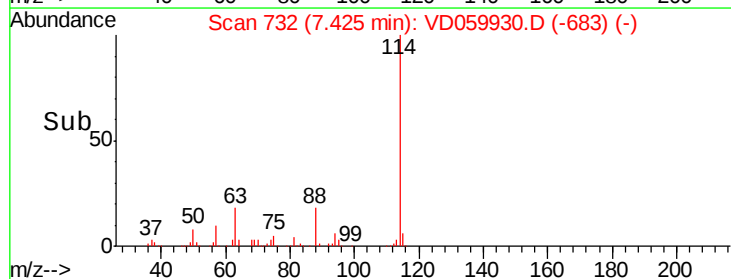
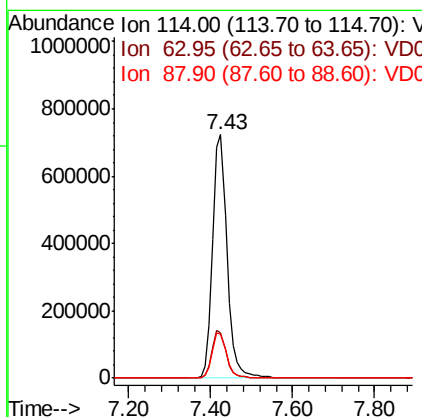
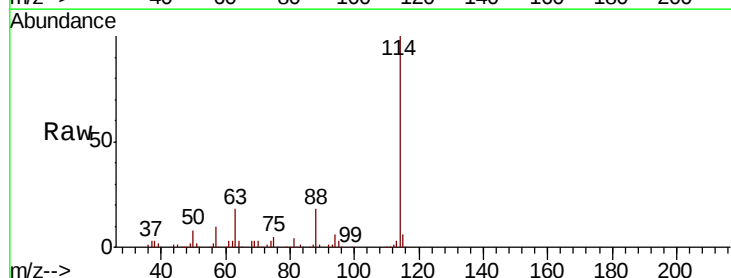
Manual Integrations
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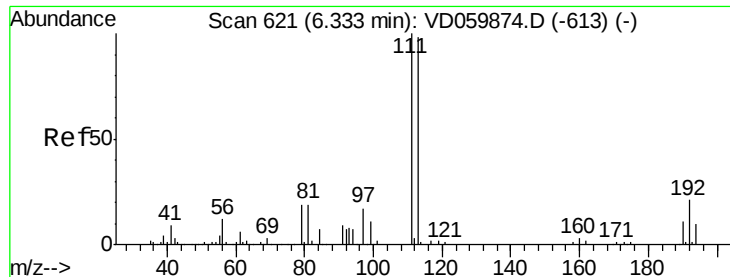
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. -0.02 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1759176		
63	18.4	0.0	39.4	
88	17.8	0.0	37.6	





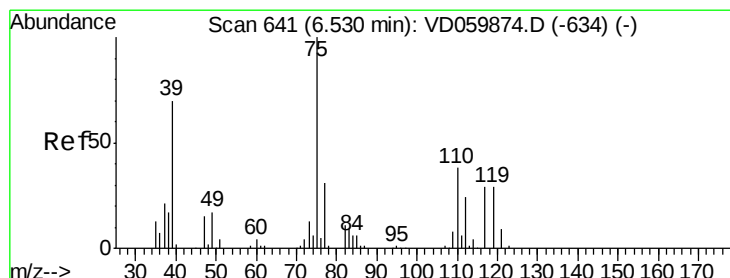
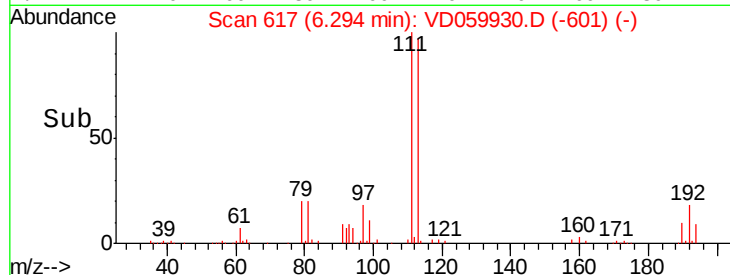
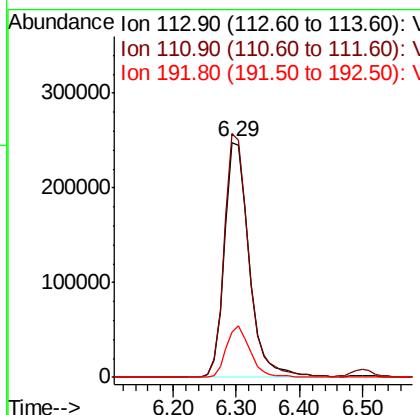
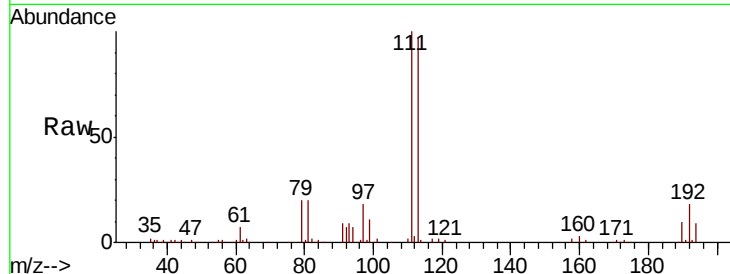
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.29 min Scan# 617
 Delta R.T. -0.04 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	81.4	122.2	
192	19.0	17.0	25.6	

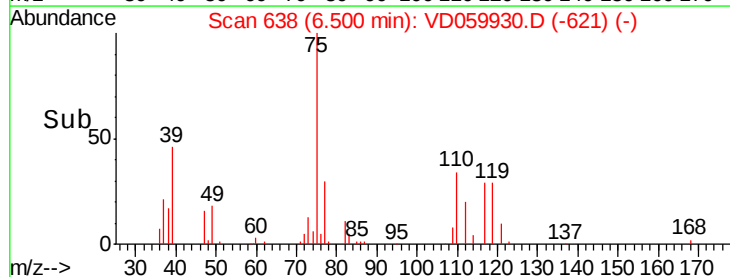
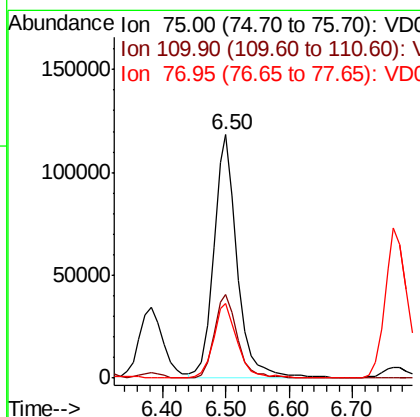
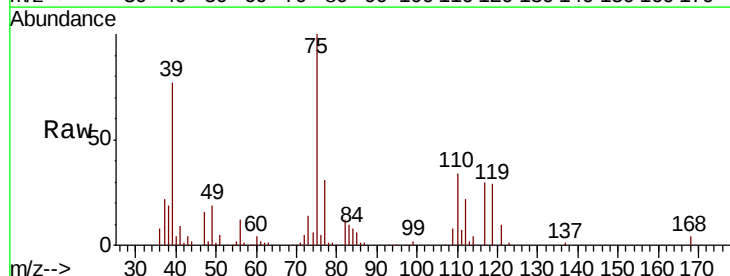
Manual Integrations
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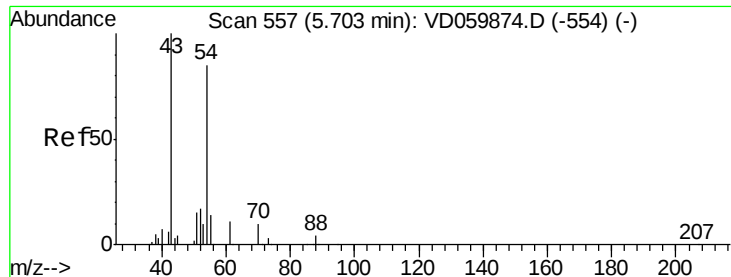
apatel
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#36
 1,1-Dichloropropene
 Concen: 18.97 ug/l
 RT: 6.50 min Scan# 638
 Delta R.T. -0.03 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.4	18.6	56.0	
77	30.7	25.1	37.7	





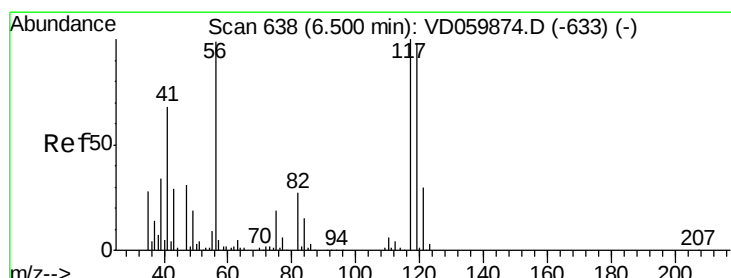
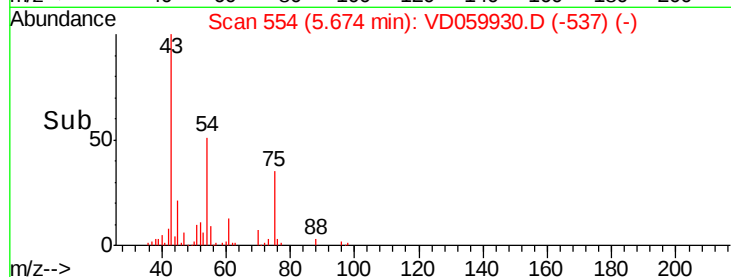
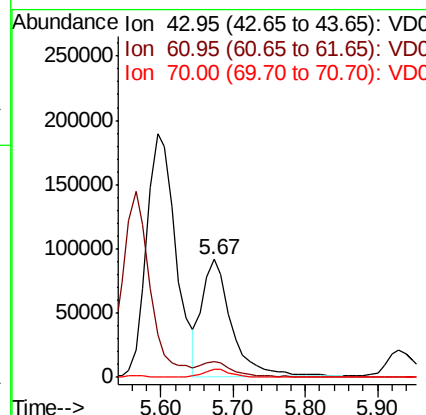
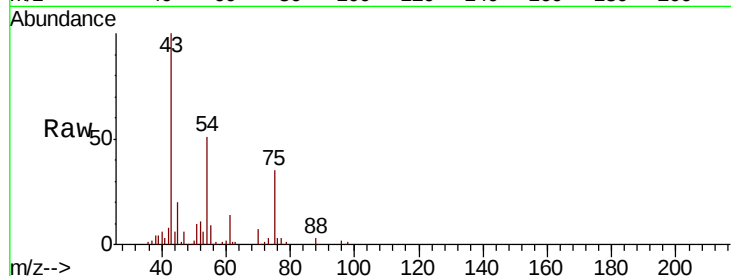
#37
Ethyl Acetate
Concen: 20.59 ug/l
RT: 5.67 min Scan# 554
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.6
70	7.4	5.7	8.5

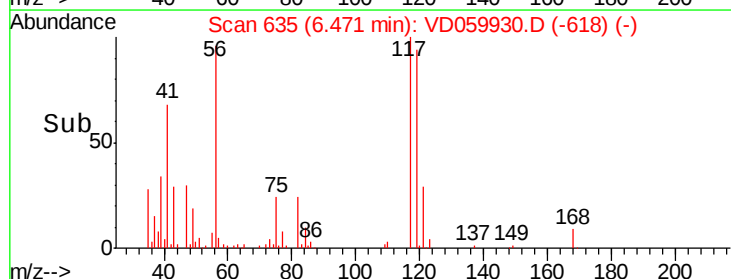
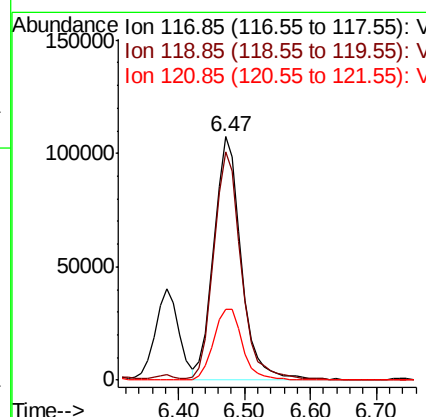
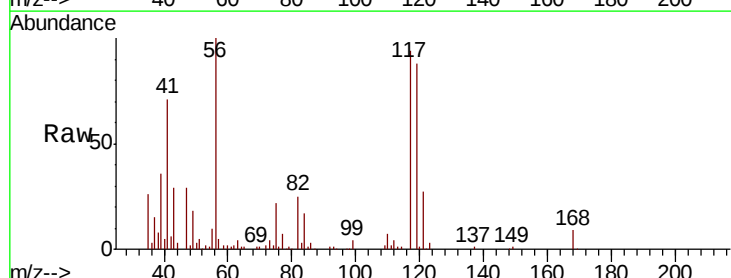
Manual Integrations
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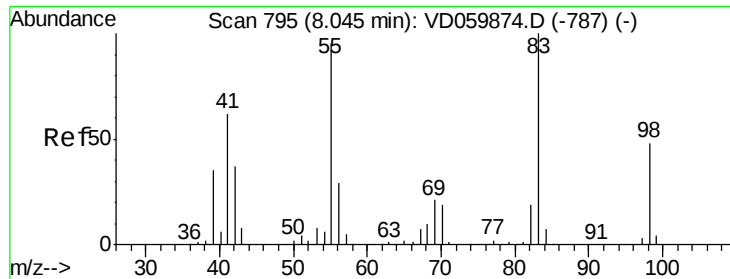
apatel
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#38
Carbon Tetrachloride
Concen: 18.87 ug/l
RT: 6.47 min Scan# 635
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.2	115.8
121	29.0	24.0	36.0





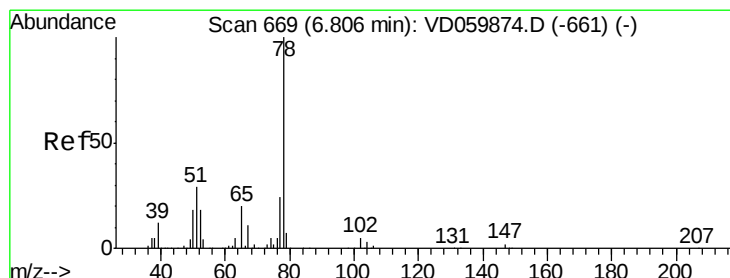
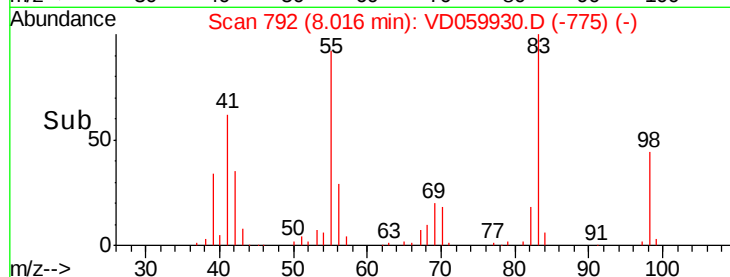
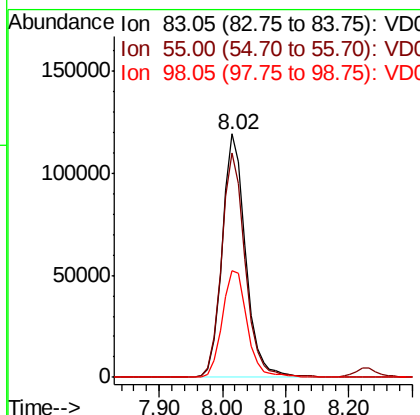
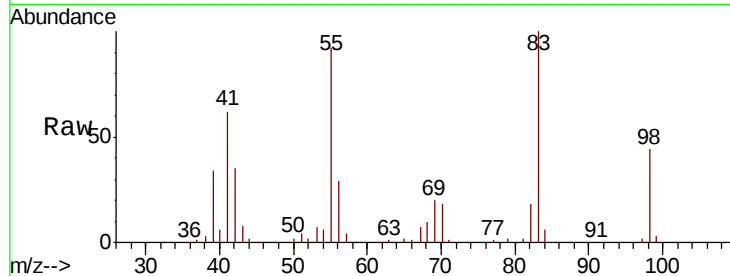
#39
Methvlcvclohexane
Concen: 17.81 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.4	75.8	113.6
98	43.8	38.3	57.5

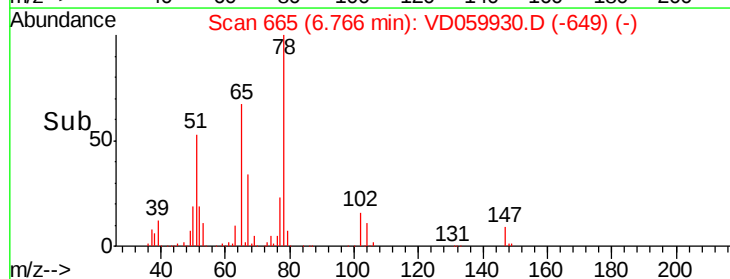
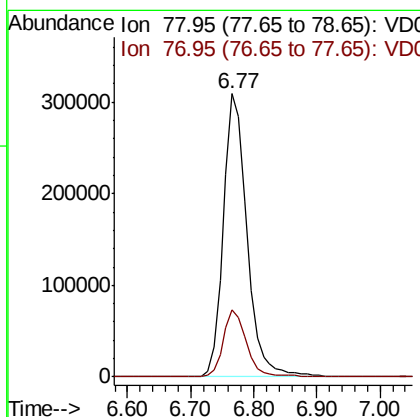
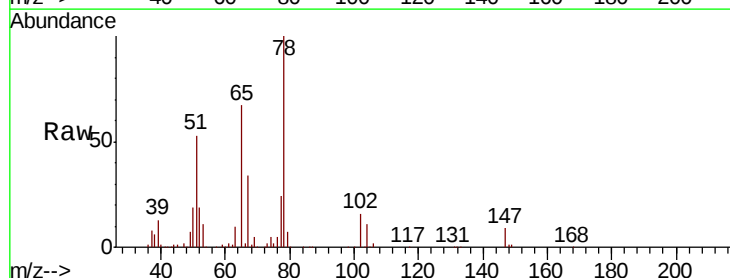
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#40
Benzene
Concen: 19.42 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.04 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





#41

Methacrylonitrile

Concen: 21.13 ug/l m

RT: 5.91 min Scan# 578

Delta R.T. -0.03 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 41 Resp: 132102

Ion Ratio Lower Upper

41 100

39 45.7 39.4 59.2

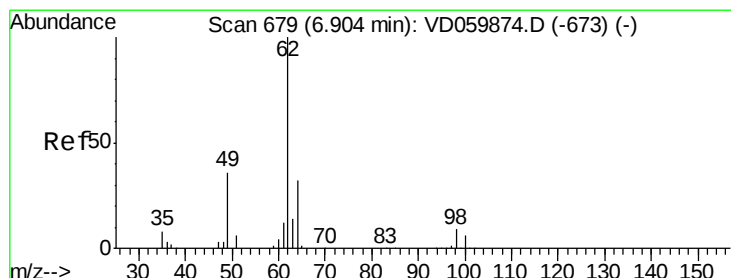
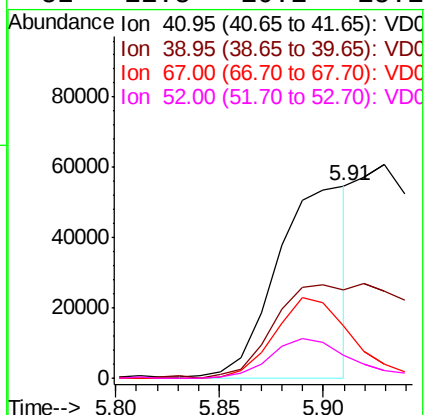
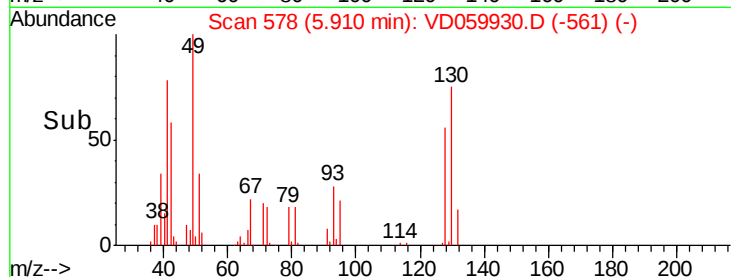
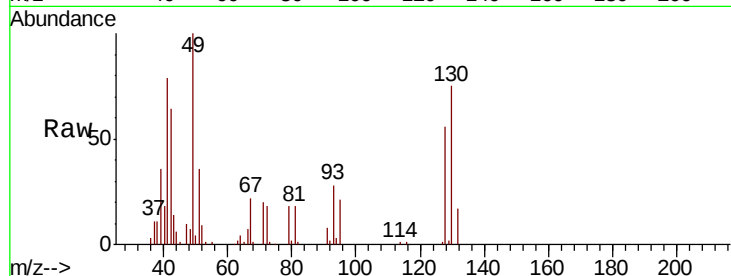
67 27.5 22.2 33.2

52 11.8 10.1 15.1

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.95 ug/l

RT: 6.87 min Scan# 676

Delta R.T. -0.03 min

Lab File: VD059930.D

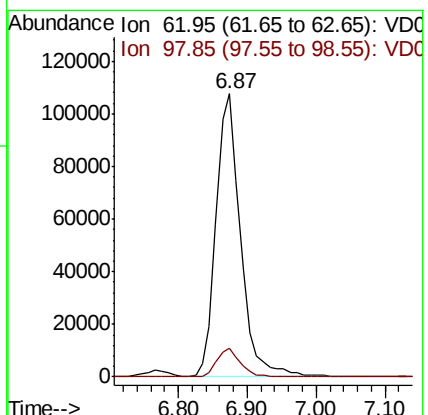
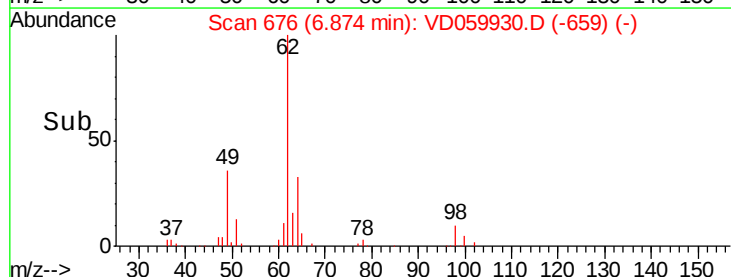
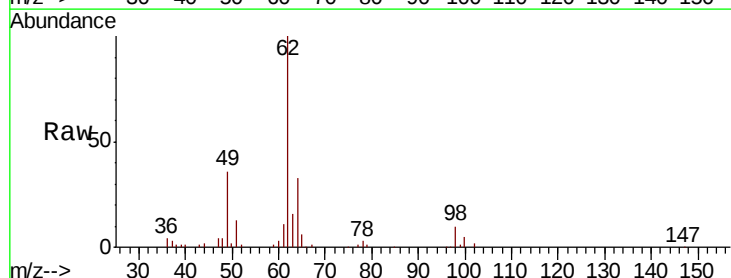
Acq: 31 Aug 2018 12:34

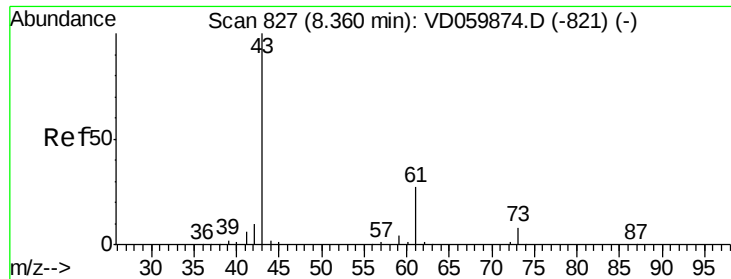
Tgt Ion: 62 Resp: 265612

Ion Ratio Lower Upper

62 100

98 10.1 0.0 18.4





#43

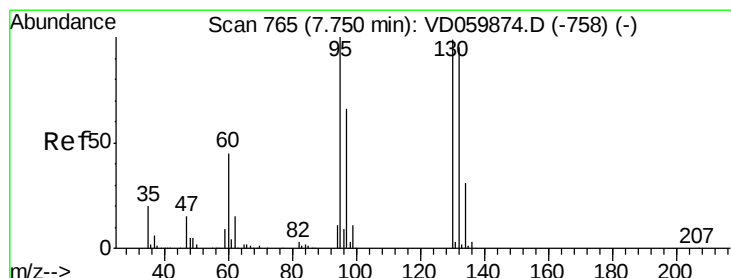
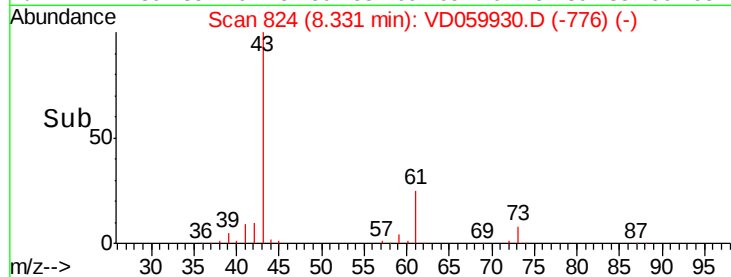
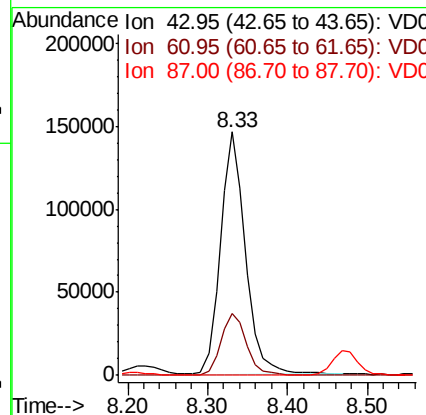
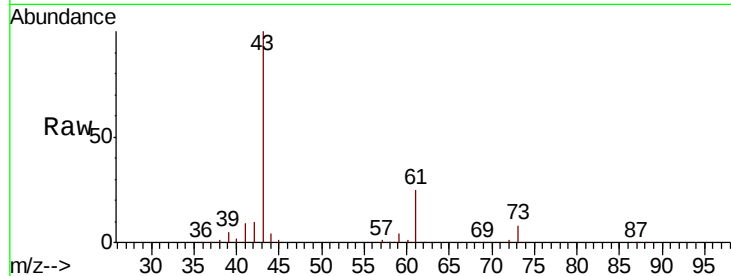
Isopropyl Acetate
 Concen: 19.87 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	21.4	32.2
87	0.4	0.2	0.4

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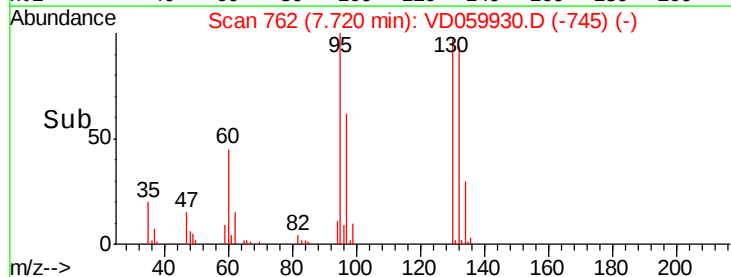
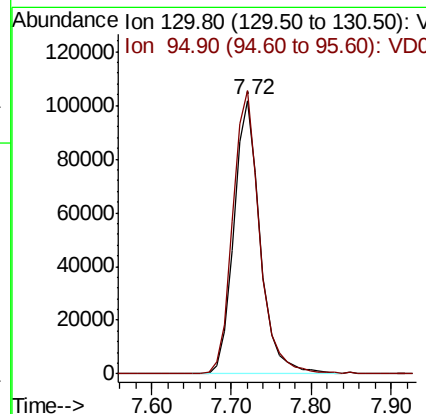
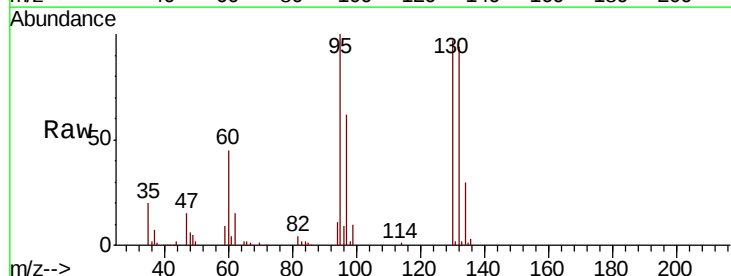
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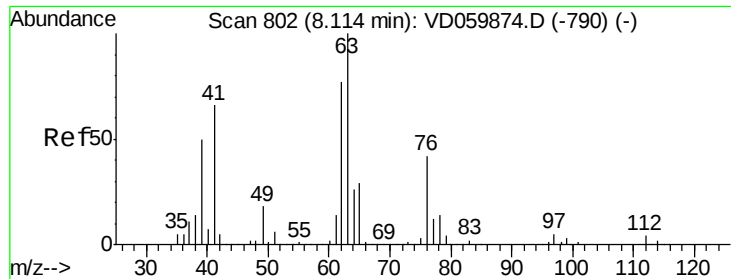


#44

Trichloroethene
 Concen: 19.24 ug/l
 RT: 7.72 min Scan# 762
 Delta R.T. -0.03 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	202.0





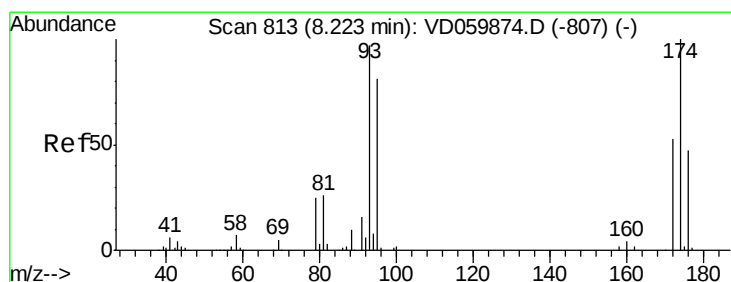
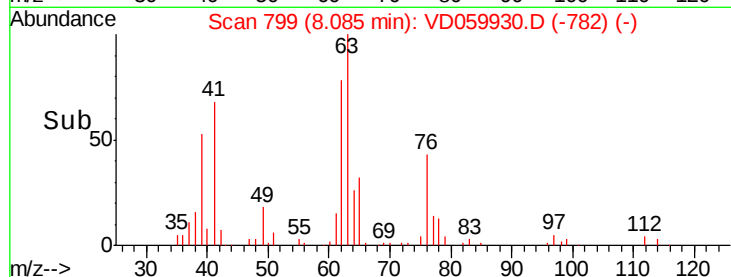
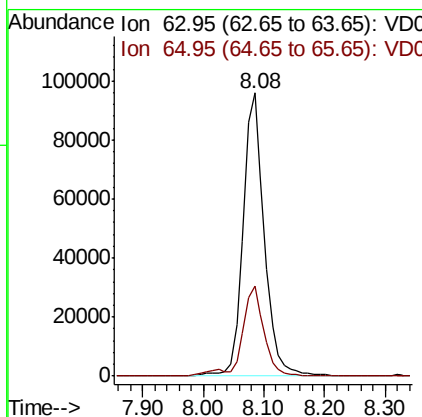
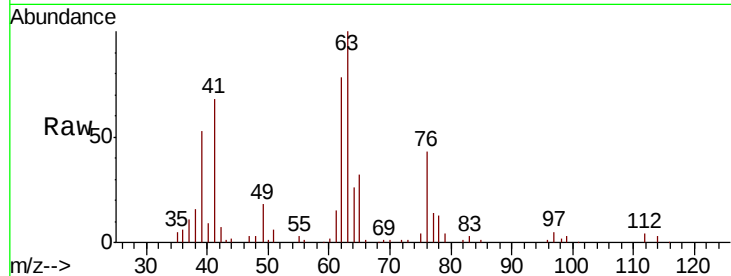
#45
 1,2-Dichloropropane
 Concen: 20.00 ug/l
 RT: 8.08 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0831SBS01

Tot Ion: 63 Resp: 231842
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.5 35.3

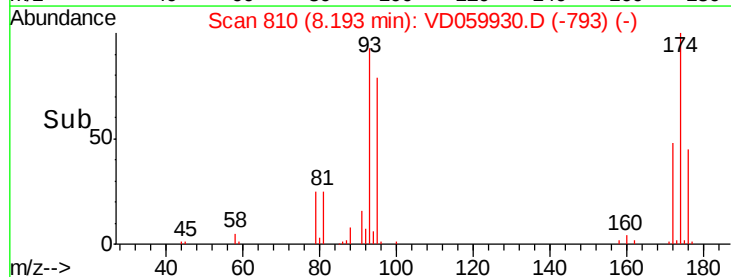
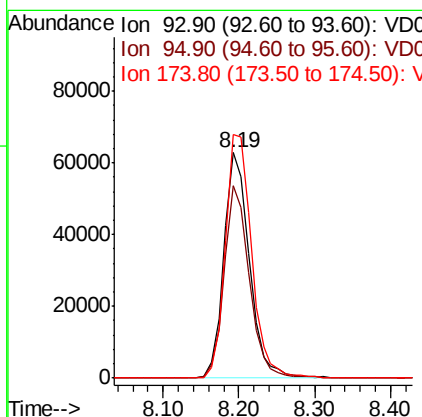
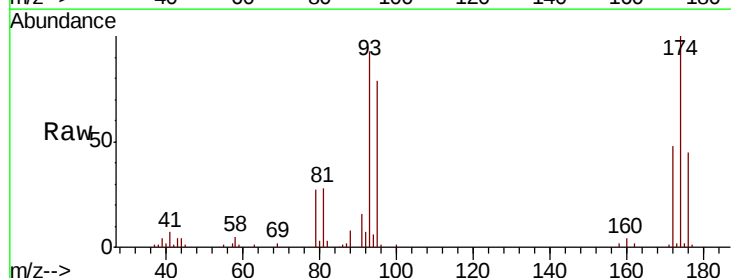
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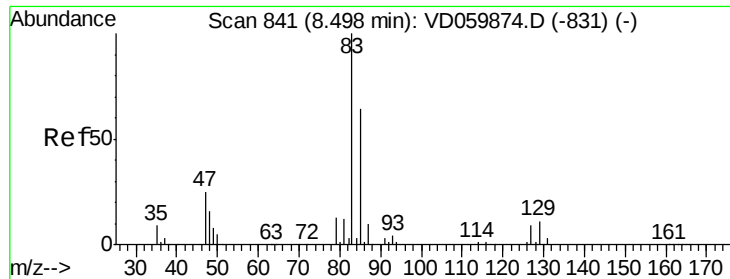
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#46
 Dibromomethane
 Concen: 19.63 ug/l
 RT: 8.19 min Scan# 810
 Delta R.T. -0.03 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Tgt Ion: 93 Resp: 146320
 Ion Ratio Lower Upper
 93 100
 95 85.2 66.6 100.0
 174 108.0 82.4 123.6





#47

Bromodichloromethane

Concen: 20.27 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.03 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

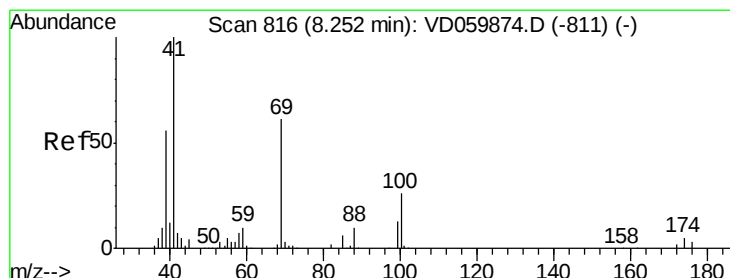
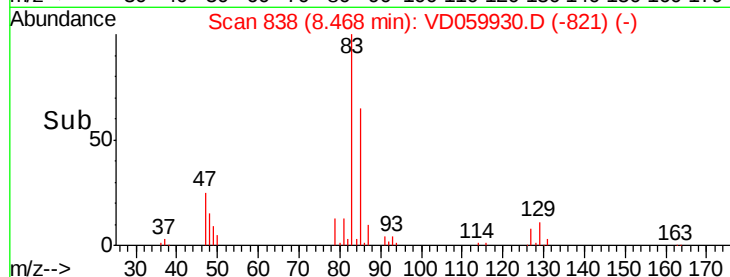
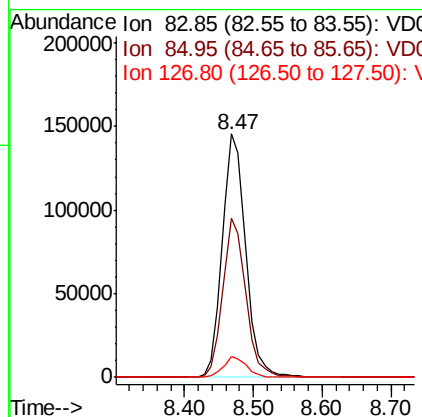
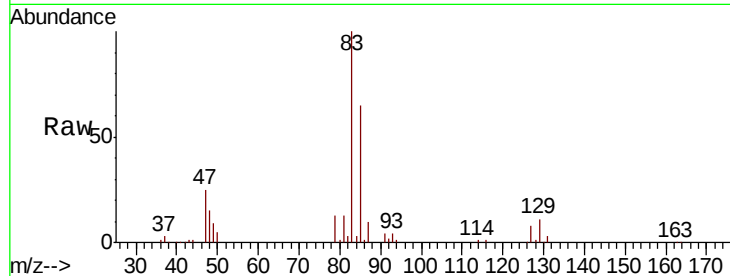
ClientSampleId :

VD0831SBS01

Tot Ion:	83	Resp:	341938
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.3	76.9
127	8.4	7.0	10.4

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#48

Methyl methacrylate

Concen: 19.76 ug/l

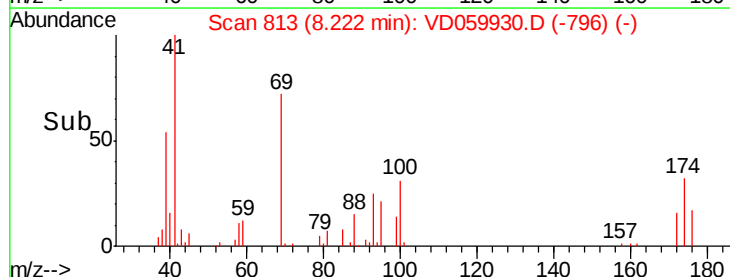
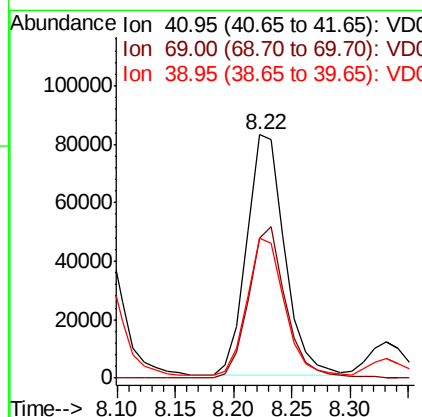
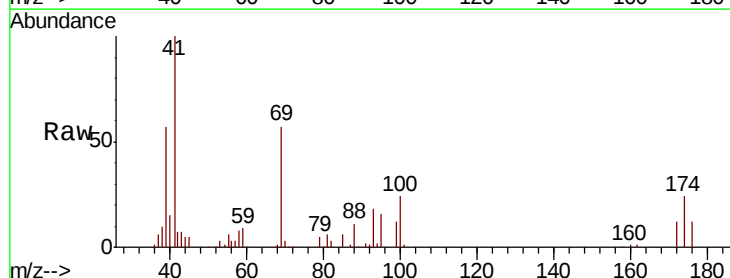
RT: 8.22 min Scan# 813

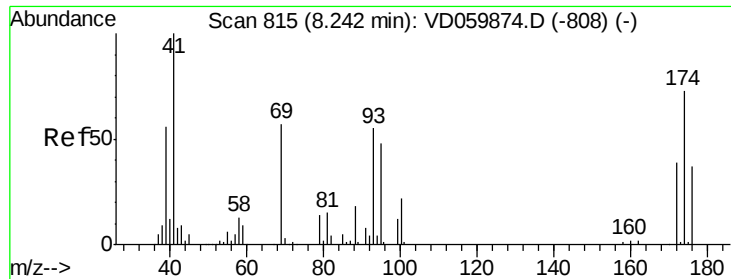
Delta R.T. -0.03 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Tgt Ion:	41	Resp:	186001
Ion	Ratio	Lower	Upper
41	100		
69	57.5	48.0	72.0
39	57.5	45.4	68.0





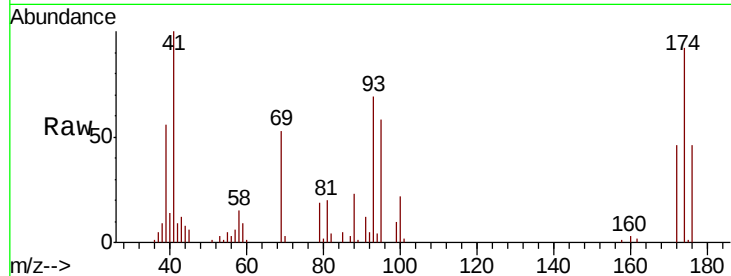
#49
1,4-Dioxane
Concen: 426.40 ug/l
RT: 8.21 min Scan# 812
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

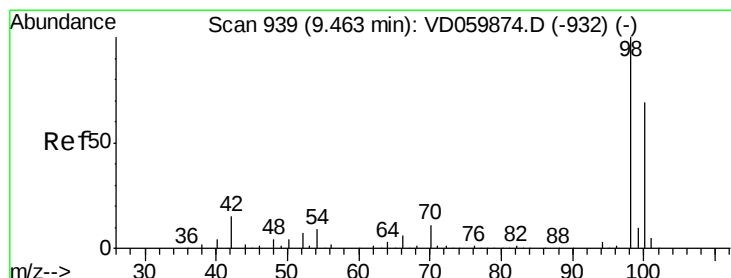
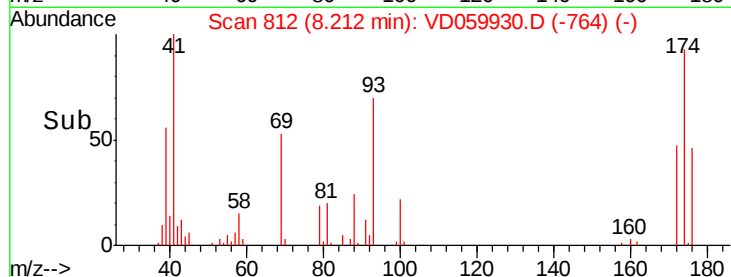
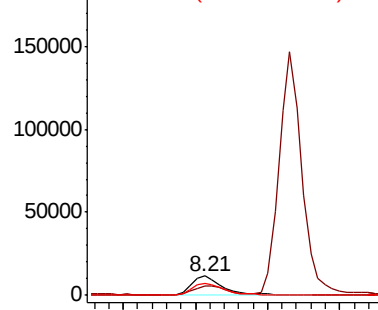
Tot Ion	Ratio	Lower	Upper
88	100		
43	51.2	45.0	67.6
58	62.6	55.8	83.8

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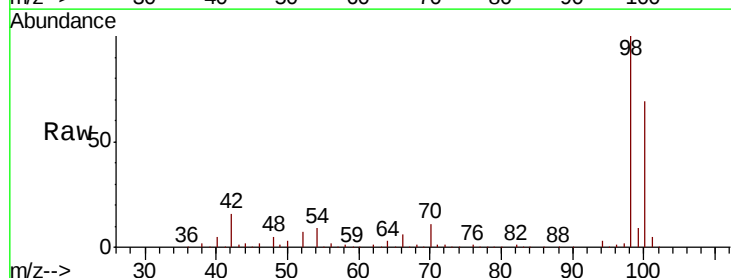


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

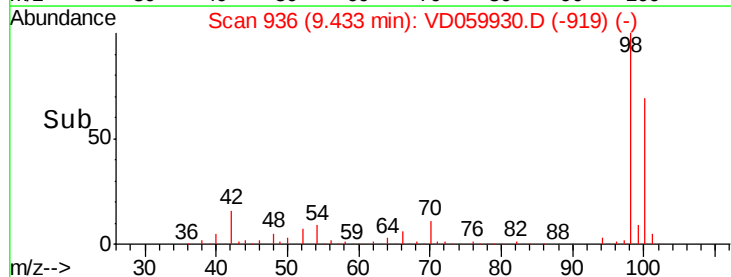
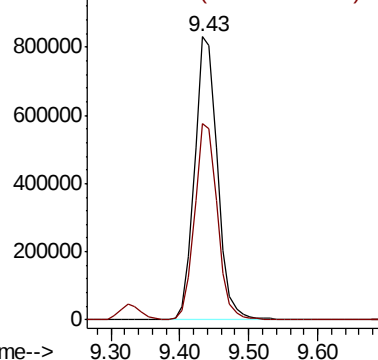


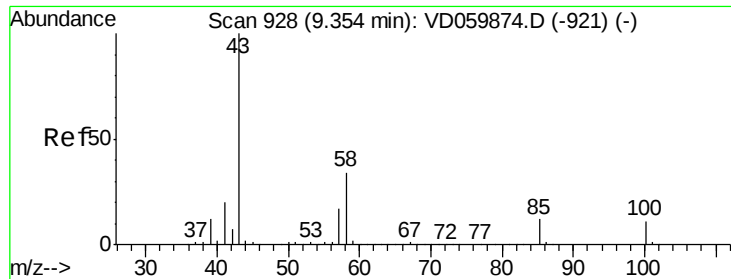
#50
Toluene-d8
Concen: 426.40 ug/l
RT: 9.43 min Scan# 936
Delta R.T. -0.03 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt 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: 89.68 ug/l

RT: 9.32 min Scan# 925

Delta R.T. -0.03 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Tot Ion: 43 Resp: 1079358

Ion Ratio Lower Upper

43 100

58 32.3 27.0 40.4

Instrument :

MSVOA_D

ClientSampleId :

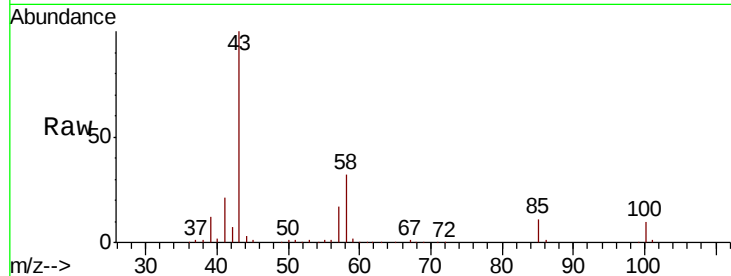
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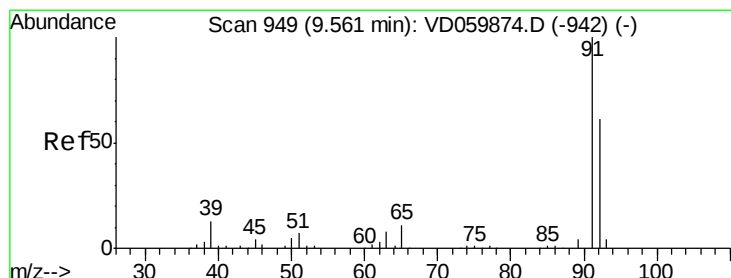
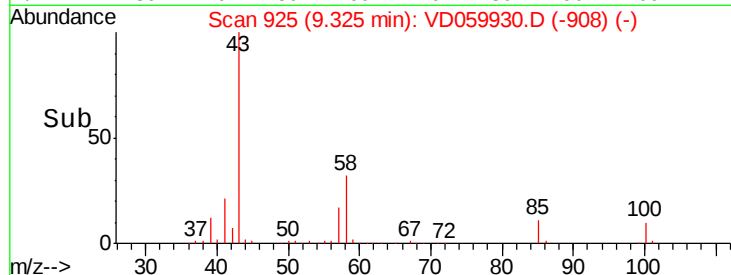
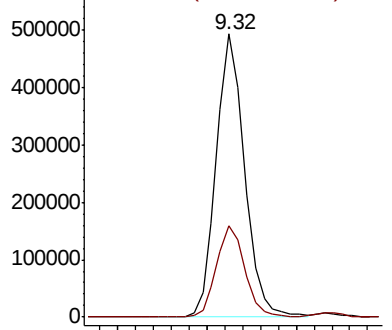
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.69 ug/l

RT: 9.53 min Scan# 946

Delta R.T. -0.03 min

Lab File: VD059930.D

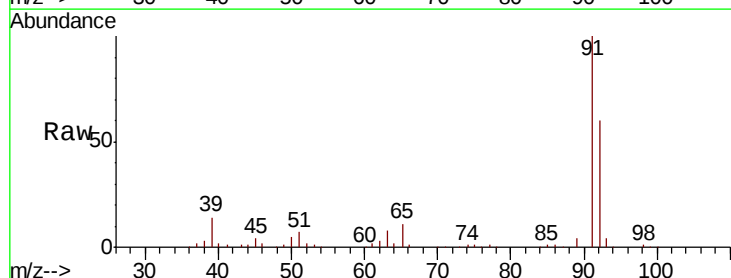
Acq: 31 Aug 2018 12:34

Tgt Ion: 92 Resp: 523487

Ion Ratio Lower Upper

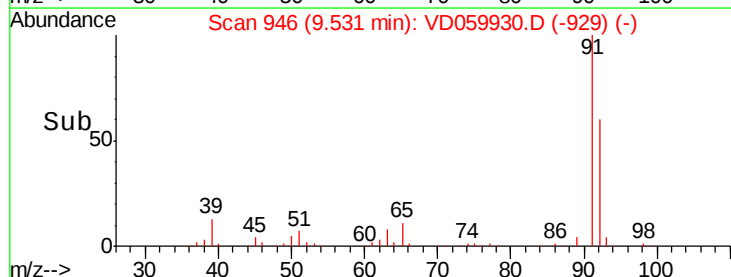
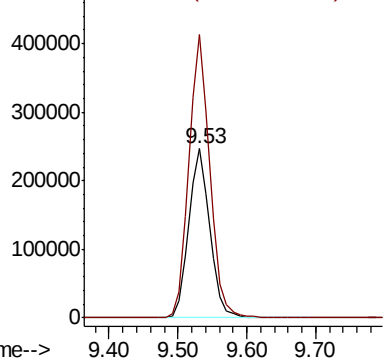
92 100

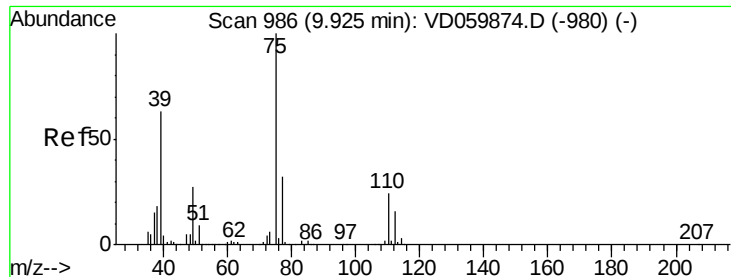
91 167.6 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.91 ug/l

RT: 9.91 min Scan# 984

Delta R.T. -0.02 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 75 Resp: 310707

Ion Ratio Lower Upper

75 100

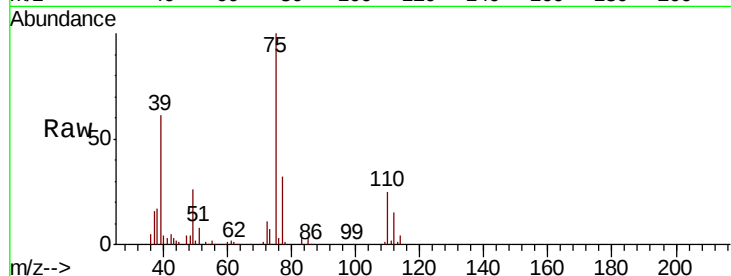
77 32.2 25.4 38.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

150000

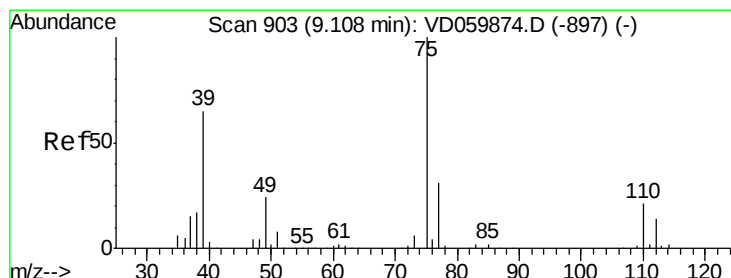
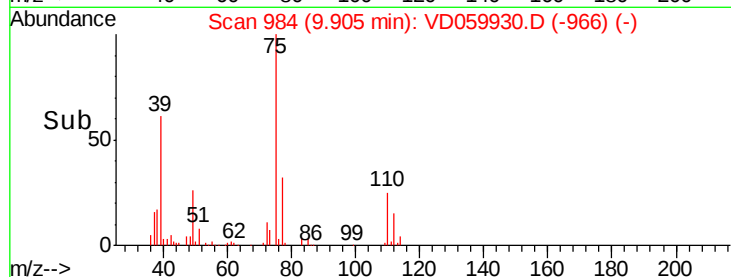
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.90 ug/l

RT: 9.09 min Scan# 901

Delta R.T. -0.02 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

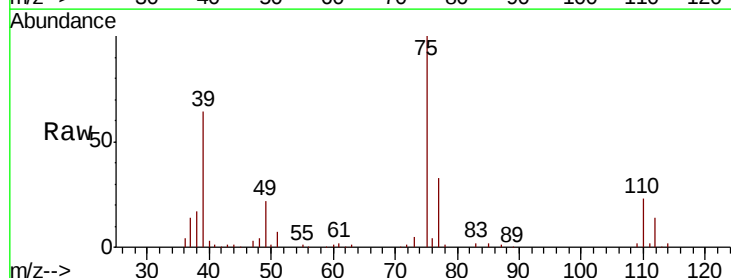
Tgt Ion: 75 Resp: 360114

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2

39 64.2 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

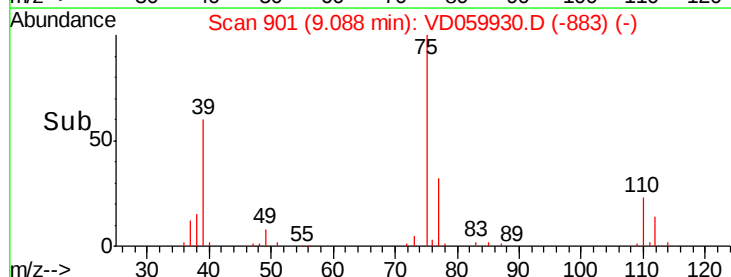
100000

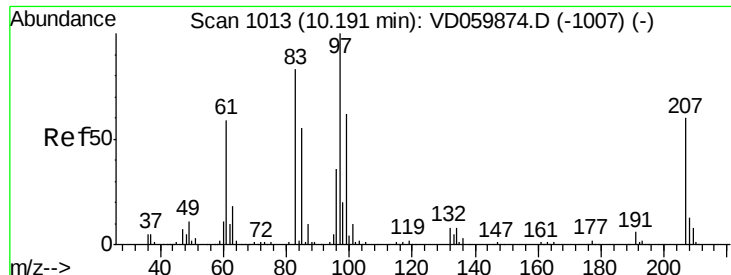
50000

0

9.00 9.10 9.20

Time-->





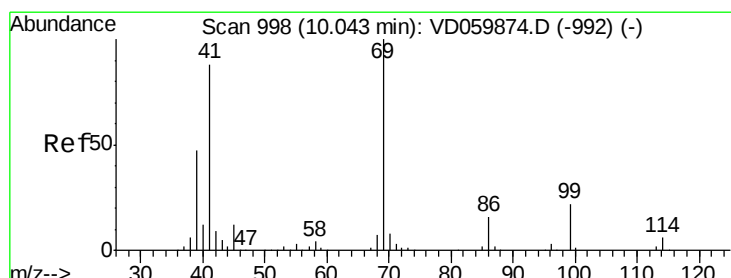
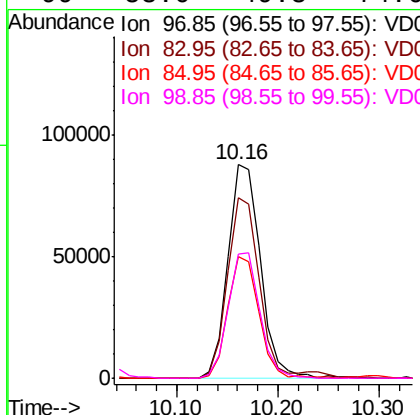
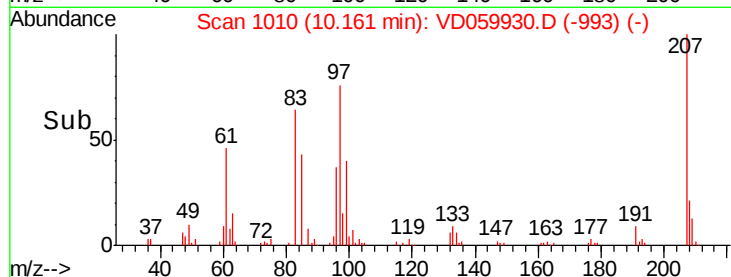
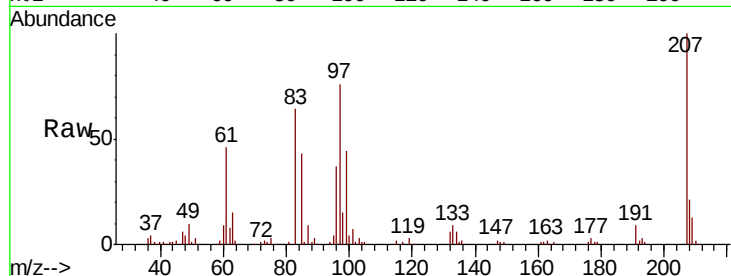
#55
 1,1,2-Trichloroethane
 Concen: 20.24 ug/l
 RT: 10.16 min Scan# 1010
 Delta R.T. -0.03 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	97	Resp	196683
Ion Ratio	Lower	Upper	
97	100		
83	84.2	66.7	100.1
85	56.8	43.8	65.6
99	58.0	49.8	74.6

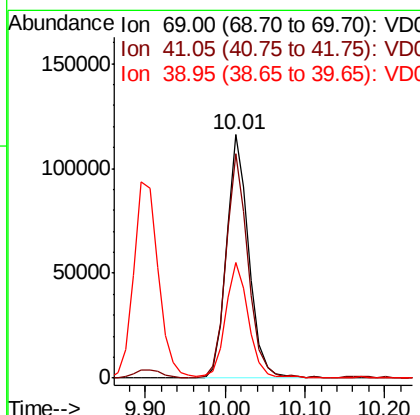
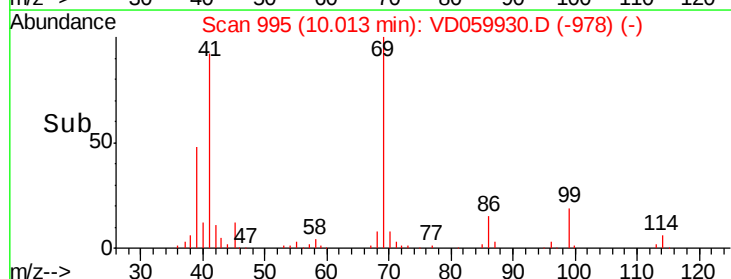
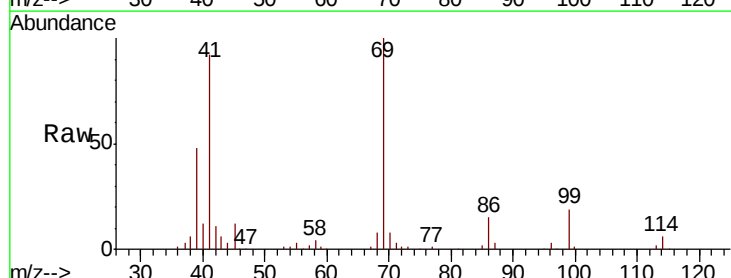
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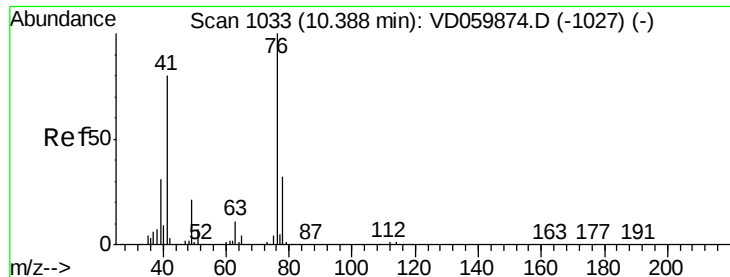
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#56
 Ethyl methacrylate
 Concen: 20.29 ug/l
 RT: 10.01 min Scan# 995
 Delta R.T. -0.03 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Tgt Ion	69	Resp	227585
Ion Ratio	Lower	Upper	
69	100		
41	92.4	71.0	106.4
39	47.7	38.5	57.7





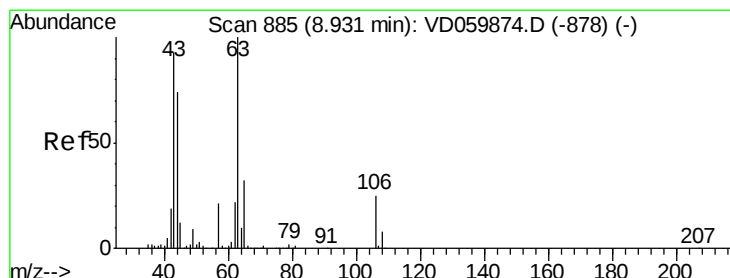
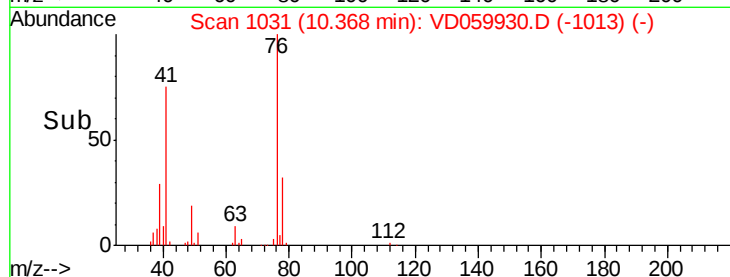
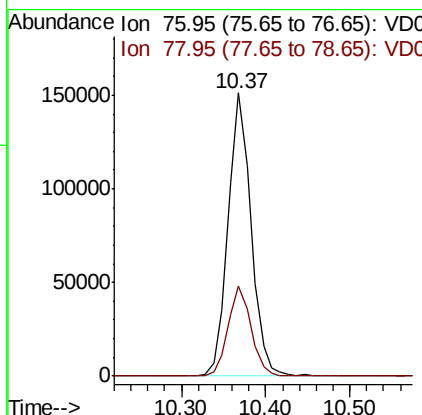
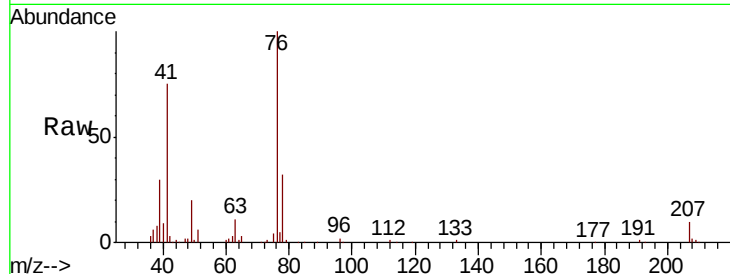
#57
 1,3-Dichloropropane
 Concen: 20.35 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.02 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.6

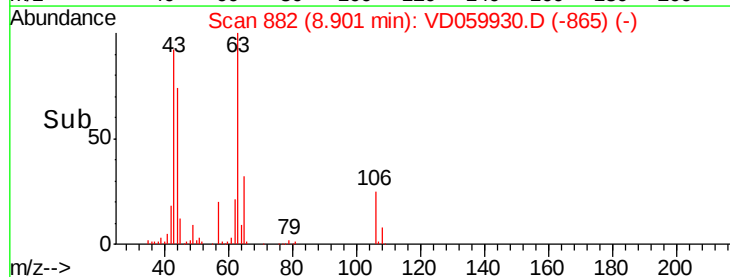
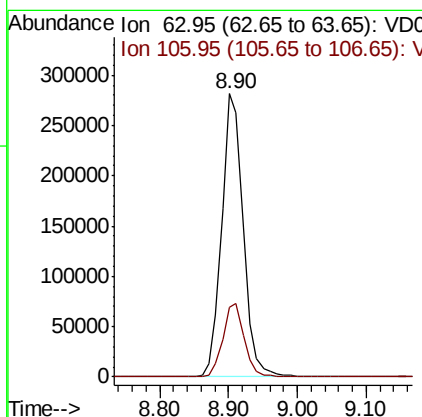
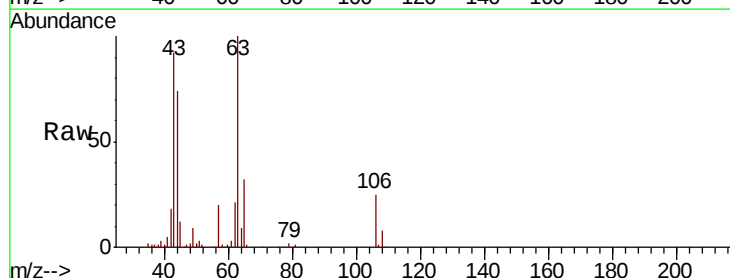
Manual Integrations
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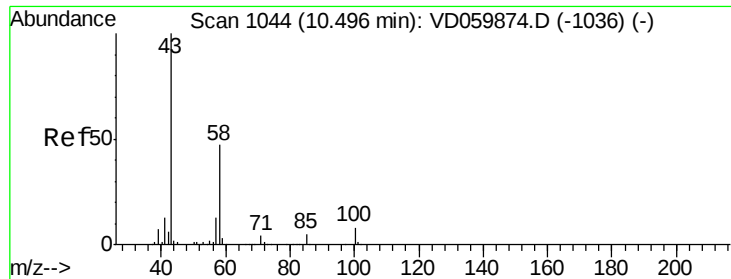
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 113.36 ug/l
 RT: 8.90 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.7	20.1	30.1





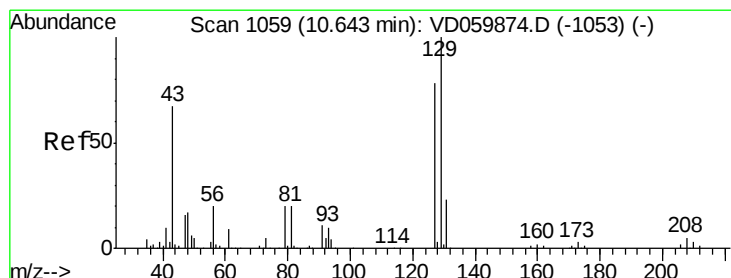
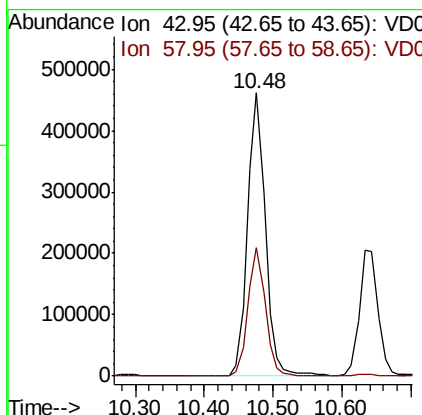
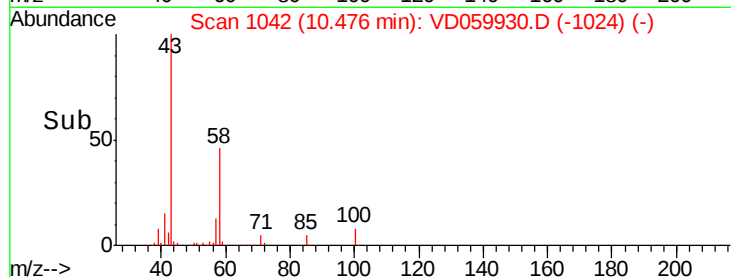
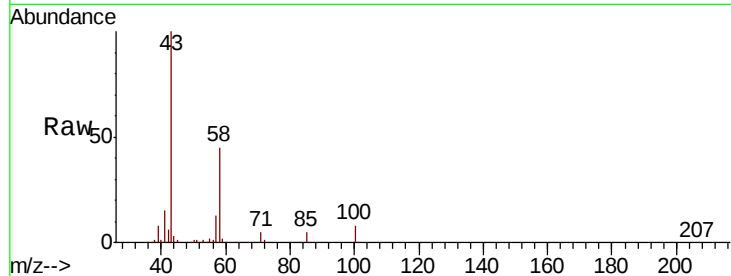
#59
2-Hexanone
Concen: 93.31 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion: 43 Resp: 828381
Ion Ratio Lower Upper
43 100
58 45.4 23.3 69.8

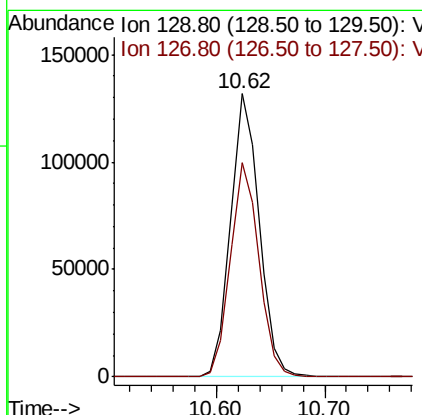
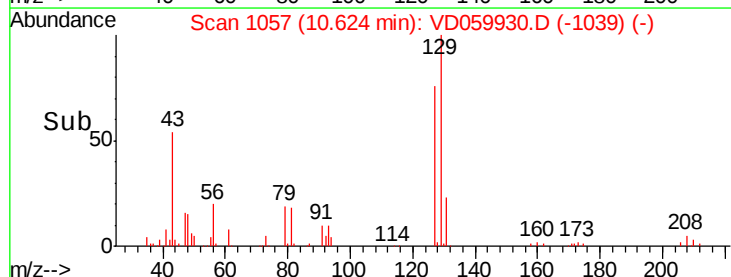
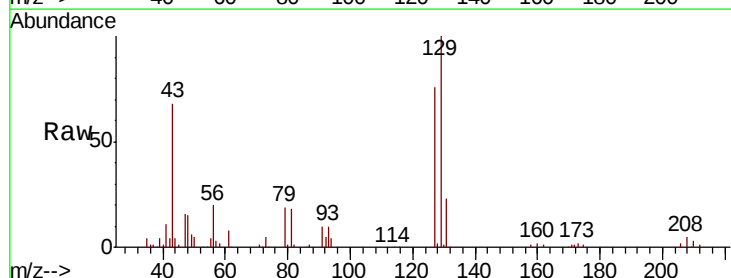
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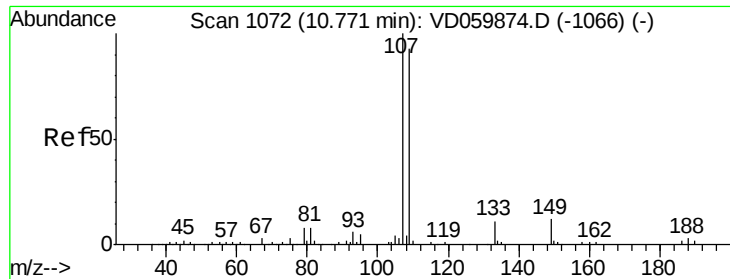
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#60
Dibromochloromethane
Concen: 19.94 ug/l
RT: 10.62 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion: 129 Resp: 243595
Ion Ratio Lower Upper
129 100
127 75.7 39.1 117.2





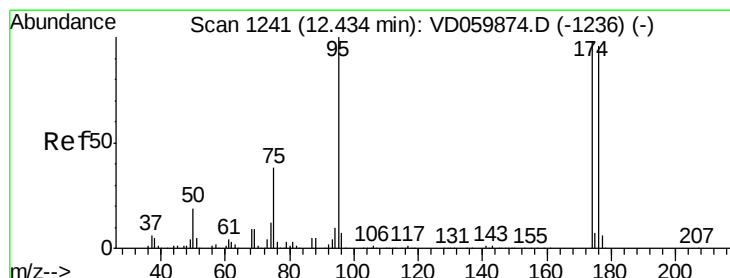
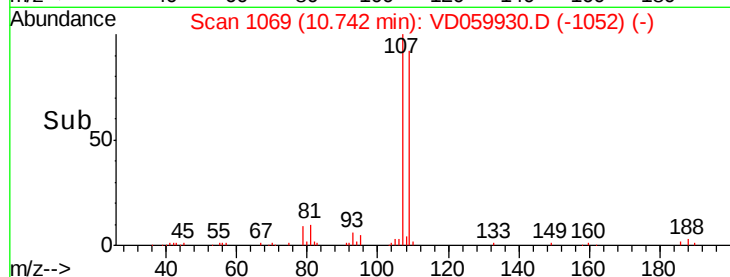
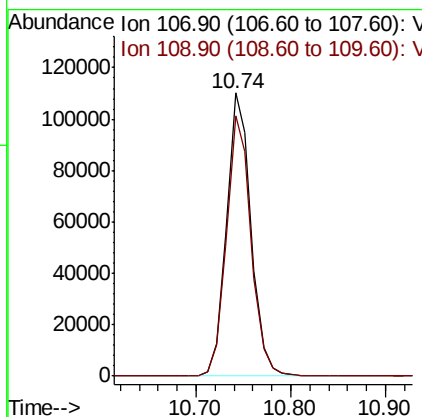
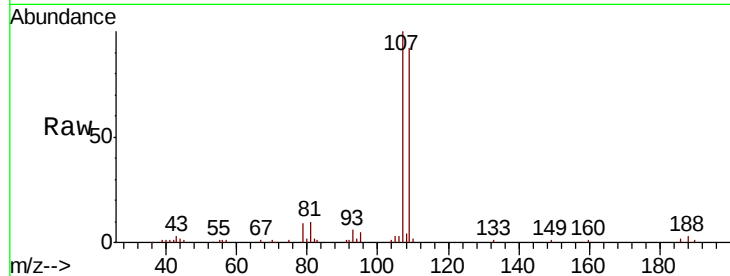
#61
 1,2-Dibromoethane
 Concen: 19.96 ug/l
 RT: 10.74 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	74.6	112.0

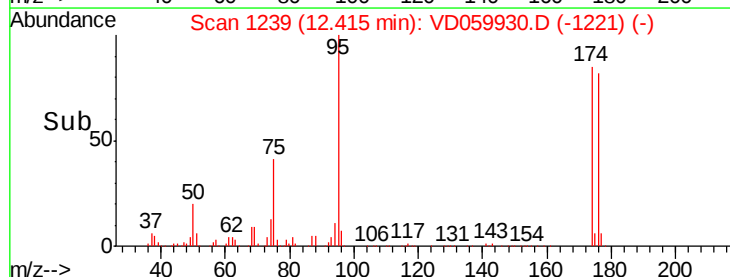
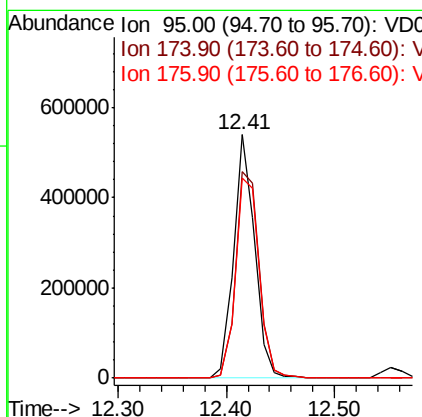
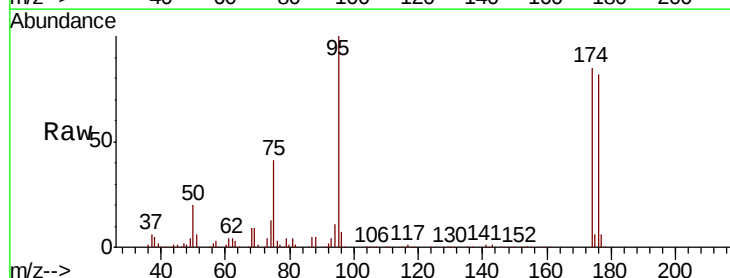
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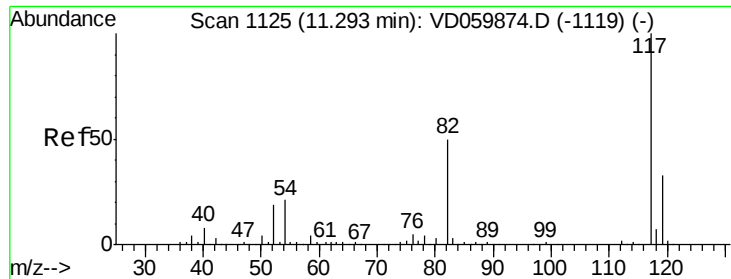
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#62
 4-Bromofluorobenzene
 Concen: 19.96 ug/l
 RT: 12.41 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	195.6
176	82.2	0.0	191.2





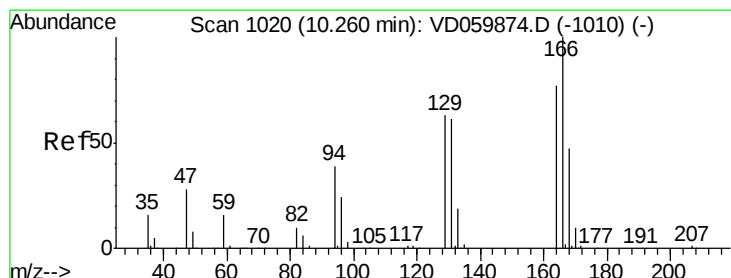
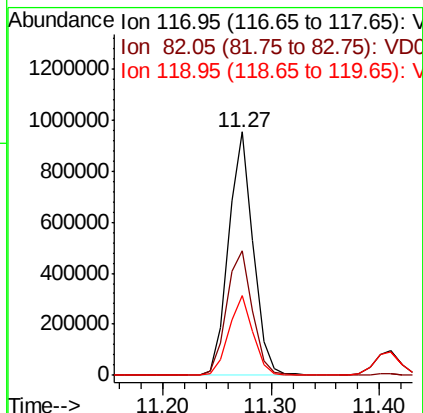
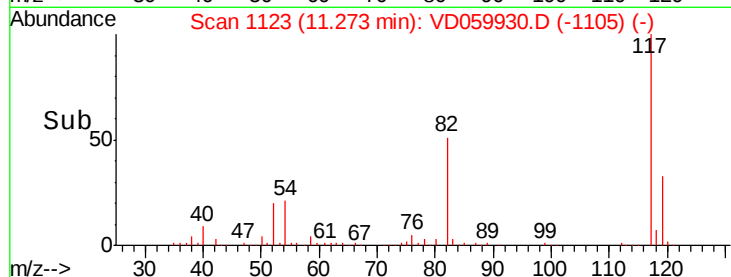
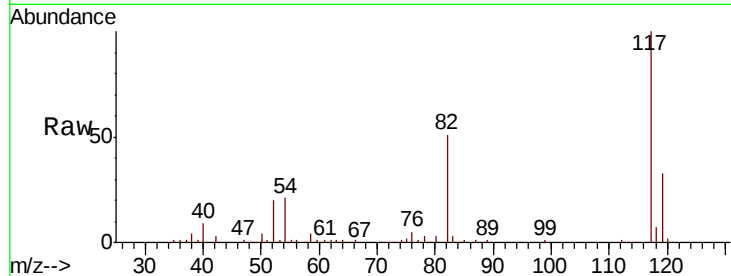
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion:117 Resp: 1505591
Ion Ratio Lower Upper
117 100
82 51.2 40.1 60.1
119 32.5 26.7 40.1

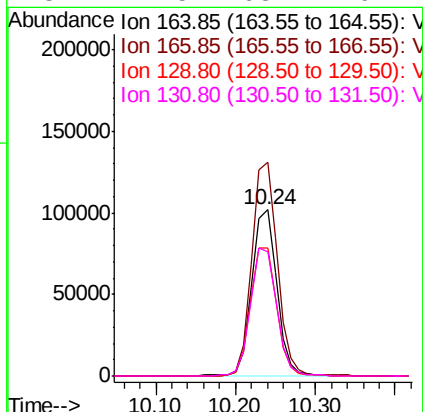
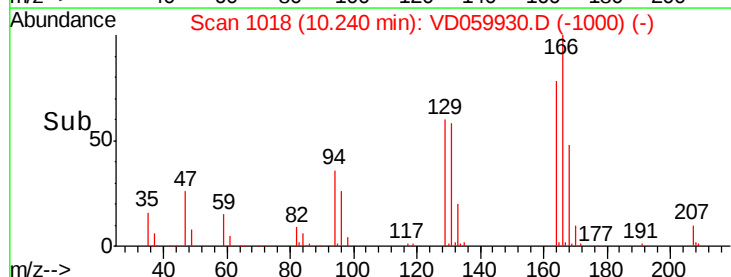
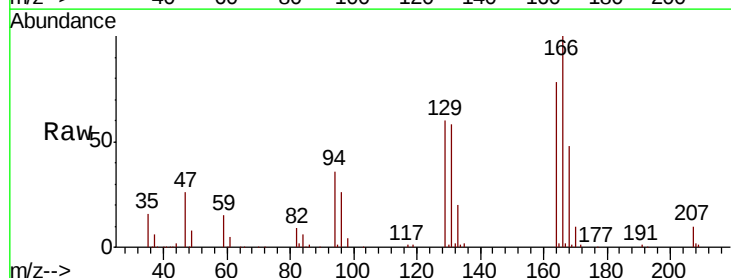
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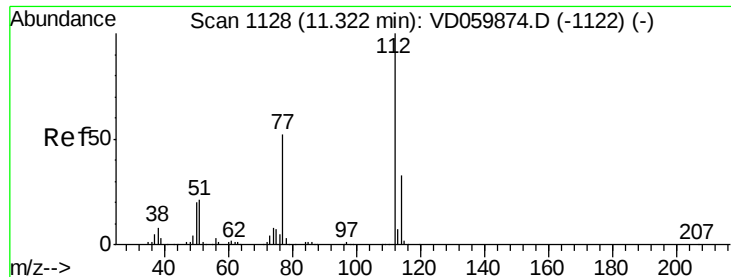
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#64
Tetrachloroethene
Concen: 18.93 ug/l
RT: 10.24 min Scan# 1018
Delta R.T. -0.02 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion:164 Resp: 220408
Ion Ratio Lower Upper
164 100
166 128.8 103.4 155.2
129 77.4 65.2 97.8
131 74.5 63.1 94.7





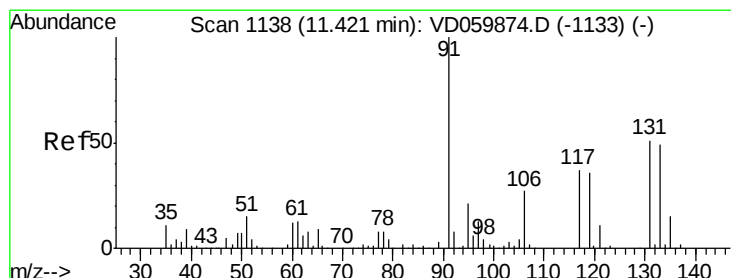
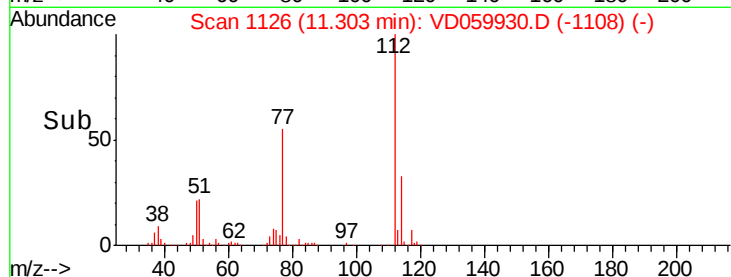
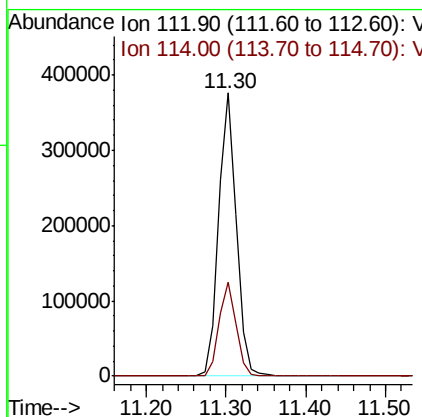
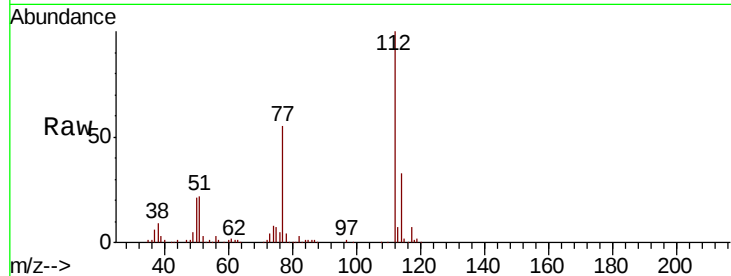
#65
Chlorobenzene
Concen: 19.74 ug/l
RT: 11.30 min Scan# 1126
Delta R.T. -0.02 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	26.4	39.6

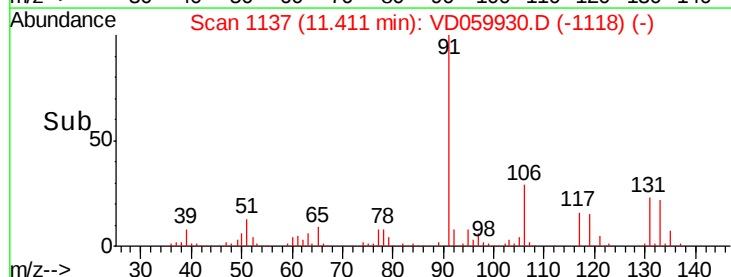
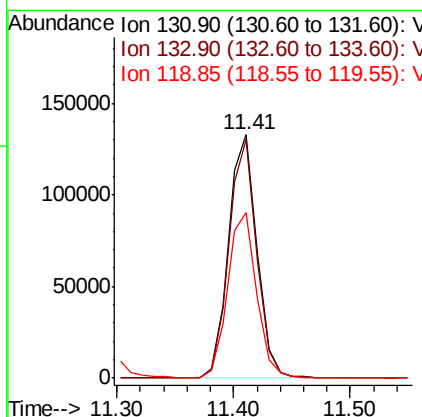
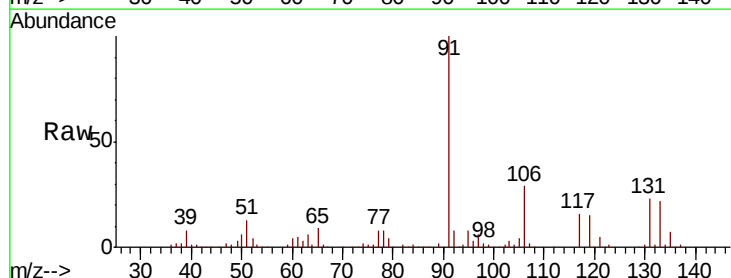
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.46 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.8	48.3	144.8
119	67.8	35.4	106.3





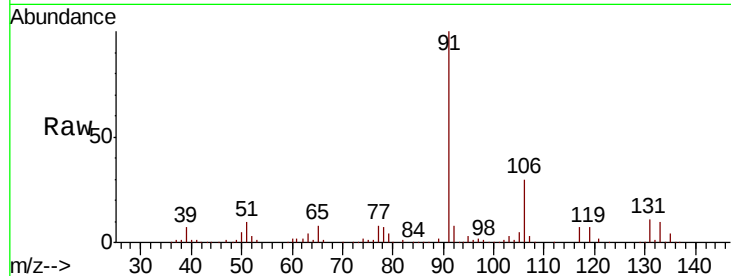
#67
Ethyl Benzene
Concen: 20.40 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

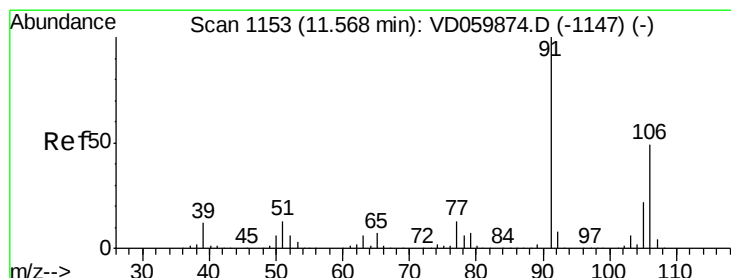
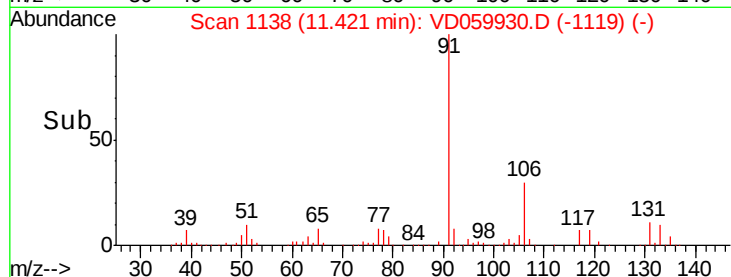
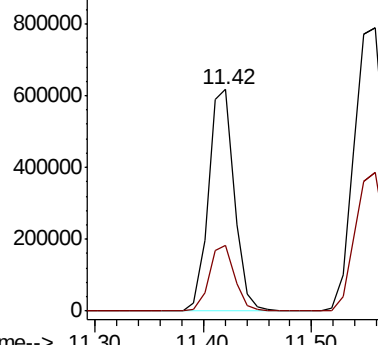
Tot Ion: 91 Resp: 1027036
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.8

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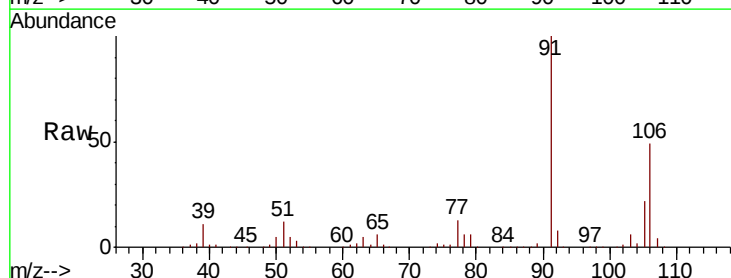


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

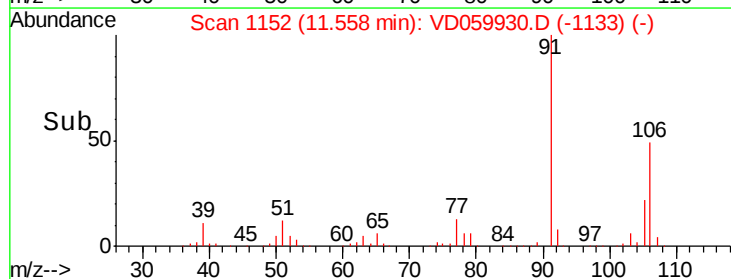
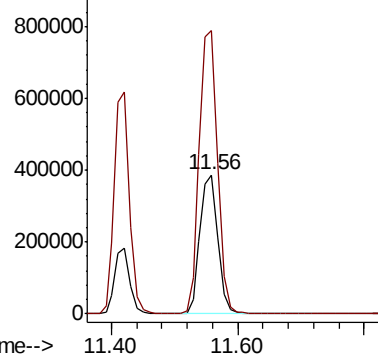


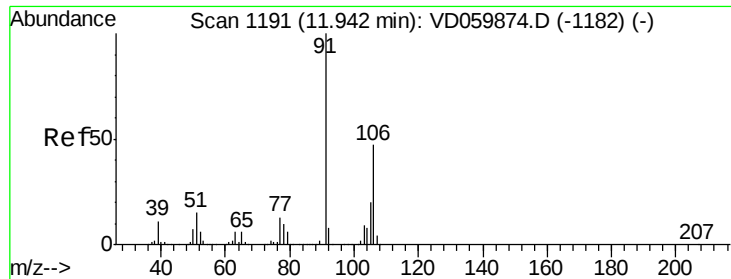
#68
m/p-Xylenes
Concen: 41.30 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.01 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion:106 Resp: 756960
Ion Ratio Lower Upper
106 100
91 203.2 162.0 243.0



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





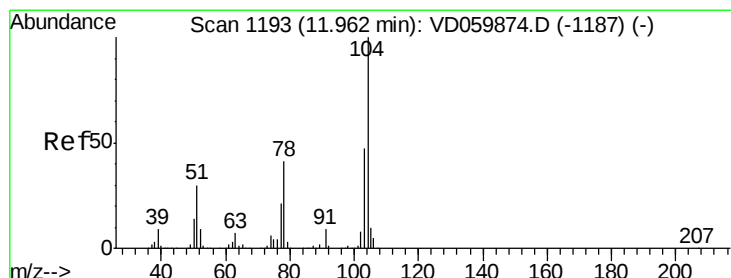
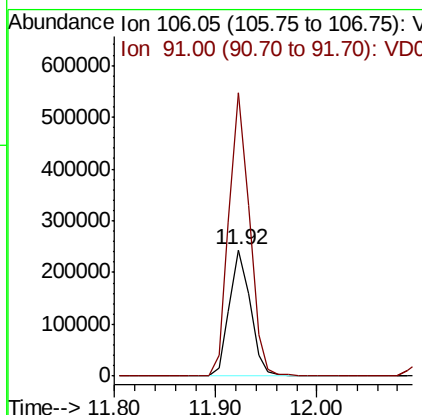
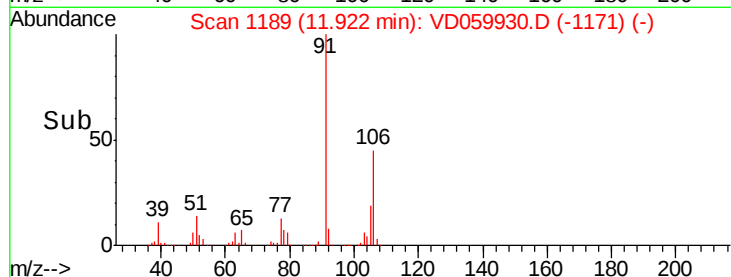
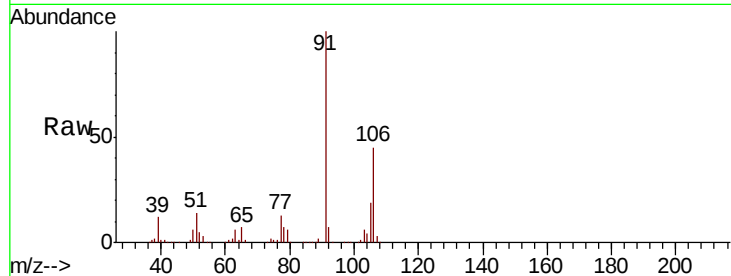
#69
o-Xylene
Concen: 19.70 ug/l
RT: 11.92 min Scan# 1189
Delta R.T. -0.02 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	353133		
91	91	224.3	107.3	322.0	

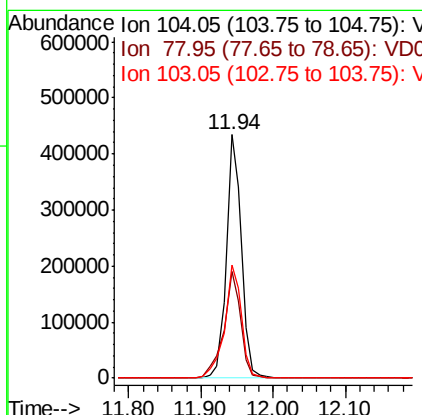
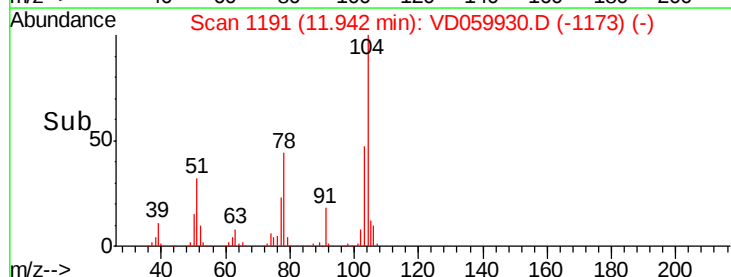
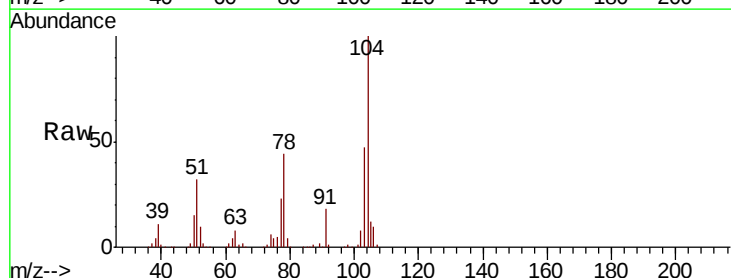
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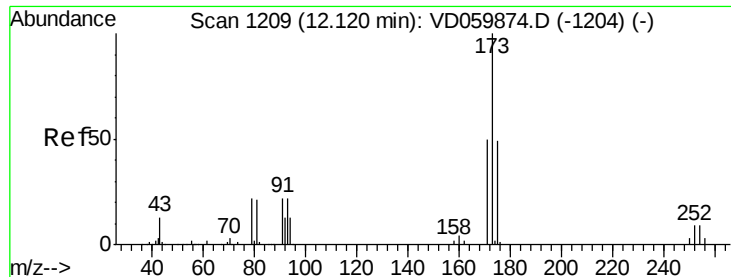
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#70
Styrene
Concen: 20.12 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. -0.02 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	624415		
78	78	43.8	32.6	49.0	
103	103	46.5	37.7	56.5	





#71

Bromoform

Concen: 18.77 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.01 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

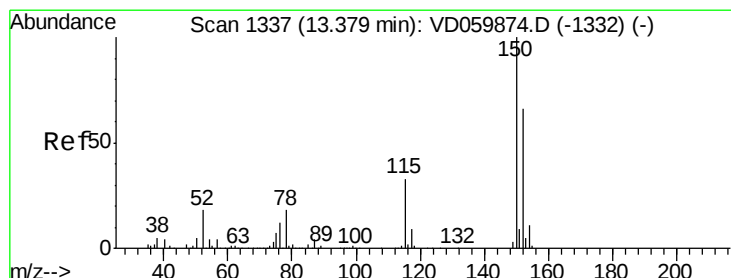
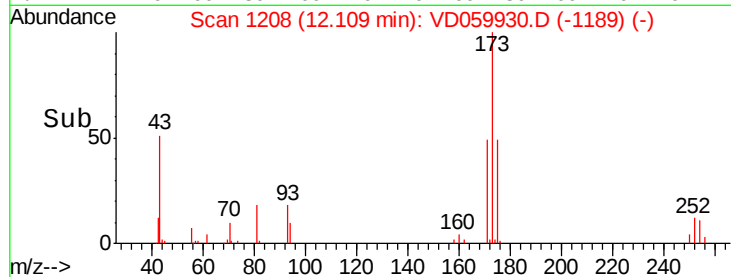
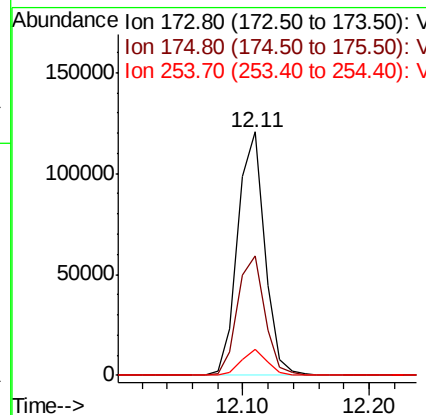
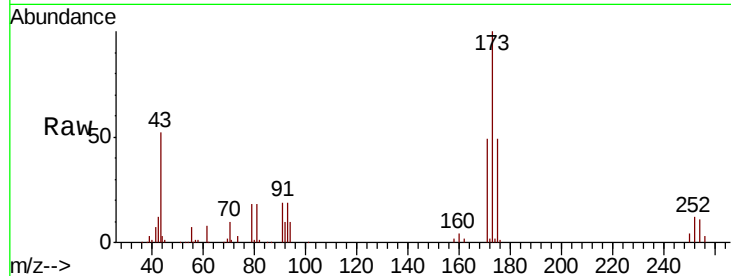
ClientSampleId :

VD0831SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	73.0
254	10.7	7.0	10.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

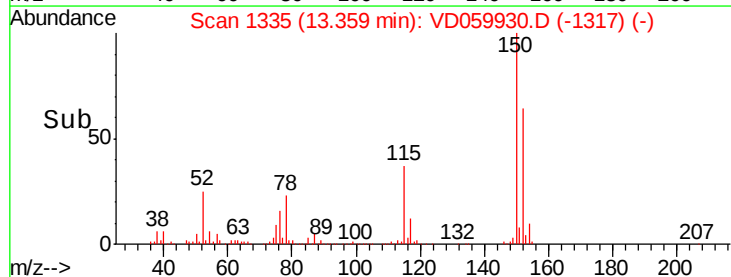
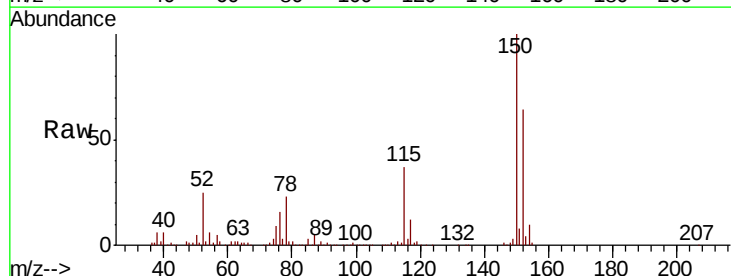
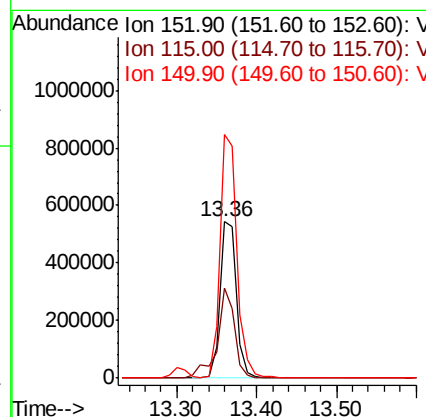
RT: 13.36 min Scan# 1335

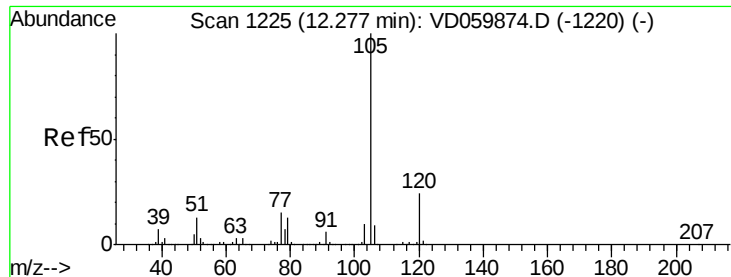
Delta R.T. -0.02 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	25.7	77.0
150	156.0	0.0	310.2





#73

Isopropylbenzene

Concen: 19.30 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 105 Resp: 977682

Ion Ratio Lower Upper

105 100

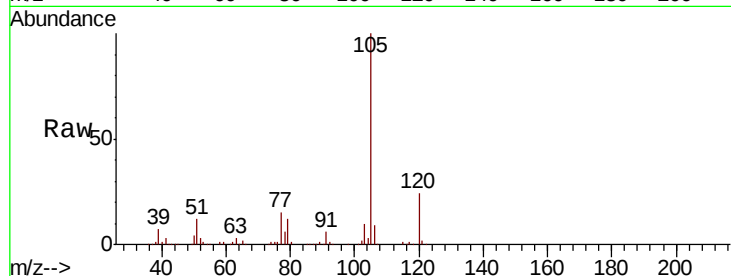
120 24.5 11.8 35.4

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

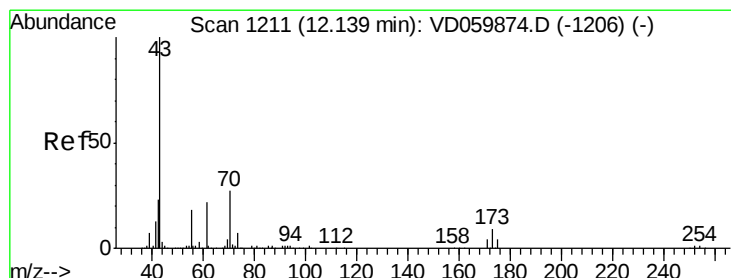
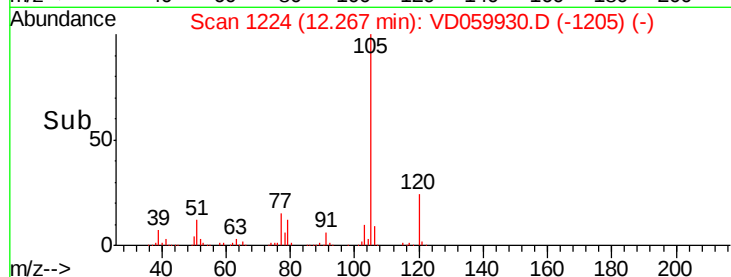
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 19.76 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Tgt Ion: 43 Resp: 438119

Ion Ratio Lower Upper

43 100

70 28.0 21.4 32.2

55 17.1 14.1 21.1

61 22.8 17.8 26.8

Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

400000

300000

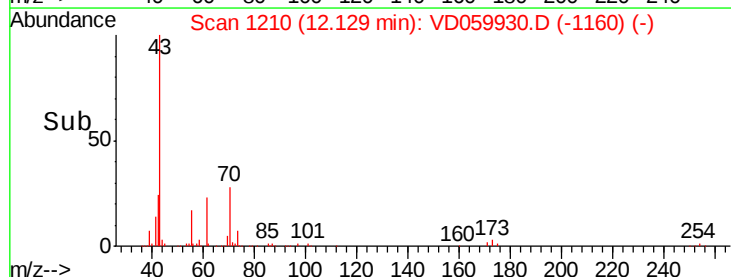
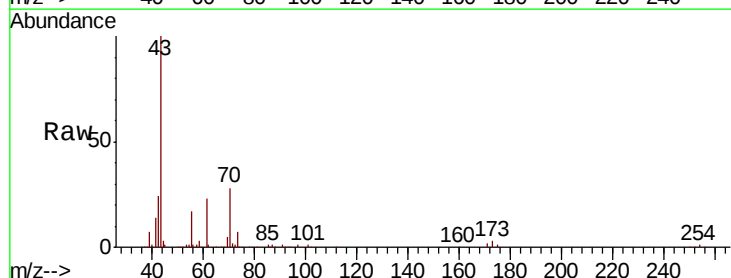
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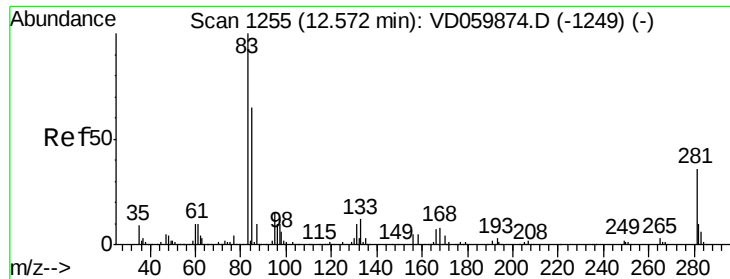
100000

0

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.21 ug/l

RT: 12.55 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 83 Resp: 236760

Ion Ratio Lower Upper

83 100

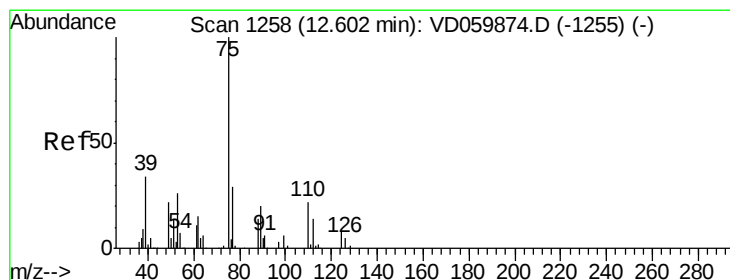
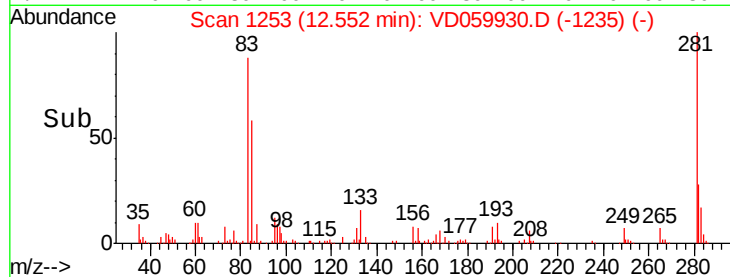
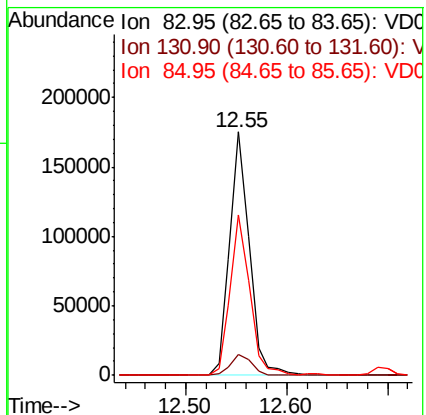
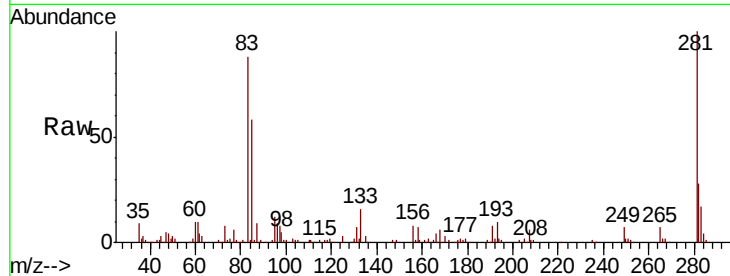
131 8.4 4.8 14.4

85 66.0 32.6 97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.37 ug/l

RT: 12.59 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VD059930.D

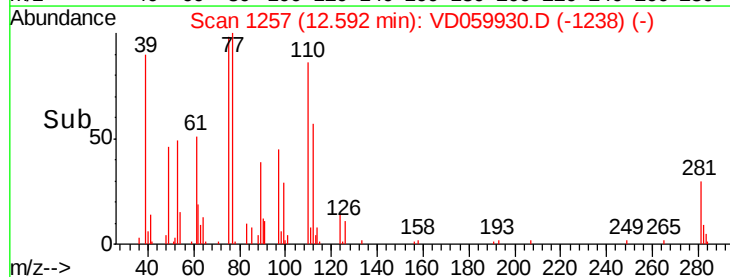
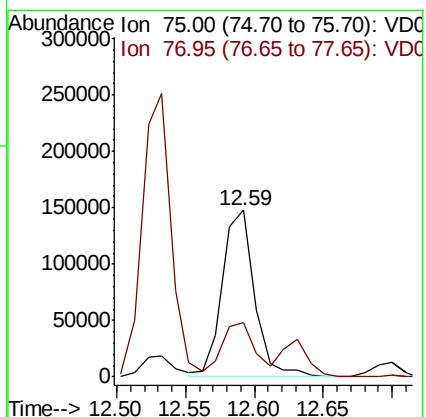
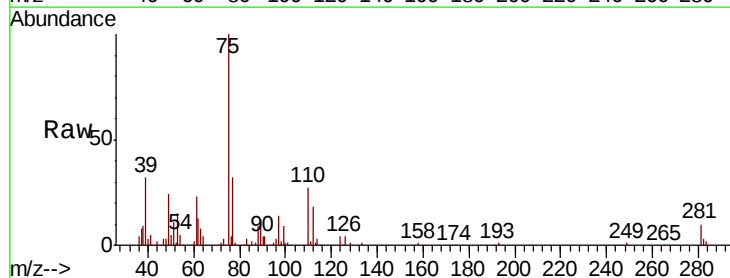
Acq: 31 Aug 2018 12:34

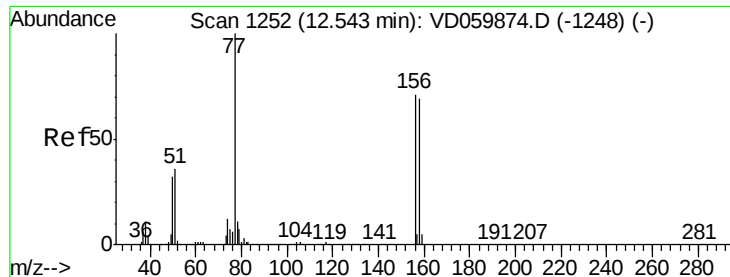
Tgt Ion: 75 Resp: 238811

Ion Ratio Lower Upper

75 100

77 32.5 16.4 49.2





#77

Bromobenzene

Concen: 20.58 ug/l

RT: 12.53 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 156 Resp: 288922

Ion Ratio Lower Upper

156 100

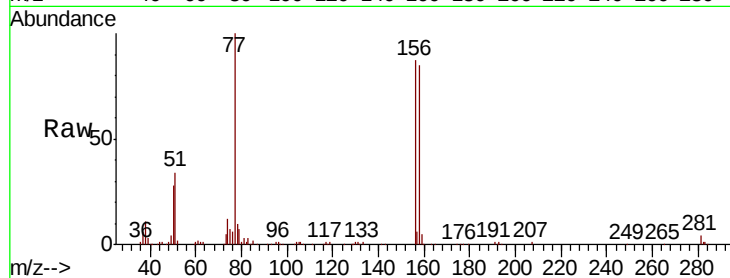
77 115.4 70.2 210.4

158 98.0 48.4 145.2

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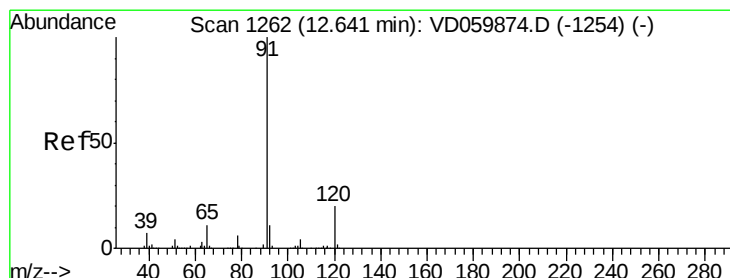
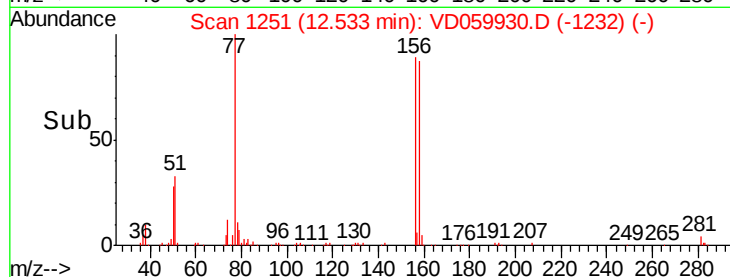
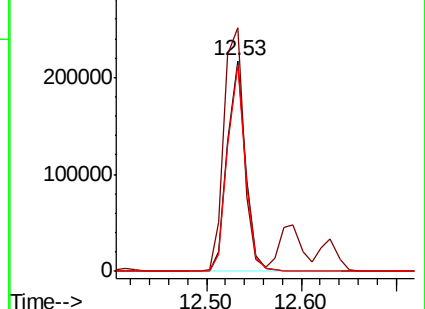
9/4/2018 10:48:52 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.45 ug/l

RT: 12.63 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VD059930.D

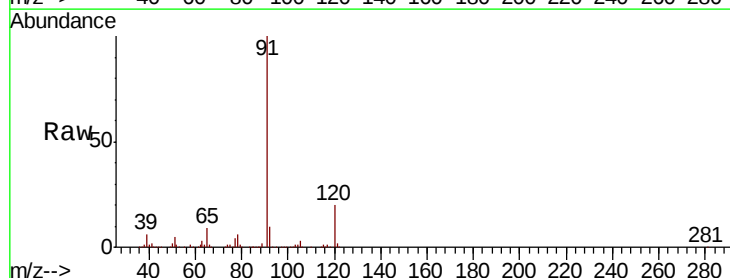
Acq: 31 Aug 2018 12:34

Tgt Ion: 91 Resp: 1247491

Ion Ratio Lower Upper

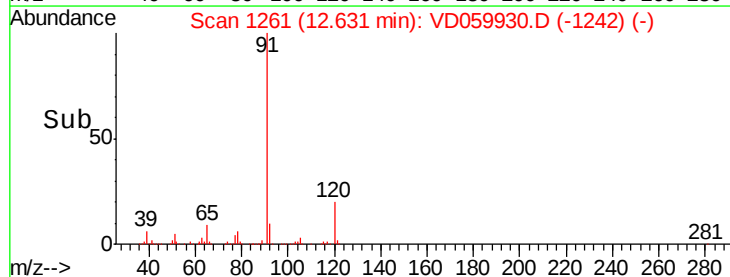
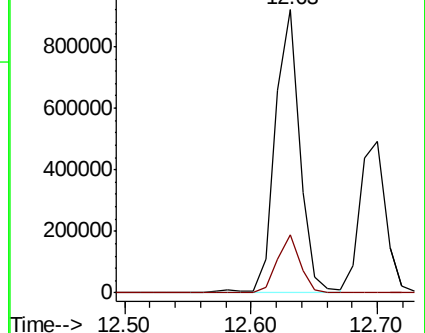
91 100

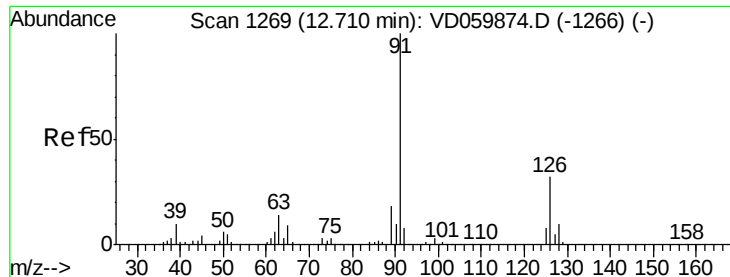
120 20.4 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.49 ug/l

RT: 12.70 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 91 Resp: 706688

Ion Ratio Lower Upper

91 100

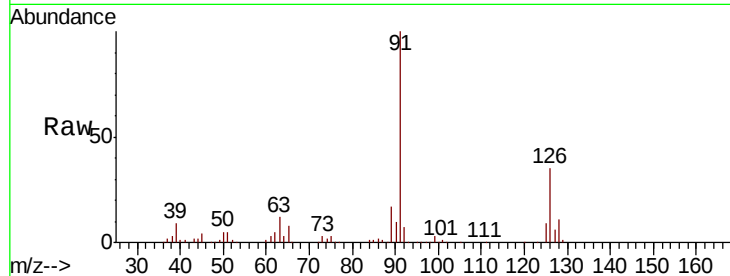
126 34.8 16.1 48.2

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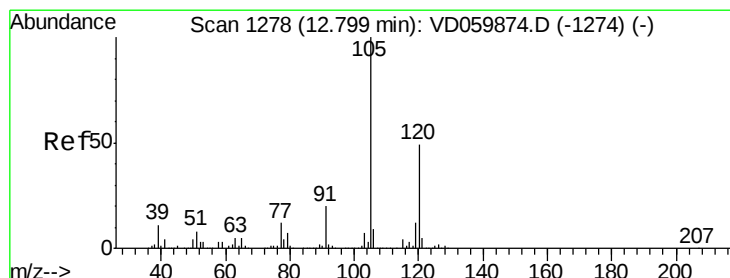
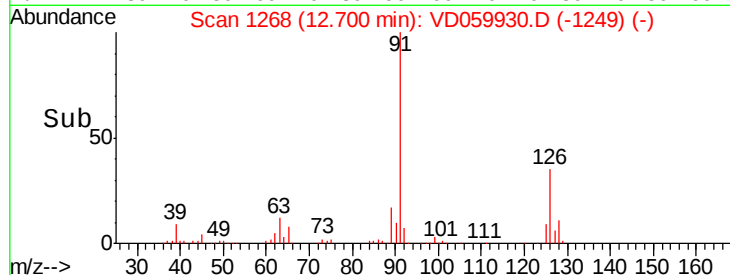
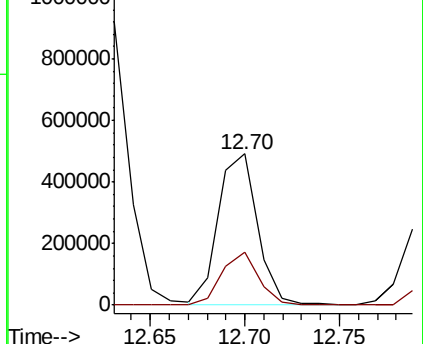
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 20.39 ug/l

RT: 12.79 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VD059930.D

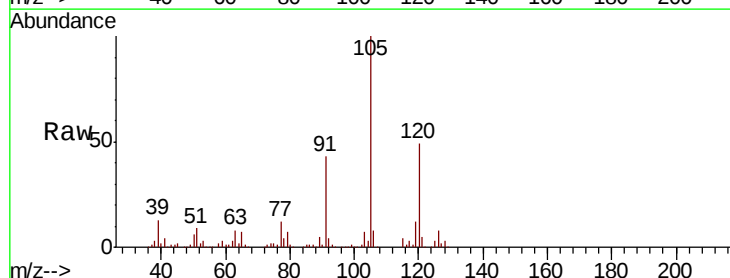
Acq: 31 Aug 2018 12:34

Tgt Ion:105 Resp: 820875

Ion Ratio Lower Upper

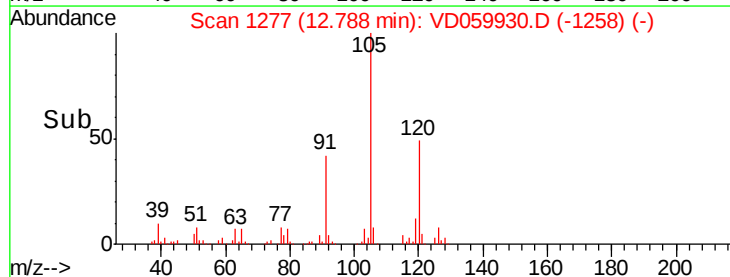
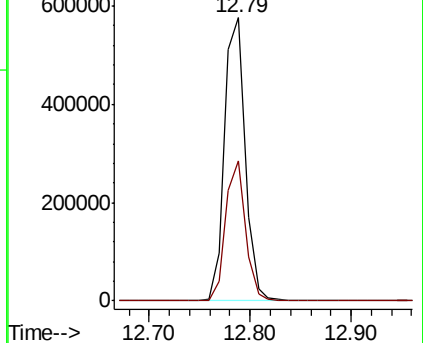
105 100

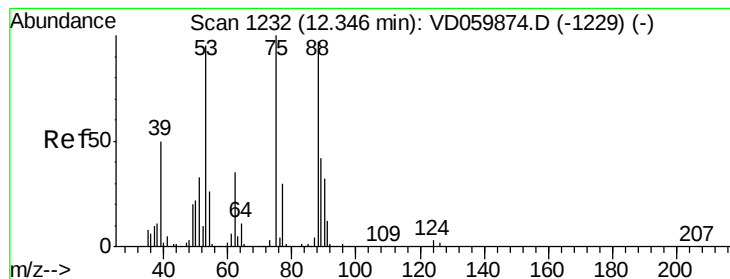
120 49.2 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.11 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD059930.D

Acq: 31 Aug 2018 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0831SBS01

Tot Ion: 75 Resp: 69469

Ion Ratio Lower Upper

75 100

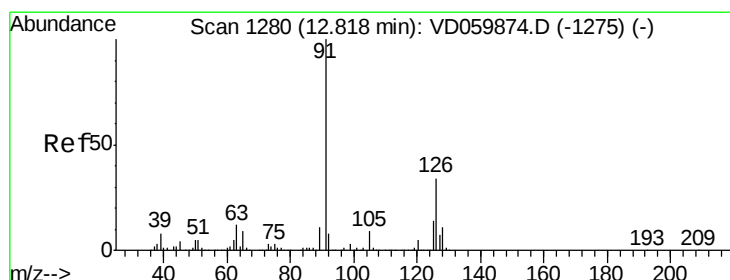
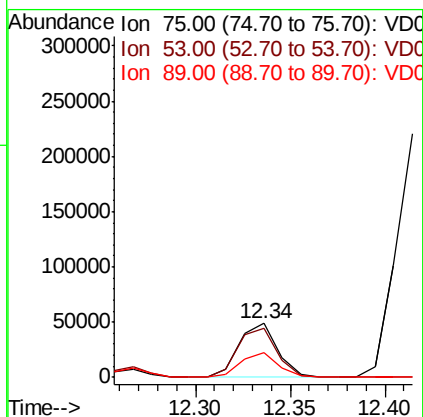
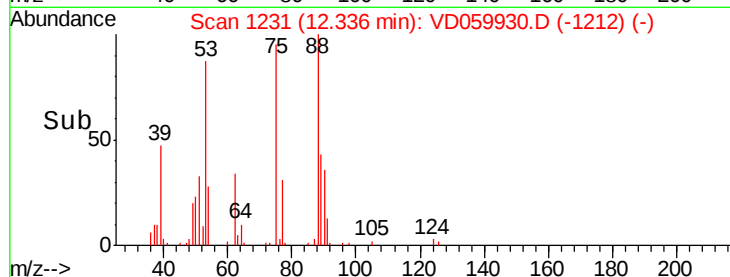
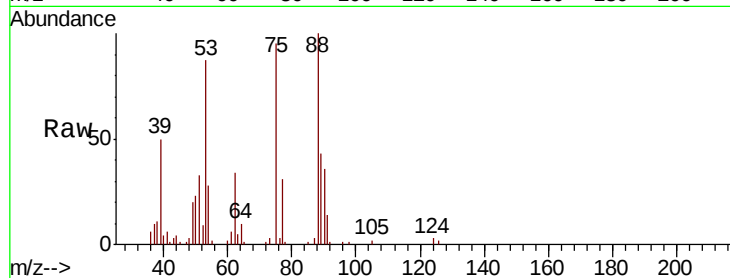
53 91.9 75.8 113.6

89 45.6 33.6 50.4

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#82

4-Chlorotoluene

Concen: 20.36 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD059930.D

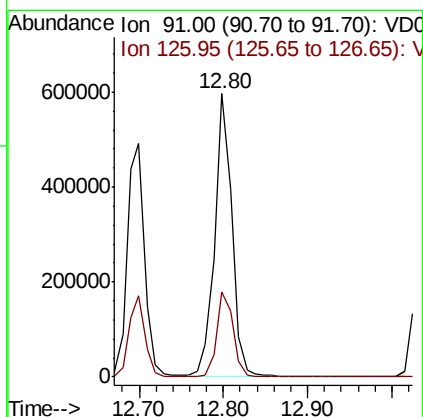
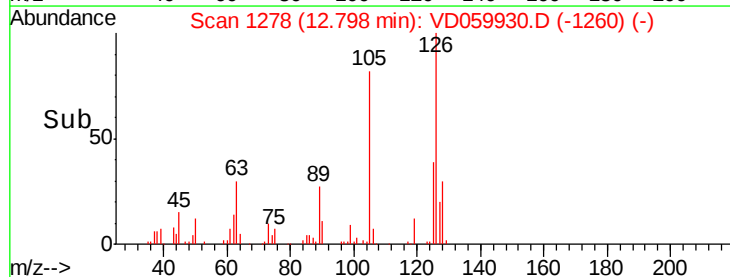
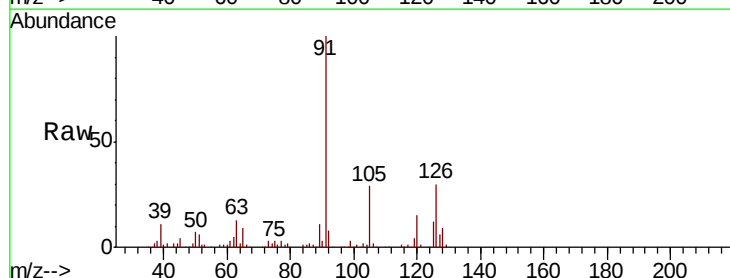
Acq: 31 Aug 2018 12:34

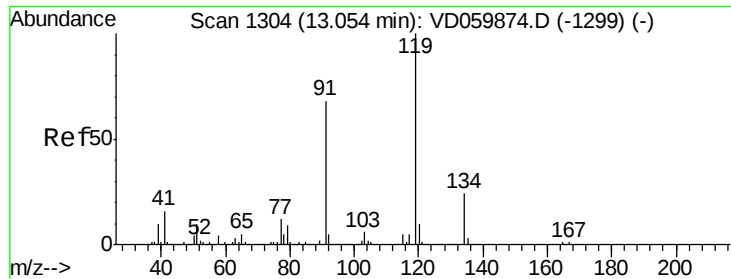
Tgt Ion: 91 Resp: 842226

Ion Ratio Lower Upper

91 100

126 30.0 17.1 51.2





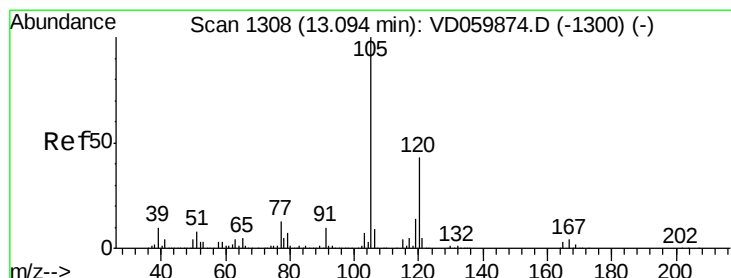
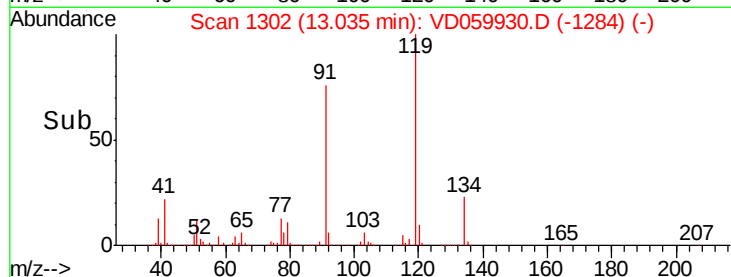
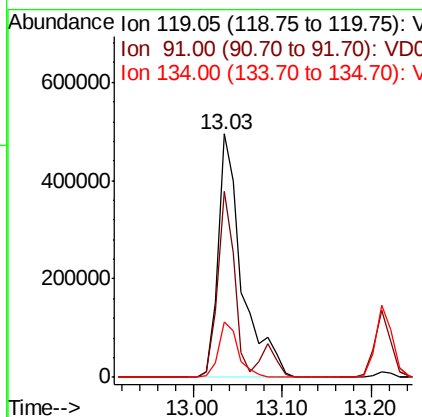
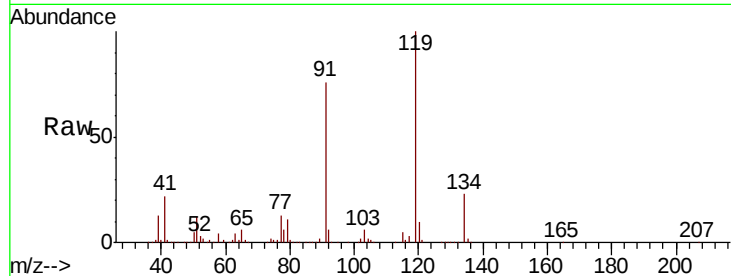
#83
tert-Butylbenzene
Concen: 20.24 ug/l
RT: 13.03 min Scan# 1302
Delta R.T. -0.02 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	76.5	34.3	102.9
134	22.6	11.9	35.9

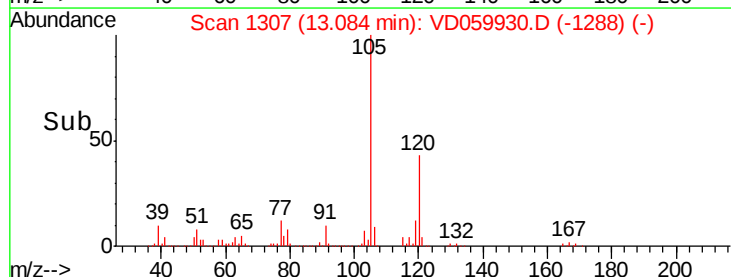
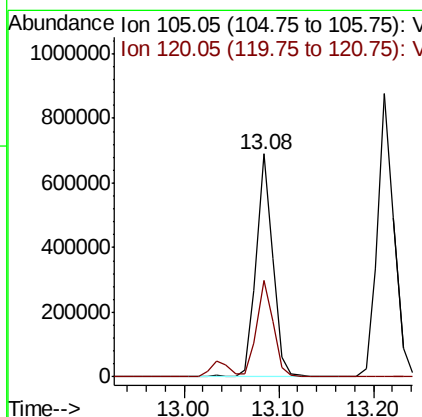
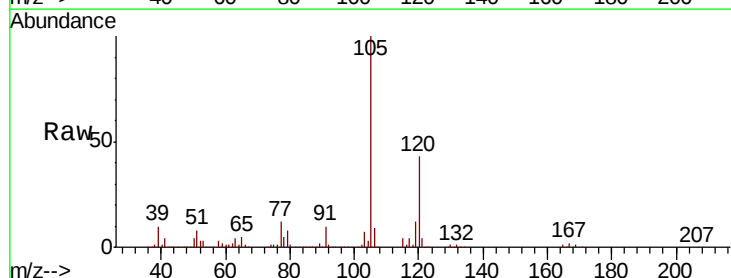
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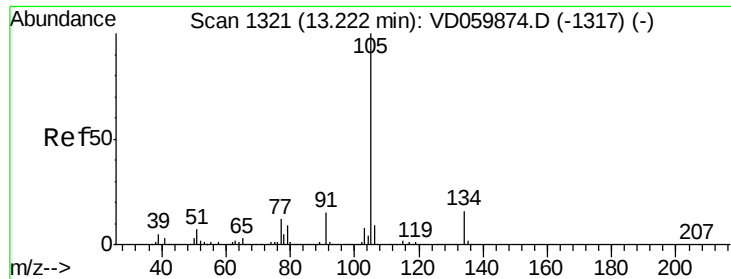
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#84
1,2,4-Trimethylbenzene
Concen: 20.14 ug/l
RT: 13.08 min Scan# 1307
Delta R.T. -0.01 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.8	65.3





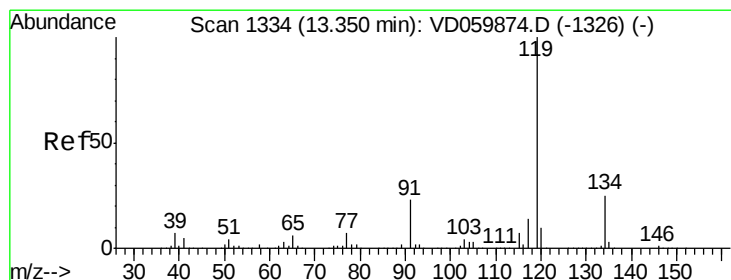
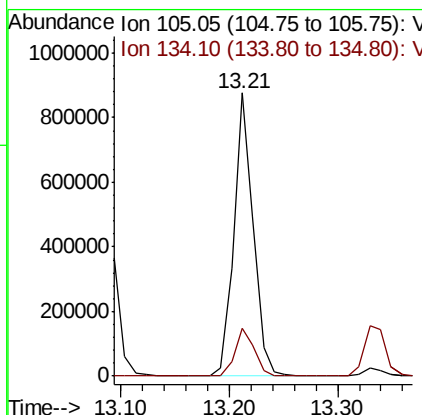
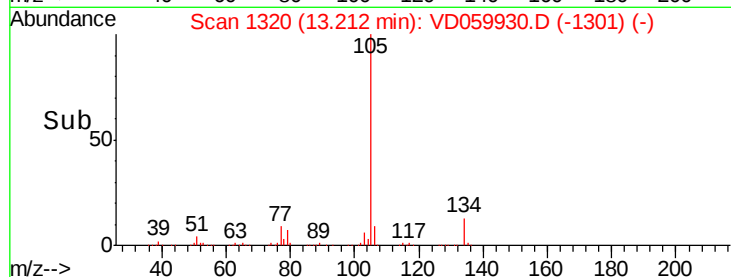
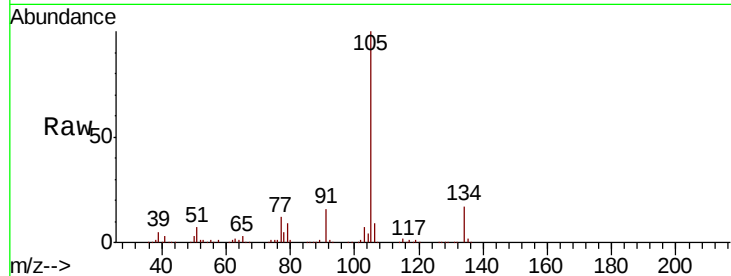
#85
 sec-Butylbenzene
 Concen: 20.12 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0831SBS01

Tot Ion:105 Resp: 1085434
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.2 24.4

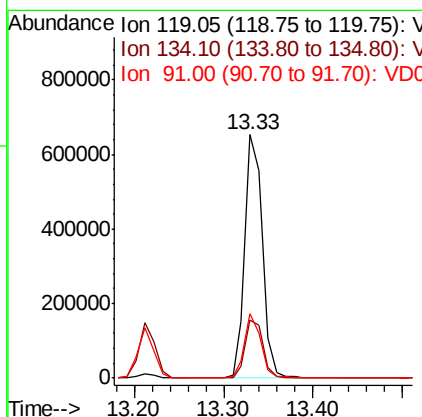
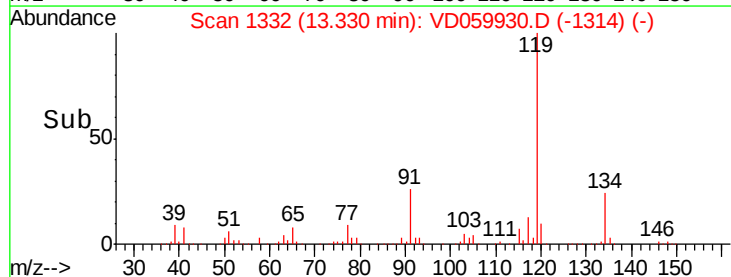
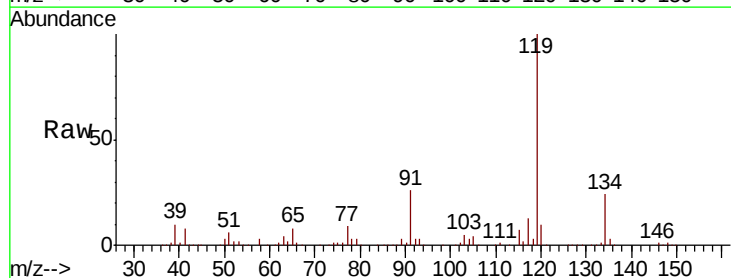
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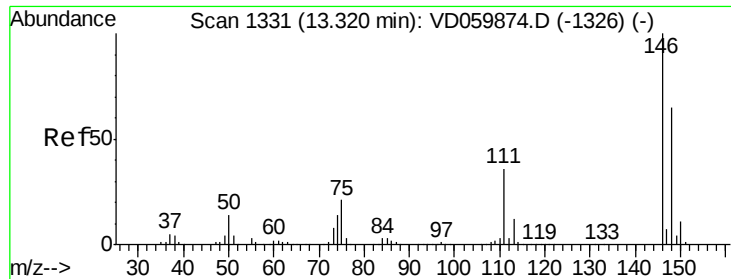
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#86
 p-Isopropyltoluene
 Concen: 20.25 ug/l
 RT: 13.33 min Scan# 1332
 Delta R.T. -0.02 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Tgt Ion:119 Resp: 888179
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.7 38.1
 91 26.4 11.7 35.0





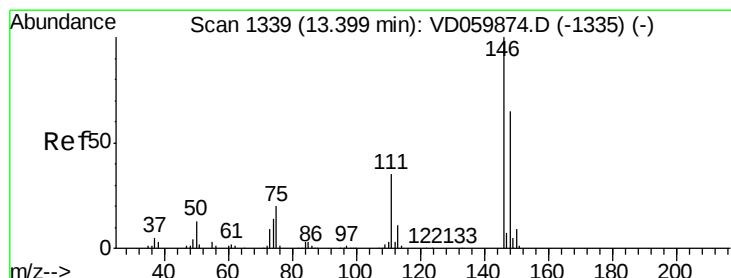
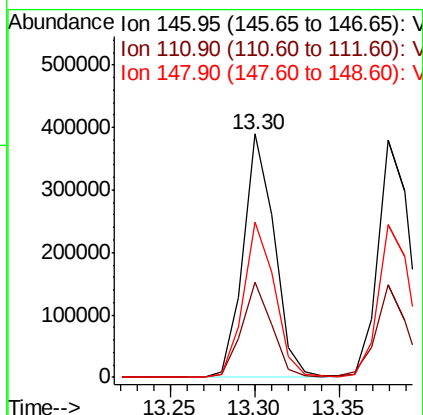
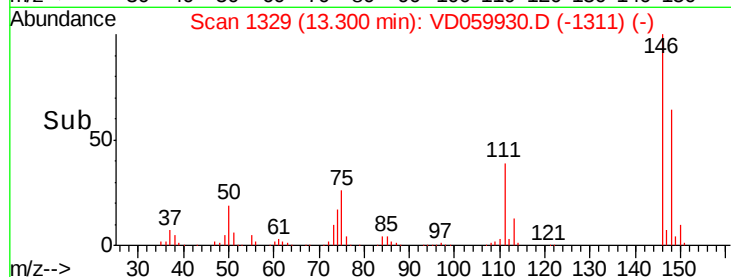
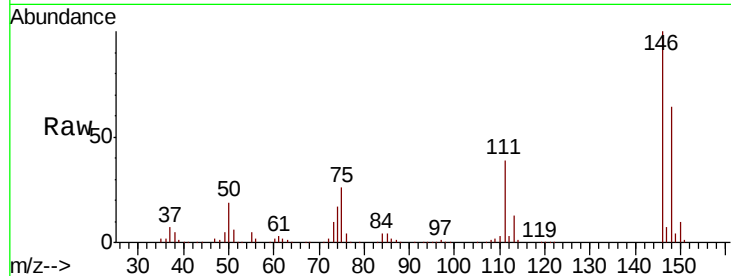
#87
 1,3-Dichlorobenzene
 Concen: 19.99 ug/l
 RT: 13.30 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	501078		
111	38.9	17.9	53.7	
148	63.7	32.4	97.0	

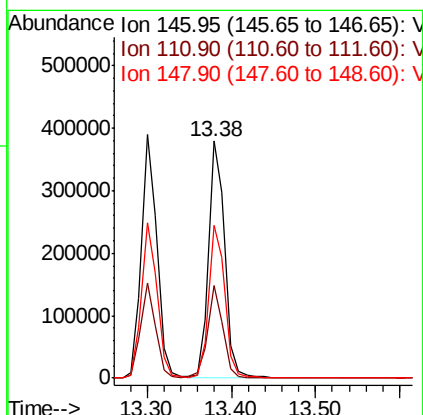
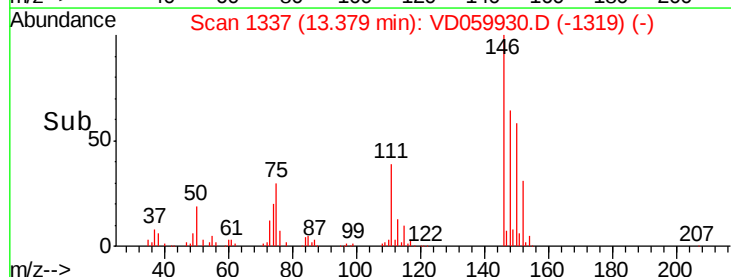
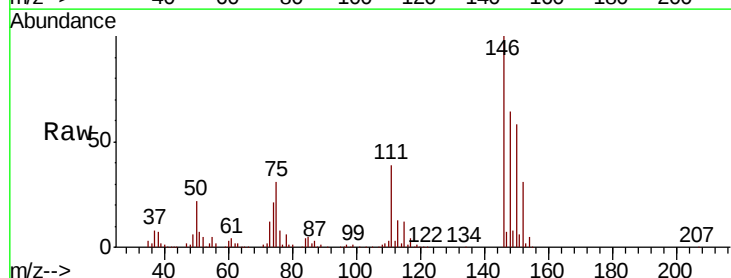
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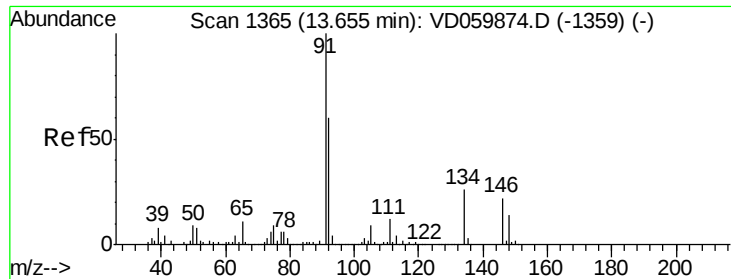
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 20.01 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	500548		
111	38.9	17.5	52.6	
148	64.3	32.5	97.5	





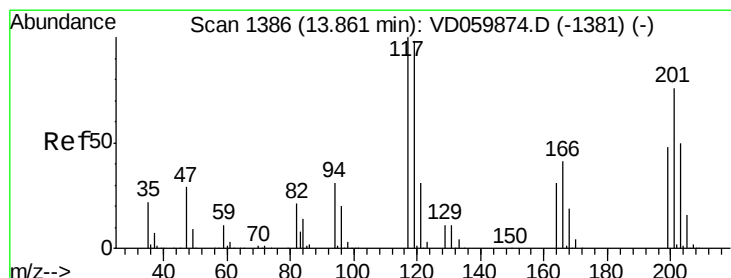
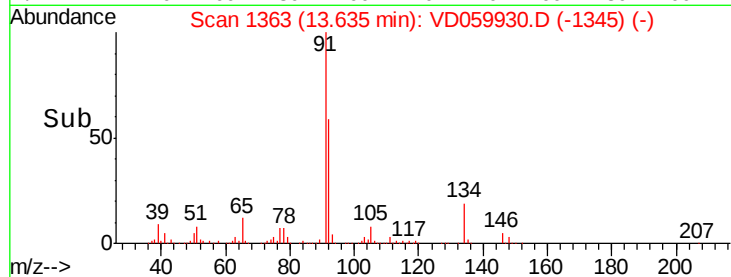
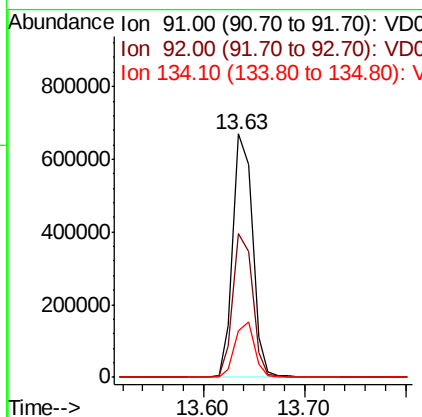
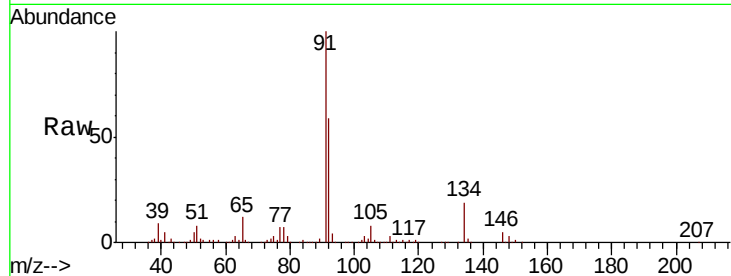
#89
n-Butylbenzene
Concen: 19.10 ug/l
RT: 13.63 min Scan# 1363
Delta R.T. -0.02 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	911900		
92	59.1	30.0	90.1	
134	19.3	12.8	38.4	

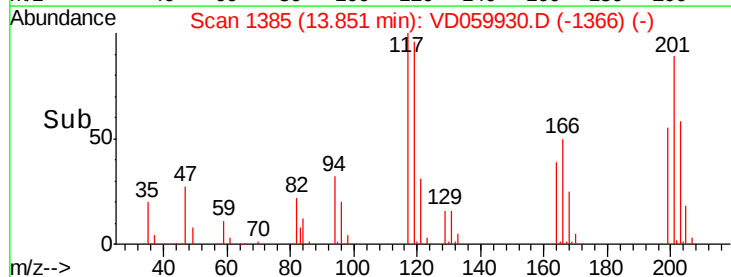
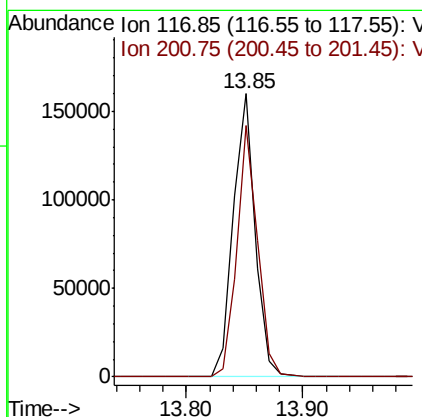
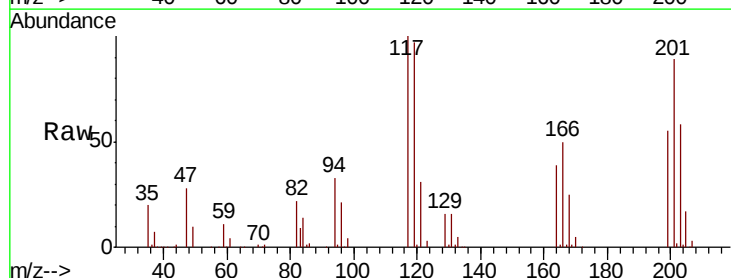
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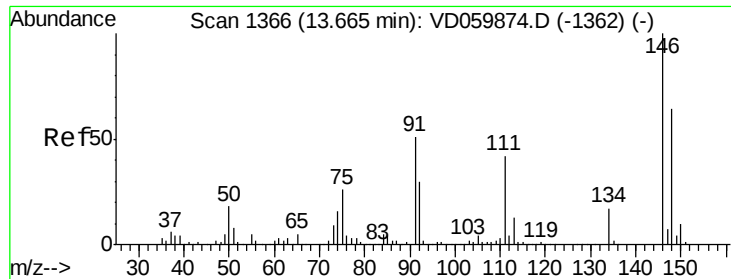
apatel
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#90
Hexachloroethane
Concen: 17.66 ug/l
RT: 13.85 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	208076		
201	88.6	38.1	114.5	





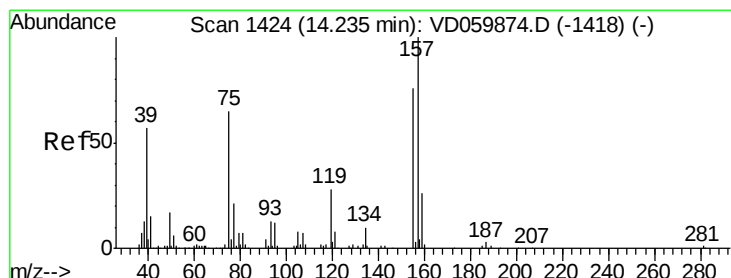
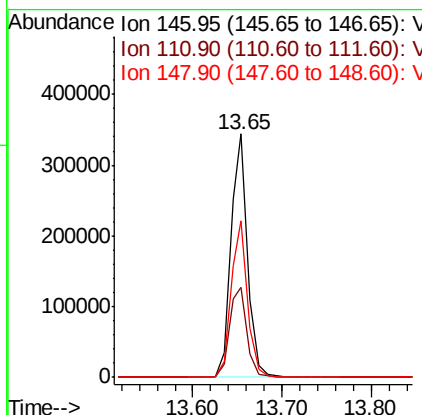
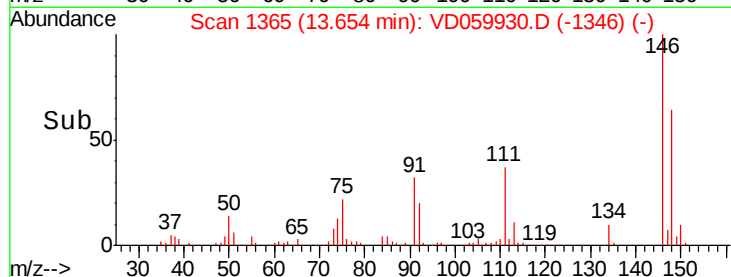
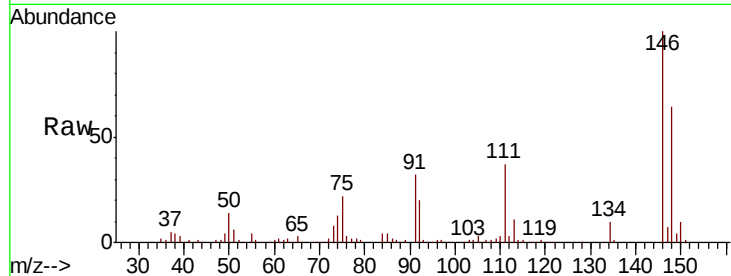
#91
 1,2-Dichlorobenzene
 Concen: 21.36 ug/l
 RT: 13.65 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	21.1	63.1
148	64.3	32.2	96.6

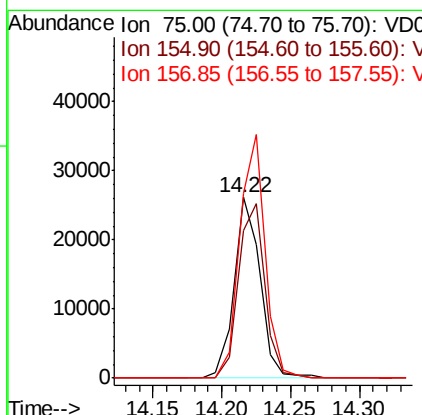
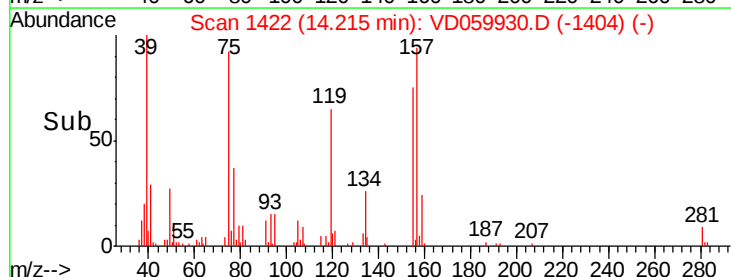
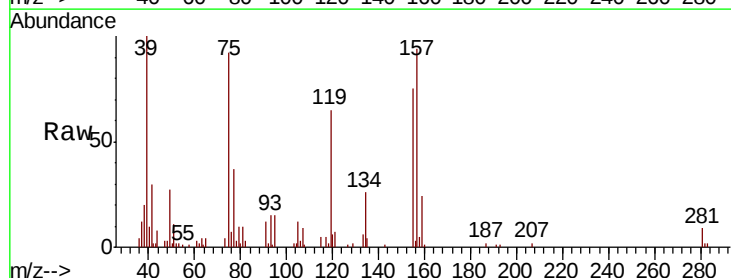
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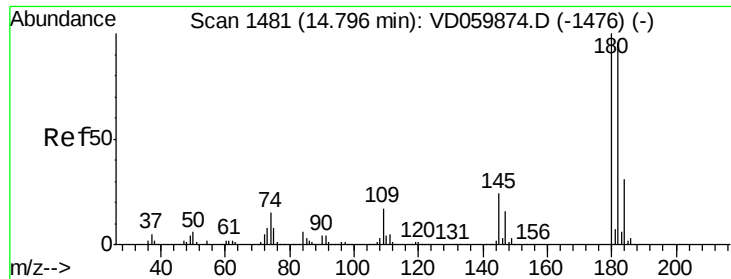
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.02 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	58.2	174.6
157	102.2	76.8	230.4





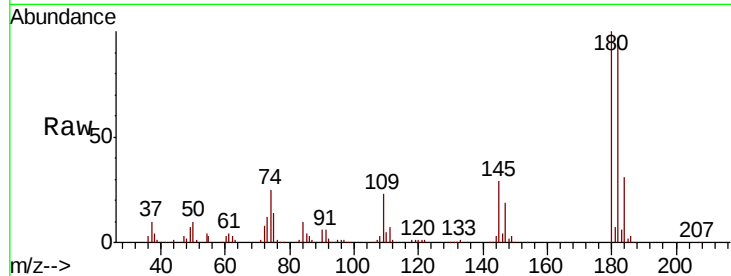
#93
 1,2,4-Trichlorobenzene
 Concen: 19.81 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.02 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	361508		
182	96.7	47.9	143.7	
145	29.2	12.2	36.4	

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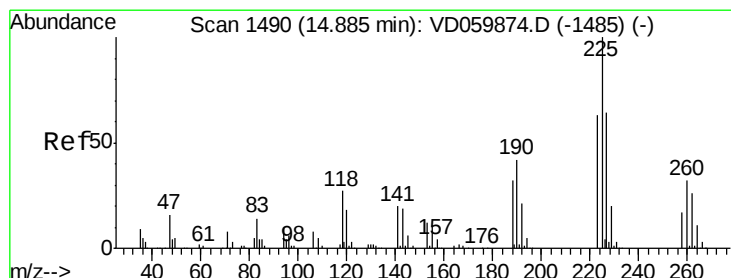
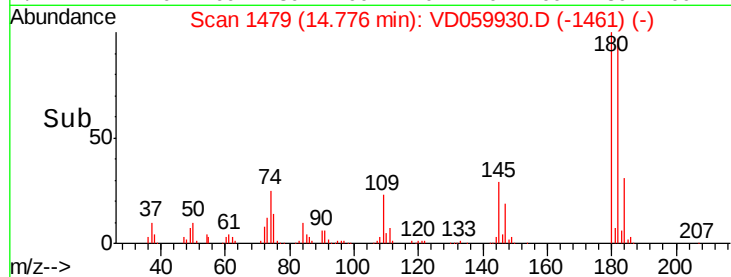
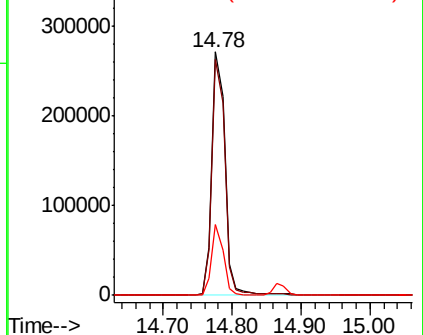


Abundance

Ion 179.85 (179.55 to 180.55): V

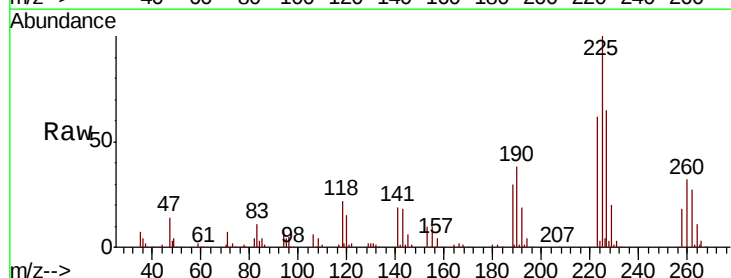
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 19.97 ug/l
 RT: 14.87 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: VD059930.D
 Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	238960		
223	61.7	31.6	94.8	
227	65.1	32.0	96.0	

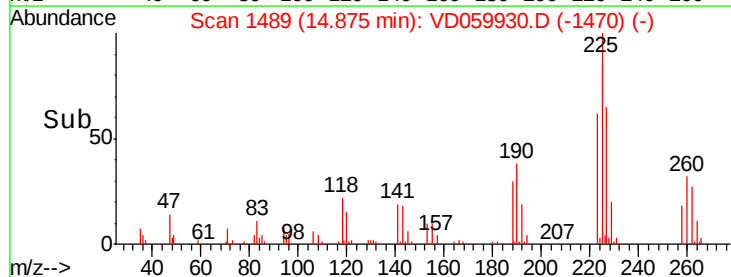
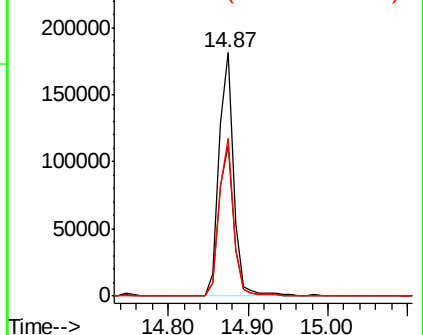


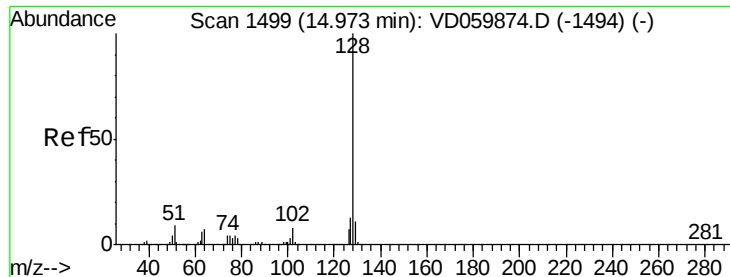
Abundance

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





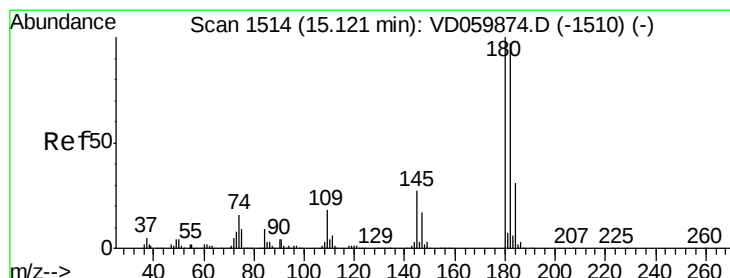
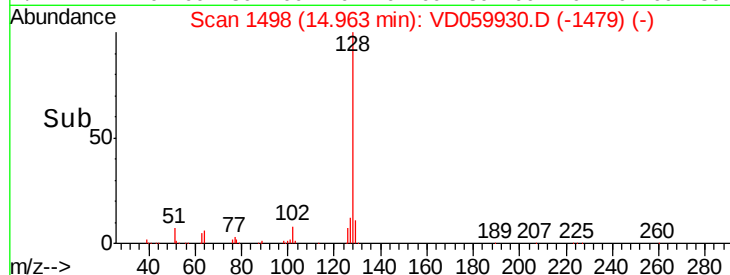
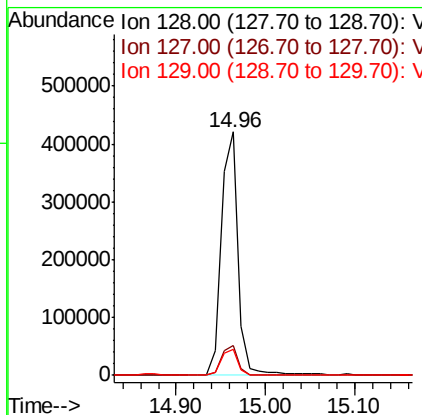
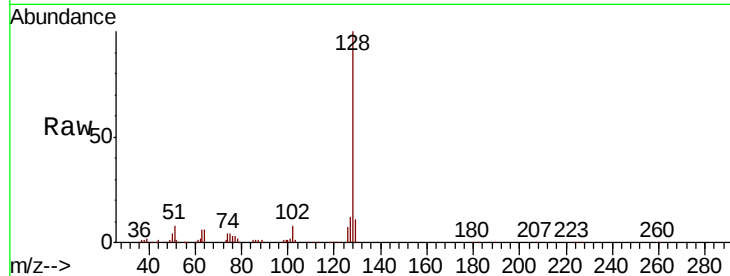
#95
Naphthalene
Concen: 20.04 ug/l
RT: 14.96 min Scan# 1498
Delta R.T. -0.01 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0831SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	558930		
127	12.1	10.0	15.0	
129	10.8	8.6	13.0	

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#96
1,2,3-Trichlorobenzene
Concen: 19.62 ug/l
RT: 15.11 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VD059930.D
Acq: 31 Aug 2018 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	306210		
182	97.0	48.6	145.8	
145	24.9	13.6	40.8	

