

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD083018\
 Data File : VD059924.D
 Acq On : 30 Aug 2018 13:32
 Operator : JC/SY
 Sample : VD0830SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Manual Integrations
 APPROVED

apatel
 8/31/2018 12:29:48 PM

Quant Time: Aug 30 18:17:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1169901	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	1590621	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.28	117	1349465	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	725270	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	476167	48.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	6.30	113	639556	51.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	9.44	98	1746924	50.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.42	95	670026	47.67	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	168779	16.14	ug/l	96
3) Chloromethane	1.73	50	152030	16.05	ug/l	99
4) Vinyl Chloride	1.82	62	120808	16.26	ug/l	97
5) Bromomethane	2.11	94	11907	9.28	ug/l	81
6) Chloroethane	2.22	64	29975	11.18	ug/l	94
7) Trichlorofluoromethane	2.47	101	149883	17.44	ug/l	96
8) Diethyl Ether	2.80	74	32129	16.66	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.05	101	101065	19.20	ug/l	97
10) Methyl Iodide	3.21	142	78777	16.54	ug/l	98
11) Tert butyl alcohol	3.96	59	80822	107.42	ug/l	96
12) 1,1-Dichloroethene	3.04	96	77054	18.81	ug/l	93
13) Acrolein	2.95	56	18544	56.83	ug/l	93
14) Allyl chloride	3.50	41	176598	19.05	ug/l	98
15) Acrylonitrile	4.06	53	261936	92.97	ug/l	99
16) Acetone	3.13	43	153082	85.21	ug/l	100
17) Carbon Disulfide	3.28	76	186359	14.65	ug/l	100
18) Methyl Acetate	3.52	43	67140	17.90	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	425001	18.34	ug/l	99
20) Methylene Chloride	3.68	84	269916	20.30	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	195901	17.35	ug/l	98
22) Diisopropyl ether	4.83	45	891581	18.86	ug/l	96
23) Vinyl Acetate	4.77	43	2580743	97.66	ug/l	100
24) 1,1-Dichloroethane	4.72	63	389035	19.05	ug/l	100
25) 2-Butanone	5.60	43	458740	86.22	ug/l	99
26) 2,2-Dichloropropane	5.56	77	325323	19.06	ug/l	99
27) cis-1,2-Dichloroethene	5.57	96	237511	19.22	ug/l	94
28) Bromochloromethane	5.91	49	202703	20.71	ug/l	92
29) Tetrahydrofuran	5.94	42	242410	95.70	ug/l	99
30) Chloroform	6.08	83	399361	19.24	ug/l	98
31) Cyclohexane	6.34	56	314852	16.77	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	325223	18.46	ug/l	99
36) 1,1-Dichloropropene	6.50	75	270977	18.79	ug/l	99
37) Ethyl Acetate	5.68	43	203940	18.18	ug/l	98
38) Carbon Tetrachloride	6.48	117	276821	19.02	ug/l	99

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 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	270762	17.38	ug/l	96
40) Benzene	6.77	78	716265	19.10	ug/l	99
41) Methacrylonitrile	5.90	41	121225m	21.45	ug/l	
42) 1,2-Dichloroethane	6.88	62	228616	18.99	ug/l	99
43) Isopropyl Acetate	8.34	43	282939	19.38	ug/l #	96
44) Trichloroethene	7.73	130	218532	19.80	ug/l	98
45) 1,2-Dichloropropane	8.09	63	200762	19.16	ug/l	99
46) Dibromomethane	8.20	93	130087	19.31	ug/l	97
47) Bromodichloromethane	8.47	83	296882	19.46	ug/l	100
48) Methyl methacrylate	8.23	41	159575	18.75	ug/l	98
49) 1,4-Dioxane	8.22	88	30346	399.45	ug/l	92
51) 4-Methyl-2-Pentanone	9.33	43	957288	87.97	ug/l	96
52) Toluene	9.54	92	470770	19.58	ug/l	97
53) t-1,3-Dichloropropene	9.91	75	272957	19.35	ug/l	98
54) cis-1,3-Dichloropropene	9.09	75	309064	18.89	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	171815	19.55	ug/l	95
56) Ethyl methacrylate	10.02	69	198252	19.55	ug/l	100
57) 1,3-Dichloropropane	10.37	76	255660	20.10	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	554233	113.91	ug/l	99
59) 2-Hexanone	10.48	43	714028	88.96	ug/l	96
60) Dibromochloromethane	10.63	129	212790	19.26	ug/l	99
61) 1,2-Dibromoethane	10.75	107	173080	19.48	ug/l	100
64) Tetrachloroethene	10.25	164	197263	18.91	ug/l	97
65) Chlorobenzene	11.31	112	537105	20.03	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.42	131	198165	20.23	ug/l	97
67) Ethyl Benzene	11.43	91	934496	20.71	ug/l	99
68) m/p-Xylenes	11.56	106	674891	41.09	ug/l	97
69) o-Xylene	11.93	106	325641	20.27	ug/l	92
70) Styrene	11.95	104	570521	20.51	ug/l	96
71) Bromoform	12.12	173	157956	18.63	ug/l #	98
73) Isopropylbenzene	12.27	105	918656	19.84	ug/l	99
74) N-amyl acetate	12.13	43	379912	18.74	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	205261	19.17	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	213911	18.98	ug/l	99
77) Bromobenzene	12.54	156	251500	19.59	ug/l	87
78) n-propylbenzene	12.64	91	1168253	19.93	ug/l	99
79) 2-Chlorotoluene	12.71	91	636149	19.19	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	734549	19.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	58539	16.69	ug/l	97
82) 4-Chlorotoluene	12.80	91	733101	19.39	ug/l	94
83) tert-Butylbenzene	13.04	119	810686	19.33	ug/l	93
84) 1,2,4-Trimethylbenzene	13.09	105	731689	19.07	ug/l	98
85) sec-Butylbenzene	13.22	105	952408	19.32	ug/l	99
86) p-Isopropyltoluene	13.34	119	805485	20.09	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	444334	19.39	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	456464	19.96	ug/l	96
89) n-Butylbenzene	13.64	91	824784	18.88	ug/l	97
90) Hexachloroethane	13.86	117	187826	17.44	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	407281	20.90	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	29441	17.88	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	337906	20.25	ug/l	97
94) Hexachlorobutadiene	14.88	225	225083	20.58	ug/l	98
95) Naphthalene	14.97	128	485422	19.04	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	282858	19.82	ug/l	99

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

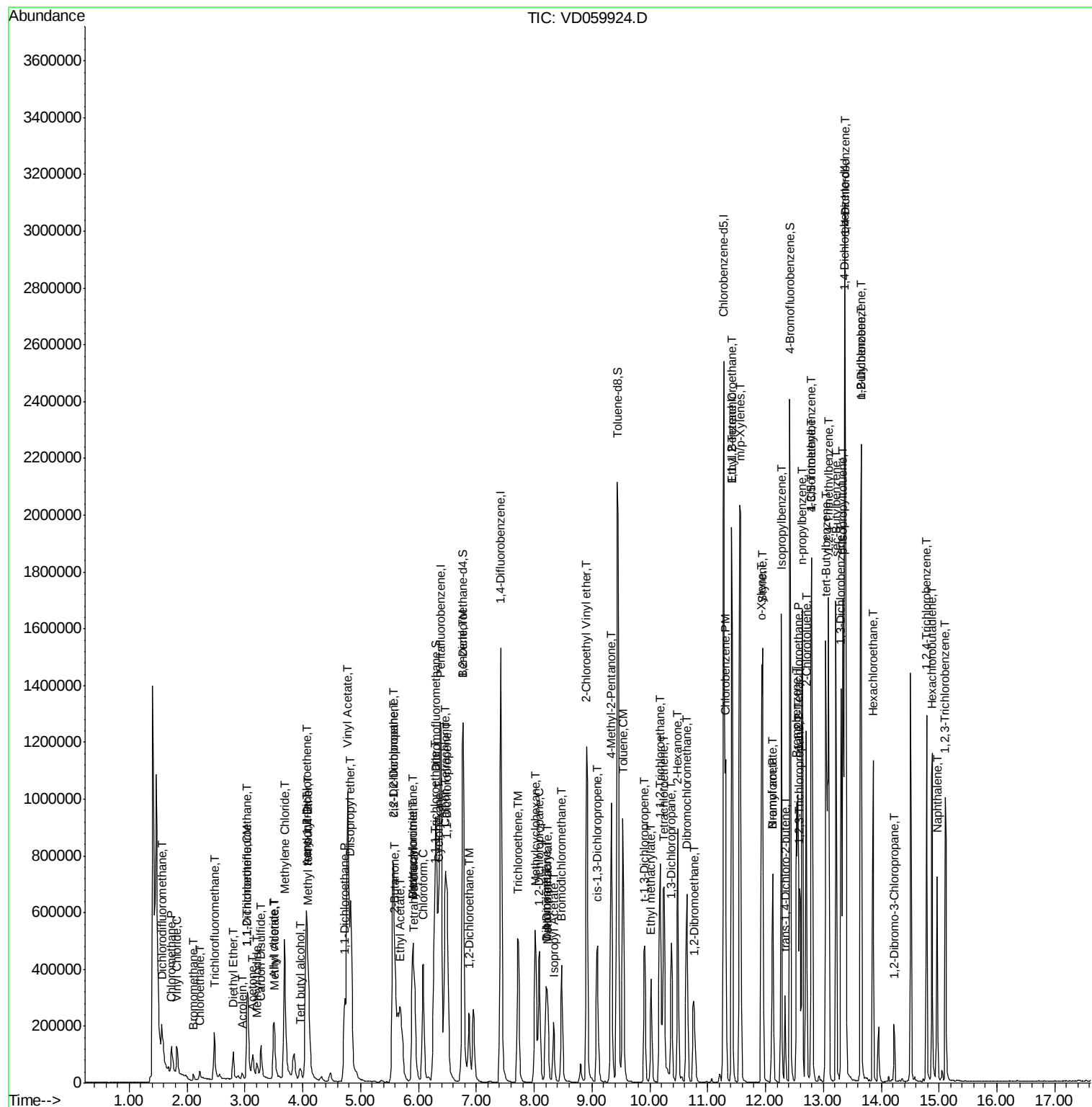
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Data File : VD059924.D
Acq On : 30 Aug 2018 13:32
Operator : JC/SY
Sample : VD0830SBS01
Misc : 5.00µl/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

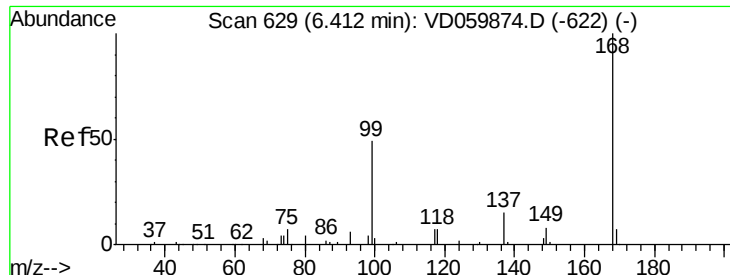
Instrument :
MSVOA_D
ClientSampleID :
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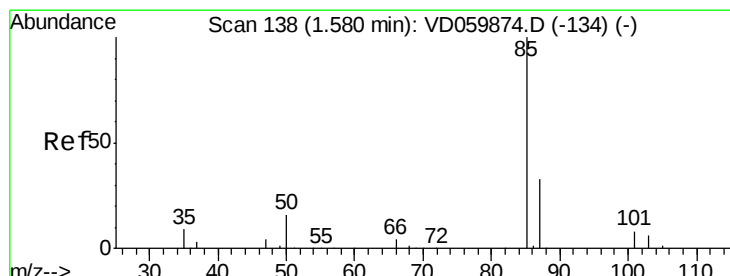
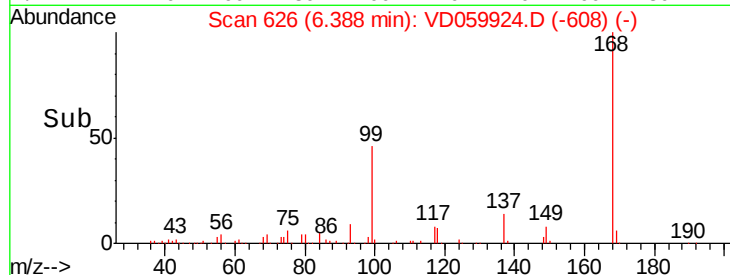
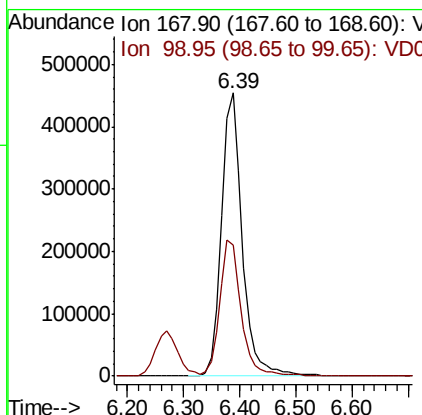
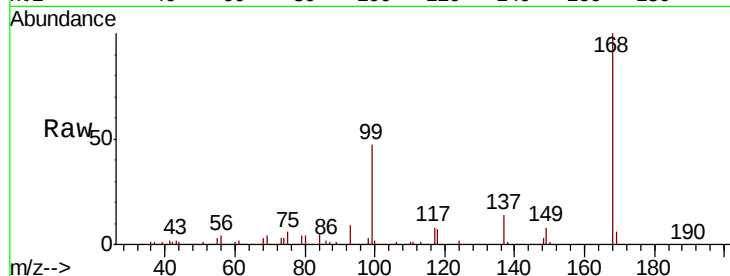
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 6.39 min Scan# 626
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBSD01

Tot Ion:168 Resp: 1169901
Ion Ratio Lower Upper
168 100
99 46.5 42.2 63.2

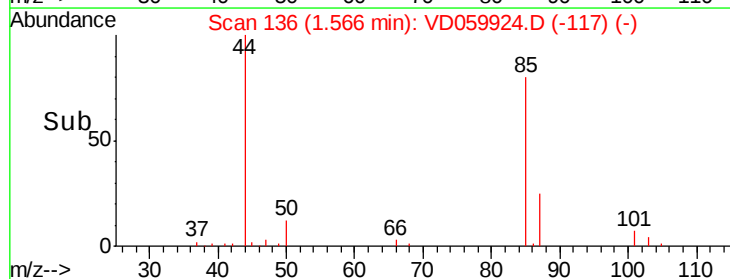
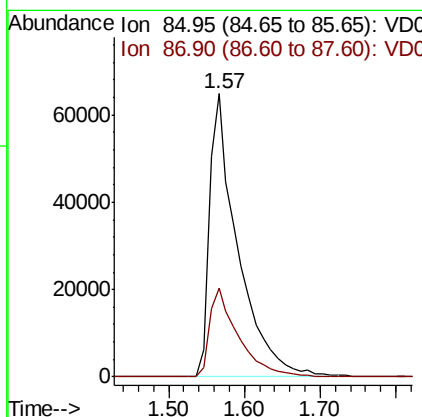
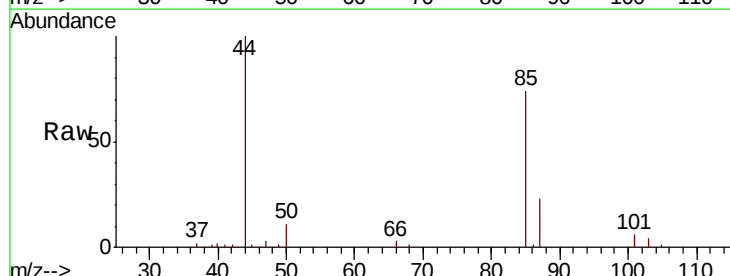
Manual Integrations
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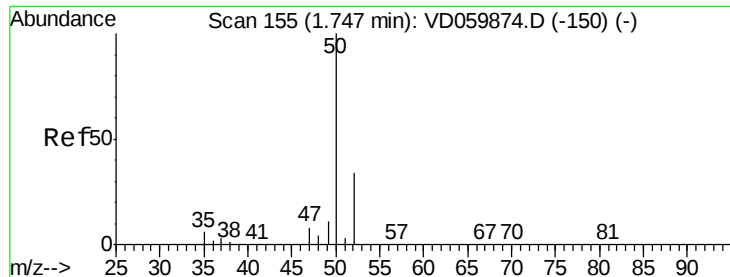
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#2
Dichlorodifluoromethane
Concen: 16.14 ug/l
RT: 1.57 min Scan# 136
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion: 85 Resp: 168779
Ion Ratio Lower Upper
85 100
87 31.5 16.8 50.3





#3

Chloromethane

Concen: 16.05 ug/l

RT: 1.73 min Scan# 153

Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 50 Resp: 152030

Ion Ratio Lower Upper

50 100

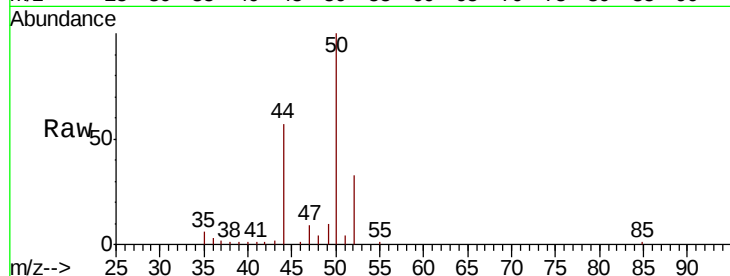
52 33.2 27.0 40.6

Manual Integrations

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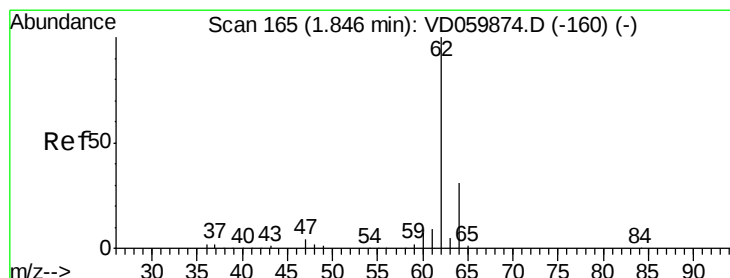
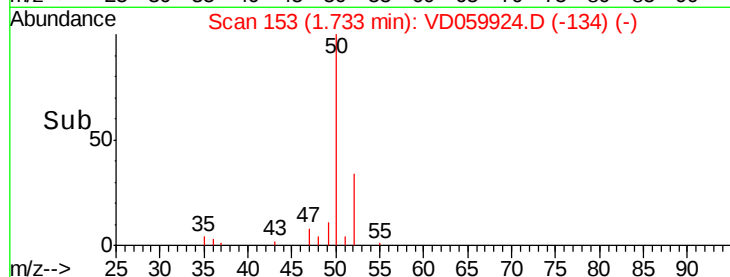
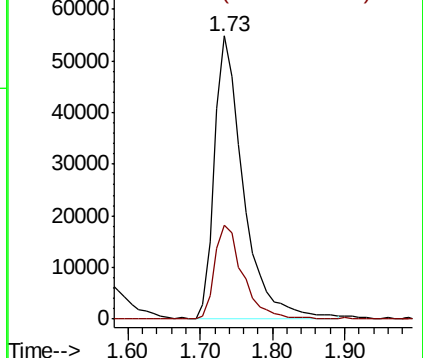
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 16.26 ug/l

RT: 1.82 min Scan# 162

Delta R.T. -0.02 min

Lab File: VD059924.D

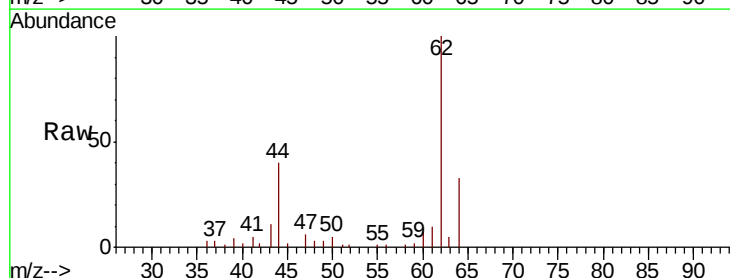
Acq: 30 Aug 2018 13:32

Tgt Ion: 62 Resp: 120808

Ion Ratio Lower Upper

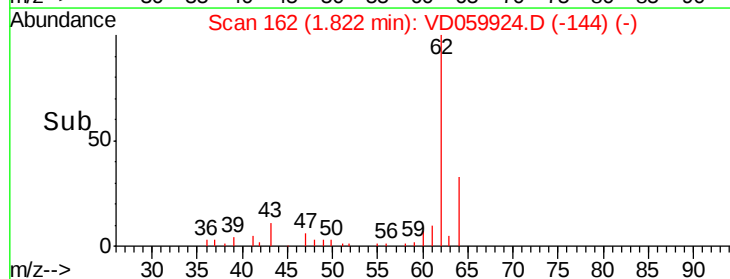
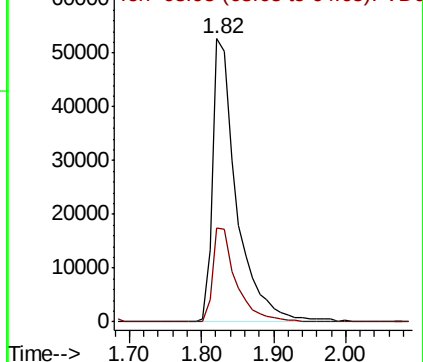
62 100

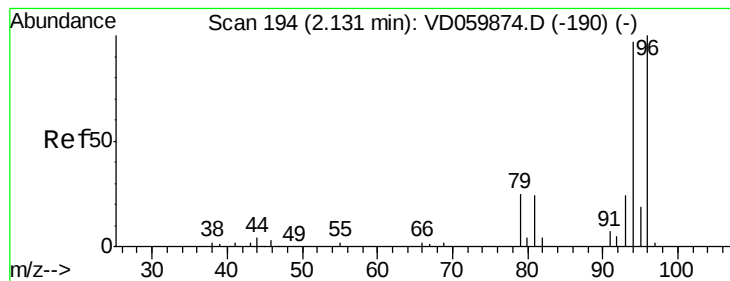
64 33.0 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 9.28 ug/l

RT: 2.11 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

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Tot Ion: 94 Resp: 11907

Ion Ratio Lower Upper

94 100

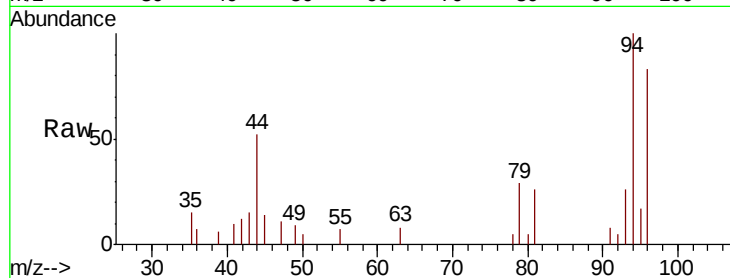
96 83.4 82.4 123.6

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

8000

6000

4000

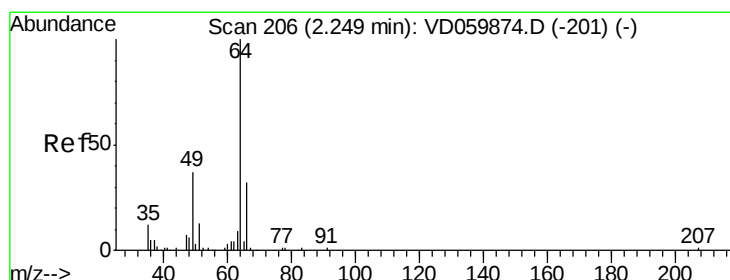
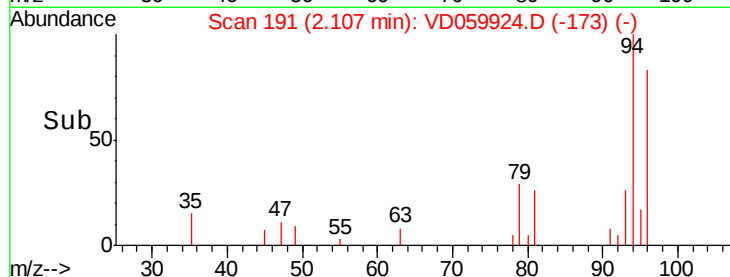
2000

0

Time-->

2.05 2.10 2.15 2.20

2.11



#6

Chloroethane

Concen: 11.18 ug/l

RT: 2.22 min Scan# 202

Delta R.T. -0.03 min

Lab File: VD059924.D

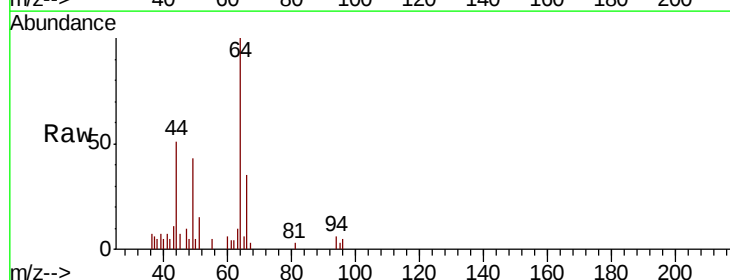
Acq: 30 Aug 2018 13:32

Tgt Ion: 64 Resp: 29975

Ion Ratio Lower Upper

64 100

66 35.0 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

10000

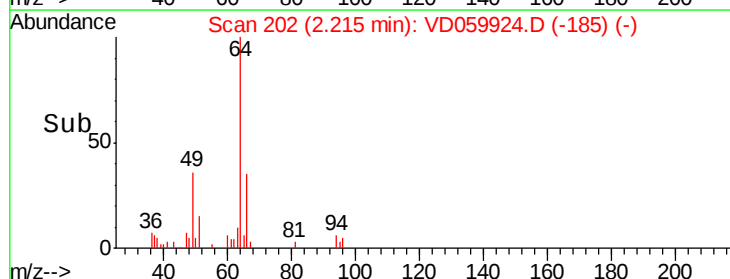
5000

0

Time-->

2.10 2.20 2.30 2.40

2.22





#7

Trichlorofluoromethane

Concen: 17.44 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBSD01

Tot Ion:101 Resp: 149883

Ion Ratio Lower Upper

101 100

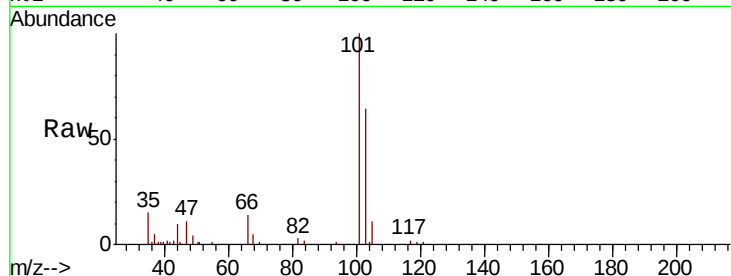
103 63.6 53.7 80.5

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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.47

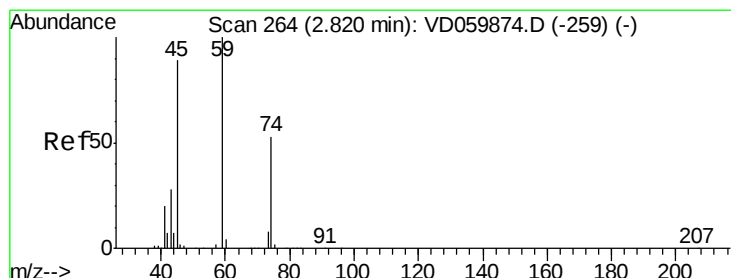
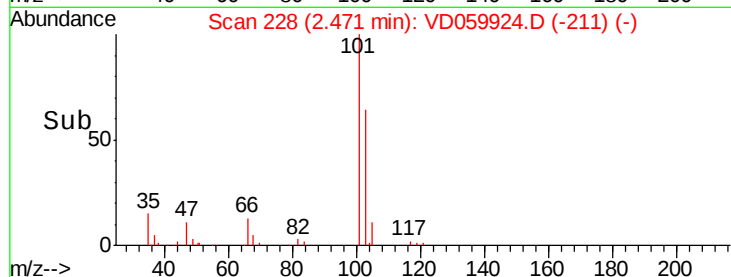
60000

40000

20000

0

Time--> 2.30 2.40 2.50 2.60 2.70



#8

Diethyl Ether

Concen: 16.66 ug/l

RT: 2.80 min Scan# 261

Delta R.T. -0.02 min

Lab File: VD059924.D

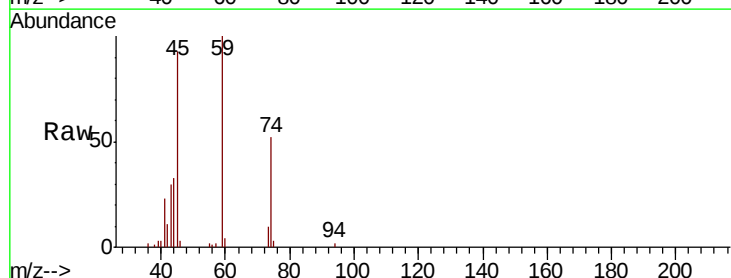
Acq: 30 Aug 2018 13:32

Tgt Ion: 74 Resp: 32129

Ion Ratio Lower Upper

74 100

45 178.0 85.7 257.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

30000

25000

20000

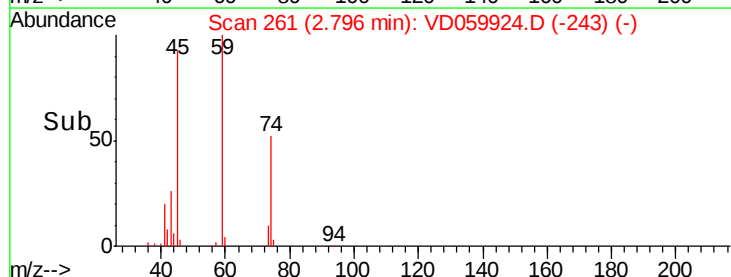
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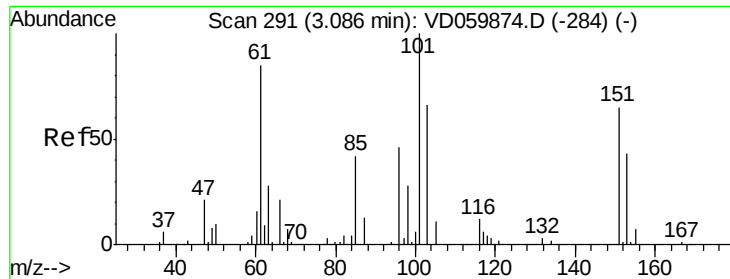
10000

5000

0

Time--> 2.70 2.80 2.90





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.20 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.03 min

Lab File: VD059924.D

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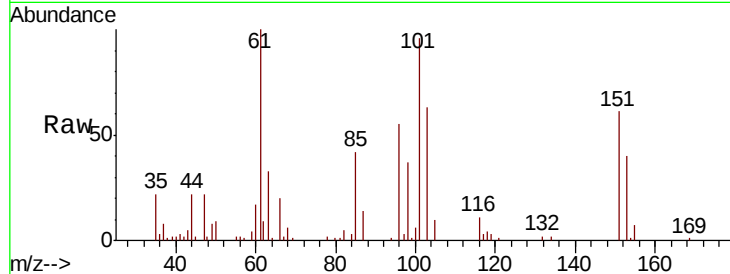
ClientSampleId :

VD0830SBS01

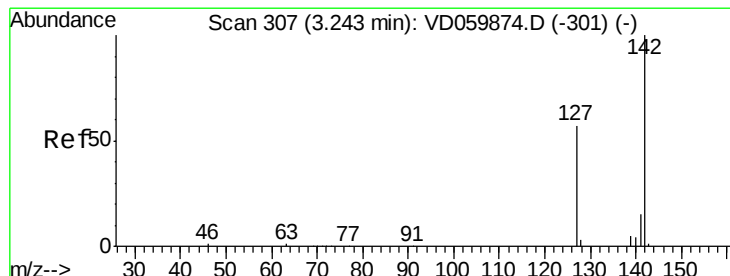
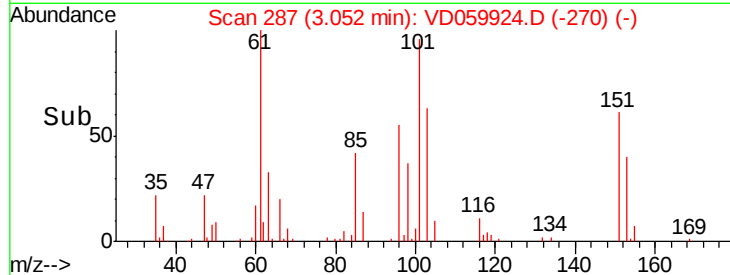
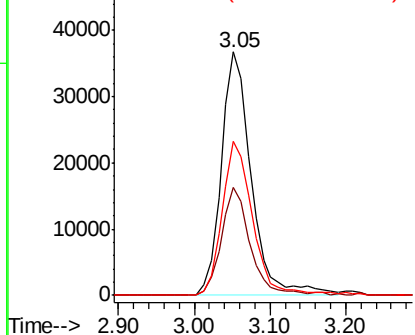
Tot Ion:	101	Resp:	101065
Ion Ratio	Lower	Upper	
101	100		
85	44.3	33.6	50.4
151	63.4	52.0	78.0

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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: 16.54 ug/l

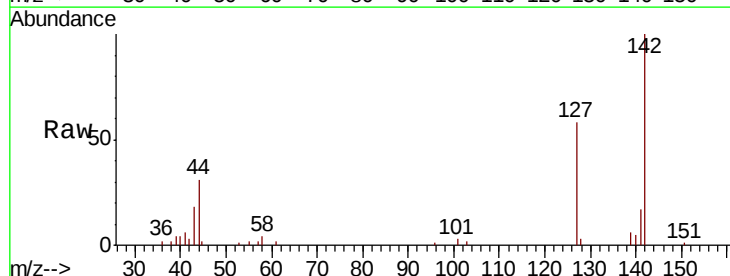
RT: 3.21 min Scan# 303

Delta R.T. -0.03 min

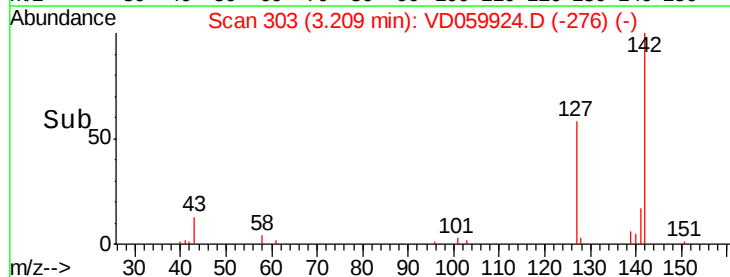
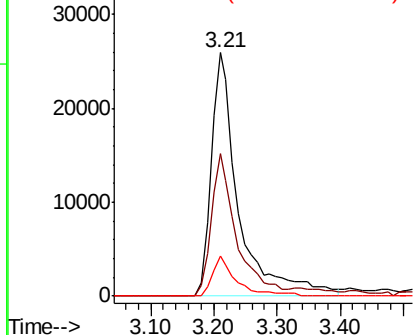
Lab File: VD059924.D

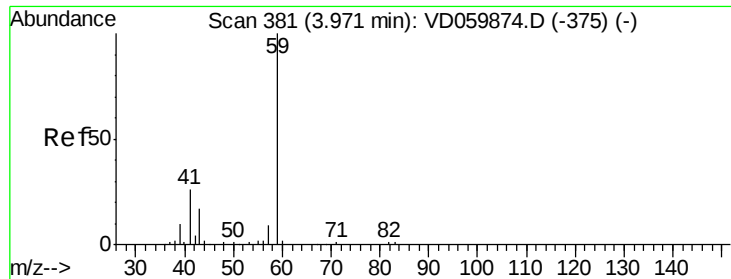
Acq: 30 Aug 2018 13:32

Tgt Ion:	142	Resp:	78777
Ion Ratio	Lower	Upper	
142	100		
127	58.4	45.8	68.6
141	16.6	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





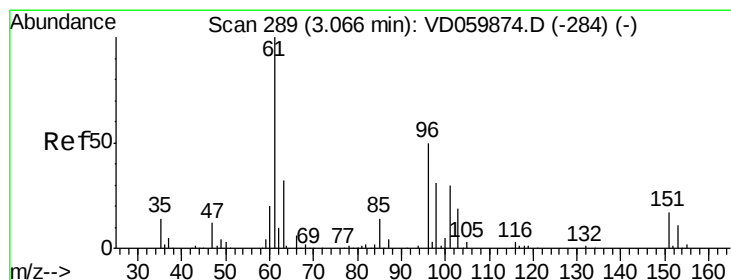
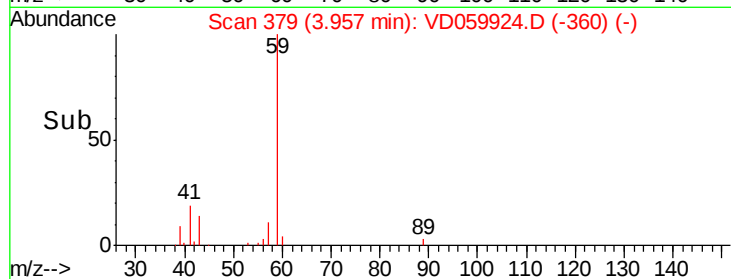
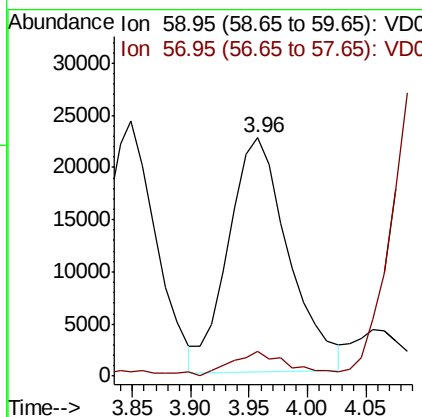
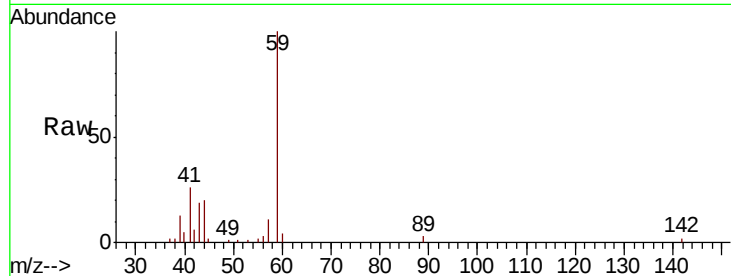
#11
Tert butyl alcohol
Concen: 107.42 ug/l
RT: 3.96 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBSD01

Tot Ion	59	Resp	80822
Ion Ratio	100	Lower	Upper
57	10.6	7.4	11.0

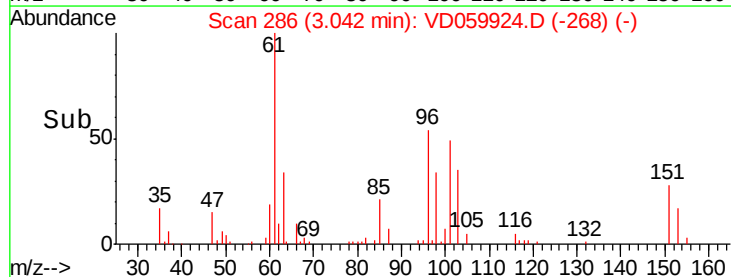
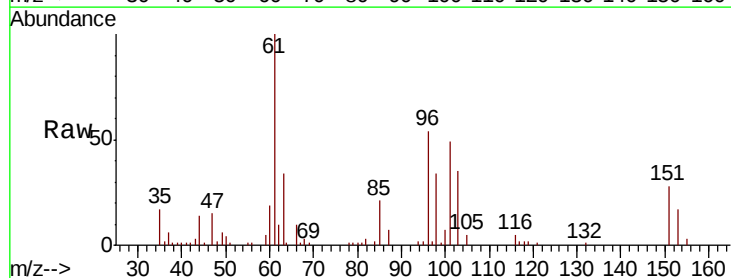
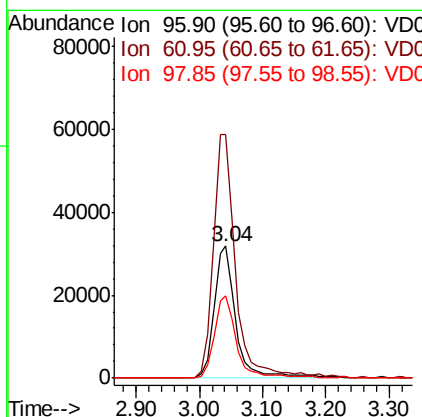
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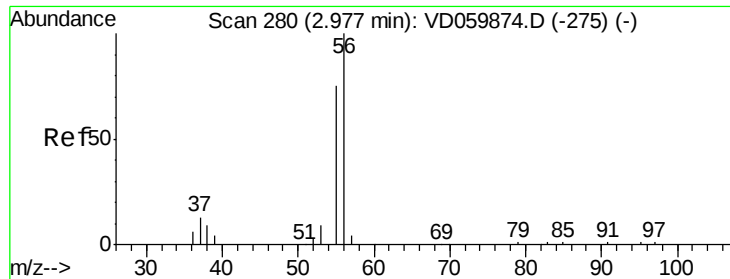
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#12
1,1-Dichloroethene
Concen: 18.81 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	96	Resp	77054
Ion Ratio	100	Lower	Upper
61	184.4	158.8	238.2
98	61.9	48.7	73.1





#13

Acrolein

Concen: 56.83 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 56 Resp: 18544

Ion Ratio Lower Upper

56 100

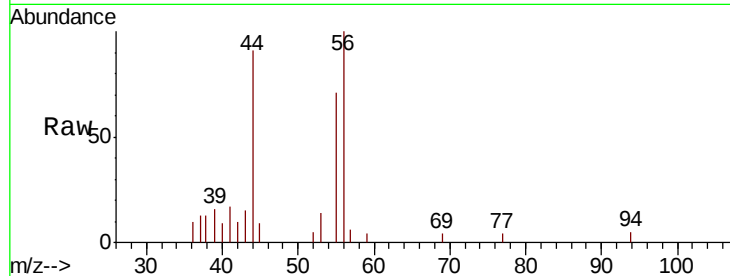
55 71.2 61.9 92.9

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.95

8000

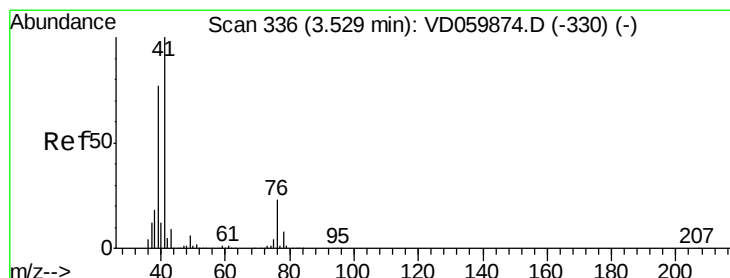
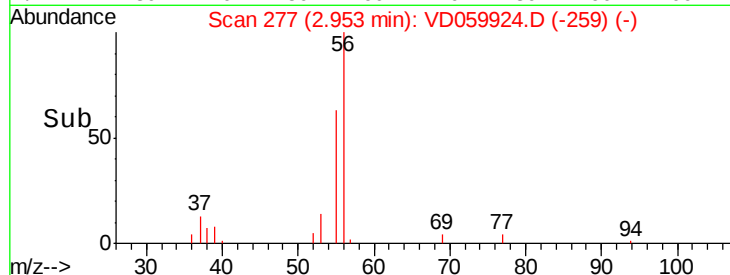
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 19.05 ug/l

RT: 3.50 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

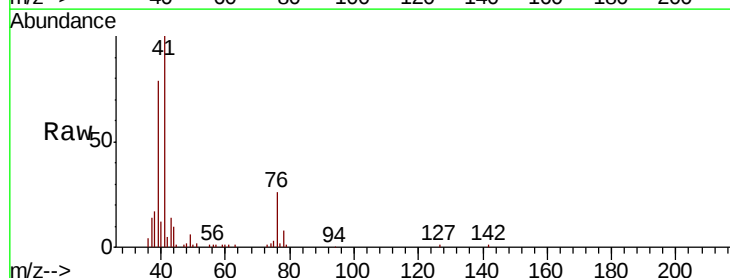
Tgt Ion: 41 Resp: 176598

Ion Ratio Lower Upper

41 100

39 78.7 61.8 92.6

76 25.9 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

3.50

80000

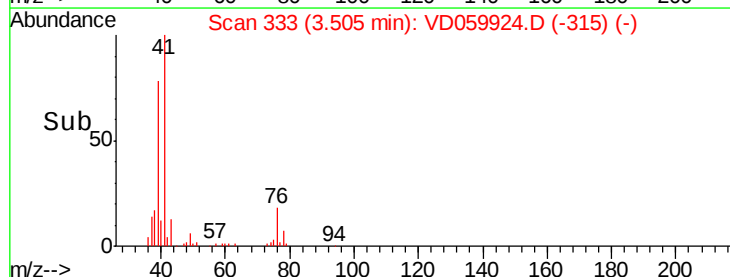
60000

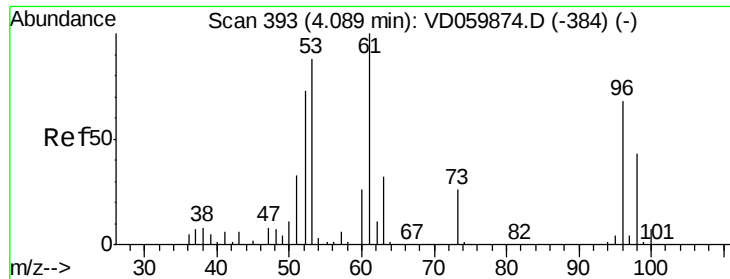
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 92.97 ug/l

RT: 4.06 min Scan# 389

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

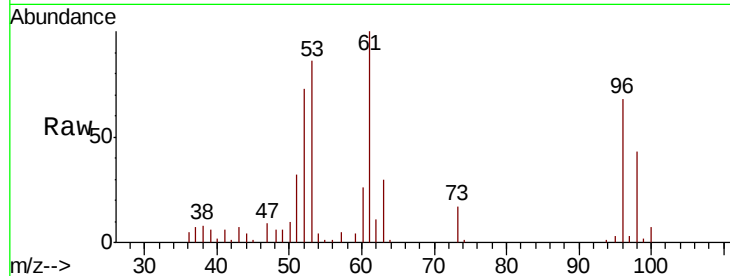
ClientSampleId :

VD0830SBS01

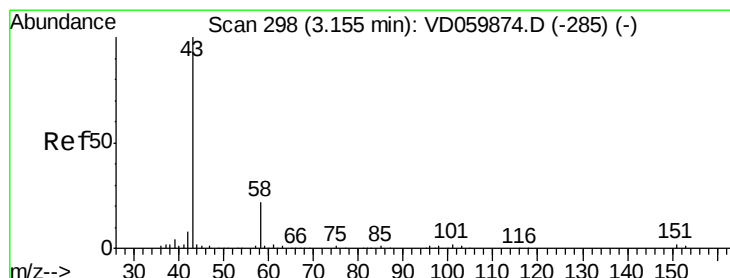
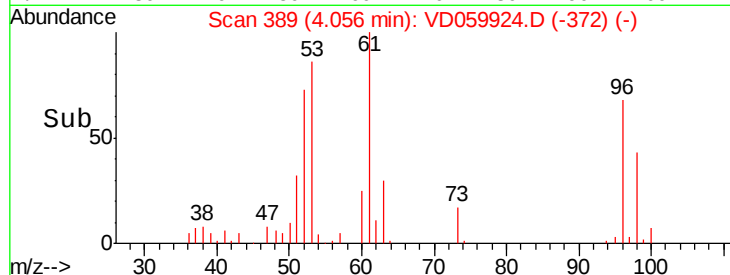
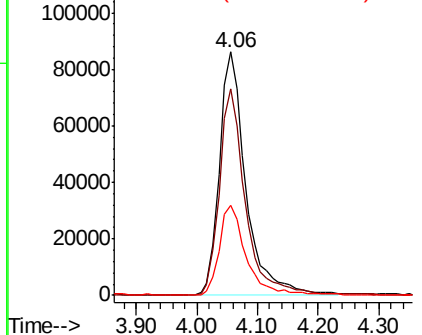
Tot Ion:	53	Resp:	261936
Ion Ratio	Lower	Upper	
53	100		
52	85.0	66.9	100.3
51	37.2	30.3	45.5

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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 85.21 ug/l

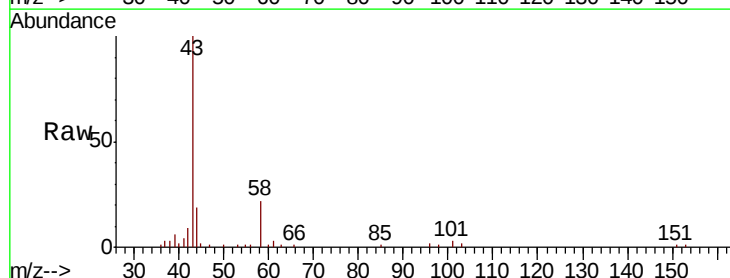
RT: 3.13 min Scan# 295

Delta R.T. -0.02 min

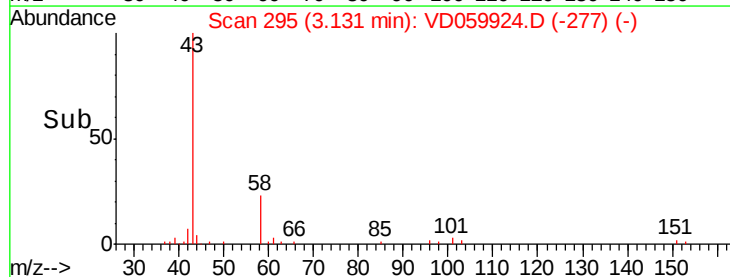
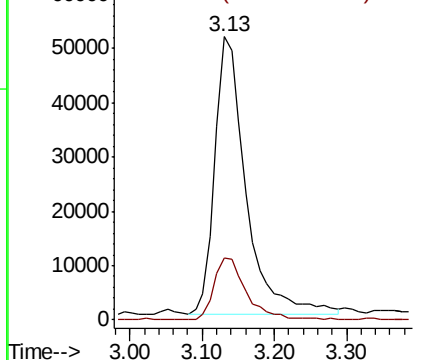
Lab File: VD059924.D

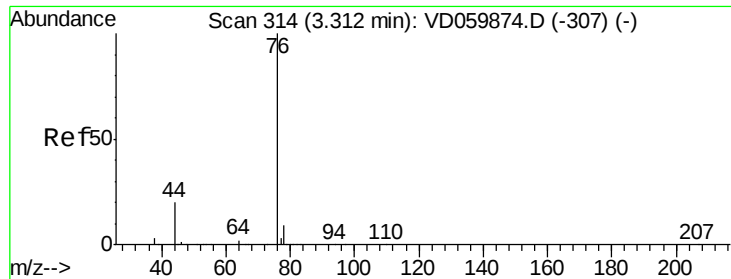
Acq: 30 Aug 2018 13:32

Tgt Ion:	43	Resp:	153082
Ion Ratio	Lower	Upper	
43	100		
58	22.0	17.6	26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





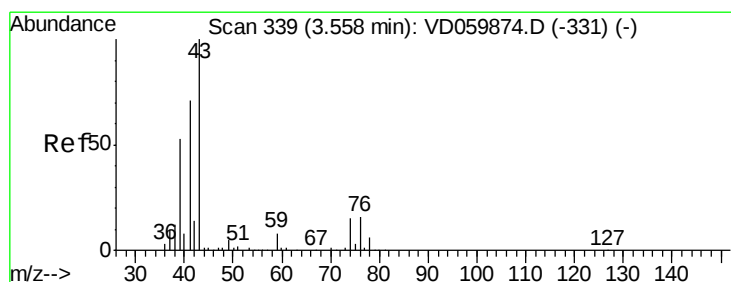
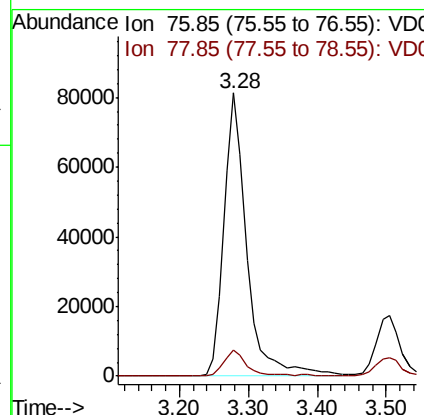
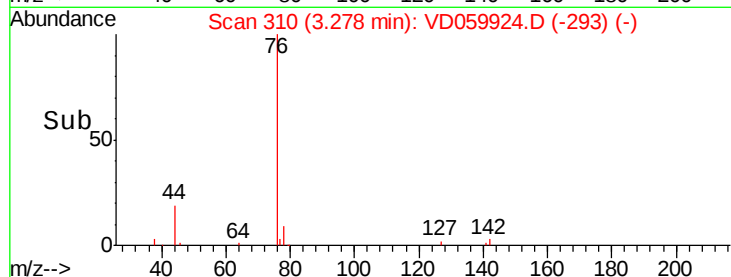
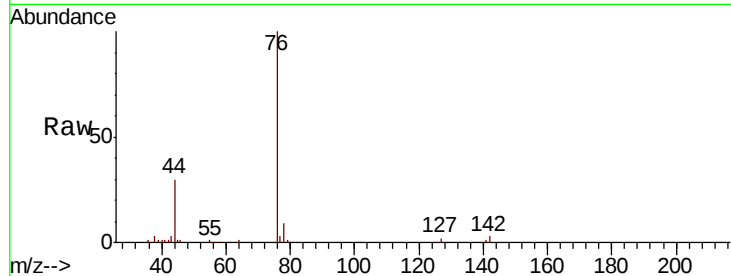
#17
Carbon Disulfide
Concen: 14.65 ug/l
RT: 3.28 min Scan# 310
Delta R.T. -0.03 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

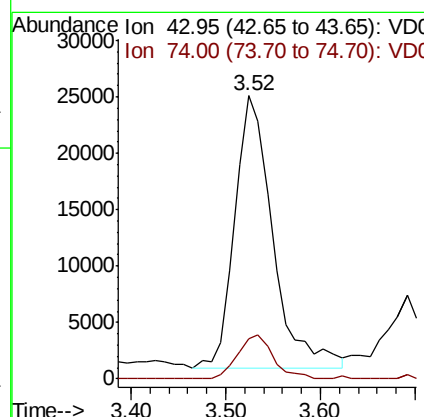
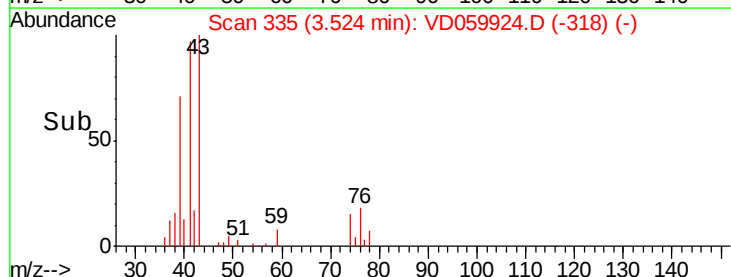
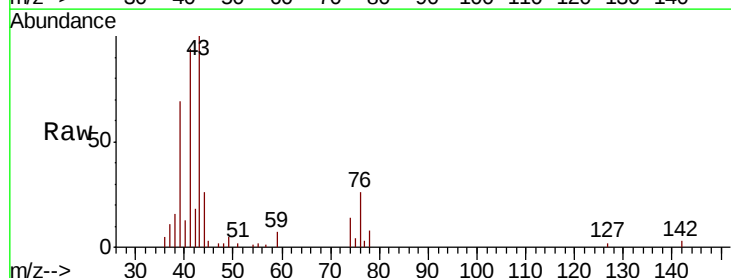
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#18
Methyl Acetate
Concen: 17.90 ug/l
RT: 3.52 min Scan# 335
Delta R.T. -0.03 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.4	11.2	16.8





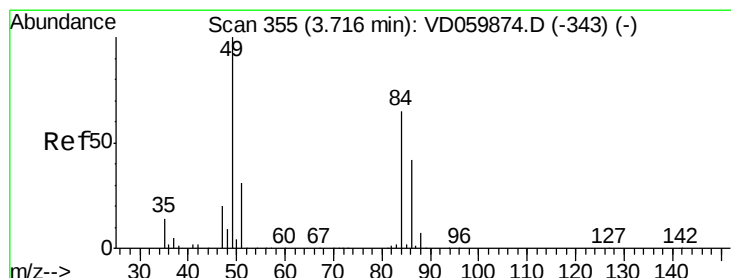
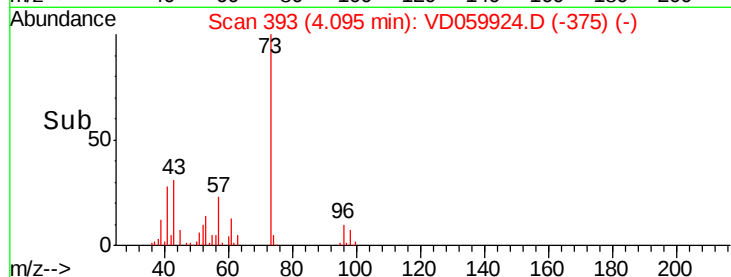
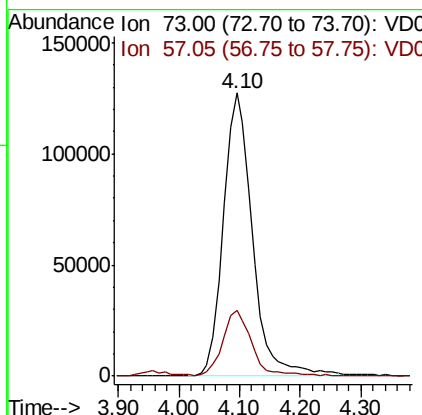
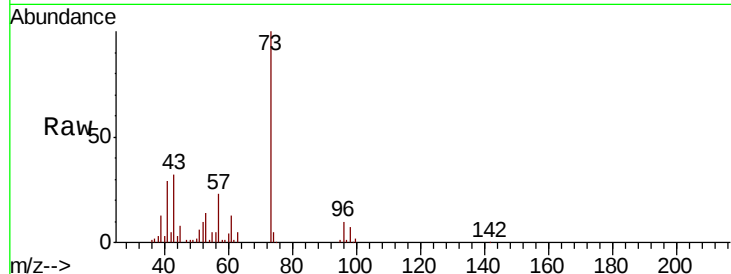
#19
Methyl tert-butyl Ether
Concen: 18.34 ug/l
RT: 4.10 min Scan# 393
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion: 73 Resp: 425001
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9

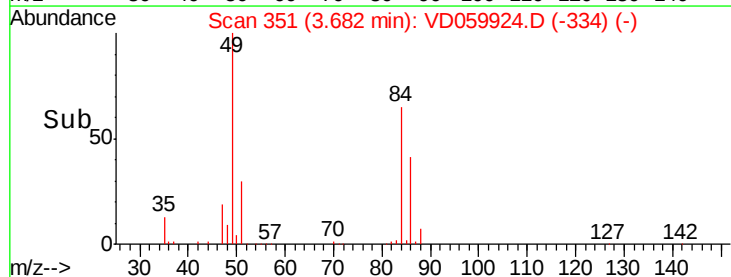
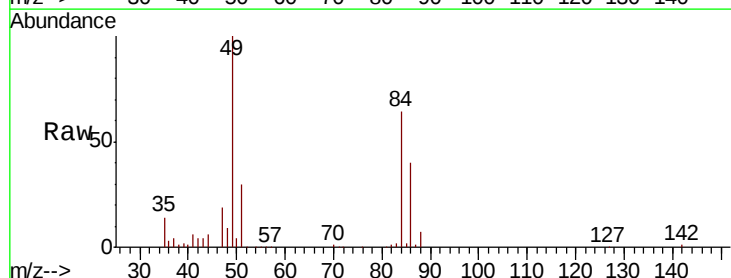
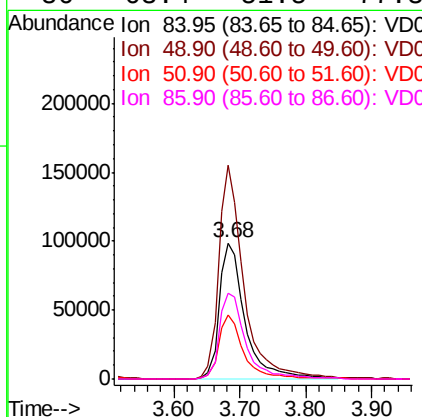
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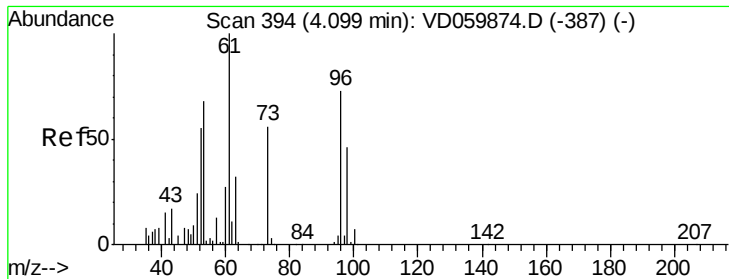
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#20
Methylene Chloride
Concen: 20.30 ug/l
RT: 3.68 min Scan# 351
Delta R.T. -0.03 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion: 84 Resp: 269916
Ion Ratio Lower Upper
84 100
49 156.8 122.6 183.8
51 47.3 38.4 57.6
86 63.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 17.35 ug/l

RT: 4.07 min Scan# 390

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

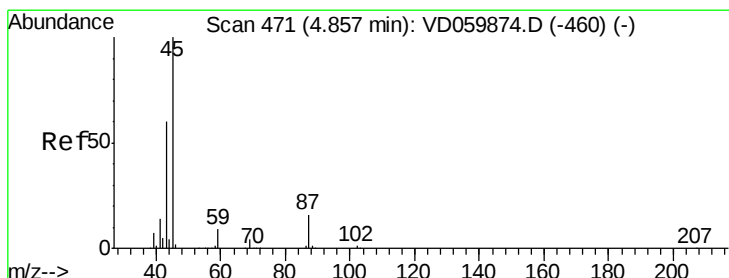
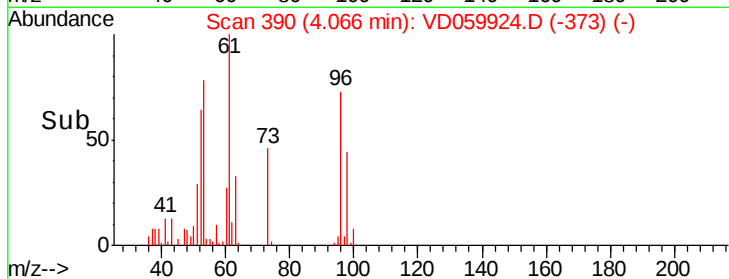
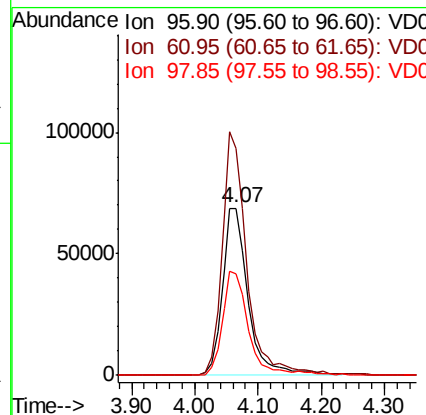
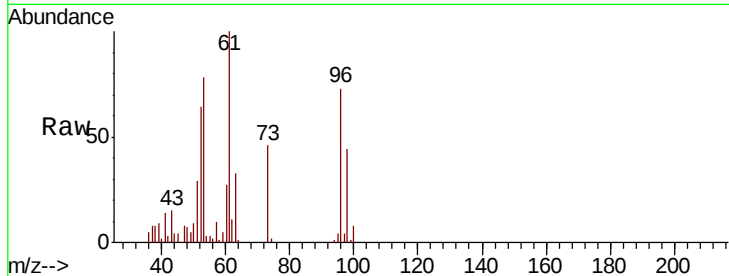
ClientSampleID :

VD0830SBS01

Tot Ion:	96	Resp:	195901
Ion	Ratio	Lower	Upper
96	100		
61	136.2	110.2	165.4
98	60.5	50.9	76.3

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#22

Diisopropyl ether

Concen: 18.86 ug/l

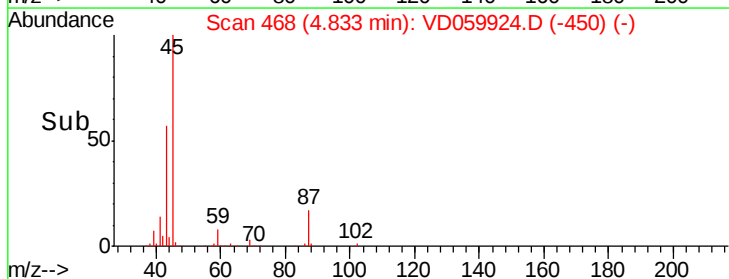
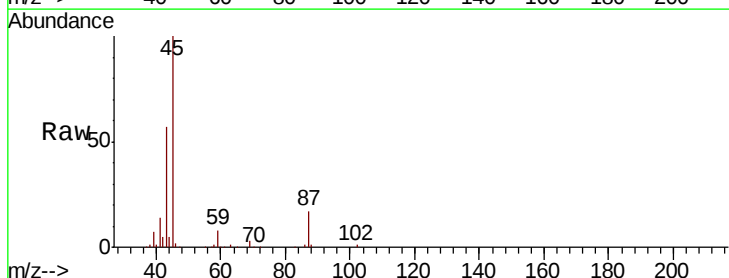
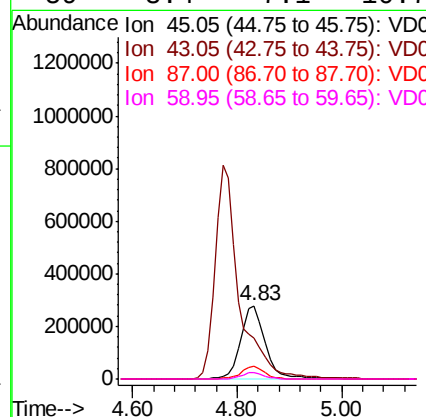
RT: 4.83 min Scan# 468

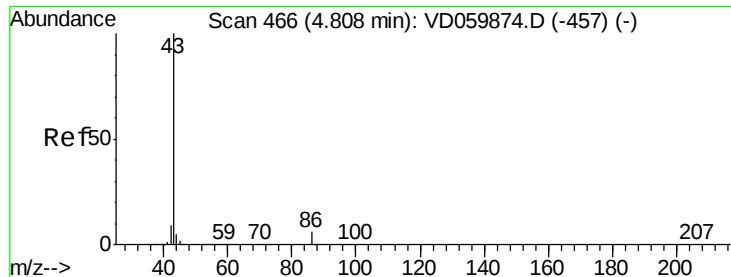
Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Tgt Ion:	45	Resp:	891581
Ion	Ratio	Lower	Upper
45	100		
43	56.6	48.6	72.8
87	16.7	13.3	19.9
59	8.4	7.1	10.7





#23

Vinyl Acetate

Concen: 97.66 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 43 Resp: 2580743

Ion Ratio Lower Upper

43 100

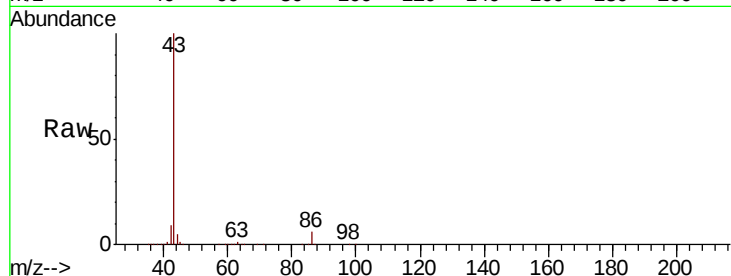
86 6.2 5.0 7.6

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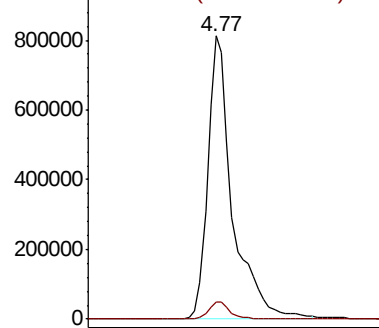
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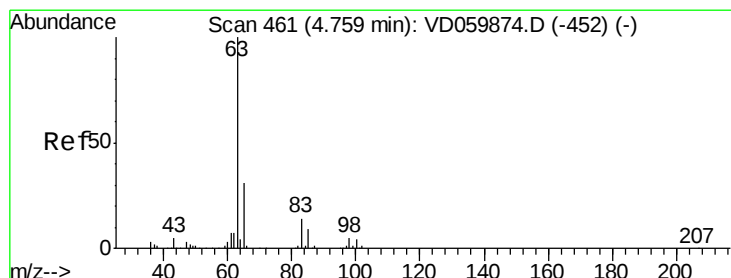
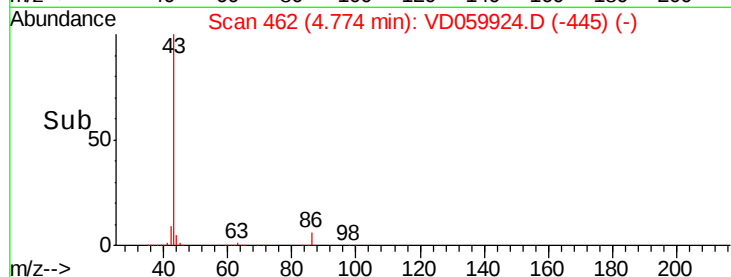


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 19.05 ug/l

RT: 4.72 min Scan# 457

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

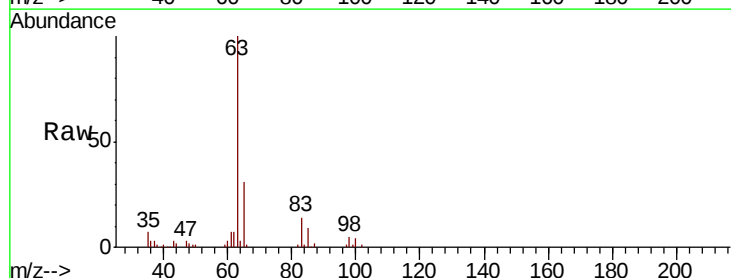
Tgt Ion: 63 Resp: 389035

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

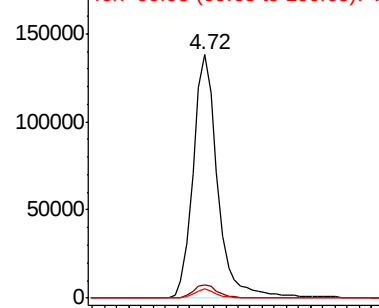
100 3.6 1.8 5.3



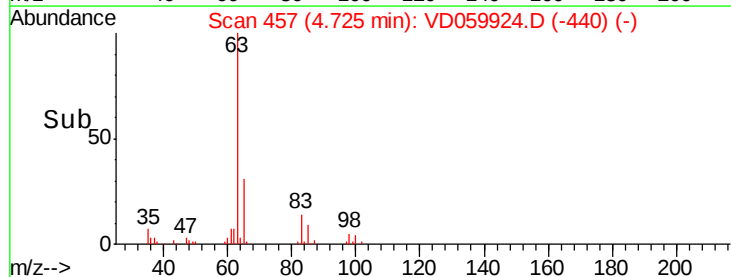
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->





#25

2-Butanone

Concen: 86.22 ug/l

RT: 5.60 min Scan# 546

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 43 Resp: 458740

Ion Ratio Lower Upper

43 100

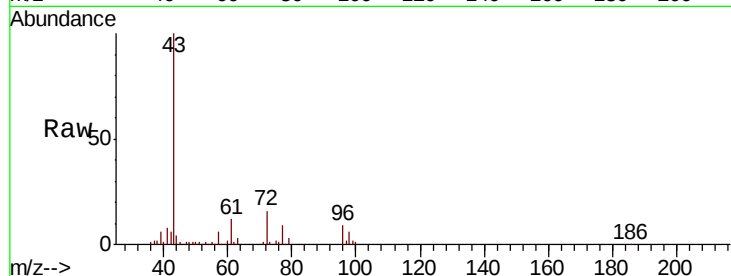
72 15.9 12.3 18.5

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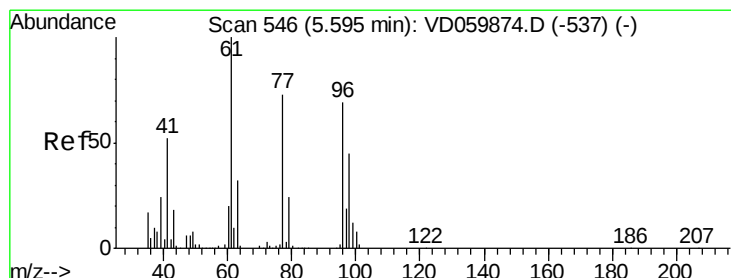
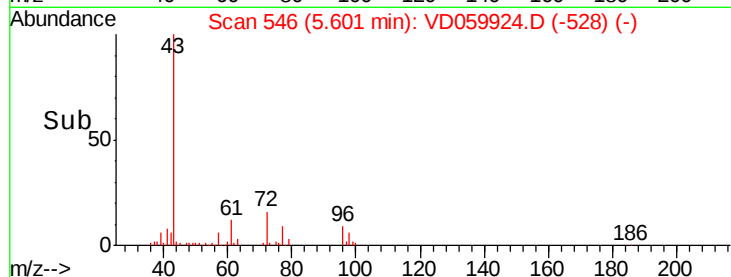
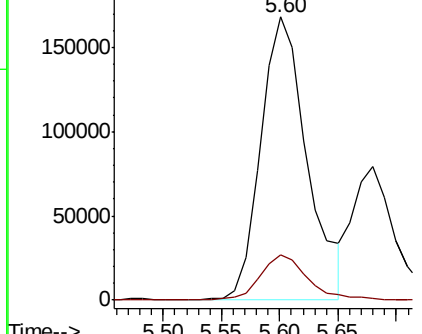
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.06 ug/l

RT: 5.56 min Scan# 542

Delta R.T. -0.03 min

Lab File: VD059924.D

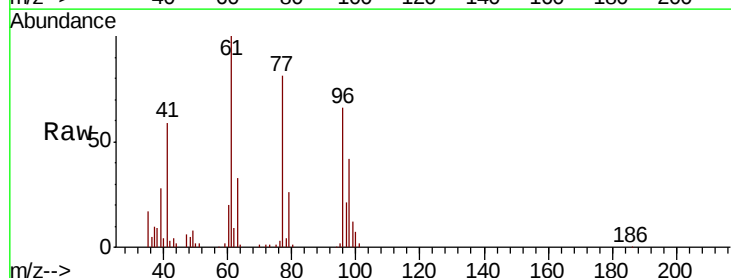
Acq: 30 Aug 2018 13:32

Tgt Ion: 77 Resp: 325323

Ion Ratio Lower Upper

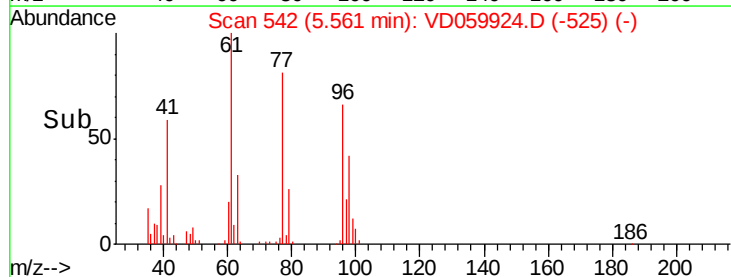
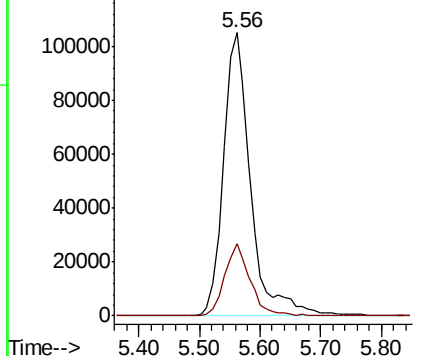
77 100

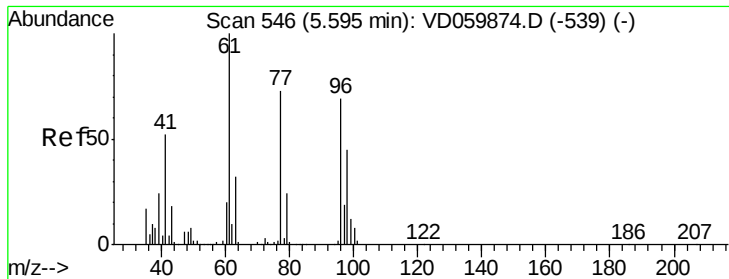
97 25.5 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

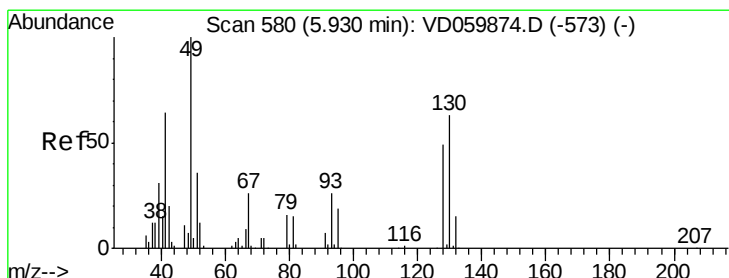
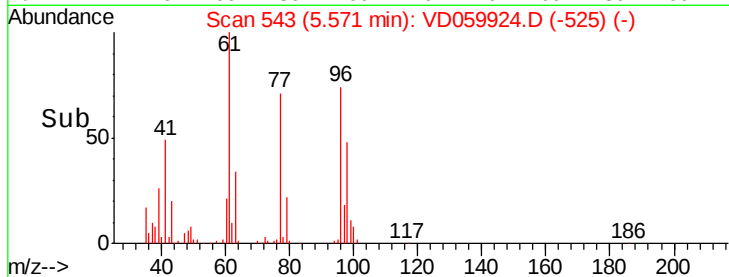
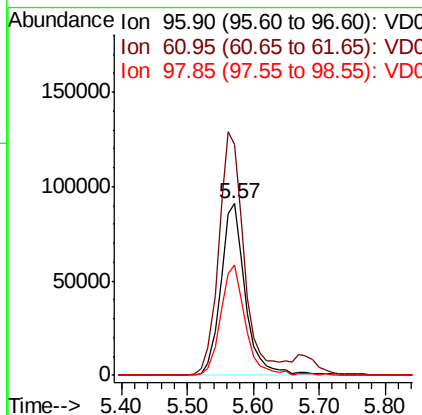
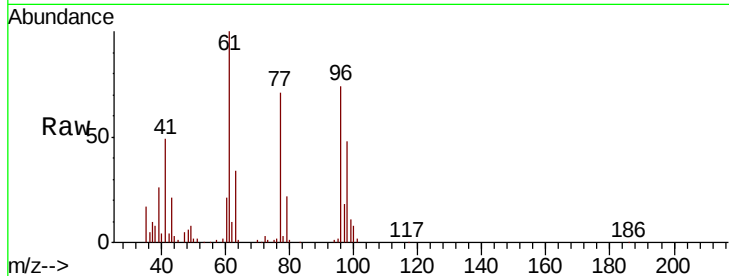
cis-1,2-Dichloroethene
Concen: 19.22 ug/l
RT: 5.57 min Scan# 543
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	237511		
61	135.0	0.0	290.2	
98	64.2	0.0	130.4	

Manual Integrations
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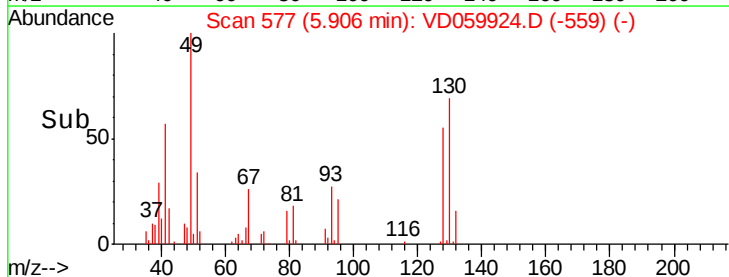
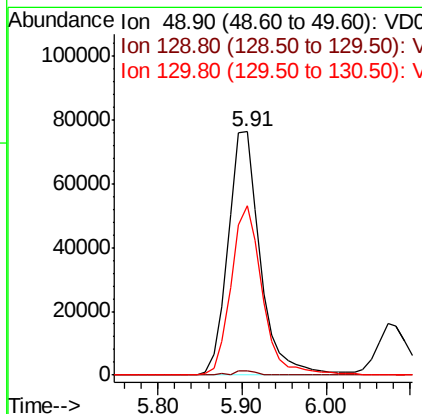
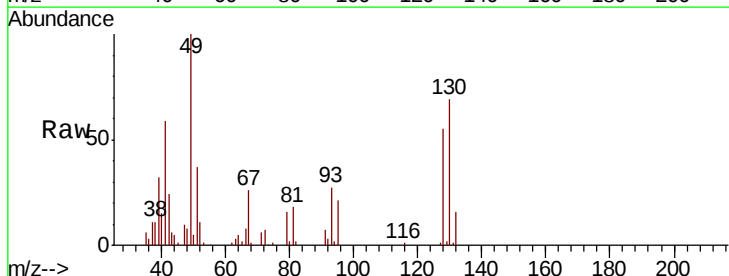
apatel
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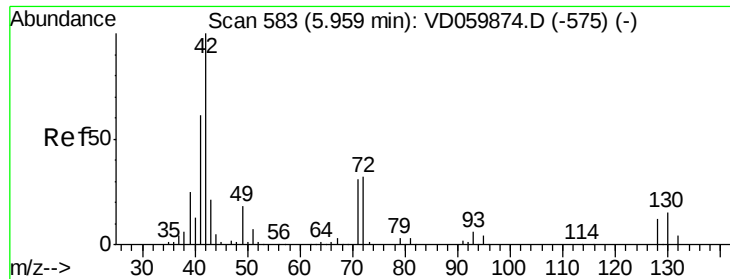


#28

Bromochloromethane
Concen: 20.71 ug/l
RT: 5.91 min Scan# 577
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	202703		
129	1.8	0.0	3.2	
130	69.4	50.6	75.8	





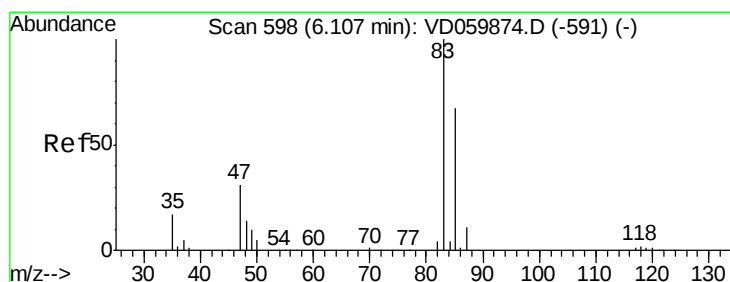
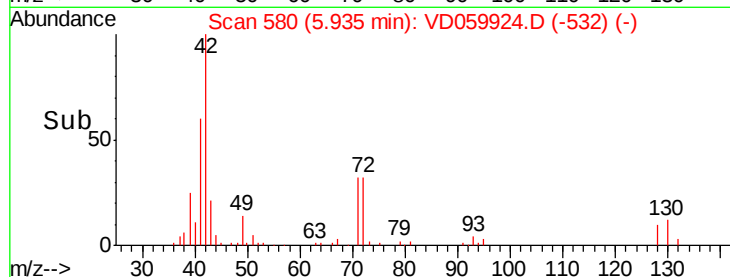
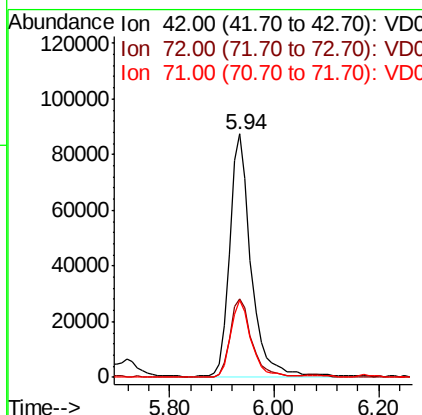
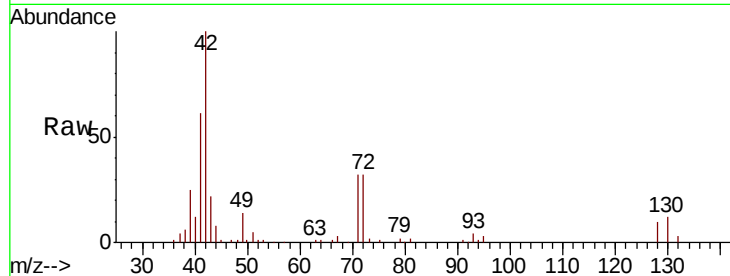
#29
Tetrahydrofuran
Concen: 95.70 ug/l
RT: 5.94 min Scan# 580
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.8	25.7	38.5
71	31.2	25.3	37.9

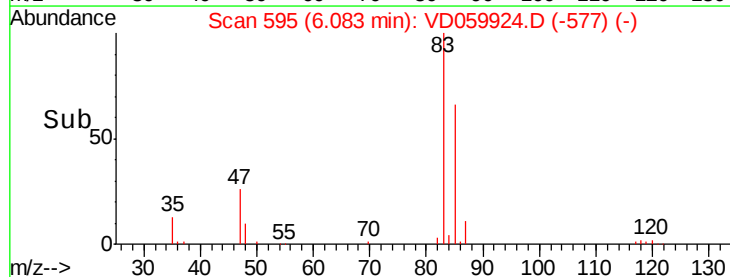
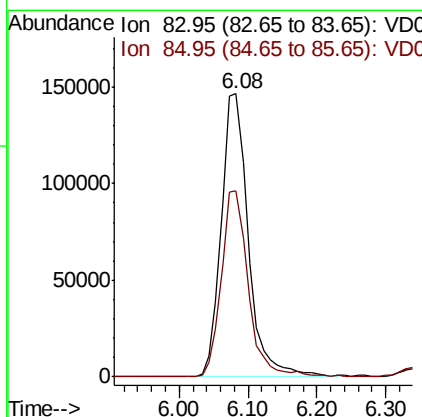
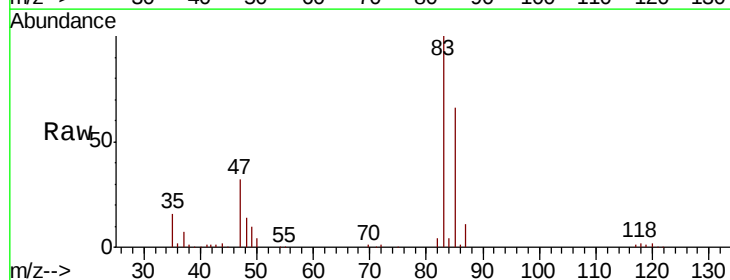
Manual Integrations
APPROVED

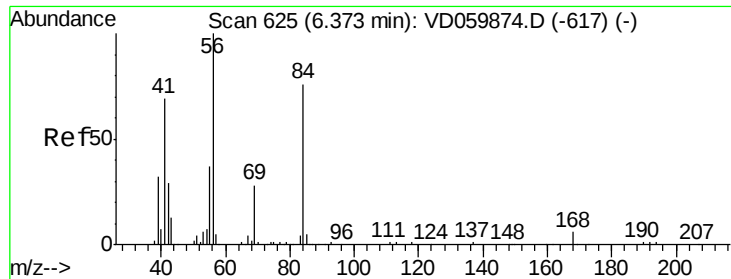
apatel
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#30
Chloroform
Concen: 19.24 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.5	80.3





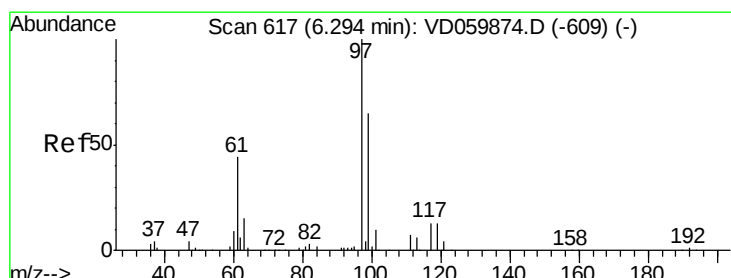
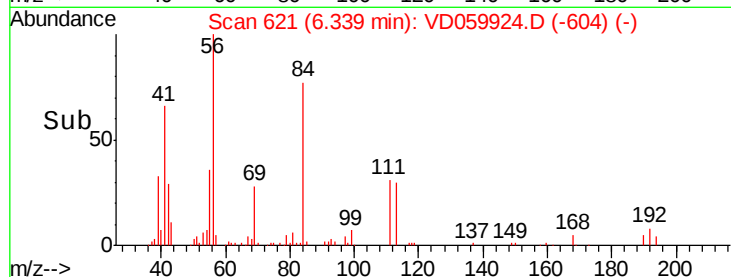
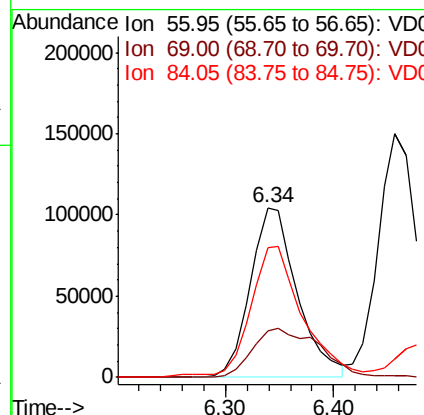
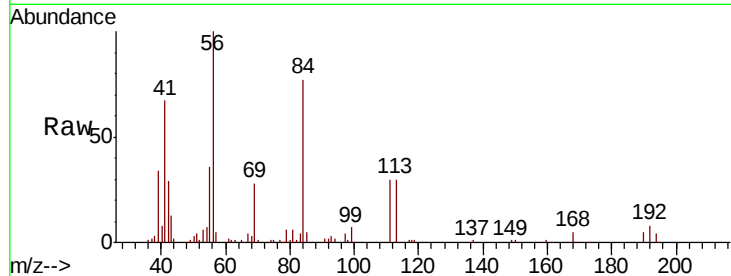
#31
Cyclohexane
Concen: 16.77 ug/l
RT: 6.34 min Scan# 621
Delta R.T. -0.03 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleID :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.7	22.4	33.6
84	76.6	62.1	93.1

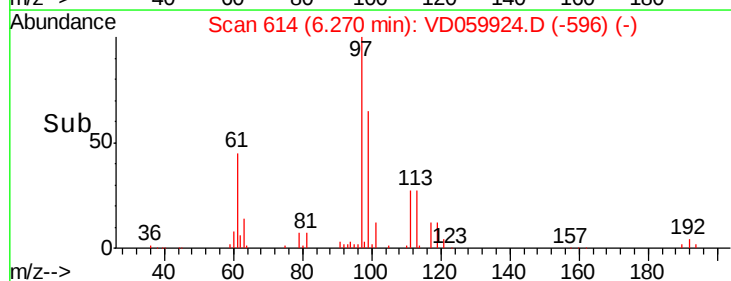
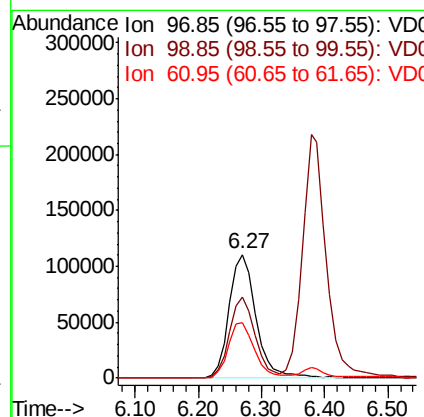
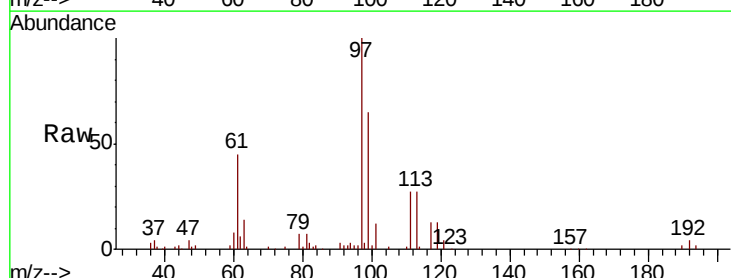
Manual Integrations
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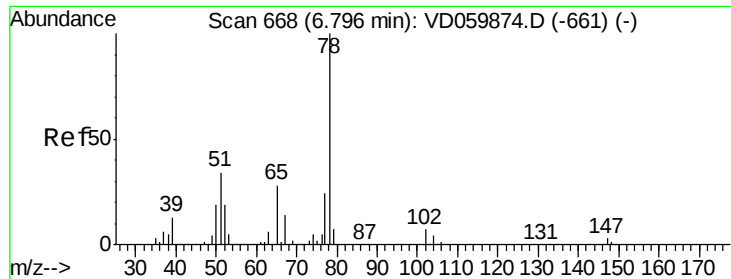
apatel
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#32
1,1,1-Trichloroethane
Concen: 18.46 ug/l
RT: 6.27 min Scan# 614
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.7	77.5
61	44.7	35.4	53.2





#33

1,2-Dichloroethane-d4

Concen: 18.46 ug/l

RT: 6.76 min Scan# 664

Delta R.T. -0.03 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 65 Resp: 476167

Ion Ratio Lower Upper

65 100

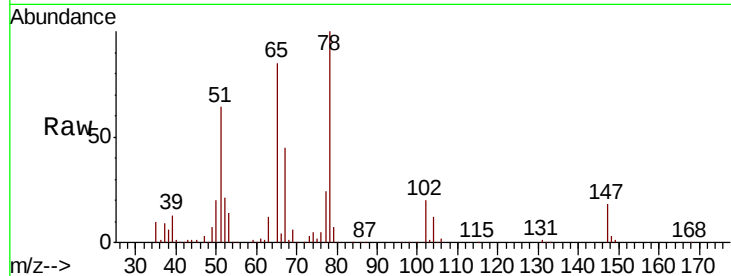
67 53.2 0.0 103.8

Manual Integrations

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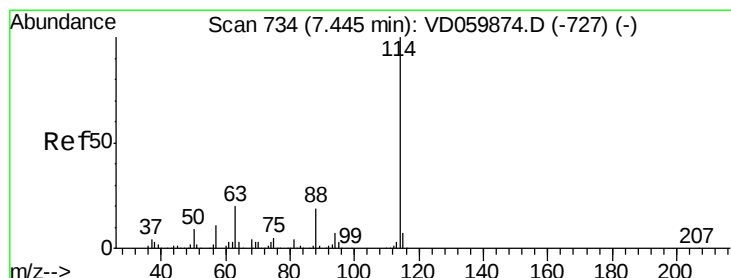
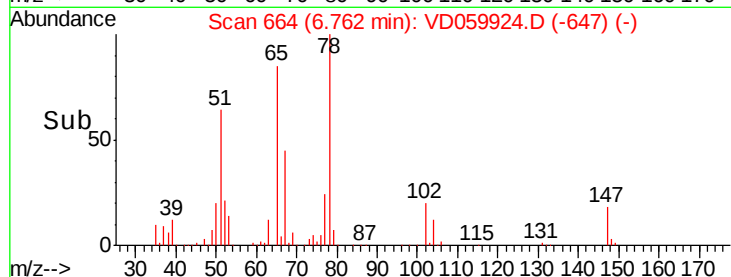
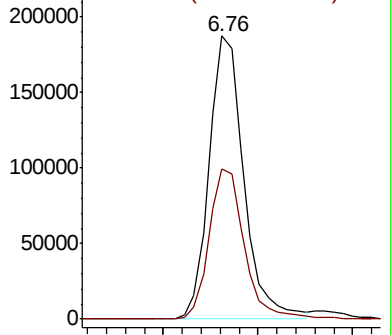
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 731

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

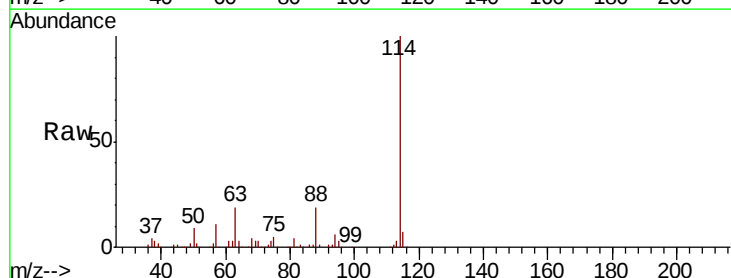
Tgt Ion: 114 Resp: 1590621

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.4

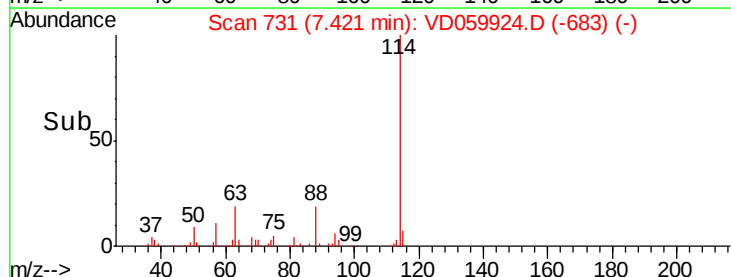
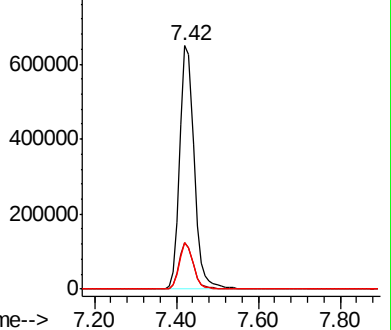
88 19.0 0.0 37.6

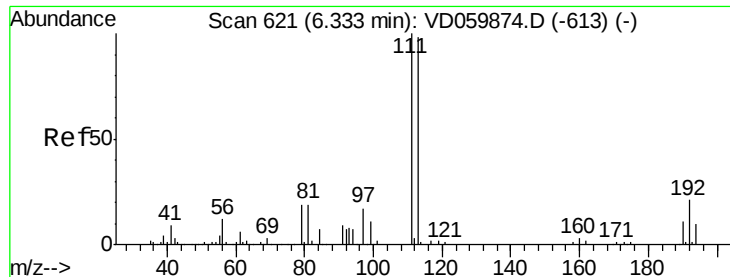


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





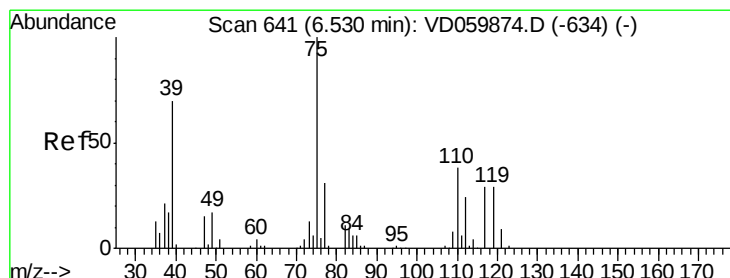
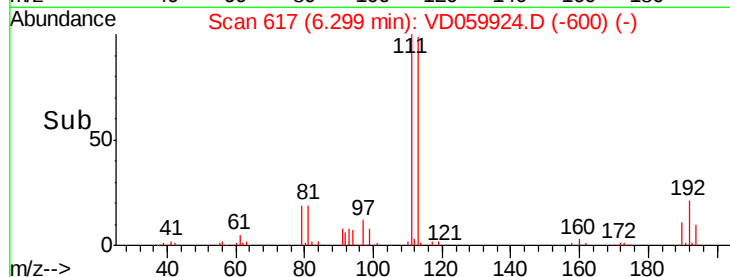
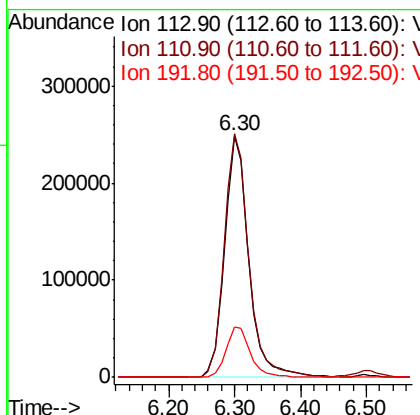
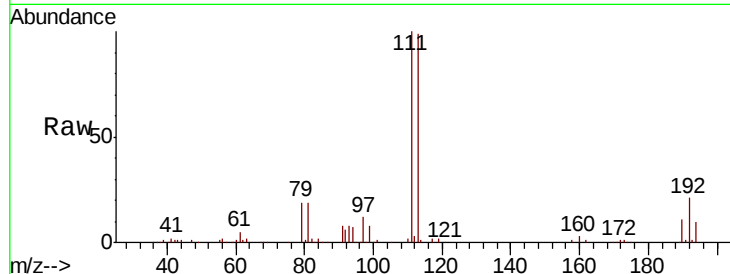
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.30 min Scan# 617
Delta R.T. -0.03 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	639556		
111	100.8	81.4	122.2	
192	20.7	17.0	25.6	

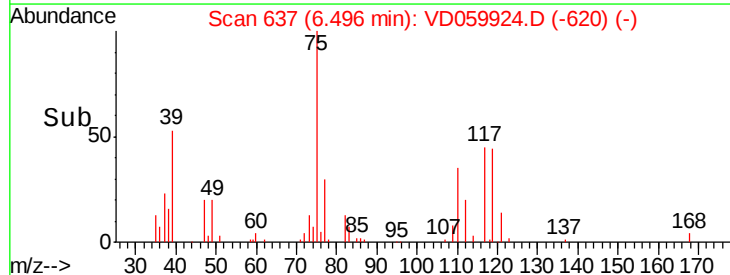
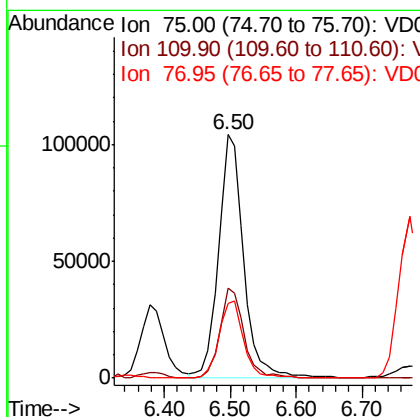
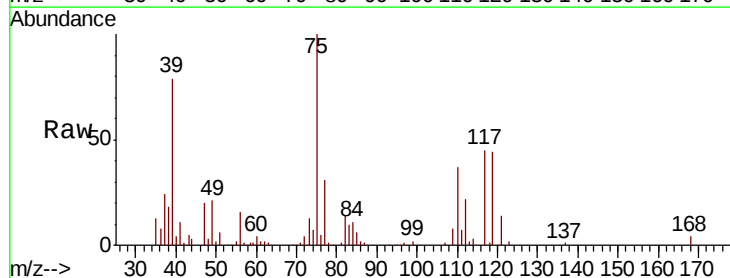
Manual Integrations
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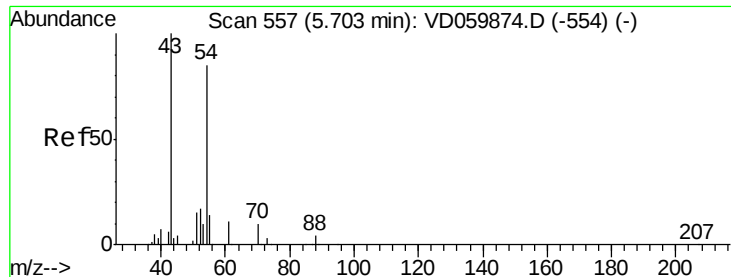
apatel
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#36
1,1-Dichloropropene
Concen: 18.79 ug/l
RT: 6.50 min Scan# 637
Delta R.T. -0.03 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	270977		
110	36.8	18.6	56.0	
77	30.9	25.1	37.7	





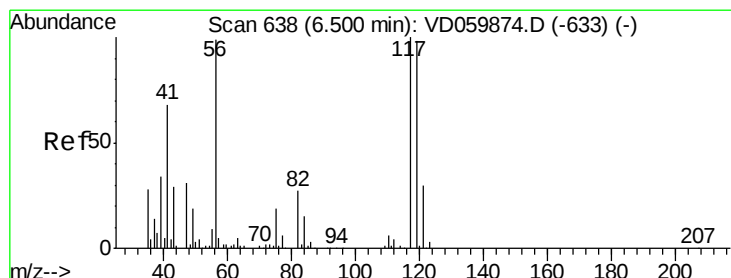
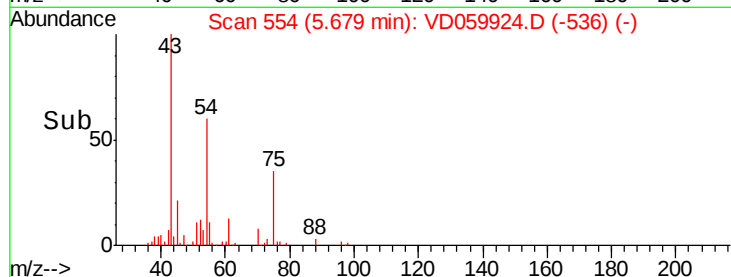
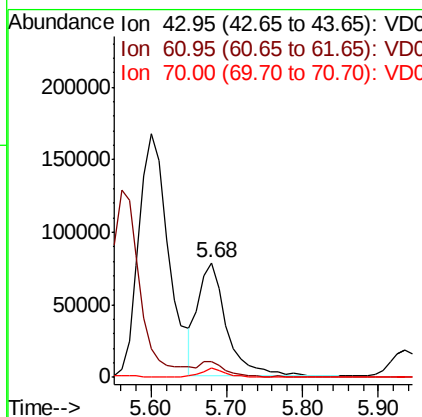
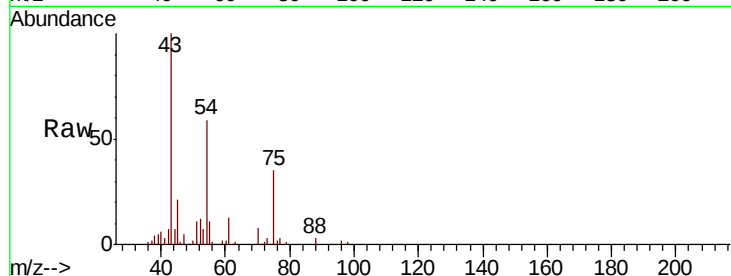
#37
Ethyl Acetate
Concen: 18.18 ug/l
RT: 5.68 min Scan# 554
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.6
70	8.2	5.7	8.5

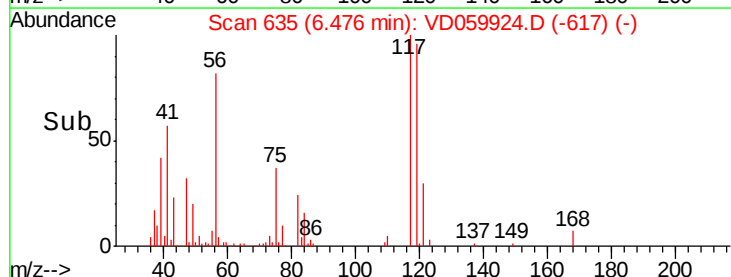
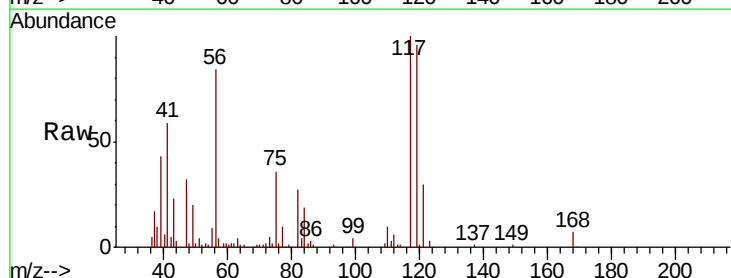
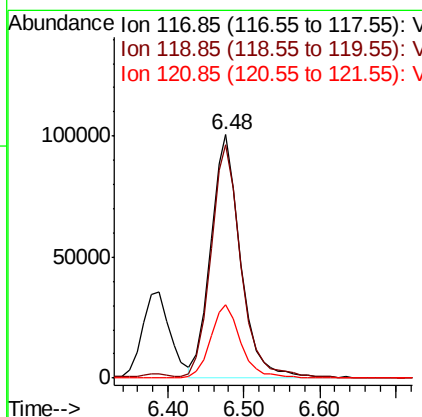
Manual Integrations
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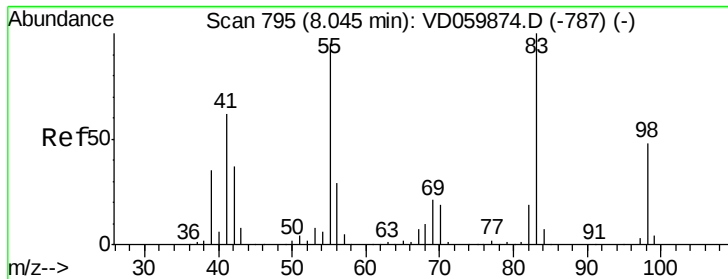
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#38
Carbon Tetrachloride
Concen: 19.02 ug/l
RT: 6.48 min Scan# 635
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.2	115.8
121	30.0	24.0	36.0





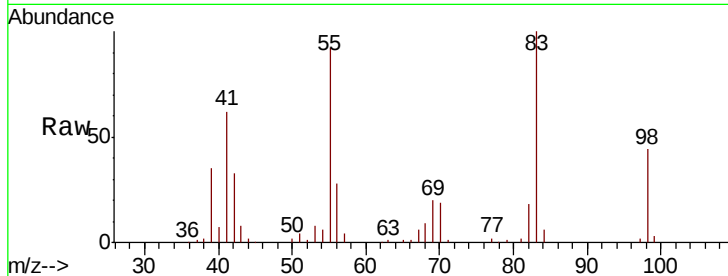
#39
Methvlcvclohexane
Concen: 17.38 ug/l
RT: 8.02 min Scan# 792
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBSD01

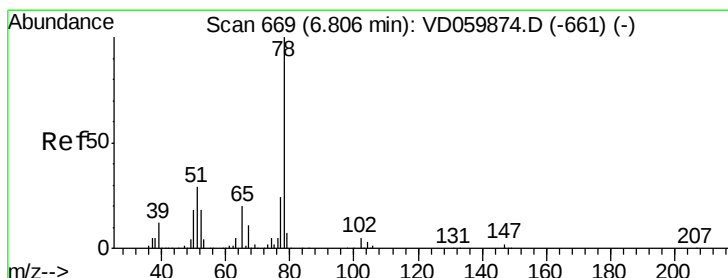
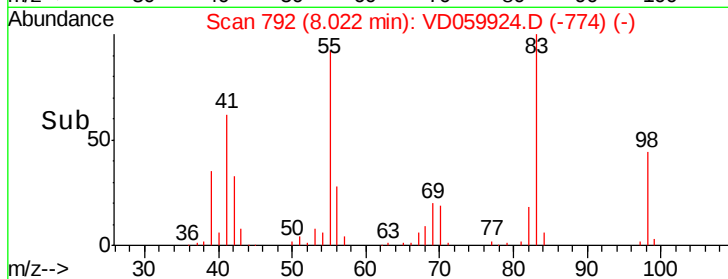
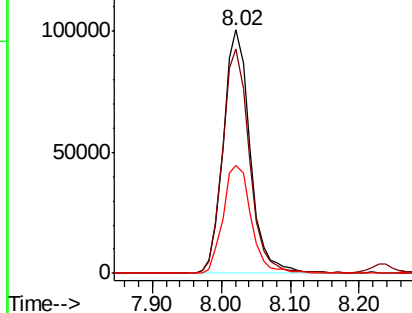
Tot Ion	Ratio	Lower	Upper
83	100		
55	92.2	75.8	113.6
98	44.2	38.3	57.5

Manual Integrations
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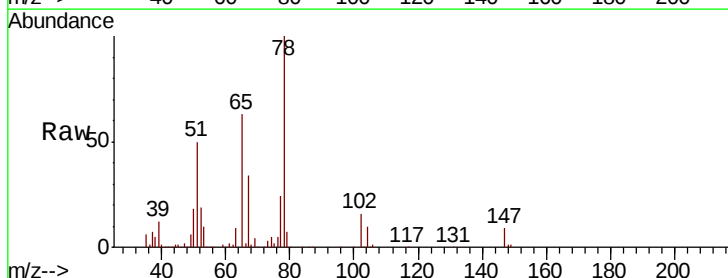


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

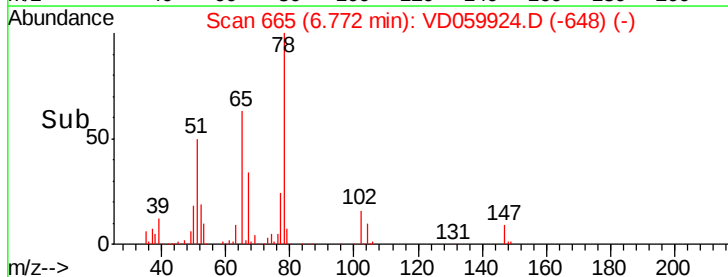
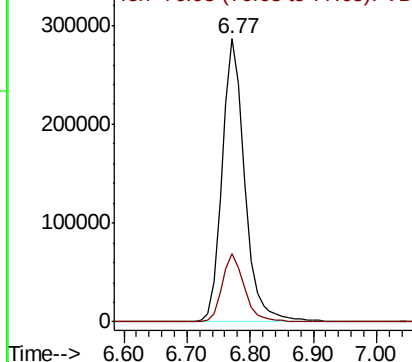


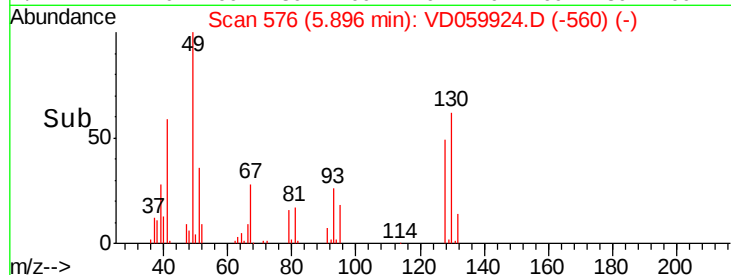
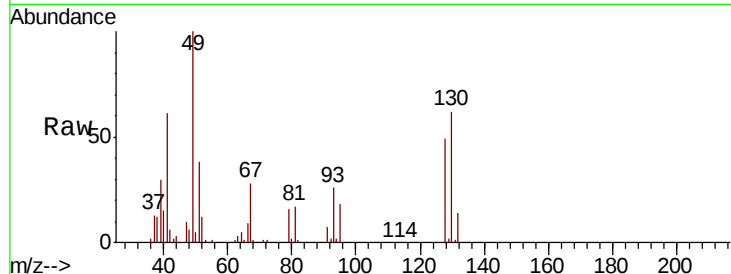
#40
Benzene
Concen: 19.10 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4



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





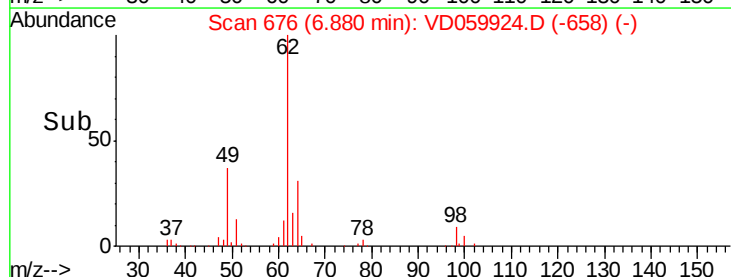
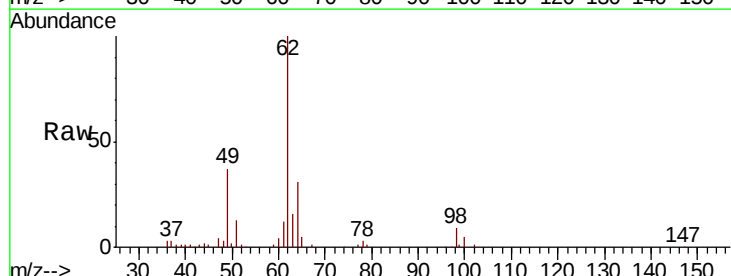
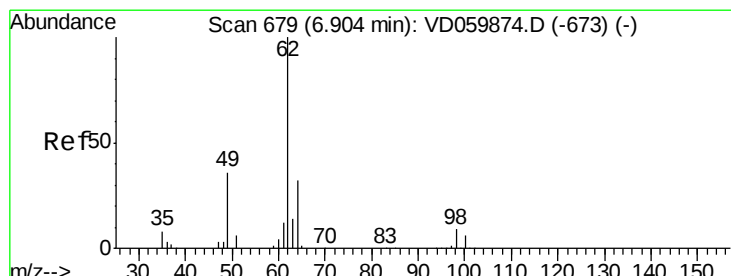
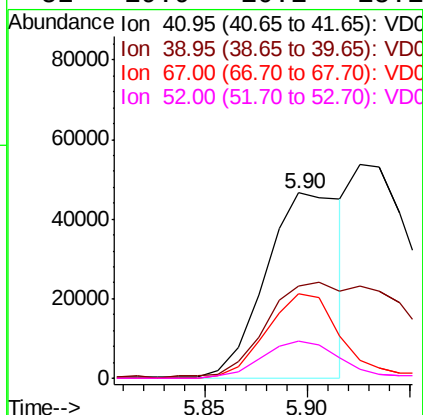
#41
Methacrylonitrile
Concen: 21.45 ug/l m
RT: 5.90 min Scan# 576
Delta R.T. -0.04 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.4	39.4	59.2
67	45.6	22.2	33.2#
52	19.9	10.1	15.1#

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

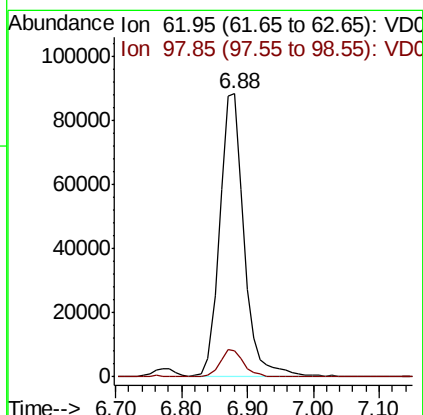
Manual Integrations
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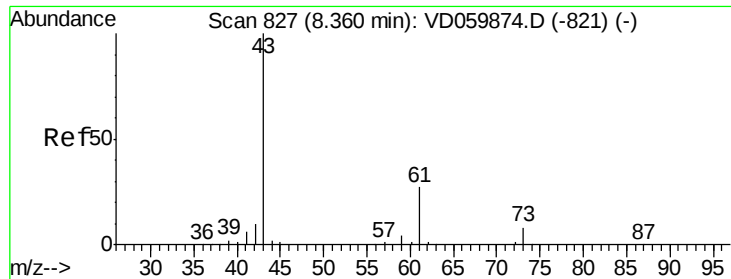
apatel
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#42
1,2-Dichloroethane
Concen: 18.99 ug/l
RT: 6.88 min Scan# 676
Delta R.T. -0.02 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





#43

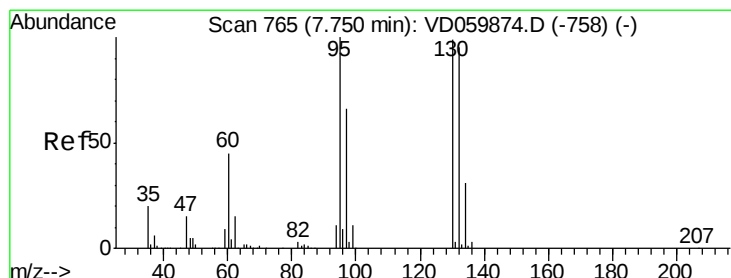
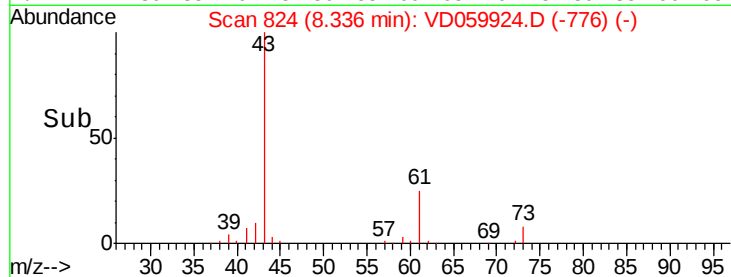
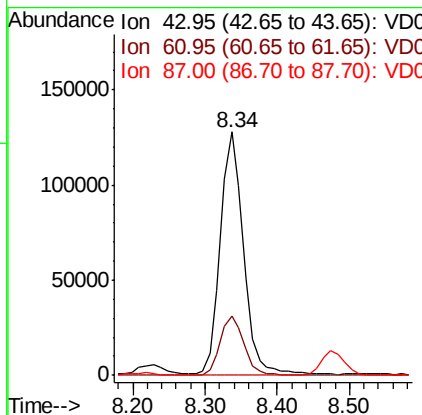
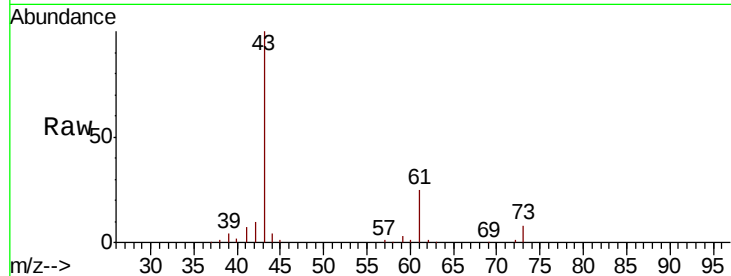
Isopropyl Acetate
 Concen: 19.38 ug/l
 RT: 8.34 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.5	21.4	32.2
87	0.0	0.2	0.4

Manual Integrations
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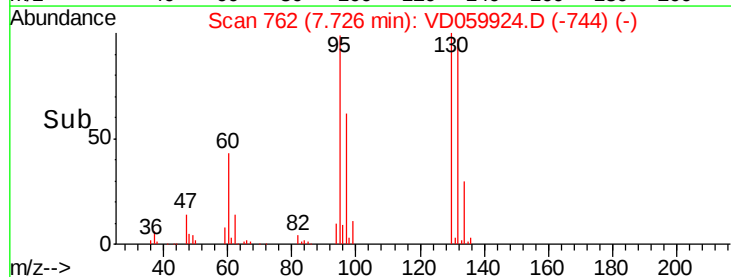
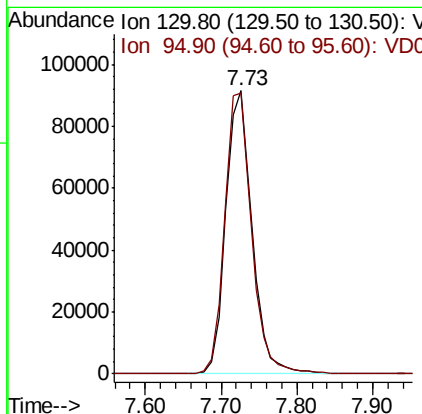
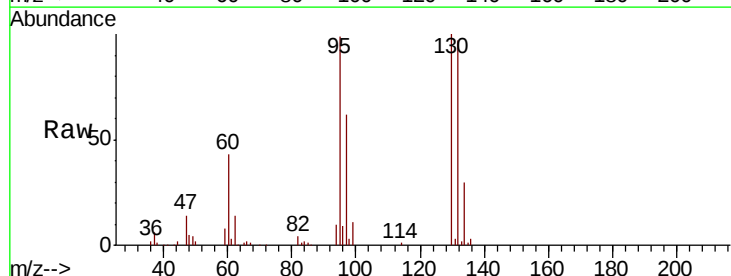
apatel
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#44

Trichloroethene
 Concen: 19.80 ug/l
 RT: 7.73 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	202.0





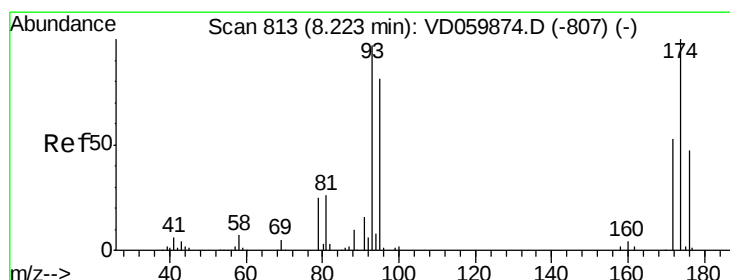
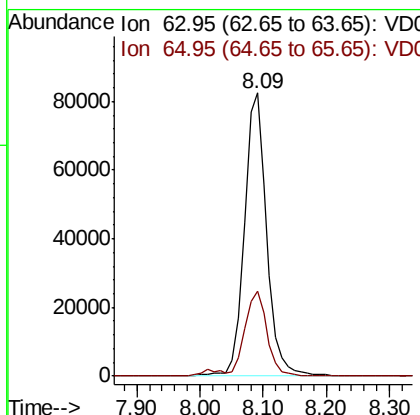
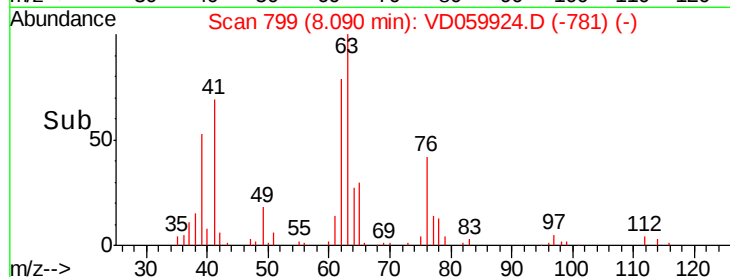
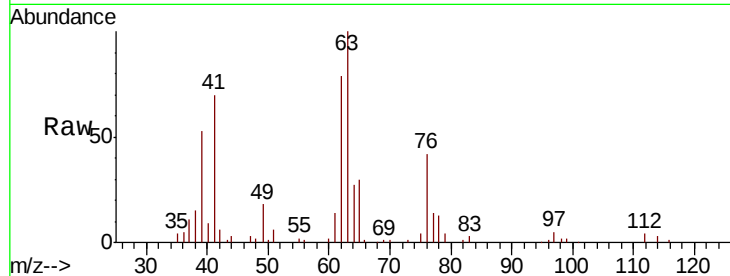
#45
 1,2-Dichloropropane
 Concen: 19.16 ug/l
 RT: 8.09 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBSD01

Tot Ion: 63 Resp: 200762
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.5 35.3

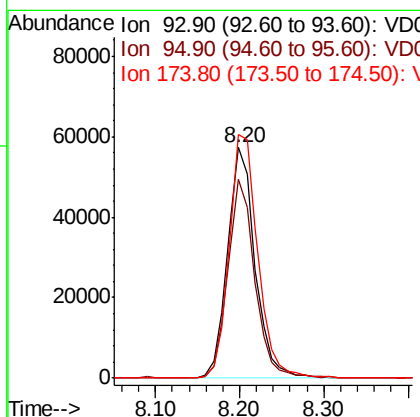
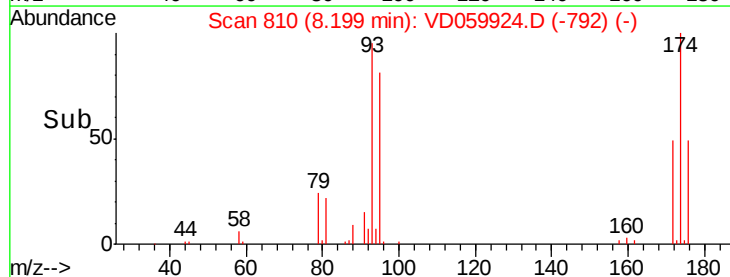
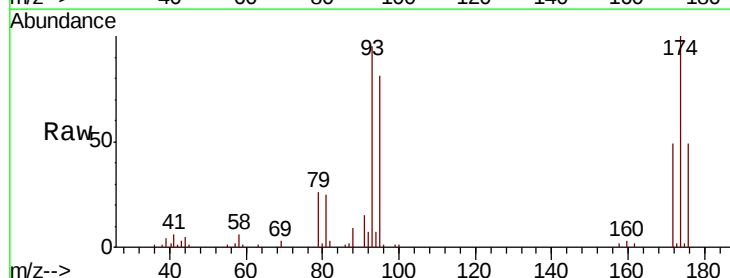
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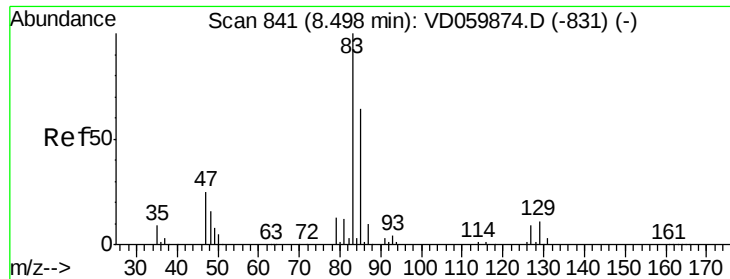
apatel
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#46
 Dibromomethane
 Concen: 19.31 ug/l
 RT: 8.20 min Scan# 810
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion: 93 Resp: 130087
 Ion Ratio Lower Upper
 93 100
 95 86.2 66.6 100.0
 174 105.7 82.4 123.6





#47

Bromodichloromethane

Concen: 19.46 ug/l

RT: 8.47 min Scan# 838

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

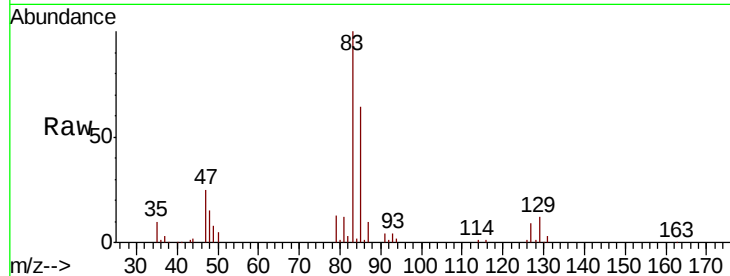
ClientSampleId :

VD0830SBS01

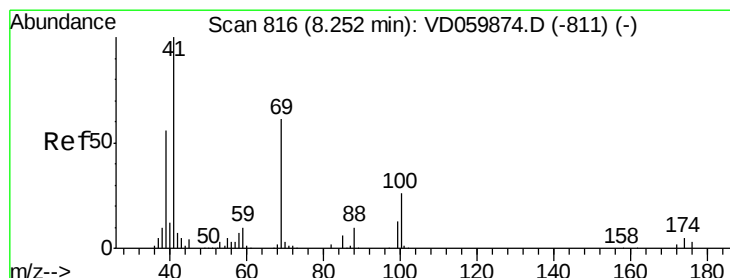
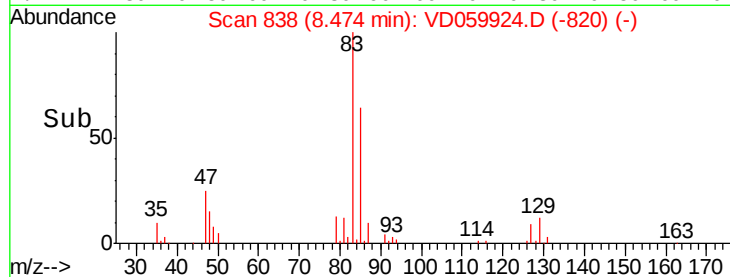
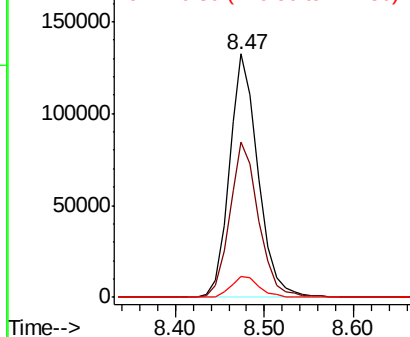
Tot Ion:	83	Resp:	296882
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.3	76.9
127	8.7	7.0	10.4

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



#48

Methyl methacrylate

Concen: 18.75 ug/l

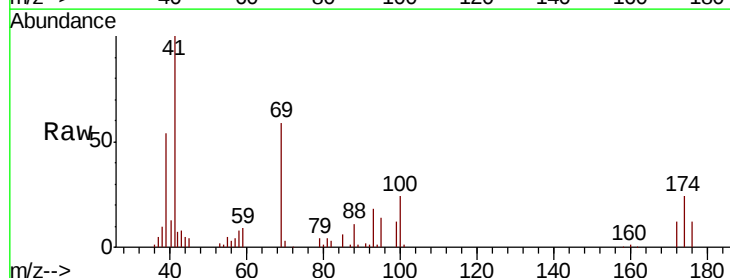
RT: 8.23 min Scan# 813

Delta R.T. -0.02 min

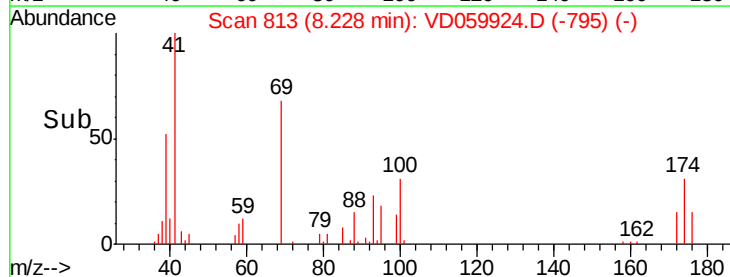
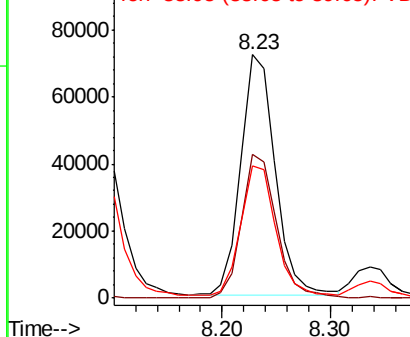
Lab File: VD059924.D

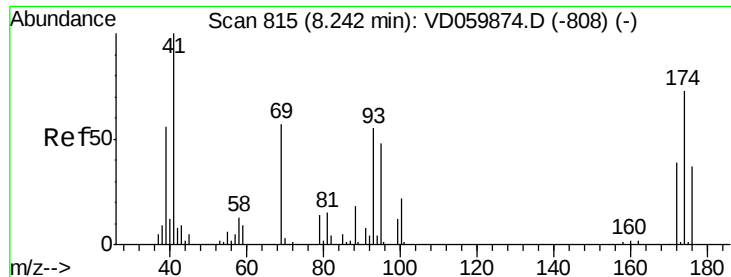
Acq: 30 Aug 2018 13:32

Tgt Ion:	41	Resp:	159575
Ion Ratio	Lower	Upper	
41	100		
69	58.8	48.0	72.0
39	54.4	45.4	68.0



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





#49

1,4-Dioxane

Concen: 399.45 ug/l

RT: 8.22 min Scan# 812

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 88 Resp: 30346

Ion Ratio Lower Upper

88 100

43 47.9 45.0 67.6

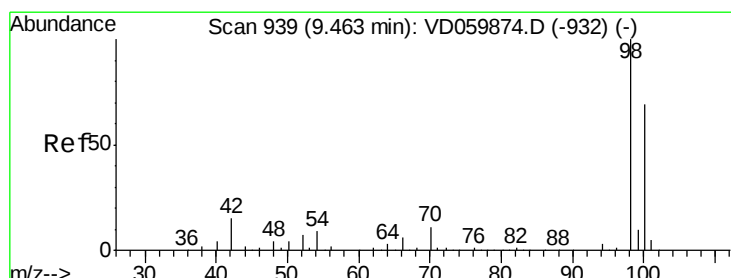
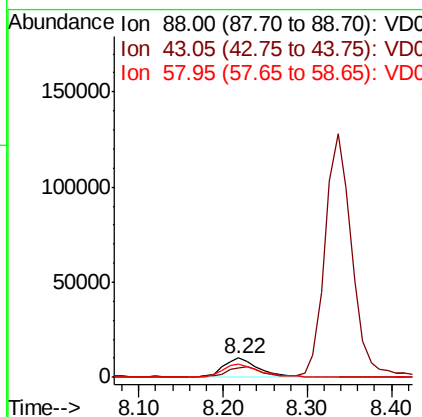
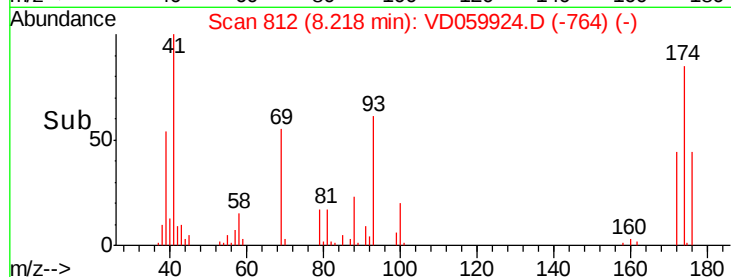
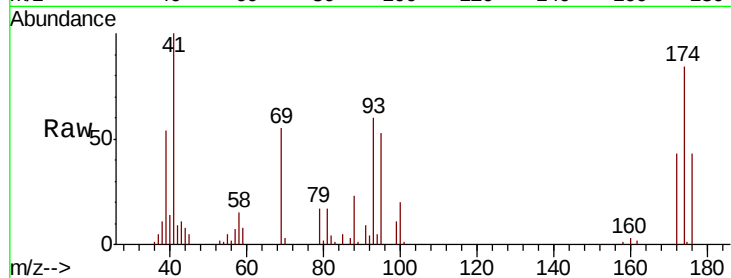
58 64.9 55.8 83.8

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#50

Toluene-d8

Concen: 399.45 ug/l

RT: 9.44 min Scan# 936

Delta R.T. -0.02 min

Lab File: VD059924.D

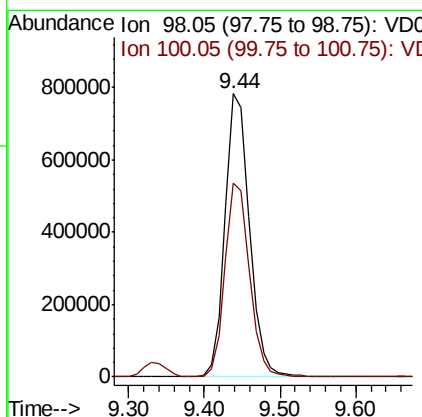
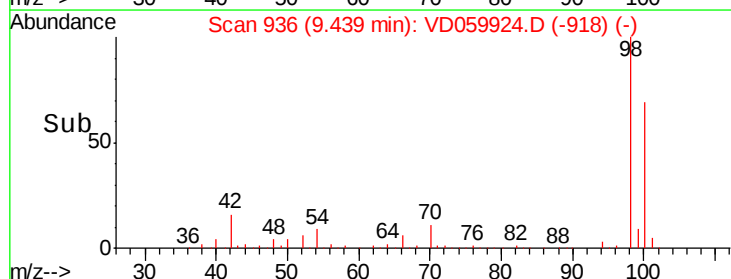
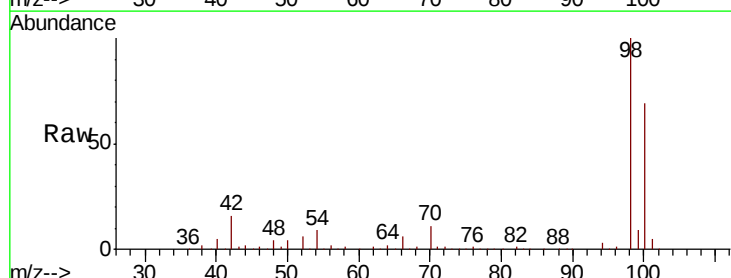
Acq: 30 Aug 2018 13:32

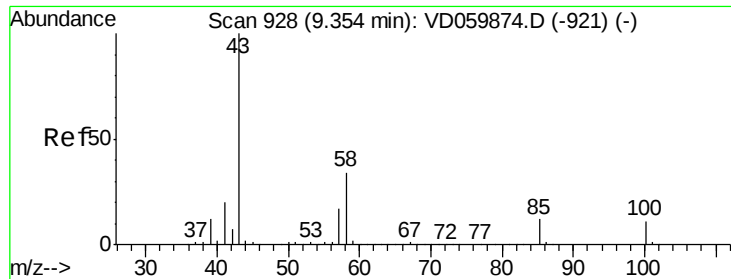
Tgt Ion: 98 Resp: 1746924

Ion Ratio Lower Upper

98 100

100 68.5 55.8 83.6





#51

4-Methyl-2-Pentanone

Concen: 87.97 ug/l

RT: 9.33 min Scan# 925

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleID :

VD0830SBS01

Tot Ion: 43 Resp: 957288

Ion Ratio Lower Upper

43 100

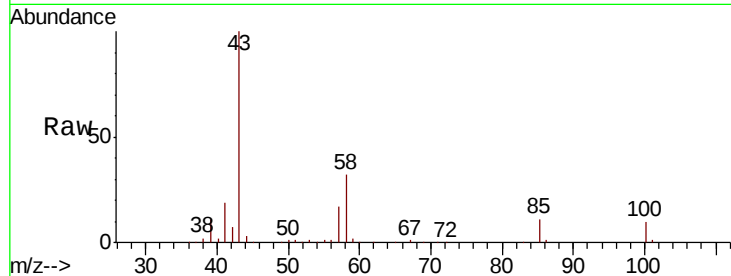
58 31.6 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

400000

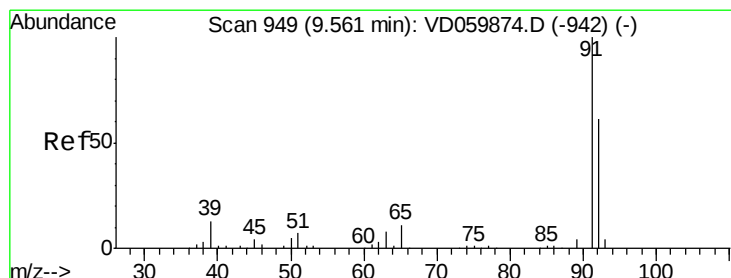
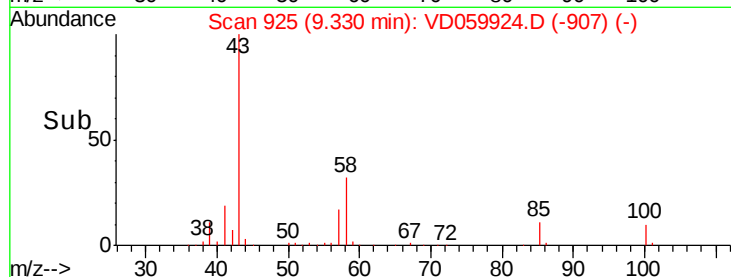
300000

200000

100000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 19.58 ug/l

RT: 9.54 min Scan# 946

Delta R.T. -0.02 min

Lab File: VD059924.D

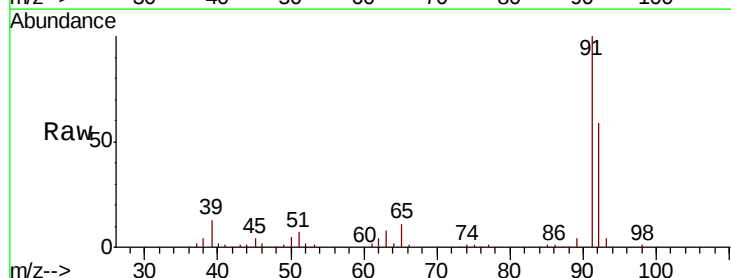
Acq: 30 Aug 2018 13:32

Tgt Ion: 92 Resp: 470770

Ion Ratio Lower Upper

92 100

91 168.3 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

400000

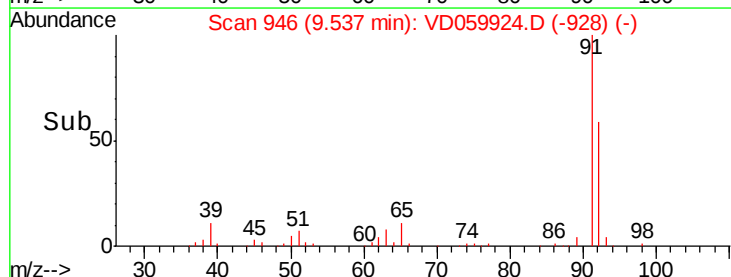
300000

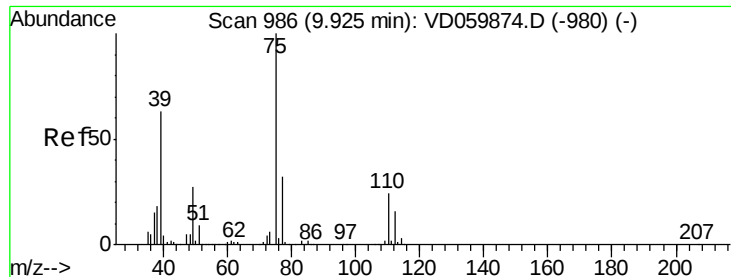
200000

100000

0

Time--> 9.40 9.50 9.60 9.70





#53

t-1,3-Dichloropropene

Concen: 19.35 ug/l

RT: 9.91 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 75 Resp: 272957

Ion Ratio Lower Upper

75 100

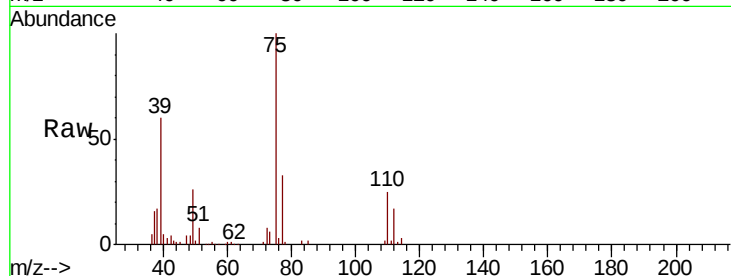
77 32.8 25.4 38.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

150000

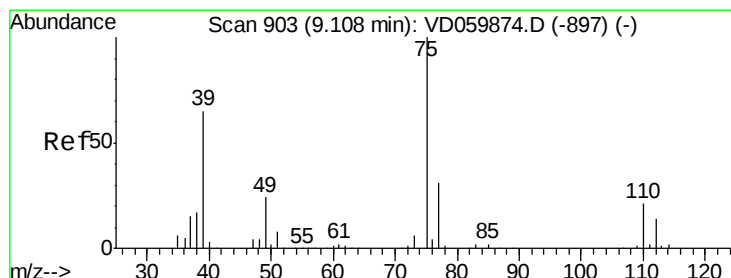
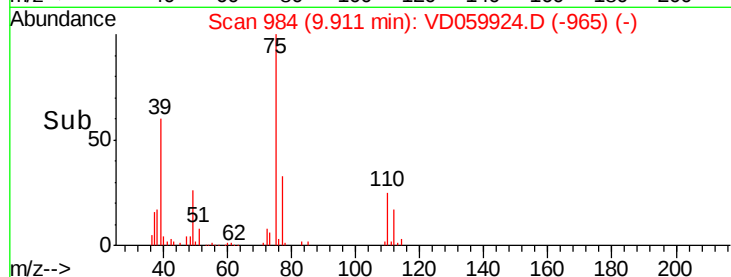
9.91

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.89 ug/l

RT: 9.09 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

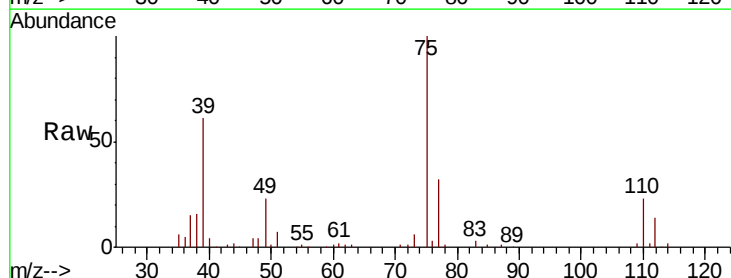
Tgt Ion: 75 Resp: 309064

Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 61.1 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

150000

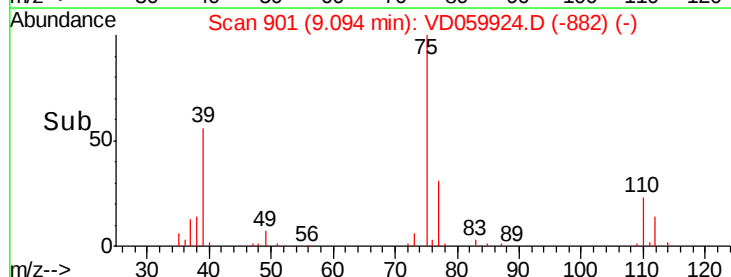
9.09

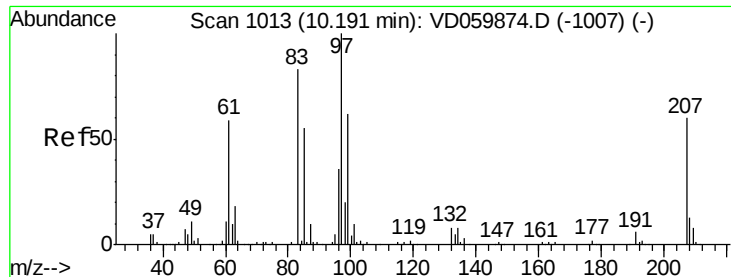
100000

50000

0

Time-->





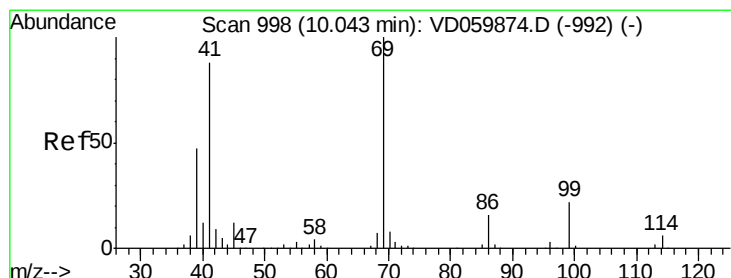
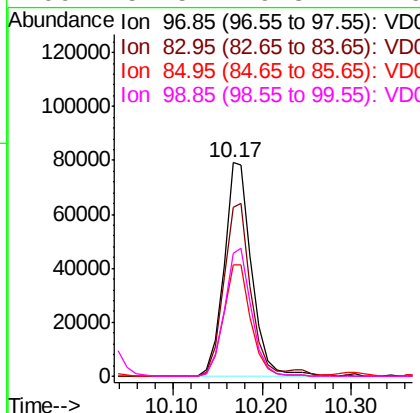
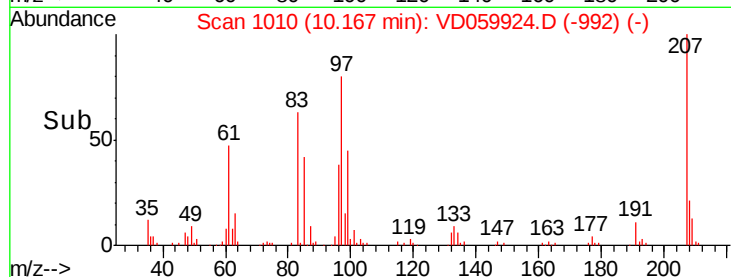
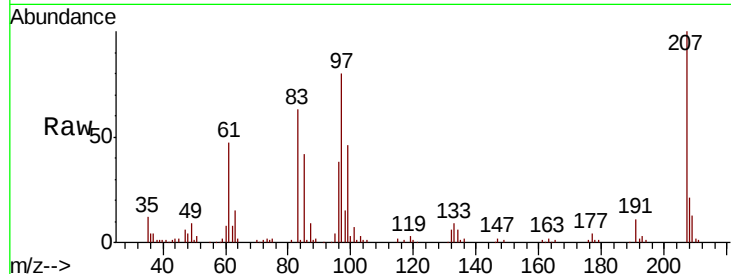
#55
 1,1,2-Trichloroethane
 Concen: 19.55 ug/l
 RT: 10.17 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		171815		
83	79.4	66.7	100.1		
85	52.2	43.8	65.6		
99	57.5	49.8	74.6		

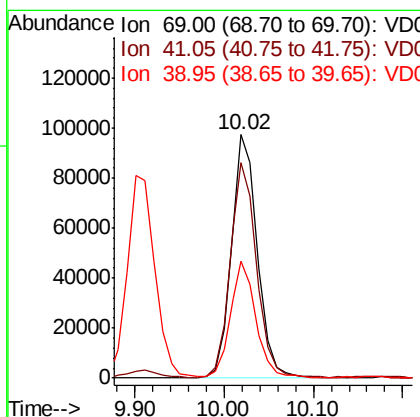
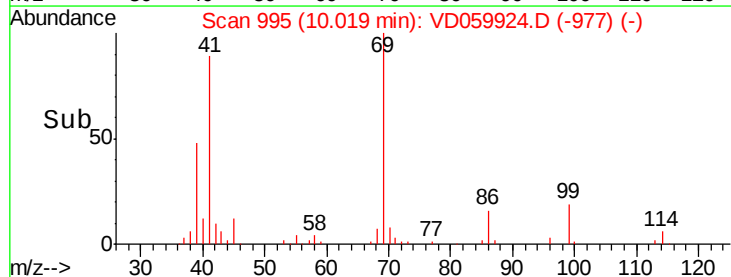
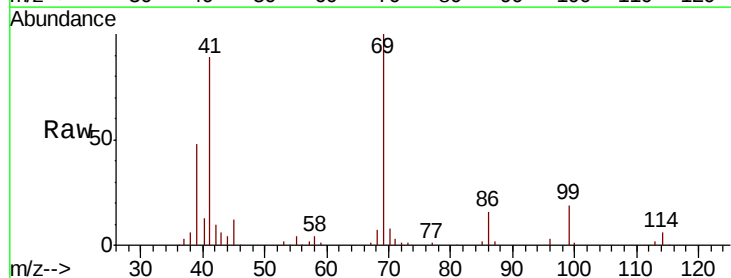
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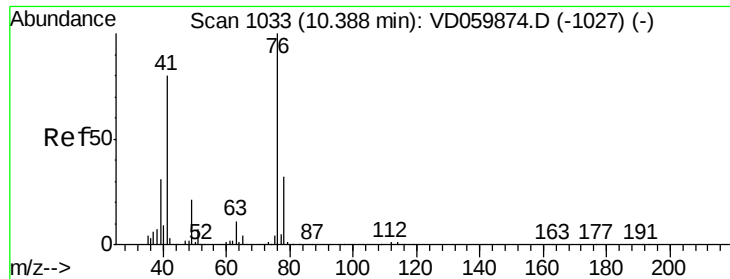
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#56
 Ethyl methacrylate
 Concen: 19.55 ug/l
 RT: 10.02 min Scan# 995
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		198252		
41	88.6	71.0	106.4		
39	48.2	38.5	57.7		





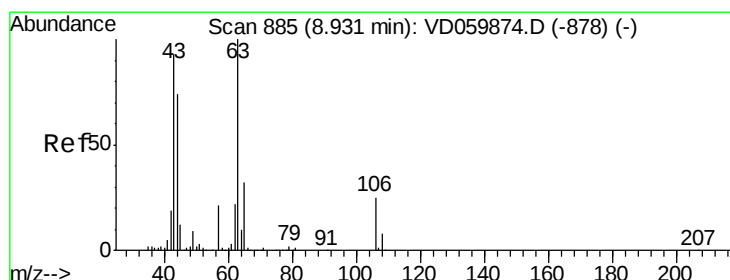
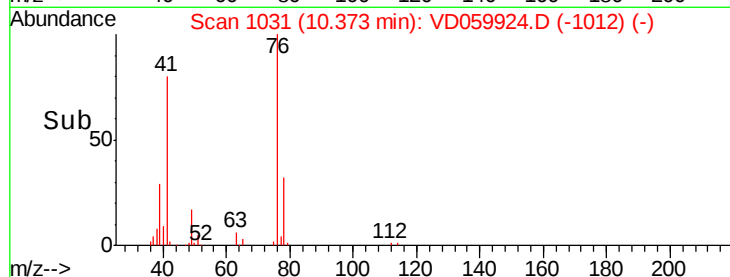
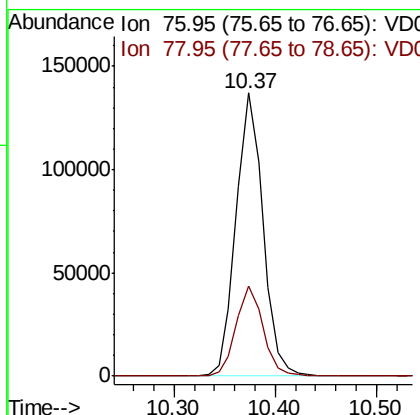
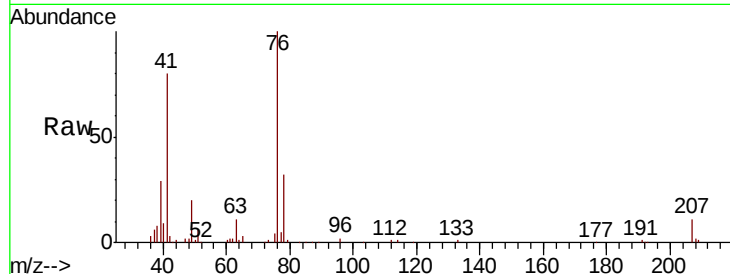
#57
 1,3-Dichloropropane
 Concen: 20.10 ug/l
 RT: 10.37 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion: 76 Resp: 255660
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.6

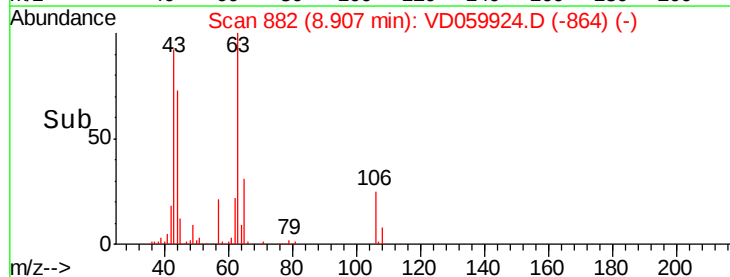
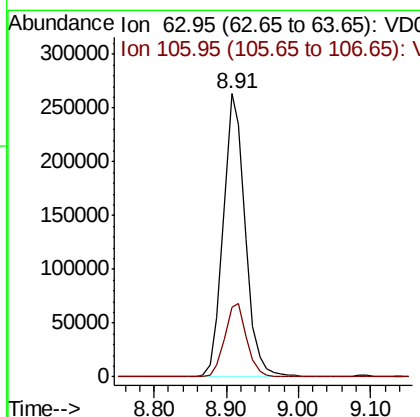
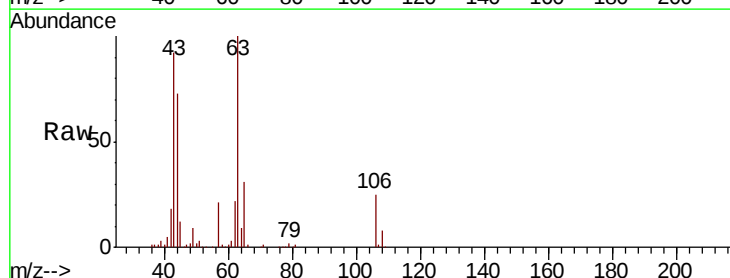
Manual Integrations
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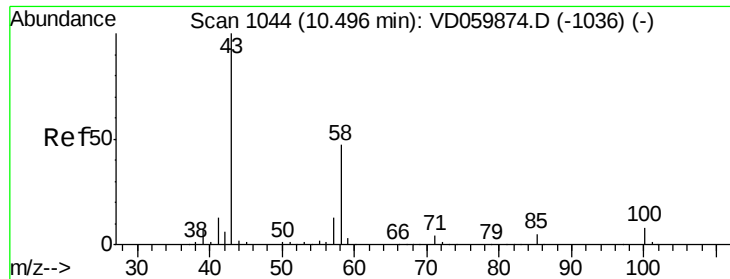
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 113.91 ug/l
 RT: 8.91 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion: 63 Resp: 554233
 Ion Ratio Lower Upper
 63 100
 106 24.7 20.1 30.1





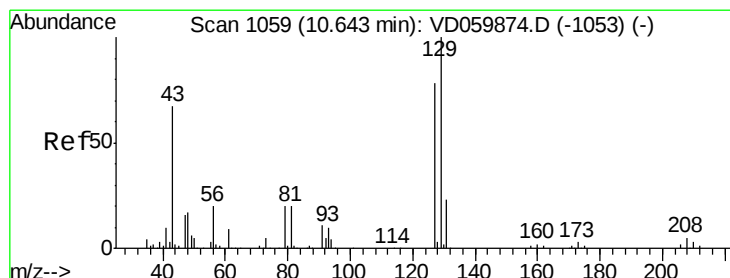
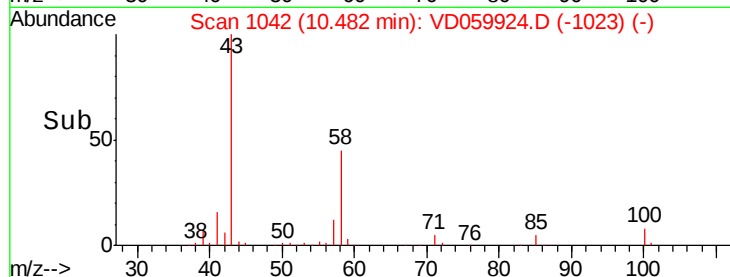
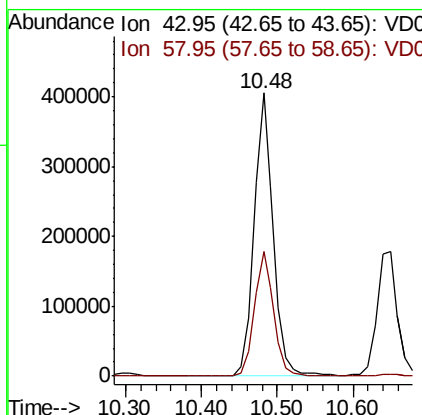
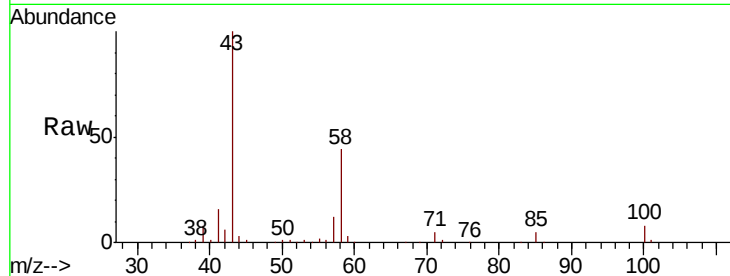
#59
2-Hexanone
Concen: 88.96 ug/l
RT: 10.48 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.1	23.3	69.8

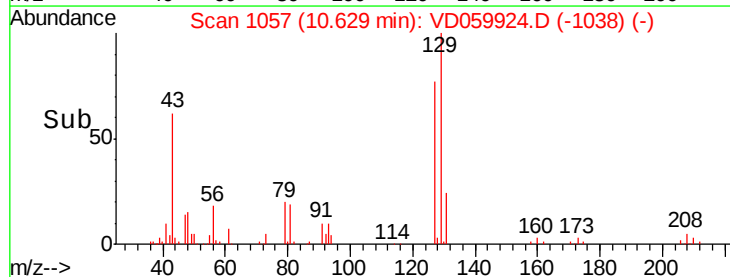
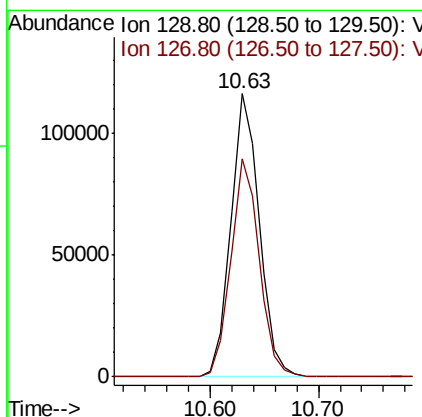
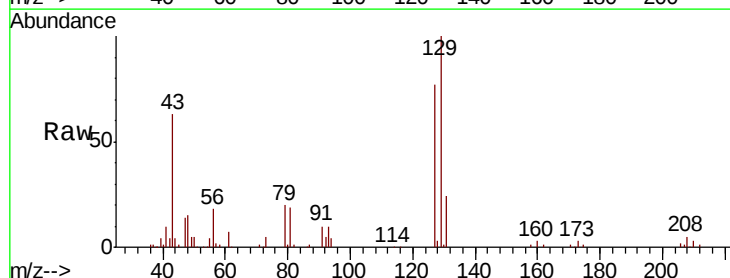
Manual Integrations
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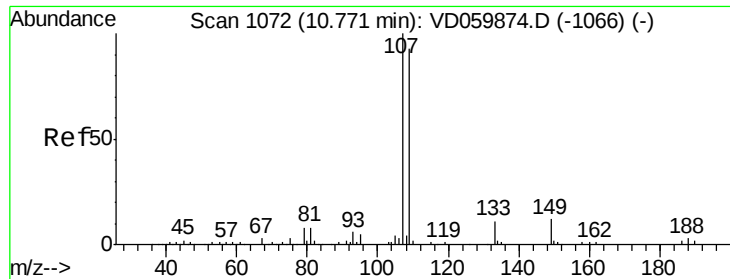
apatel
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#60
Dibromochloromethane
Concen: 19.26 ug/l
RT: 10.63 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.1	117.2





#61

1,2-Dibromoethane

Concen: 19.48 ug/l

RT: 10.75 min Scan# 1069

Delta R.T. -0.02 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBSD01

Tot Ion: 107 Resp: 173080

Ion Ratio Lower Upper

107 100

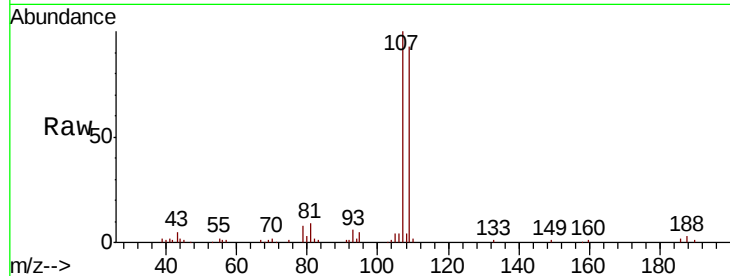
109 93.3 74.6 112.0

Manual Integrations

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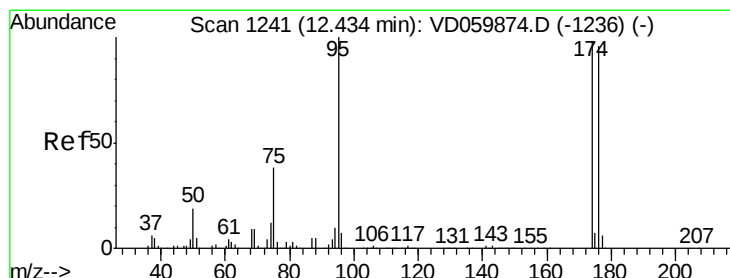
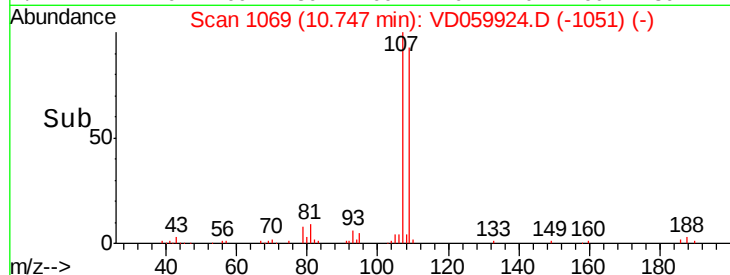
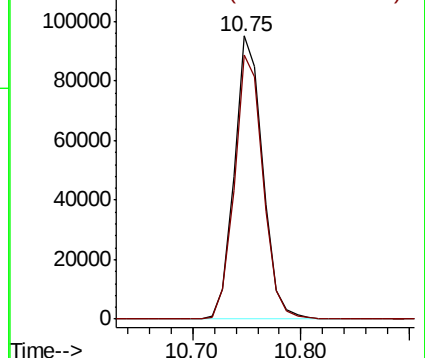
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.48 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

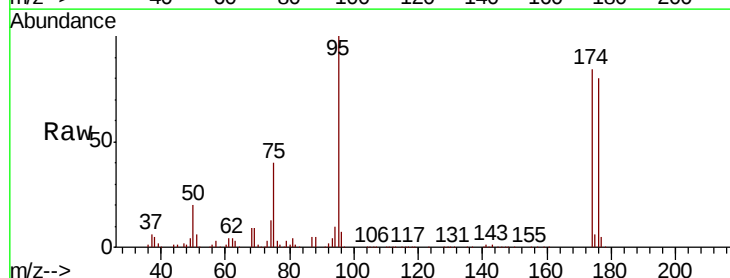
Tgt Ion: 95 Resp: 670026

Ion Ratio Lower Upper

95 100

174 84.2 0.0 195.6

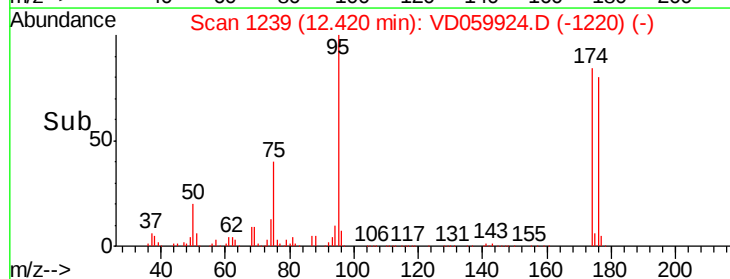
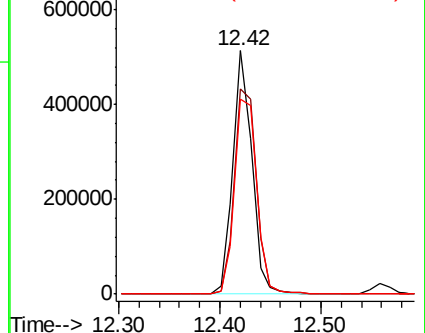
176 80.1 0.0 191.2

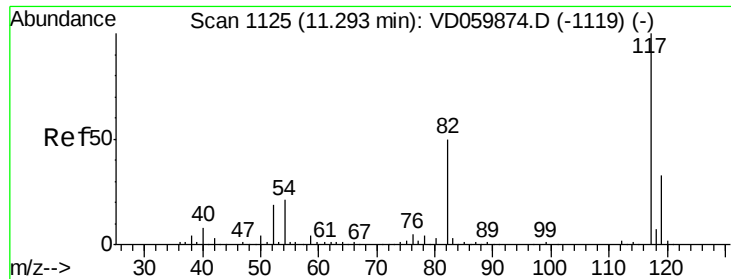


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





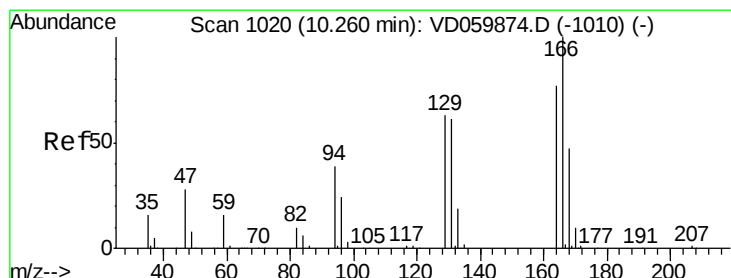
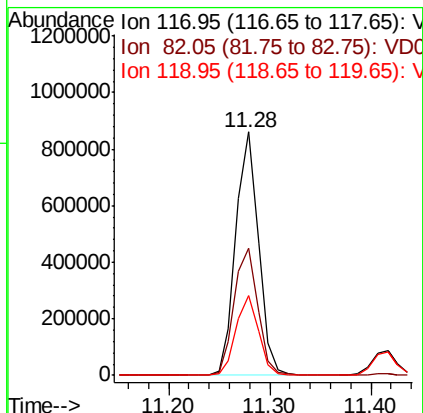
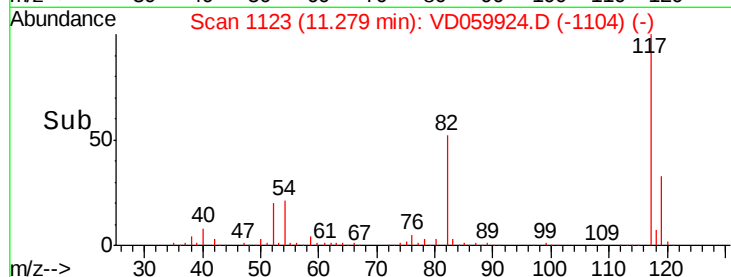
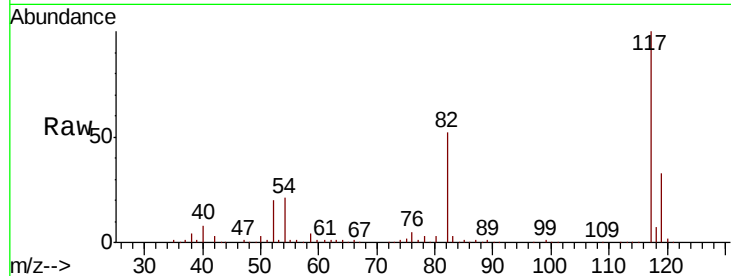
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 1123
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBSD01

Tot Ion:117 Resp: 1349465
Ion Ratio Lower Upper
117 100
82 52.4 40.1 60.1
119 32.6 26.7 40.1

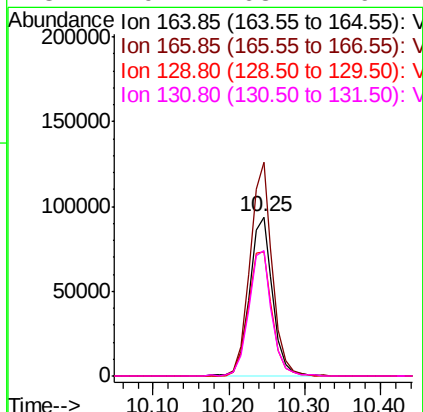
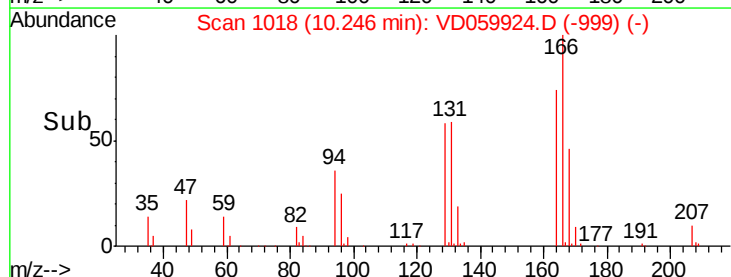
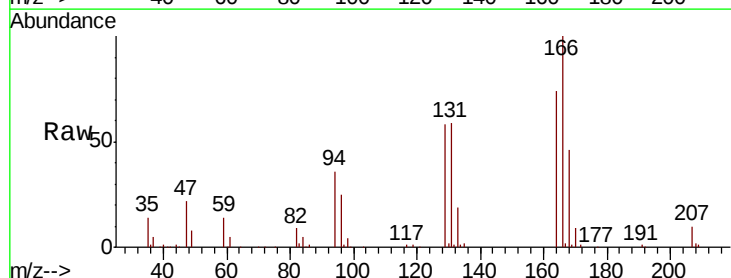
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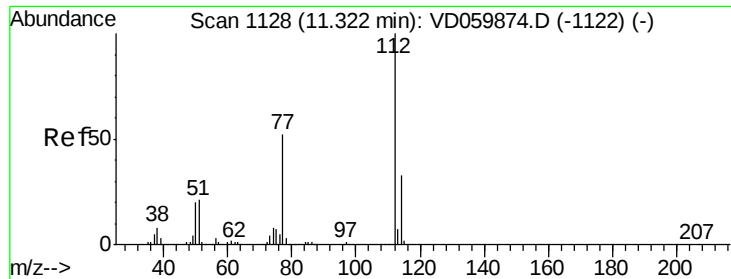
apatel
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#64
Tetrachloroethene
Concen: 18.91 ug/l
RT: 10.25 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion:164 Resp: 197263
Ion Ratio Lower Upper
164 100
166 134.5 103.4 155.2
129 78.6 65.2 97.8
131 79.1 63.1 94.7





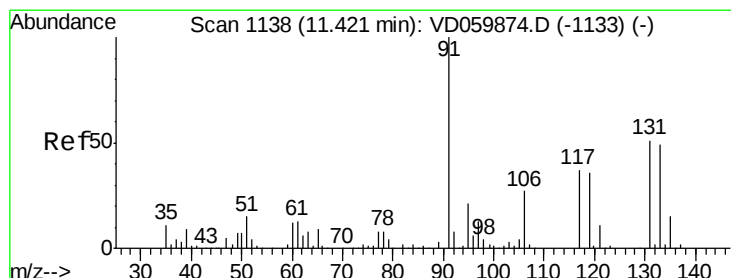
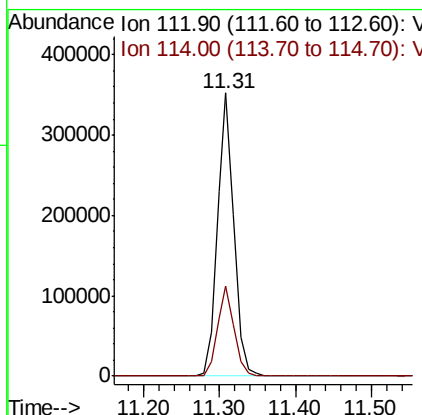
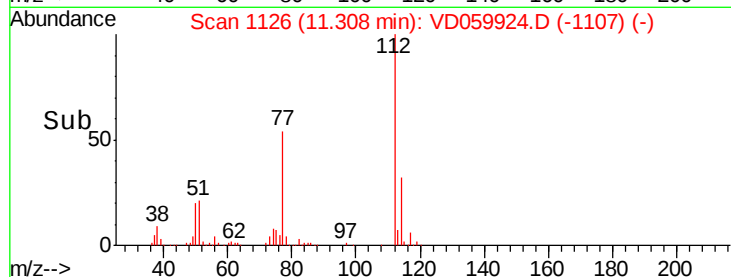
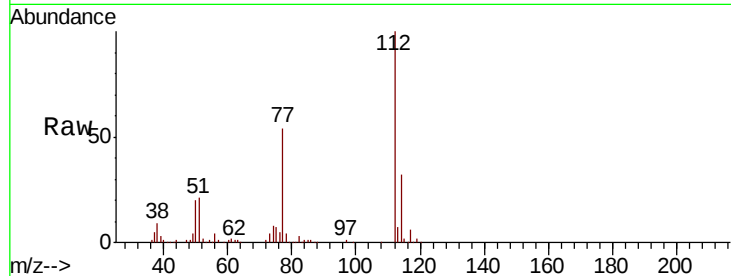
#65
Chlorobenzene
Concen: 20.03 ug/l
RT: 11.31 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion:112 Resp: 537105
Ion Ratio Lower Upper
112 100
114 31.9 26.4 39.6

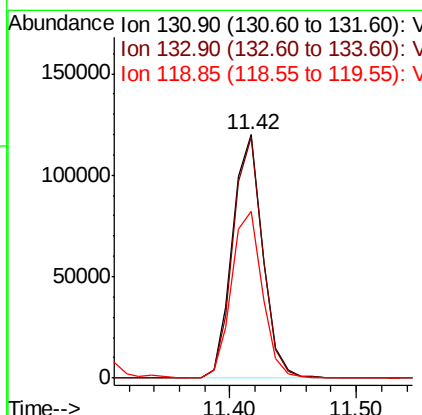
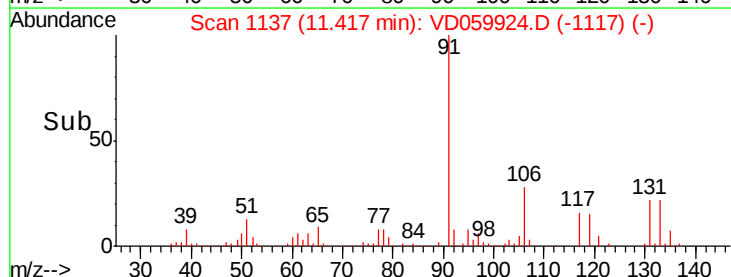
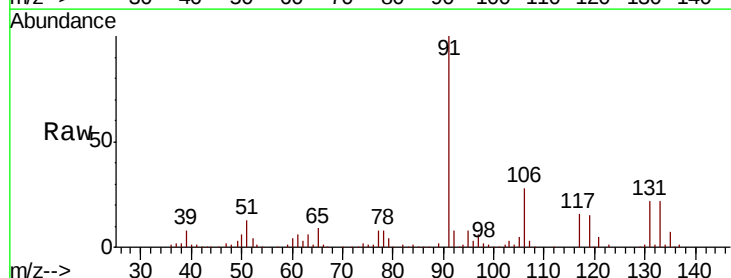
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.23 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion:131 Resp: 198165
Ion Ratio Lower Upper
131 100
133 98.9 48.3 144.8
119 68.3 35.4 106.3





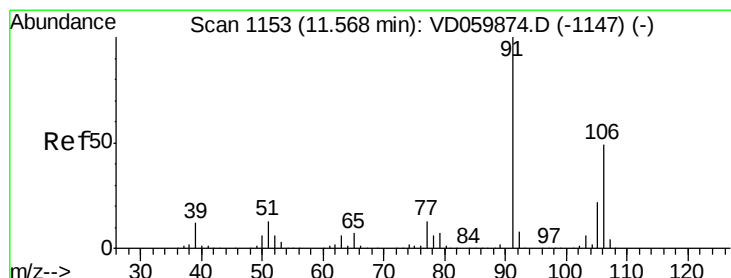
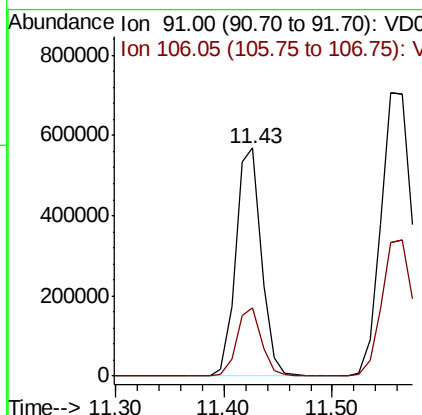
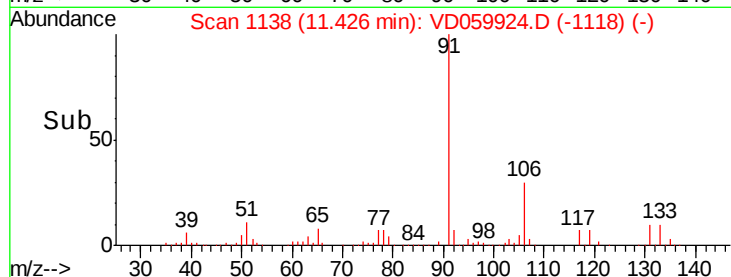
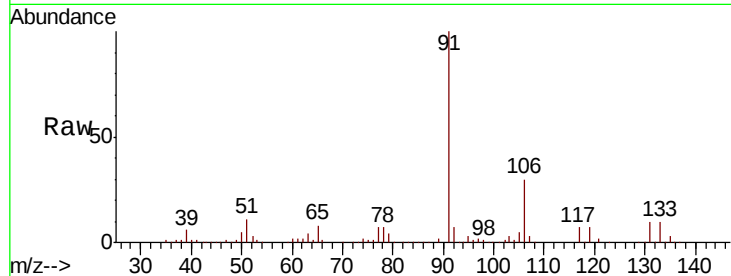
#67
Ethyl Benzene
Concen: 20.71 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion: 91 Resp: 934496
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8

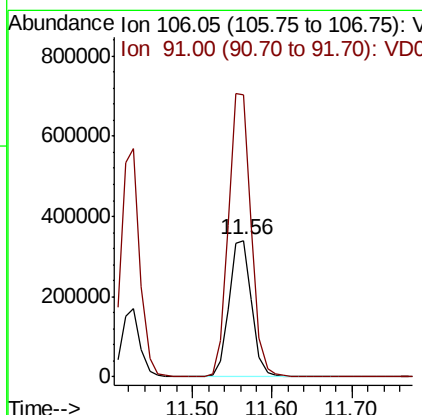
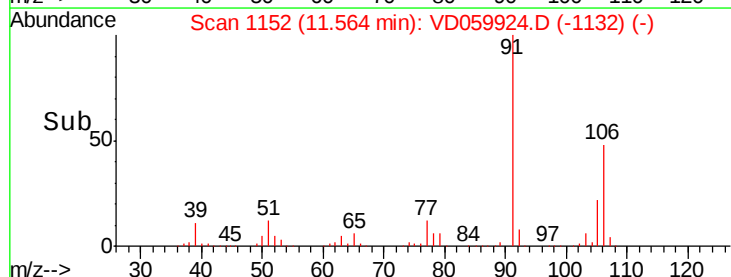
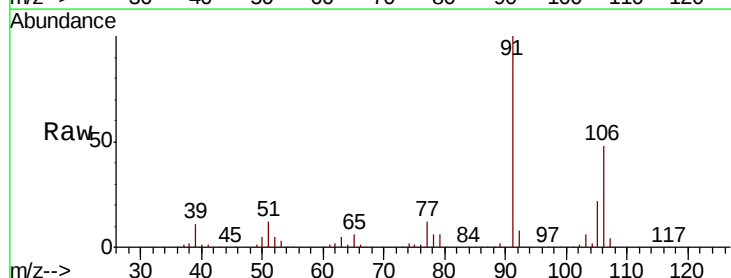
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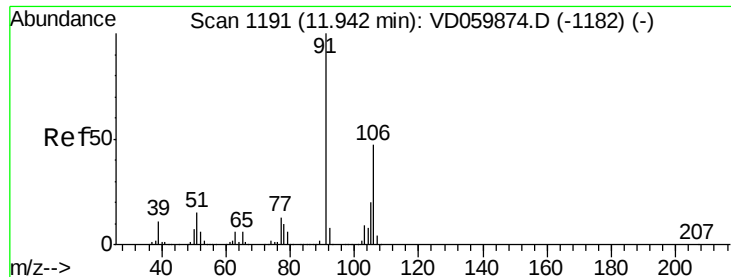
apatel
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#68
m/p-Xylenes
Concen: 41.09 ug/l
RT: 11.56 min Scan# 1152
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion: 106 Resp: 674891
Ion Ratio Lower Upper
106 100
91 206.6 162.0 243.0





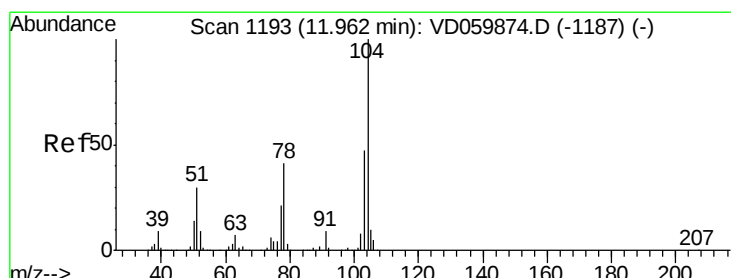
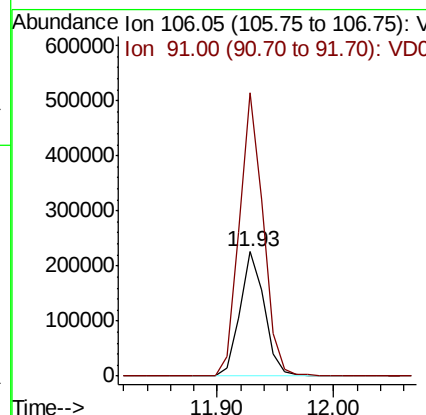
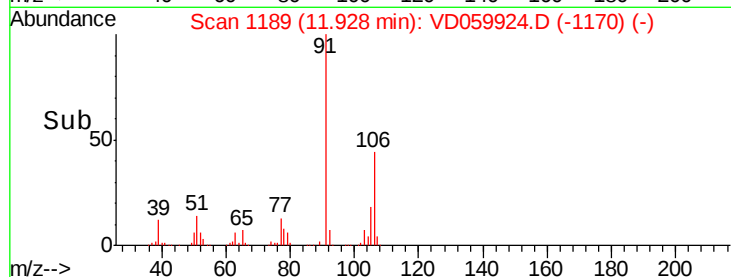
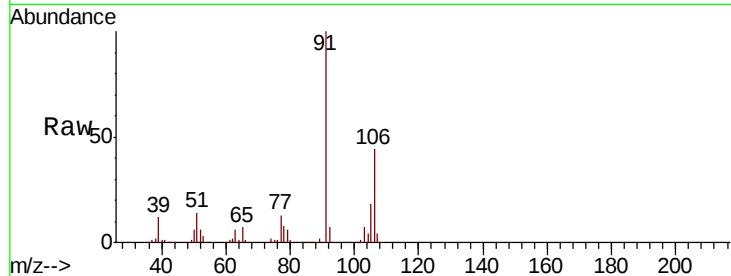
#69
o-Xylene
Concen: 20.27 ug/l
RT: 11.93 min Scan# 1189
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	325641		
91	91	228.1	107.3	322.0	

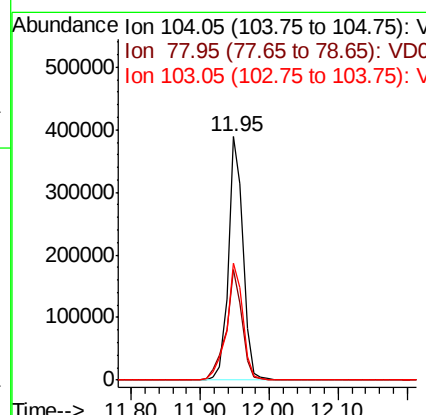
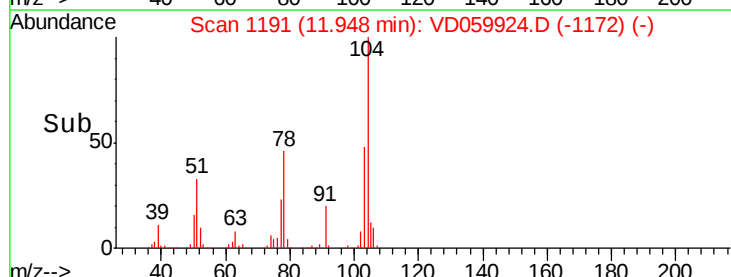
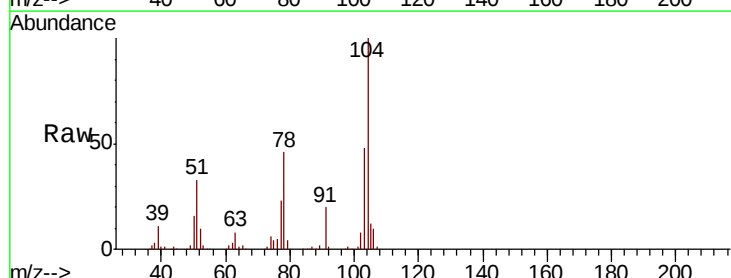
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#70
Styrene
Concen: 20.51 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	570521		
78	78	45.6	32.6	49.0	
103	103	48.0	37.7	56.5	





#71

Bromoform

Concen: 18.63 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

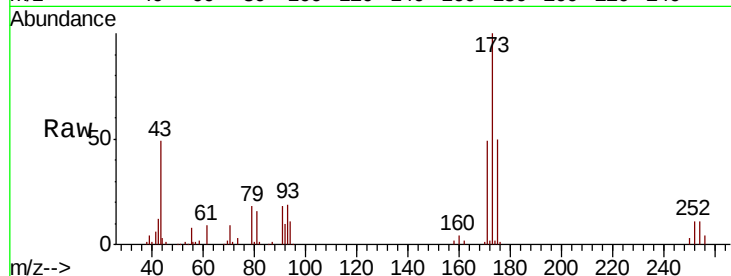
ClientSampleId :

VD0830SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.3	73.0
254	11.0	7.0	10.6

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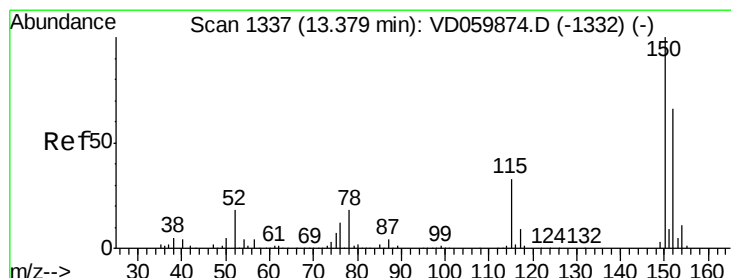
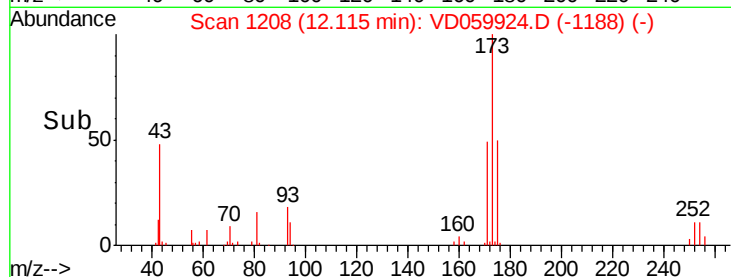
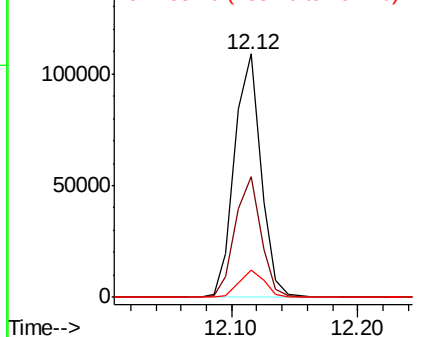


Abundance

Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

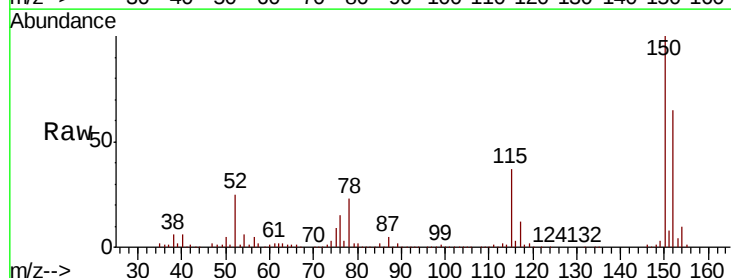
RT: 13.37 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	25.7	77.0
150	153.3	0.0	310.2

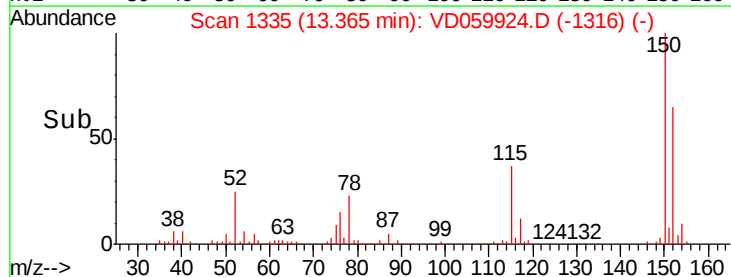
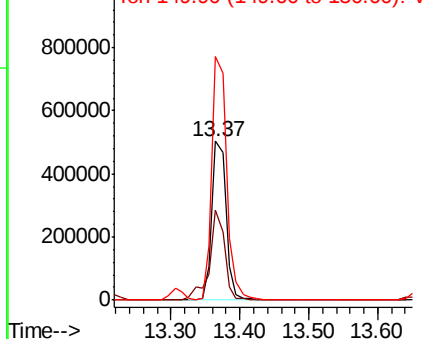


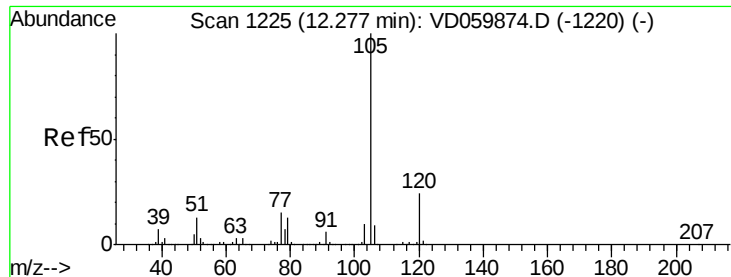
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.84 ug/l

RT: 12.27 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 105 Resp: 918656

Ion Ratio Lower Upper

105 100

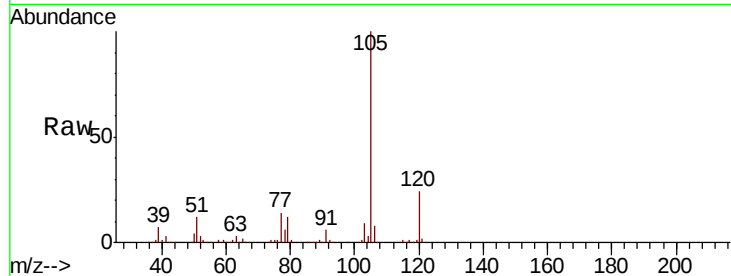
120 24.2 11.8 35.4

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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

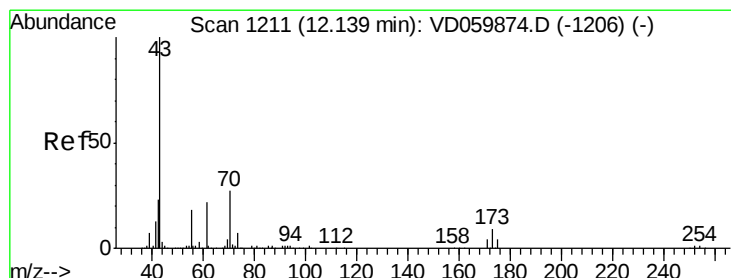
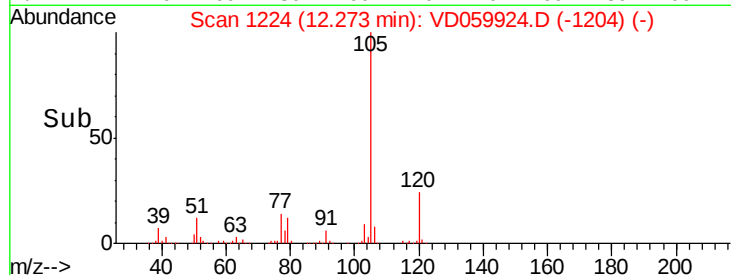
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 18.74 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Tgt Ion: 43 Resp: 379912

Ion Ratio Lower Upper

43 100

70 28.7 21.4 32.2

55 17.9 14.1 21.1

61 22.5 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

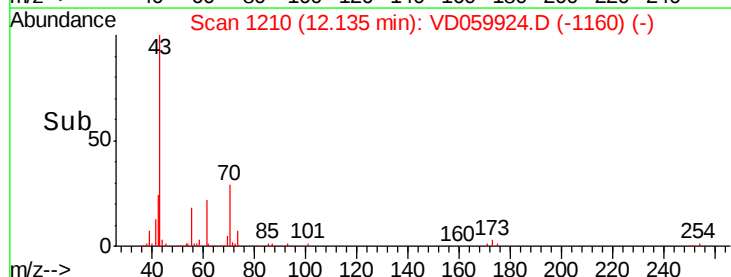
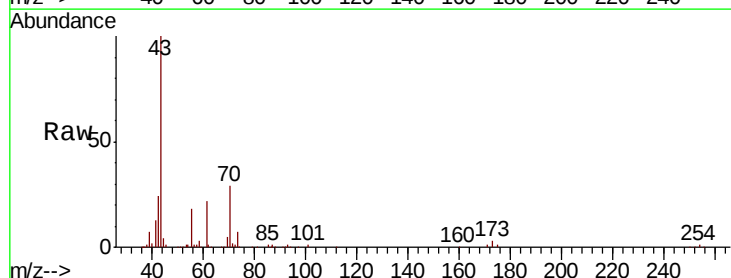
200000

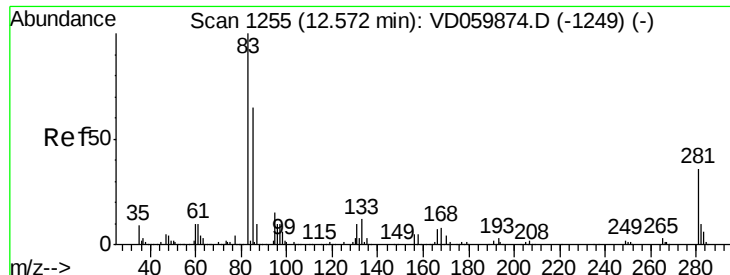
100000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.17 ug/l

RT: 12.56 min Scan# 1253

Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 83 Resp: 205261

Ion Ratio Lower Upper

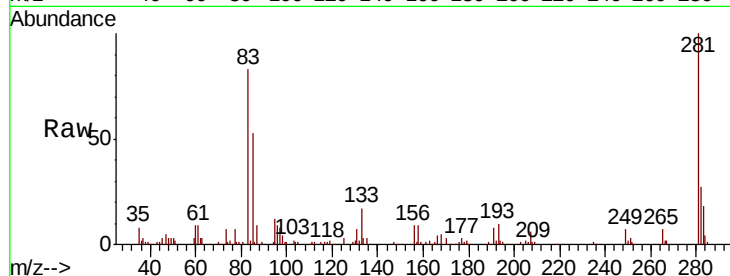
83 100

131 8.9 4.8 14.4

85 63.7 32.6 97.8

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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC

200000

150000

100000

50000

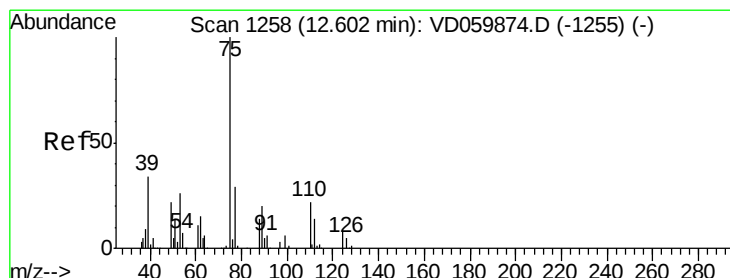
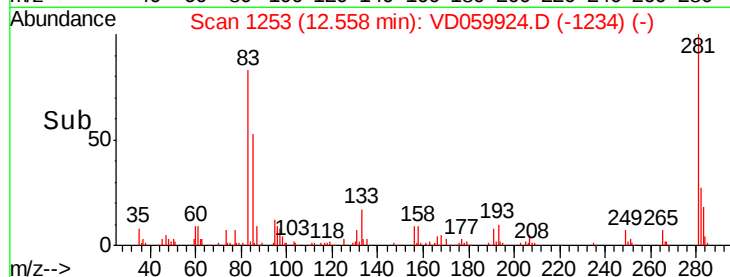
0

12.56

12.50

12.60

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.98 ug/l

RT: 12.60 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VD059924.D

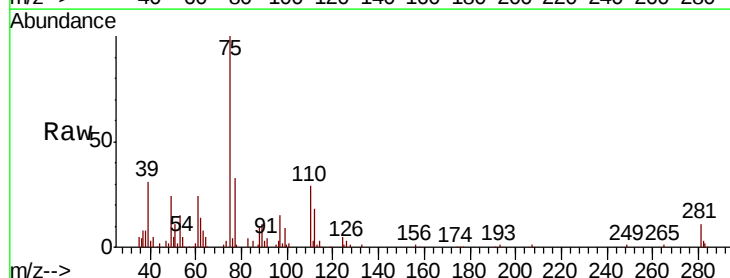
Acq: 30 Aug 2018 13:32

Tgt Ion: 75 Resp: 213911

Ion Ratio Lower Upper

75 100

77 33.2 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

250000

200000

150000

100000

50000

0

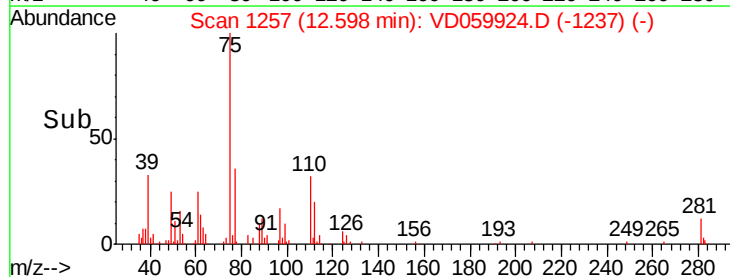
12.60

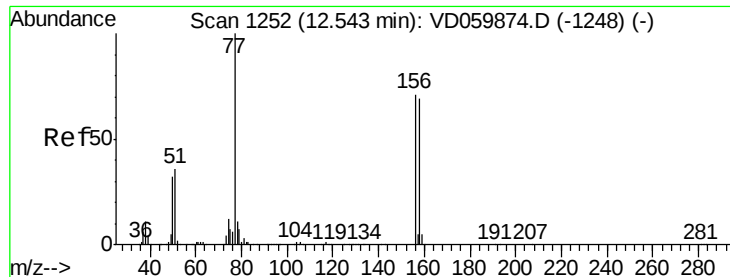
12.55

12.65

12.70

Time-->





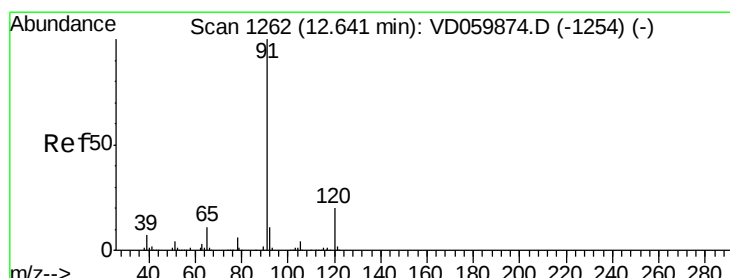
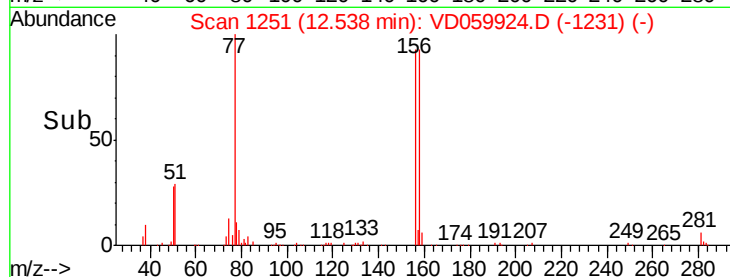
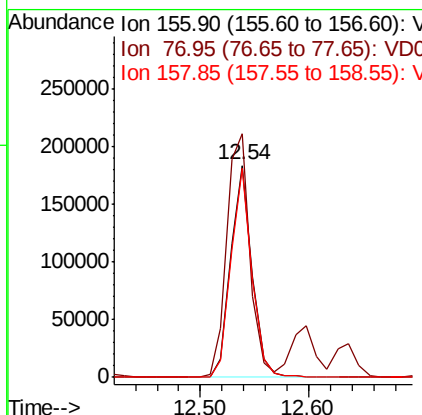
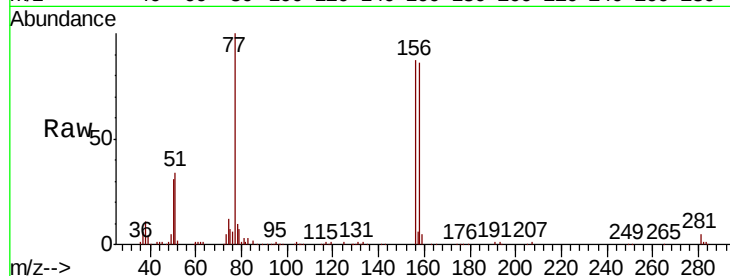
#77
Bromobenzene
Concen: 19.59 ug/l
RT: 12.54 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	115.1	70.2	210.4
158	99.1	48.4	145.2

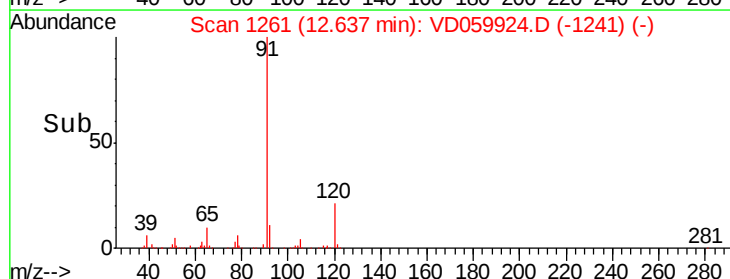
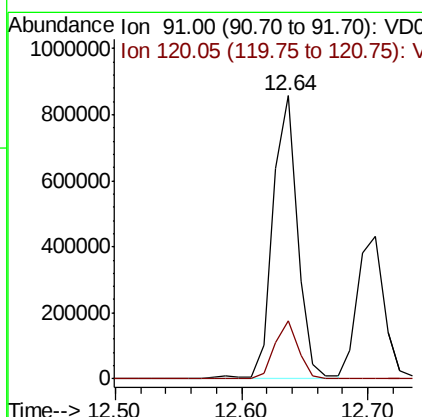
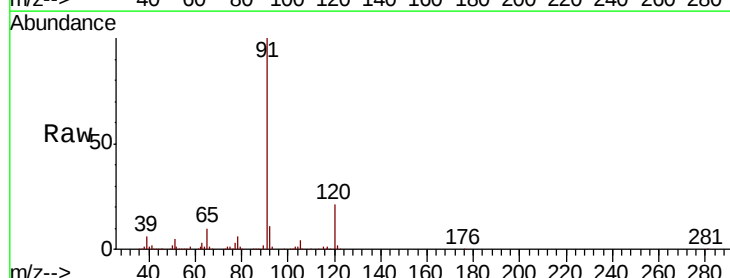
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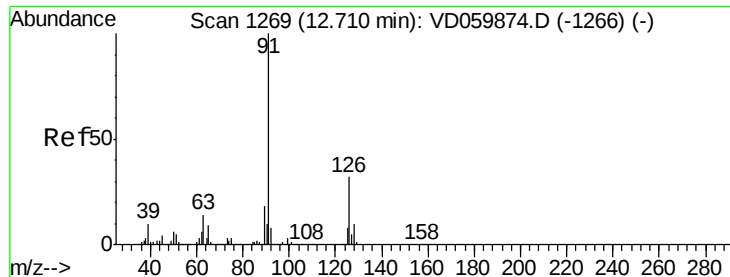
apatel
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#78
n-propylbenzene
Concen: 19.93 ug/l
RT: 12.64 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.1	30.3





#79

2-Chlorotoluene

Concen: 19.19 ug/l

RT: 12.71 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

ClientSampleId :

VD0830SBS01

Tot Ion: 91 Resp: 636149

Ion Ratio Lower Upper

91 100

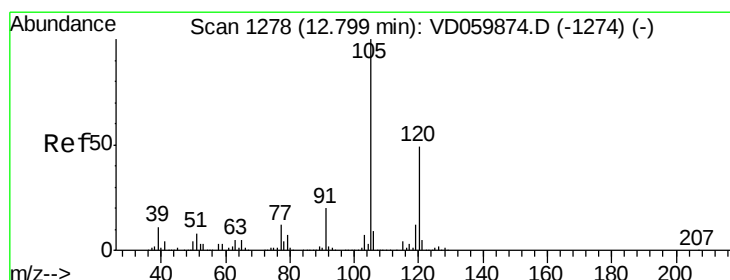
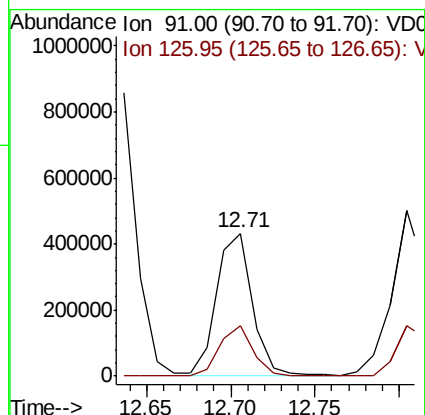
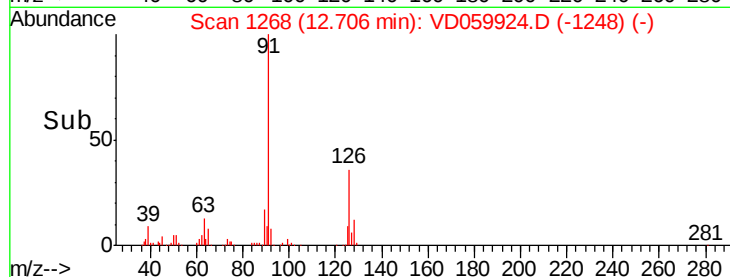
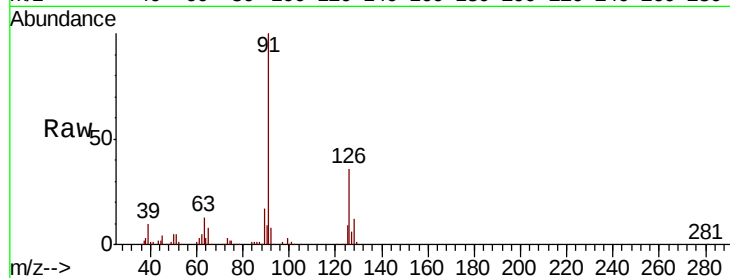
126 35.6 16.1 48.2

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#80

1,3,5-Trimethylbenzene

Concen: 19.96 ug/l

RT: 12.79 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VD059924.D

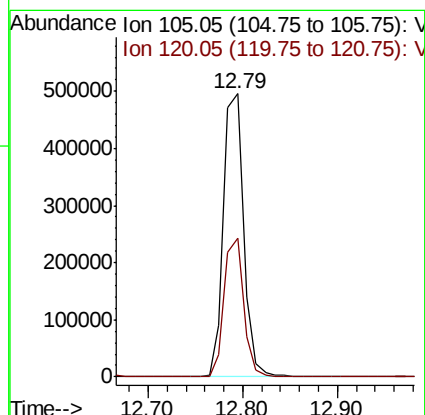
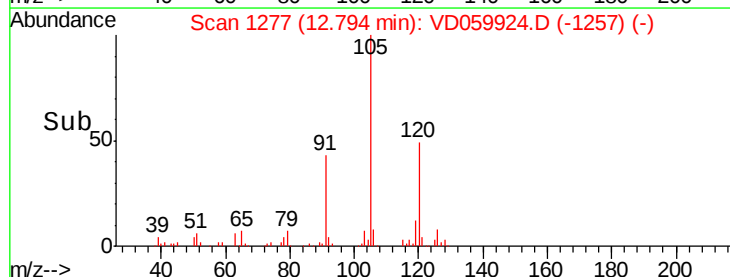
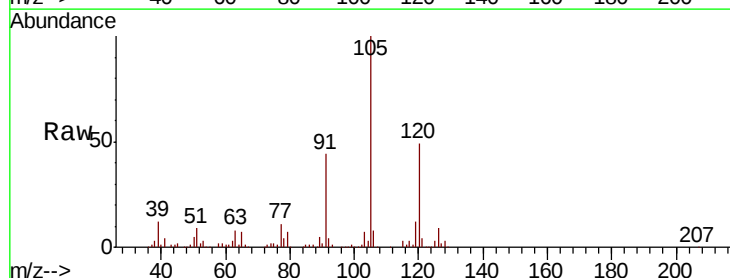
Acq: 30 Aug 2018 13:32

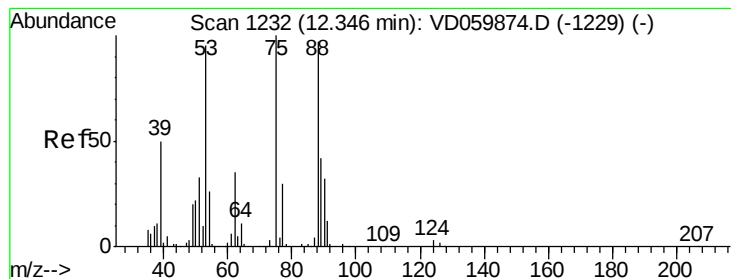
Tgt Ion: 105 Resp: 734549

Ion Ratio Lower Upper

105 100

120 49.2 24.5 73.5





#81

trans-1,4-Dichloro-2-butene

Concen: 16.69 ug/l

RT: 12.34 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Instrument :

MSVOA_D

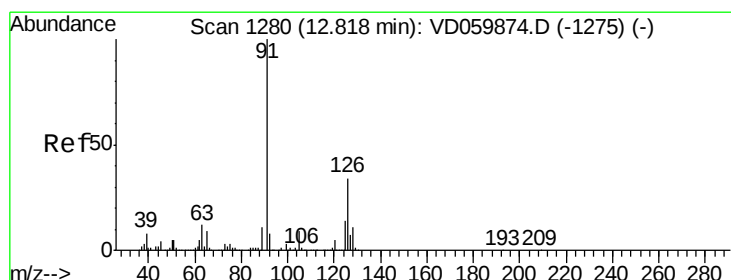
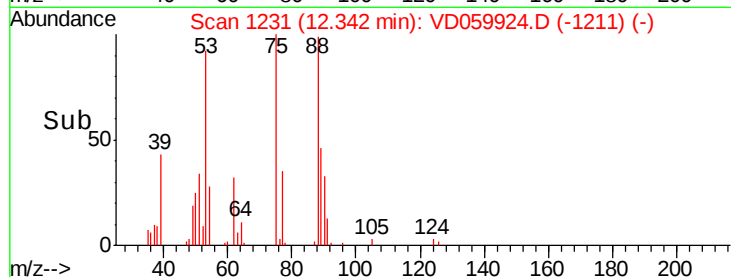
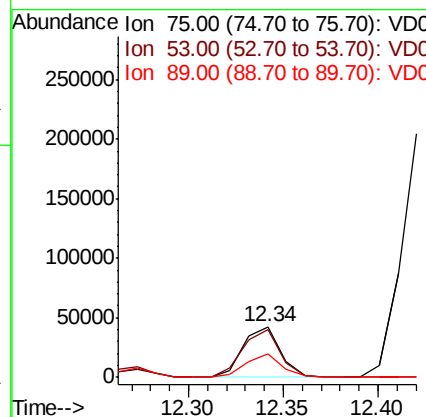
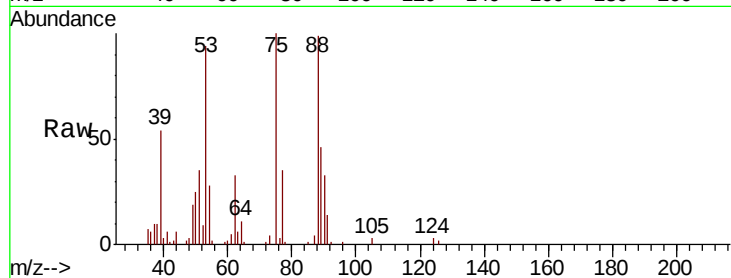
ClientSampleId :

VD0830SBS01

Tot Ion:	75	Resp:	58539
Ion	Ratio	Lower	Upper
75	100		
53	93.8	75.8	113.6
89	46.0	33.6	50.4

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#82

4-Chlorotoluene

Concen: 19.39 ug/l

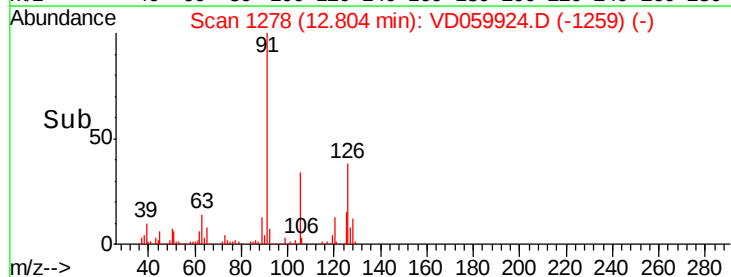
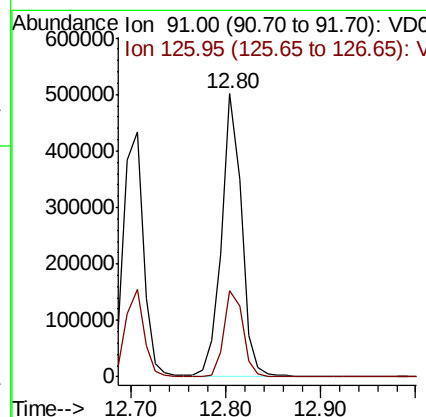
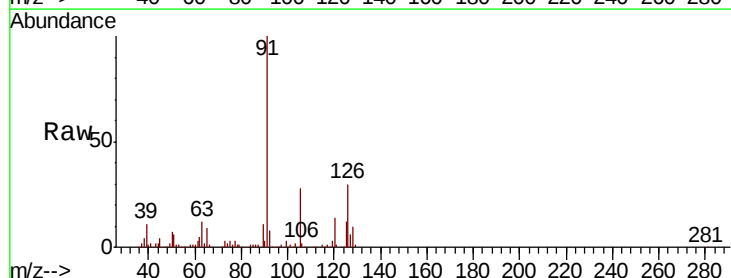
RT: 12.80 min Scan# 1278

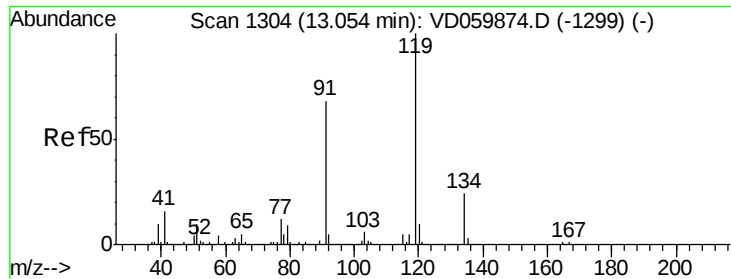
Delta R.T. -0.01 min

Lab File: VD059924.D

Acq: 30 Aug 2018 13:32

Tgt Ion:	91	Resp:	733101
Ion	Ratio	Lower	Upper
91	100		
126	30.5	17.1	51.2





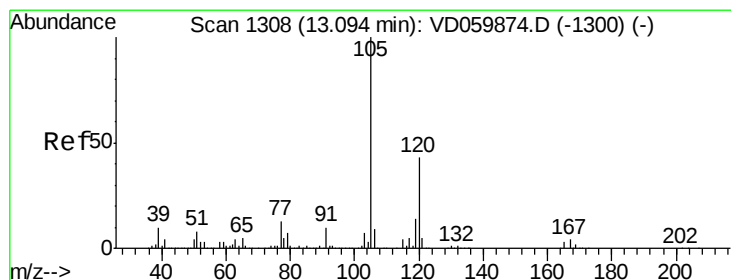
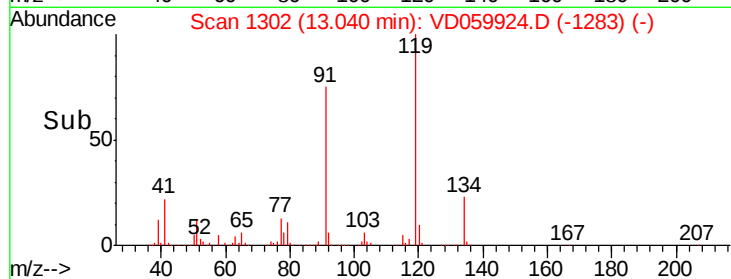
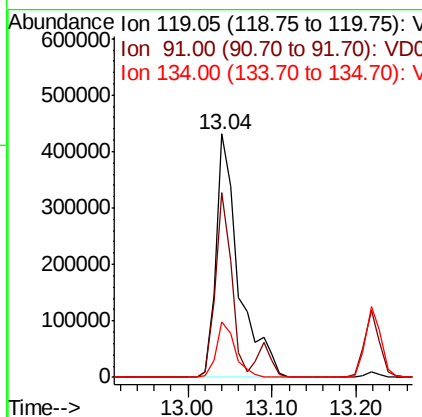
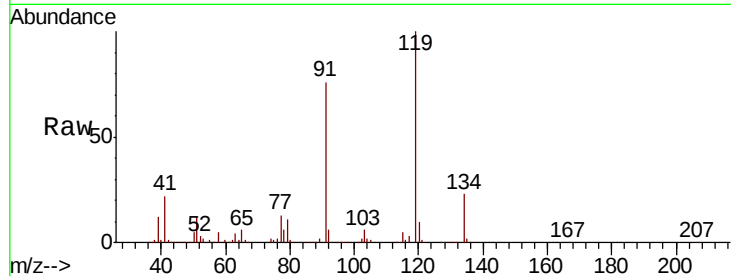
#83
 tert-Butylbenzene
 Concen: 19.33 ug/l
 RT: 13.04 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	810686		
91	75.7		34.3	102.9
134	22.9		11.9	35.9

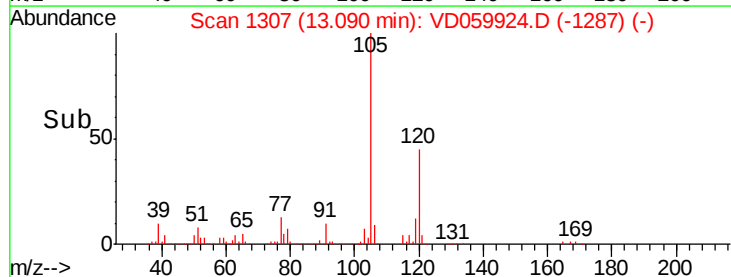
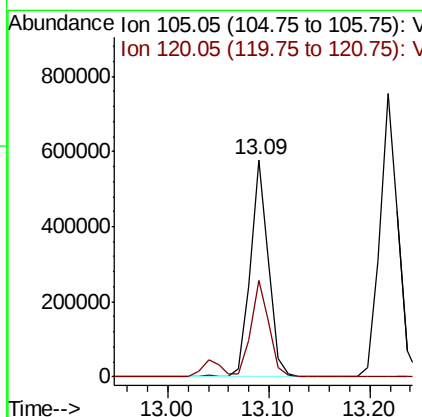
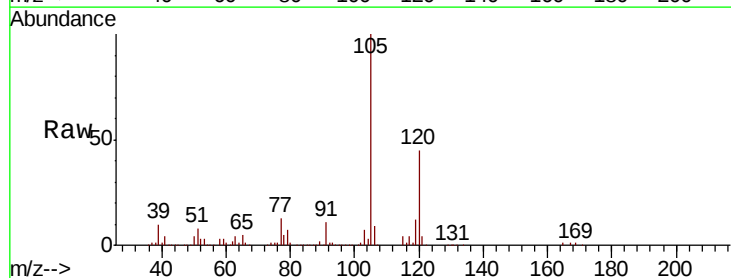
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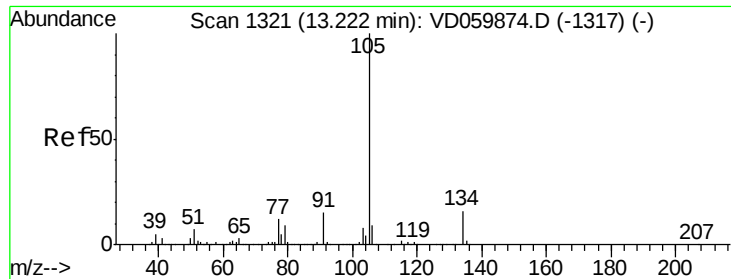
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.07 ug/l
 RT: 13.09 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	731689		
120	44.5		21.8	65.3





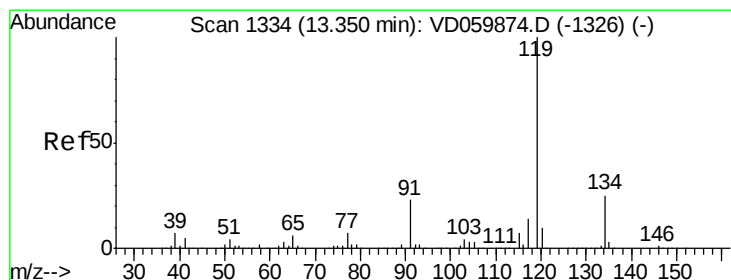
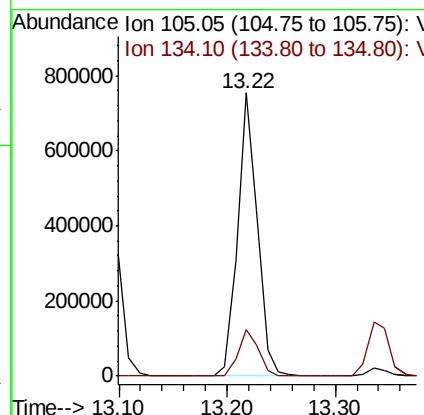
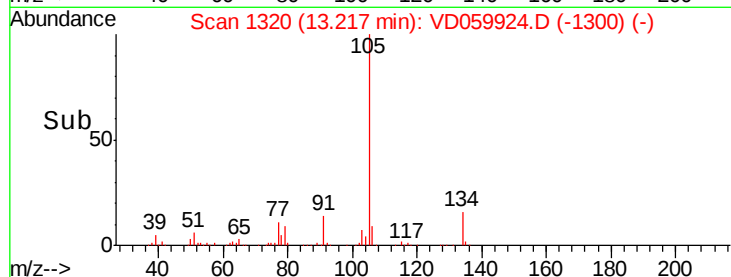
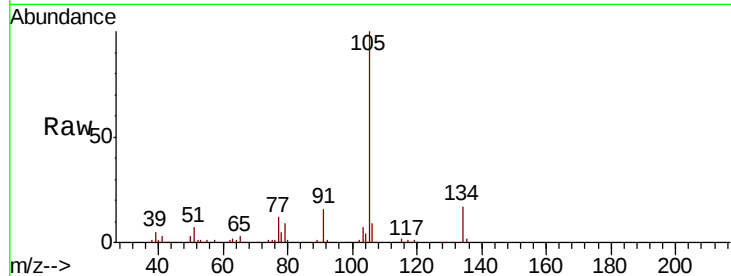
#85
 sec-Butylbenzene
 Concen: 19.32 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	16.6	8.2	24.4

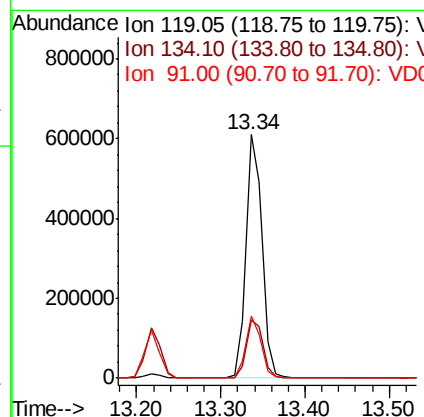
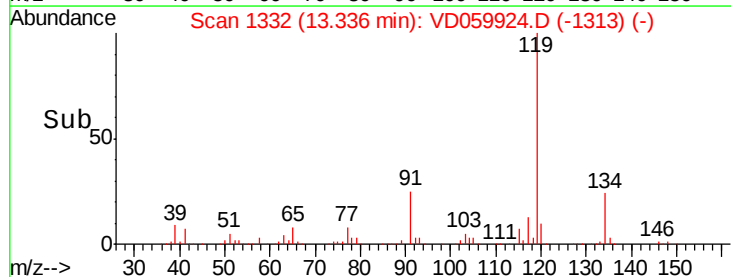
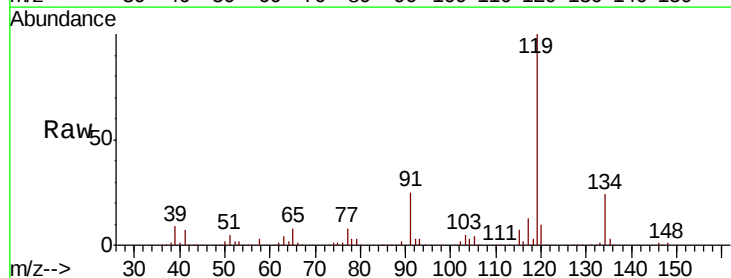
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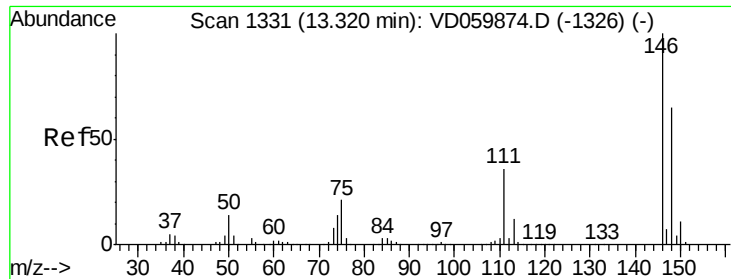
apatel
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#86
 p-Isopropyltoluene
 Concen: 20.09 ug/l
 RT: 13.34 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	23.6	12.7	38.1
91	25.3	11.7	35.0





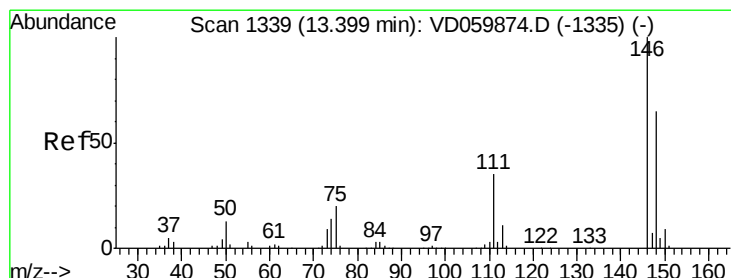
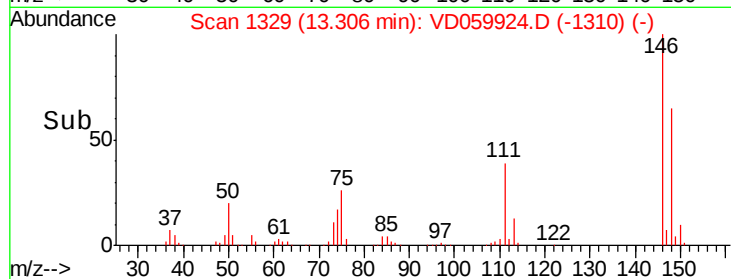
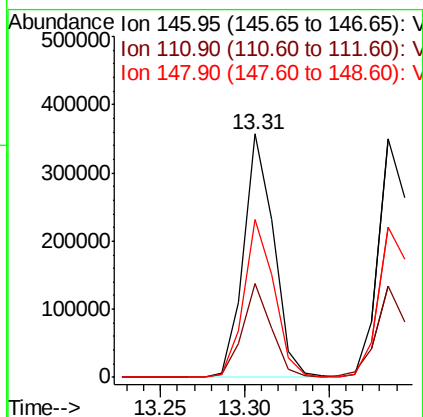
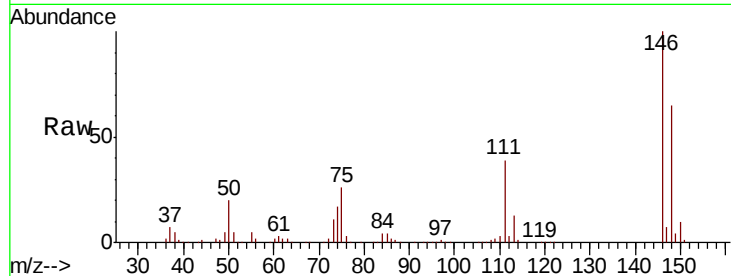
#87
 1,3-Dichlorobenzene
 Concen: 19.39 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	17.9	53.7
148	64.6	32.4	97.0

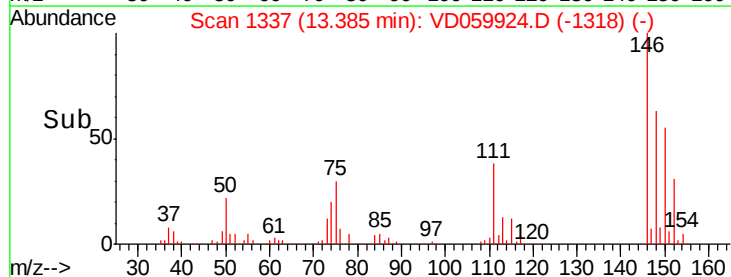
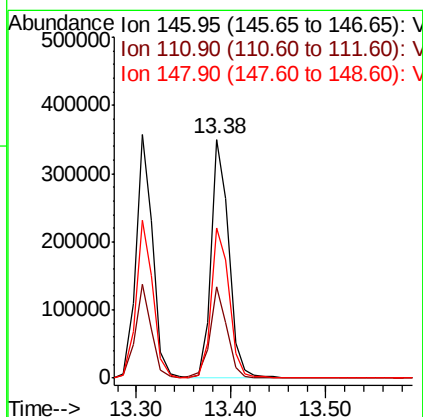
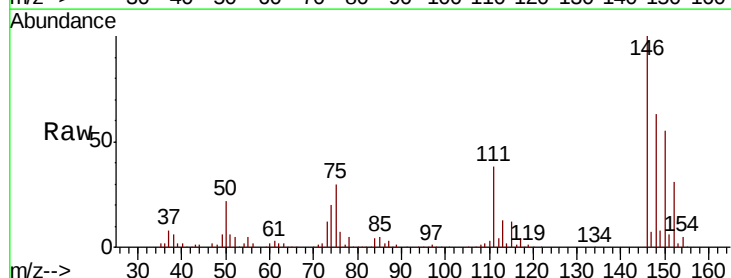
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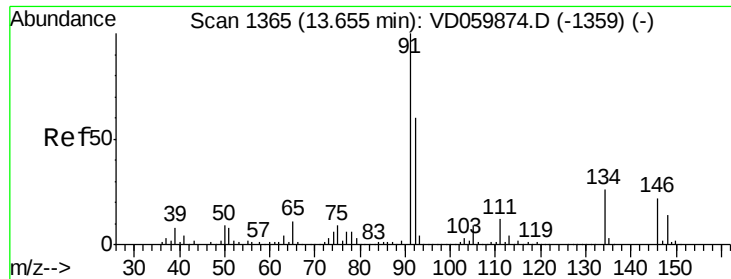
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 19.96 ug/l
 RT: 13.38 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	17.5	52.6
148	63.0	32.5	97.5





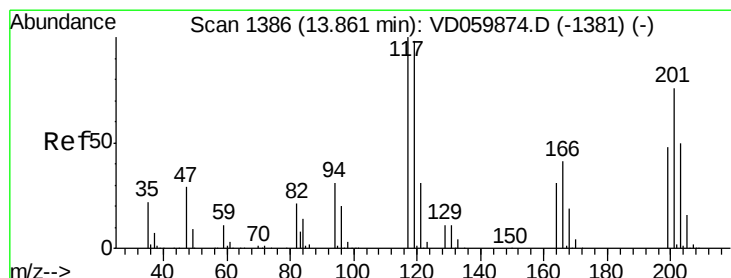
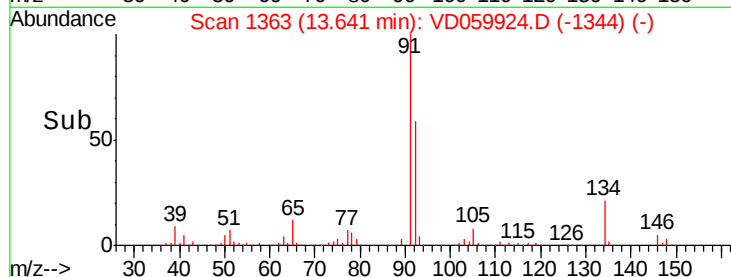
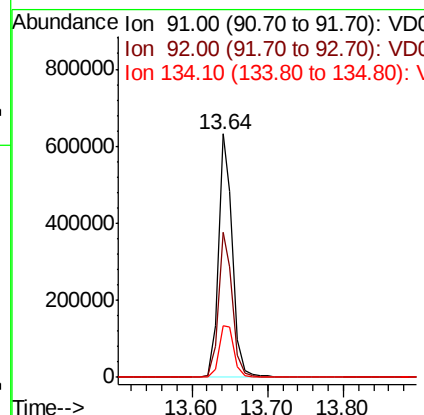
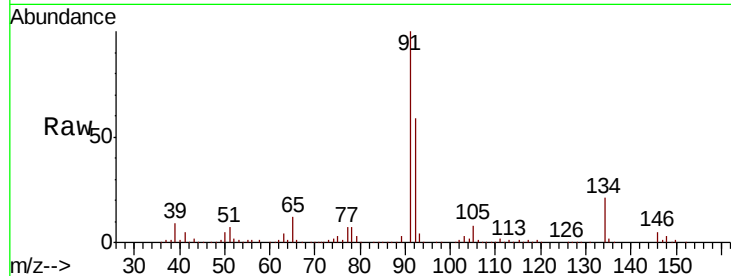
#89
n-Butylbenzene
Concen: 18.88 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.4	30.0	90.1
134	21.0	12.8	38.4

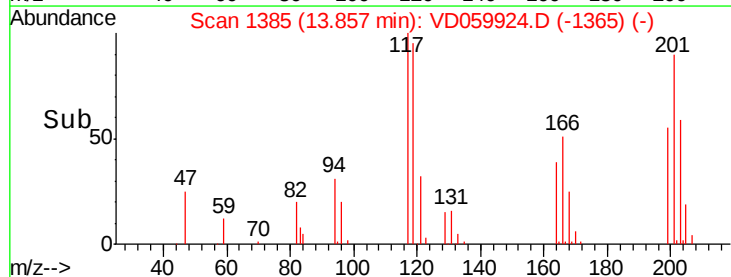
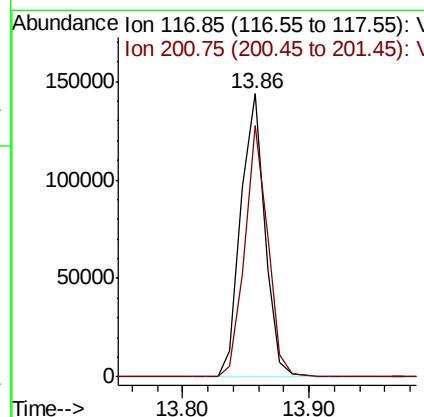
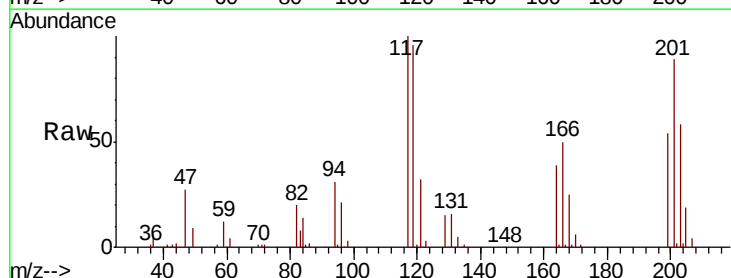
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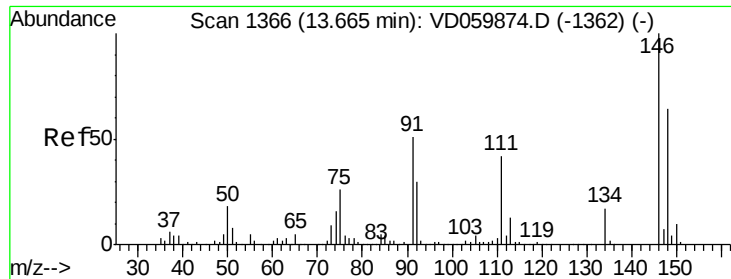
apatel
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#90
Hexachloroethane
Concen: 17.44 ug/l
RT: 13.86 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.0	38.1	114.5





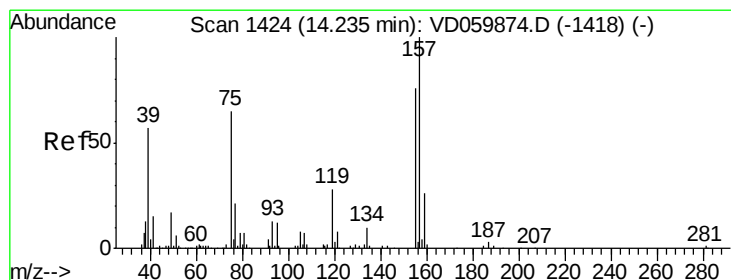
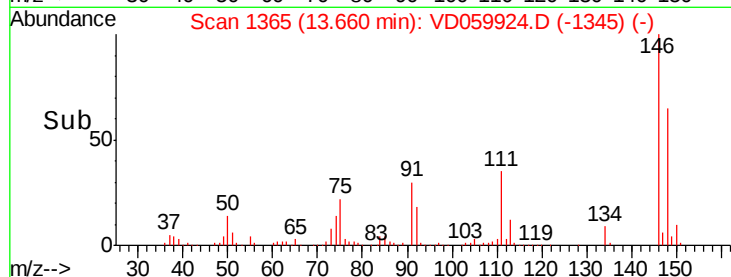
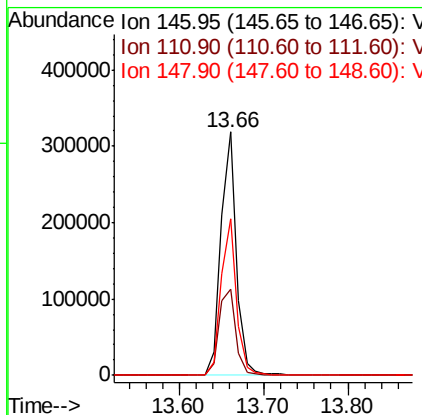
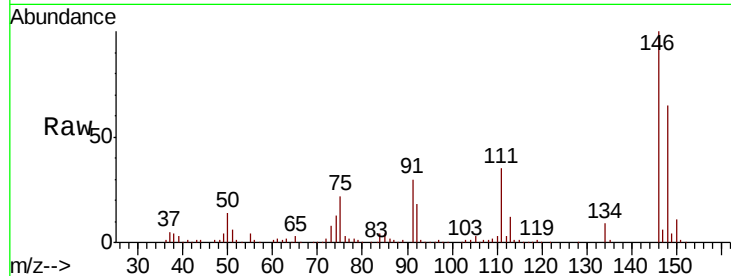
#91
 1,2-Dichlorobenzene
 Concen: 20.90 ug/l
 RT: 13.66 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.3	21.1	63.1
148	64.6	32.2	96.6

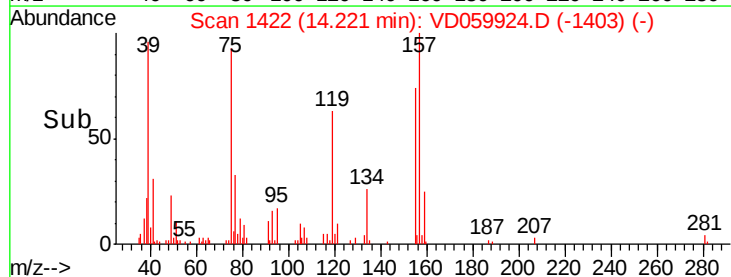
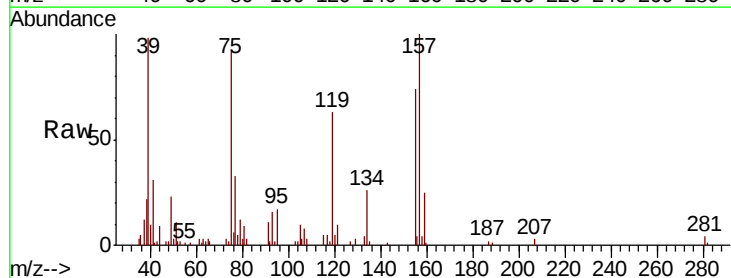
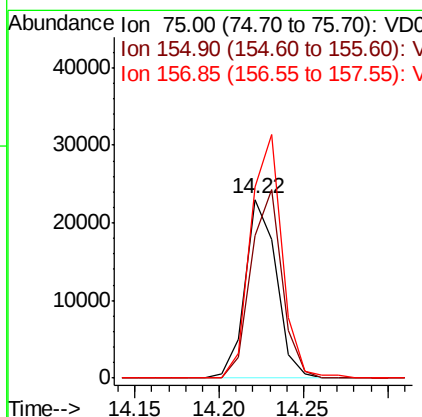
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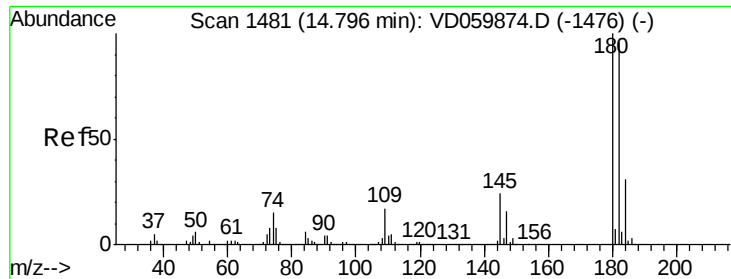
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.88 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.6	58.2	174.6
157	107.3	76.8	230.4





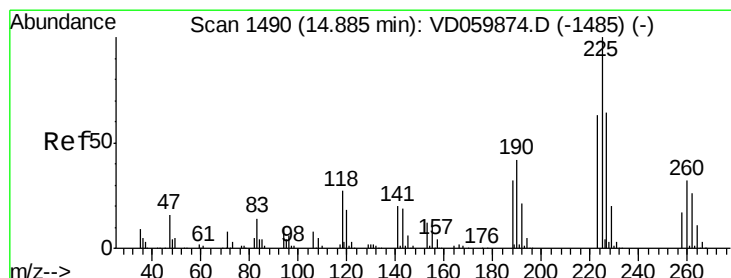
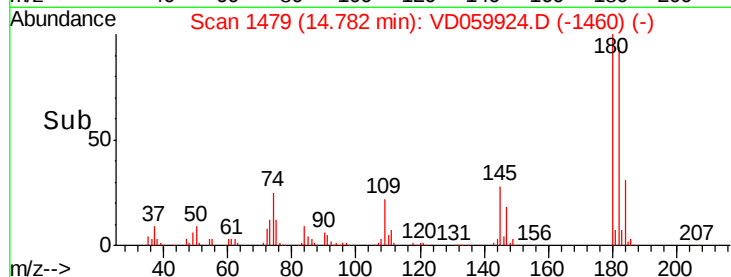
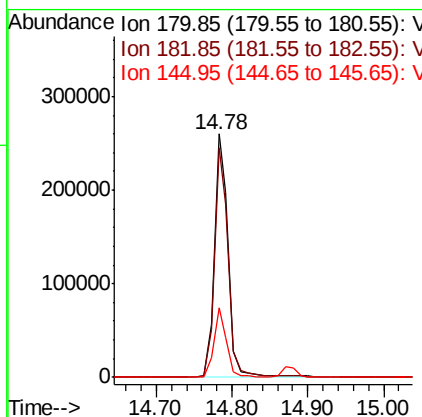
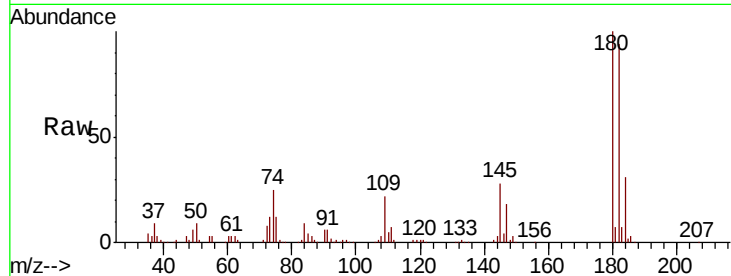
#93
 1,2,4-Trichlorobenzene
 Concen: 20.25 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0830SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	337906		
182	94.0	47.9	143.7	
145	28.3	12.2	36.4	

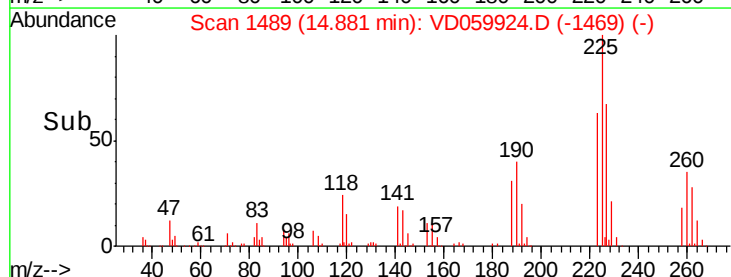
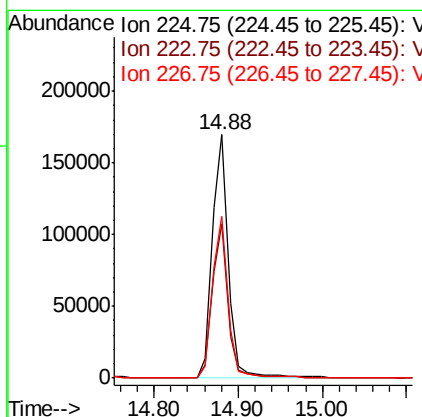
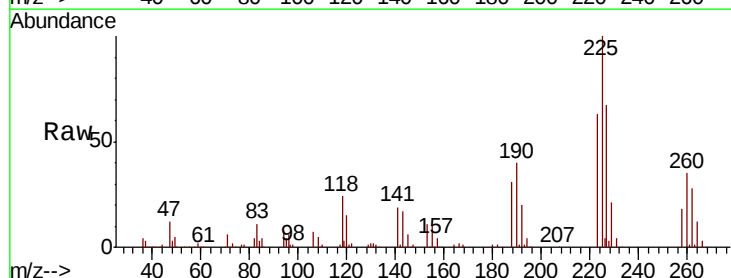
Manual Integrations
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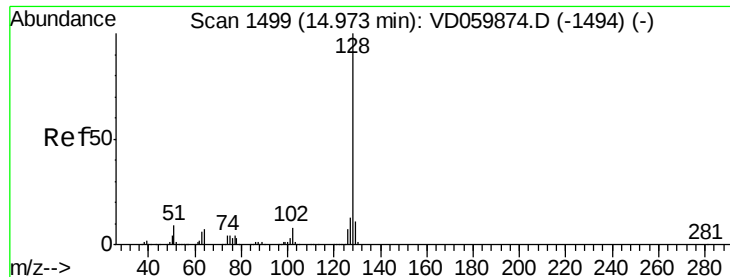
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#94
 Hexachlorobutadiene
 Concen: 20.58 ug/l
 RT: 14.88 min Scan# 1489
 Delta R.T. -0.00 min
 Lab File: VD059924.D
 Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	225083		
223	63.2	31.6	94.8	
227	66.6	32.0	96.0	





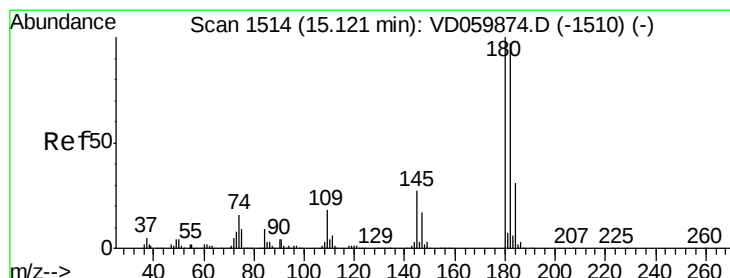
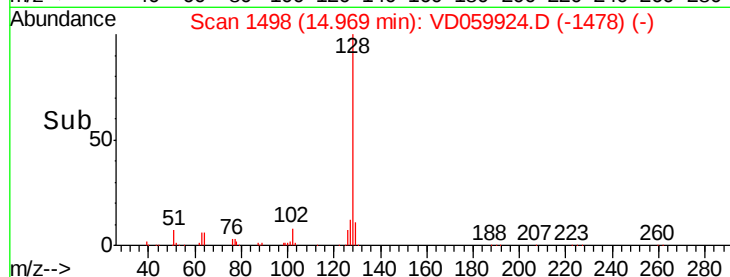
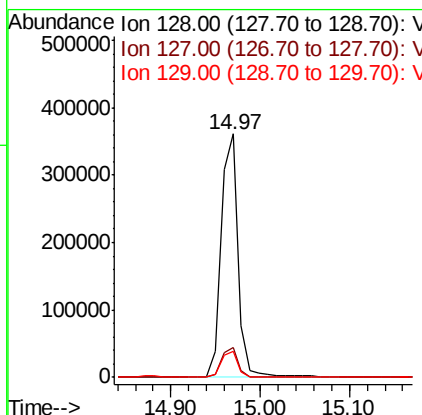
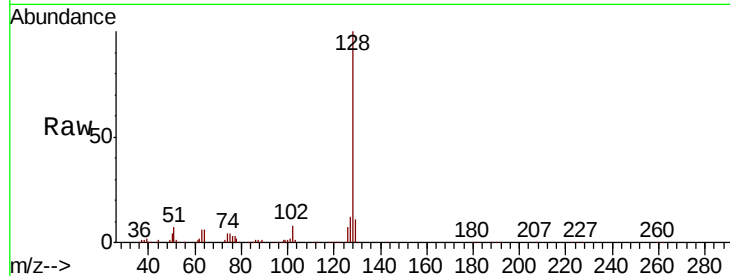
#95
Naphthalene
Concen: 19.04 ug/l
RT: 14.97 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Instrument :
MSVOA_D
ClientSampleId :
VD0830SBSD01

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

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.82 ug/l
RT: 15.12 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VD059924.D
Acq: 30 Aug 2018 13:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.6	145.8
145	25.2	13.6	40.8

