

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059962.D
 Acq On : 5 Sep 2018 11:51
 Operator : JC/SY
 Sample : VD0905SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Manual Integrations
 APPROVED

apatel
 9/6/2018 2:16:44 PM

Quant Time: Sep 05 15:06:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1293355	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	1723526	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1467298	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	775119	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	510642	46.84	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	6.30	113	688171	50.93	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.86%	
50) Toluene-d8	9.44	98	1859196	49.58	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.42	95	754428	49.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	192236	16.63	ug/l	98
3) Chloromethane	1.74	50	167611	16.00	ug/l	95
4) Vinyl Chloride	1.83	62	137195	16.71	ug/l	97
5) Bromomethane	2.12	94	12158	8.57	ug/l	100
6) Chloroethane	2.23	64	36530	12.25	ug/l	91
7) Trichlorofluoromethane	2.47	101	178524	18.79	ug/l	98
8) Diethyl Ether	2.80	74	40119	18.82	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.05	101	121334	20.85	ug/l	93
10) Methyl Iodide	3.21	142	89455	16.90	ug/l	97
11) Tert butyl alcohol	3.96	59	83090	99.90	ug/l #	95
12) 1,1-Dichloroethene	3.04	96	88874	19.62	ug/l	94
13) Acrolein	2.95	56	17976	49.83	ug/l	100
14) Allyl chloride	3.51	41	193155	18.85	ug/l	96
15) Acrylonitrile	4.06	53	298428	95.81	ug/l	100
16) Acetone	3.13	43	186035	93.67	ug/l	96
17) Carbon Disulfide	3.28	76	203642	14.48	ug/l	100
18) Methyl Acetate	3.52	43	70071	16.90	ug/l #	93
19) Methyl tert-butyl Ether	4.10	73	487036	19.01	ug/l	96
20) Methylene Chloride	3.68	84	365886	25.80	ug/l	96
21) trans-1,2-Dichloroethene	4.07	96	221398	17.74	ug/l	96
22) Diisopropyl ether	4.82	45	1024771	19.61	ug/l	99
23) Vinyl Acetate	4.77	43	3002696	102.78	ug/l	100
24) 1,1-Dichloroethane	4.73	63	440880	19.53	ug/l	100
25) 2-Butanone	5.59	43	512138	87.07	ug/l	97
26) 2,2-Dichloropropane	5.55	77	371483	19.68	ug/l	95
27) cis-1,2-Dichloroethene	5.56	96	274701	20.10	ug/l	96
28) Bromochloromethane	5.90	49	217168	20.07	ug/l	92
29) Tetrahydrofuran	5.93	42	286354	102.26	ug/l	99
30) Chloroform	6.07	83	472206	20.58	ug/l	97
31) Cyclohexane	6.34	56	359487	17.32	ug/l	97
32) 1,1,1-Trichloroethane	6.26	97	368461	18.92	ug/l	98
36) 1,1-Dichloropropene	6.50	75	326794	20.92	ug/l	99
37) Ethyl Acetate	5.67	43	244638	20.12	ug/l	100
38) Carbon Tetrachloride	6.47	117	313169	19.86	ug/l	99

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 Sample : VD0905SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: Sep 05 15:06:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	320015	18.96	ug/l	99
40) Benzene	6.77	78	822665	20.25	ug/l	99
41) Methacrylonitrile	5.90	41	128300m	20.95	ug/l	
42) 1,2-Dichloroethane	6.87	62	264650	20.29	ug/l	100
43) Isopropyl Acetate	8.33	43	326950	20.67	ug/l	100
44) Trichloroethene	7.72	130	244427	20.43	ug/l	98
45) 1,2-Dichloropropane	8.08	63	236823	20.86	ug/l	100
46) Dibromomethane	8.19	93	148107	20.28	ug/l	99
47) Bromodichloromethane	8.46	83	339666	20.55	ug/l	98
48) Methyl methacrylate	8.23	41	188278	20.42	ug/l	98
49) 1,4-Dioxane	8.21	88	36259	440.48	ug/l #	87
51) 4-Methyl-2-Pentanone	9.32	43	1078041	91.42	ug/l	95
52) Toluene	9.53	92	533858	20.49	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	310171	20.29	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	366167	20.66	ug/l	98
55) 1,1,2-Trichloroethane	10.17	97	195190	20.50	ug/l	98
56) Ethyl methacrylate	10.01	69	223373	20.33	ug/l	98
57) 1,3-Dichloropropane	10.36	76	290156	21.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	622466	118.07	ug/l	98
59) 2-Hexanone	10.47	43	804672	92.52	ug/l	97
60) Dibromochloromethane	10.62	129	241340	20.16	ug/l	98
61) 1,2-Dibromoethane	10.75	107	192217	19.96	ug/l	98
64) Tetrachloroethene	10.24	164	230457	20.31	ug/l	98
65) Chlorobenzene	11.30	112	622654	21.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	218462	20.51	ug/l	96
67) Ethyl Benzene	11.42	91	1024742	20.89	ug/l	98
68) m/p-Xylenes	11.55	106	750099	42.00	ug/l	95
69) o-Xylene	11.92	106	374537	21.44	ug/l	95
70) Styrene	11.95	104	631947	20.89	ug/l	99
71) Bromoform	12.11	173	174616	18.94	ug/l #	97
73) Isopropylbenzene	12.26	105	1015866	20.53	ug/l	99
74) N-amyl acetate	12.13	43	420666	19.42	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	236036	20.62	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	236755	19.65	ug/l	100
77) Bromobenzene	12.53	156	287850	20.98	ug/l	96
78) n-propylbenzene	12.63	91	1323865	21.13	ug/l	98
79) 2-Chlorotoluene	12.70	91	738082	20.83	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	820997	20.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	68860	18.38	ug/l	94
82) 4-Chlorotoluene	12.80	91	859229	21.26	ug/l	98
83) tert-Butylbenzene	13.04	119	929875	20.75	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	836275	20.40	ug/l	99
85) sec-Butylbenzene	13.22	105	1090206	20.69	ug/l	96
86) p-Isopropyltoluene	13.34	119	914328	21.33	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	528522	21.58	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	516500	21.14	ug/l	98
89) n-Butylbenzene	13.64	91	957926	20.73	ug/l	98
90) Hexachloroethane	13.85	117	212733	18.49	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	474373	22.78	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	31773	18.06	ug/l	92

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

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	370434	20.78	ug/l	98
94) Hexachlorobutadiene	14.87	225	250461	21.43	ug/l	100
95) Naphthalene	14.96	128	559117	20.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	310866	20.38	ug/l	100

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

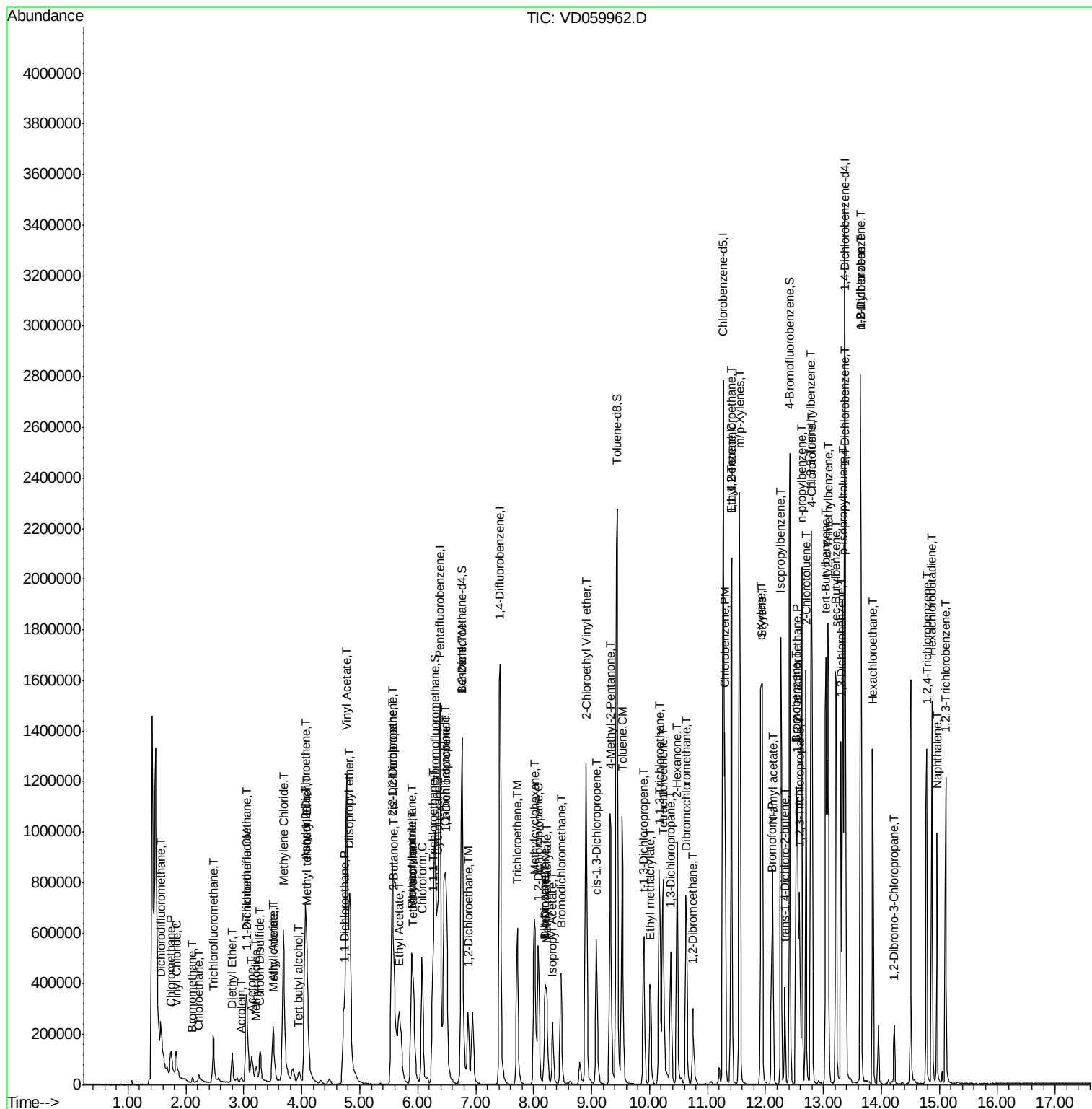
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090518\
 Data File : VD059962.D
 Acq On : 5 Sep 2018 11:51
 Operator : JC/SY
 Sample : VD0905SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

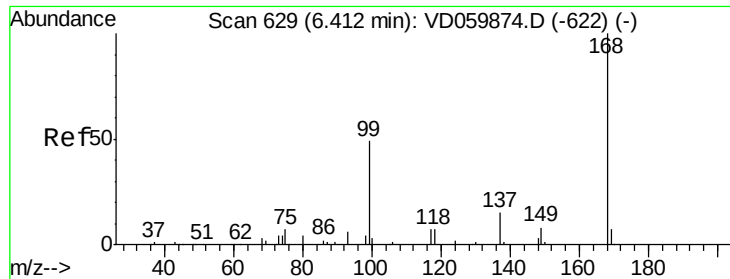
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0905SBS01

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 625

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion:168 Resp: 1293355

Ion Ratio Lower Upper

168 100

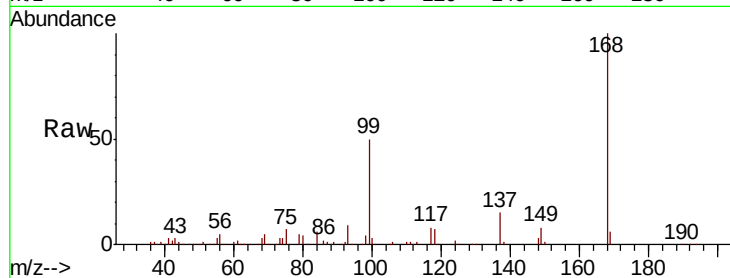
99 50.4 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

500000

400000

300000

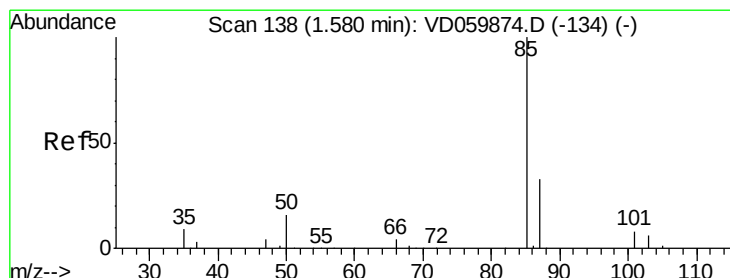
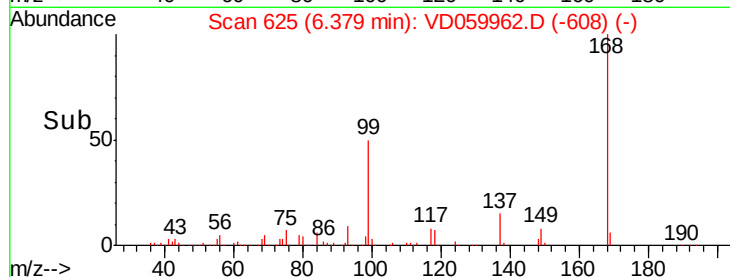
200000

100000

0

Time-->

6.20 6.30 6.40 6.50 6.60



#2

Dichlorodifluoromethane

Concen: 16.63 ug/l

RT: 1.57 min Scan# 136

Delta R.T. -0.01 min

Lab File: VD059962.D

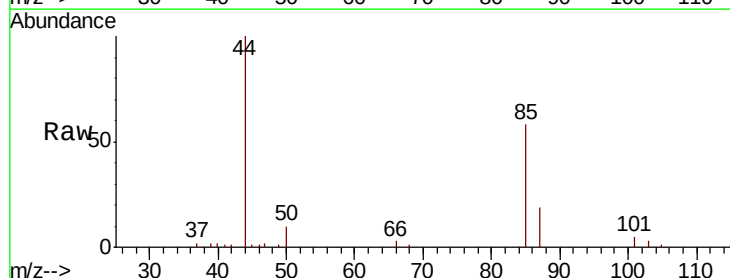
Acq: 5 Sep 2018 11:51

Tgt Ion: 85 Resp: 192236

Ion Ratio Lower Upper

85 100

87 32.3 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

60000

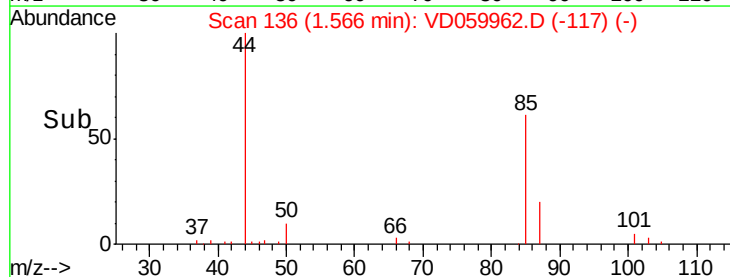
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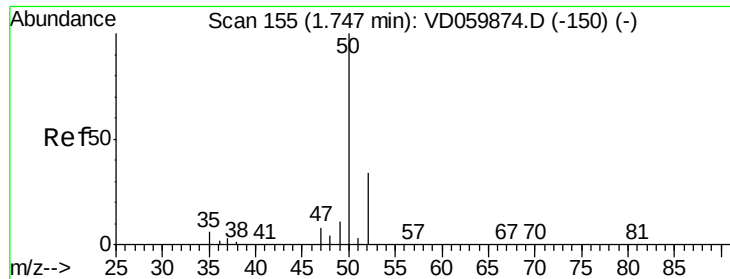
20000

0

Time-->

1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 16.00 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.00 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion: 50 Resp: 167611

Ion Ratio Lower Upper

50 100

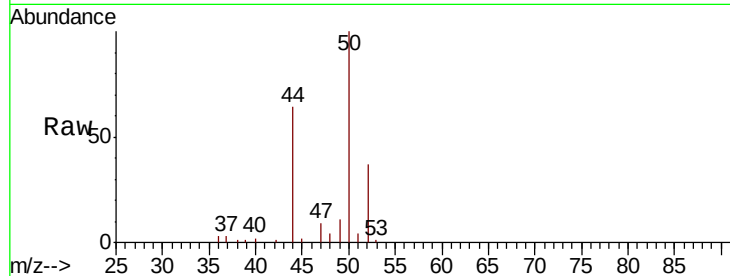
52 36.7 27.0 40.6

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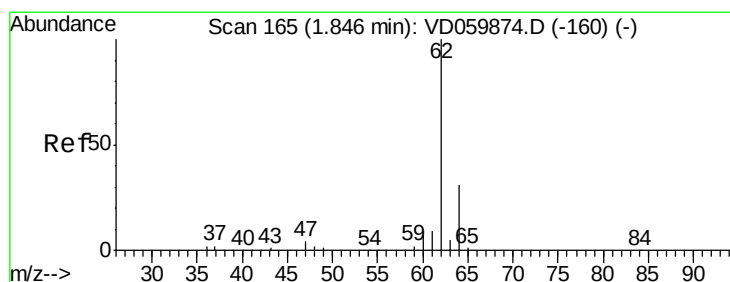
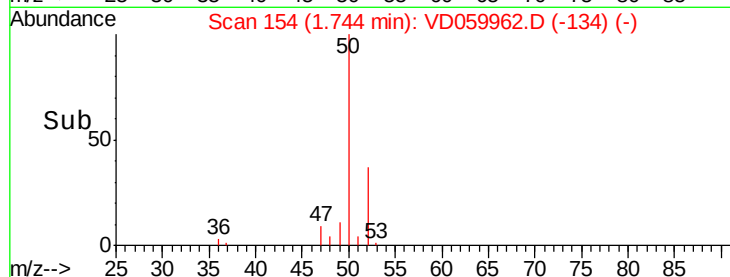
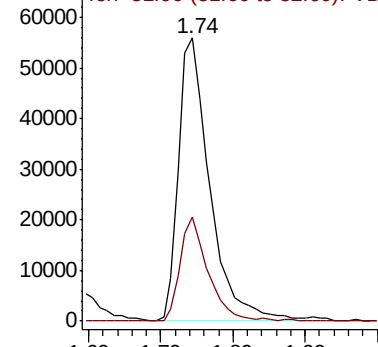
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 16.71 ug/l

RT: 1.83 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD059962.D

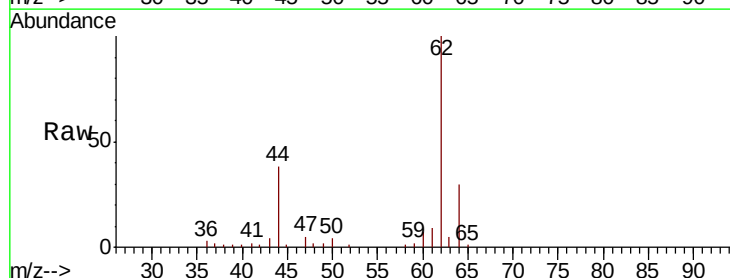
Acq: 5 Sep 2018 11:51

Tgt Ion: 62 Resp: 137195

Ion Ratio Lower Upper

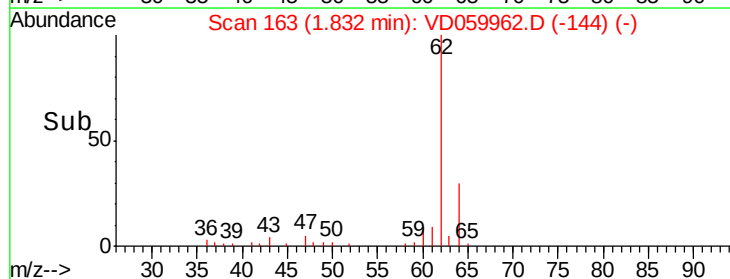
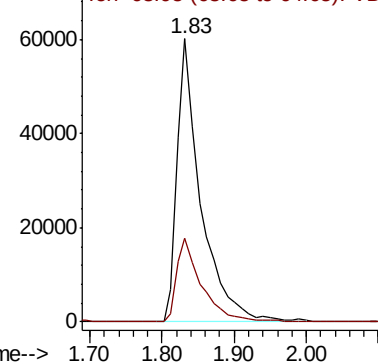
62 100

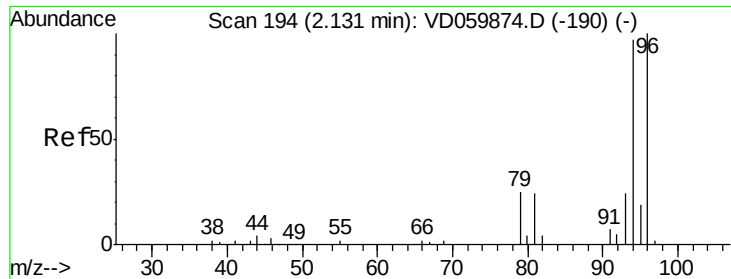
64 29.7 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 8.57 ug/l

RT: 2.12 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion: 94 Resp: 12158

Ion Ratio Lower Upper

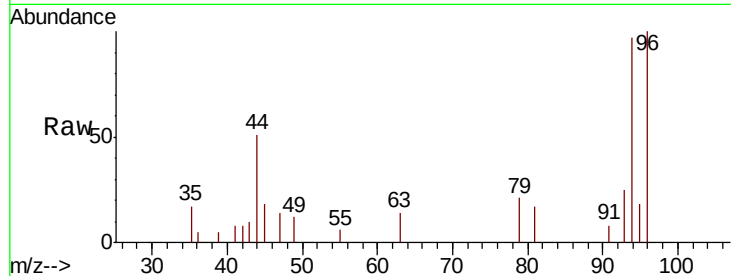
94 100

96 103.3 82.4 123.6

Manual Integrations
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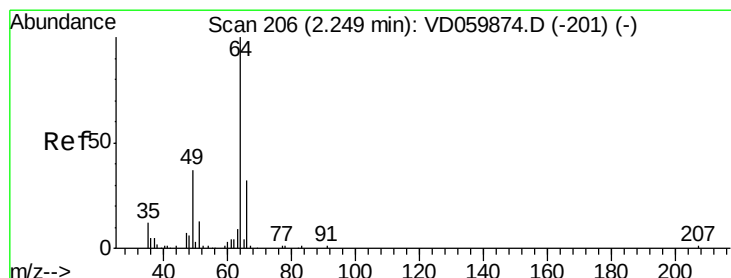
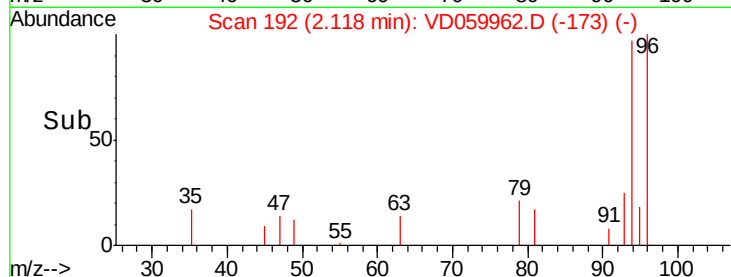
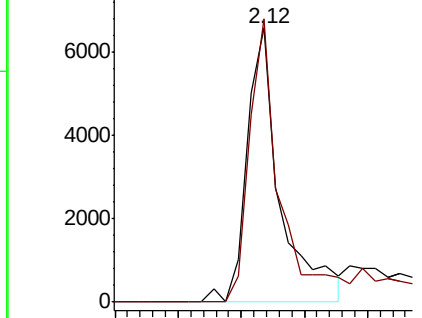
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.25 ug/l

RT: 2.23 min Scan# 203

Delta R.T. -0.02 min

Lab File: VD059962.D

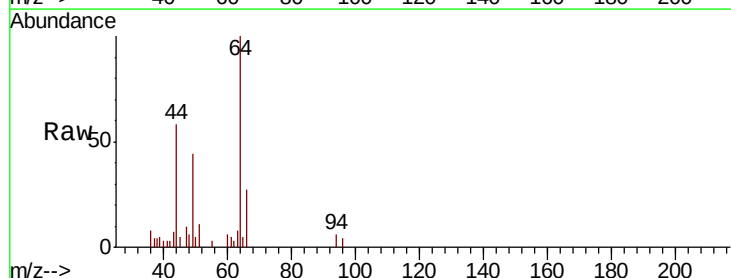
Acq: 5 Sep 2018 11:51

Tgt Ion: 64 Resp: 36530

Ion Ratio Lower Upper

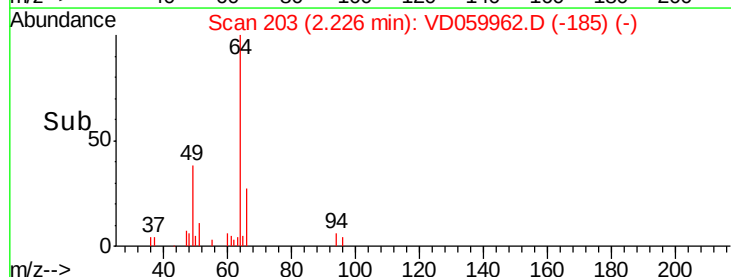
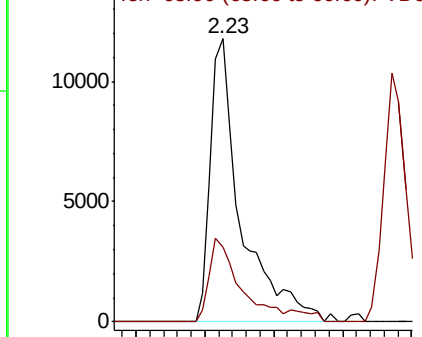
64 100

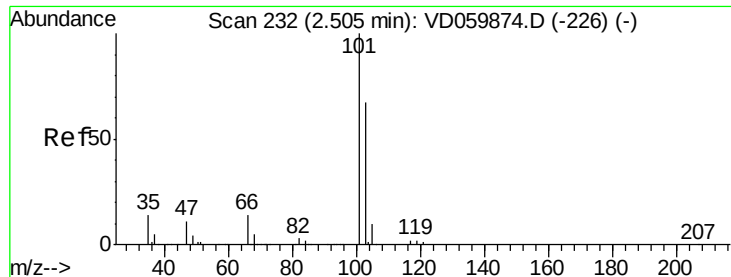
66 26.6 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

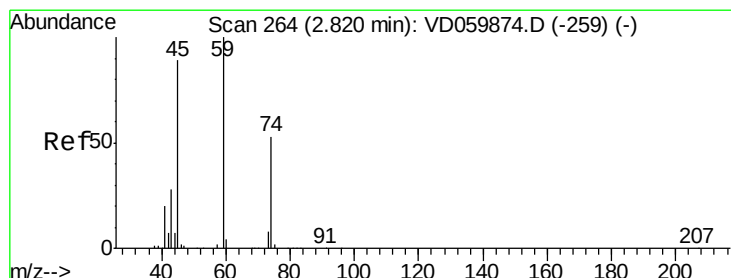
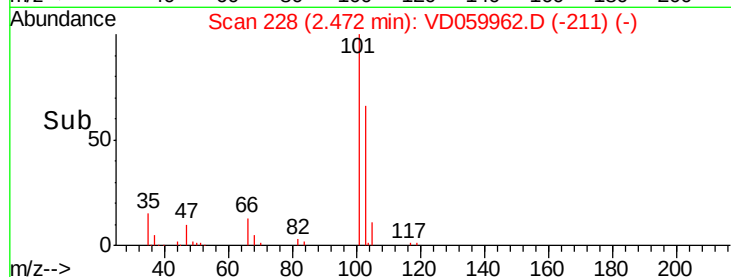
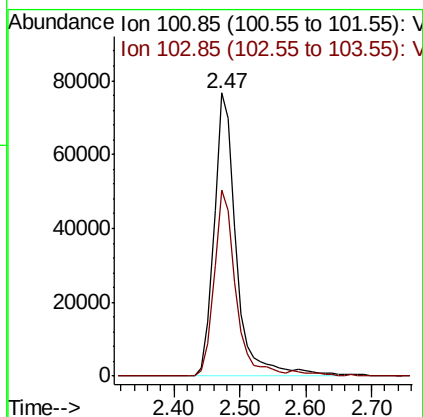
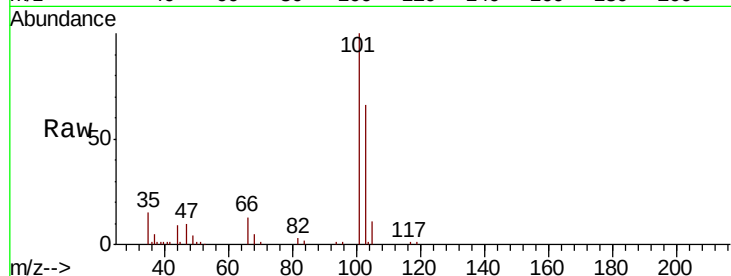
Trichlorofluoromethane
Concen: 18.79 ug/l
RT: 2.47 min Scan# 228
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
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VD0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	178524		
103	65.7	53.7	80.5	

Manual Integrations
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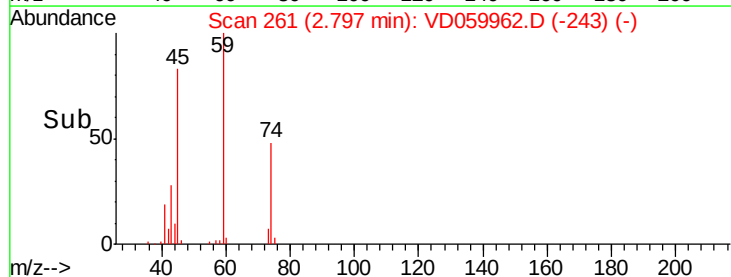
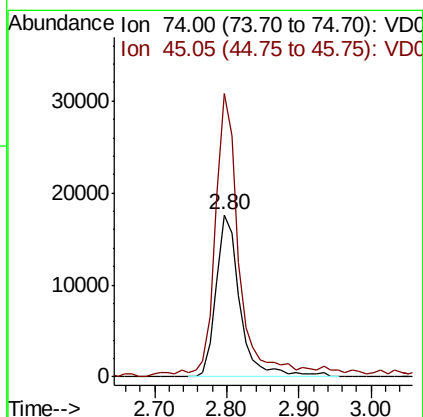
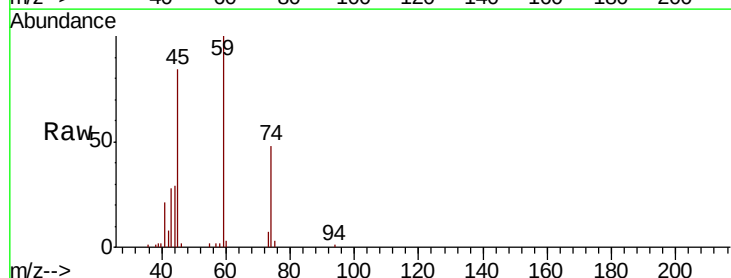
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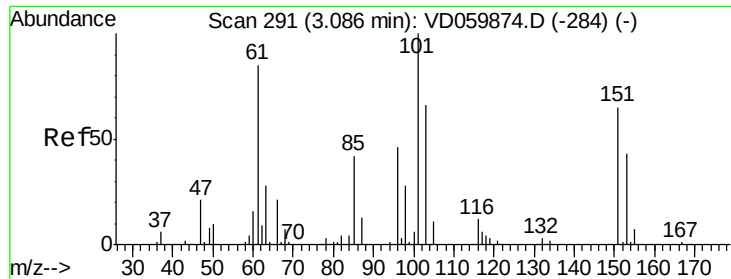


#8

Diethyl Ether
Concen: 18.82 ug/l
RT: 2.80 min Scan# 261
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	40119		
45	174.9	85.7	257.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.85 ug/l

RT: 3.05 min Scan# 287

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

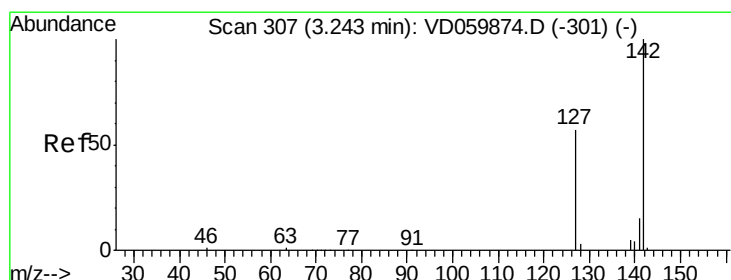
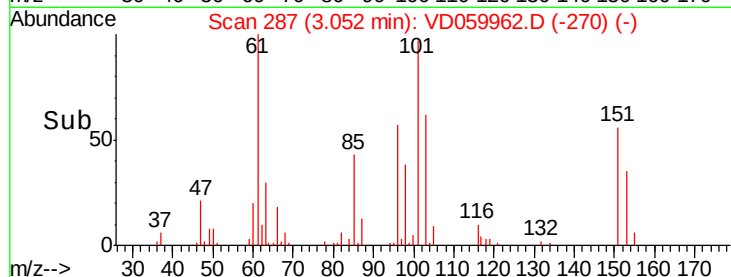
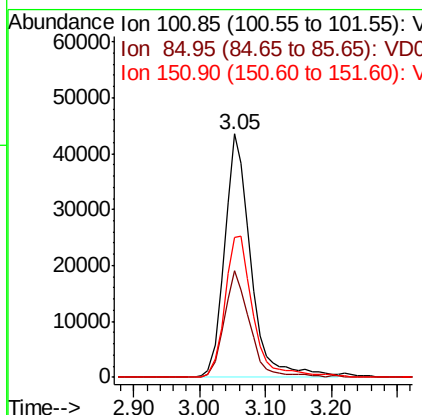
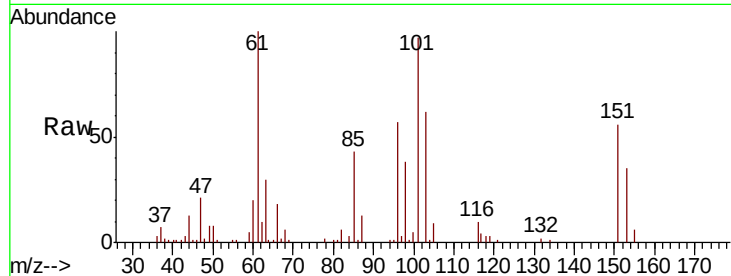
ClientSampleId :

VD0905SBS01

Tot Ion:	101	Resp:	121334
Ion Ratio	Lower	Upper	
101	100		
85	44.0	33.6	50.4
151	57.7	52.0	78.0

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#10

Methyl Iodide

Concen: 16.90 ug/l

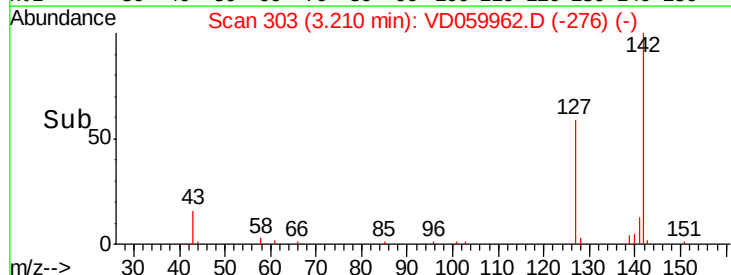
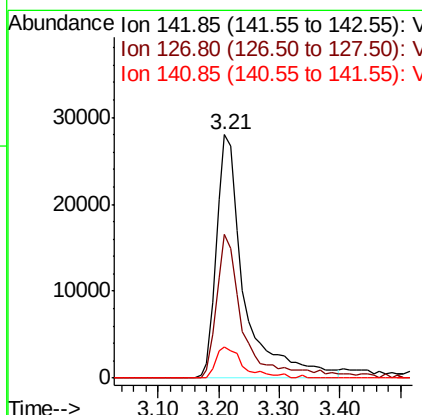
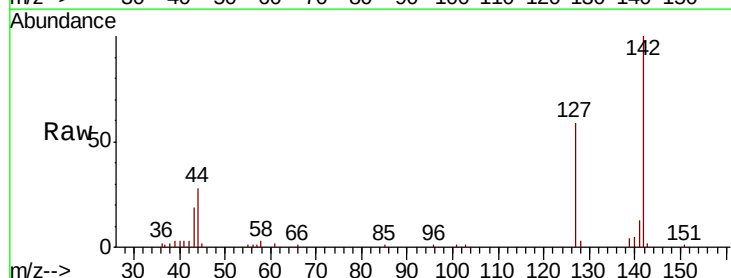
RT: 3.21 min Scan# 303

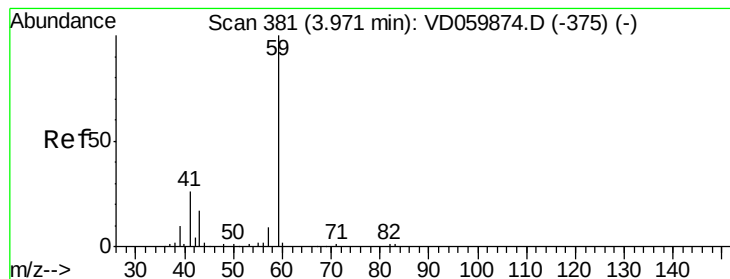
Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Tgt Ion:	142	Resp:	89455
Ion Ratio	Lower	Upper	
142	100		
127	59.2	45.8	68.6
141	13.0	11.6	17.4





#11

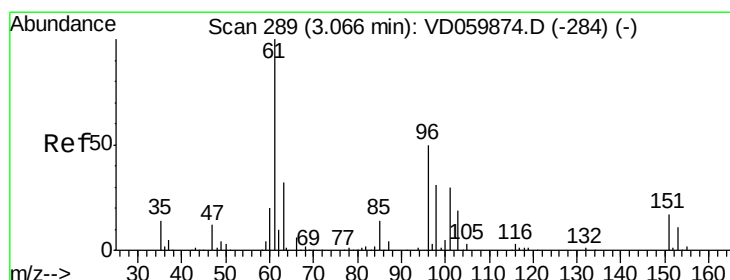
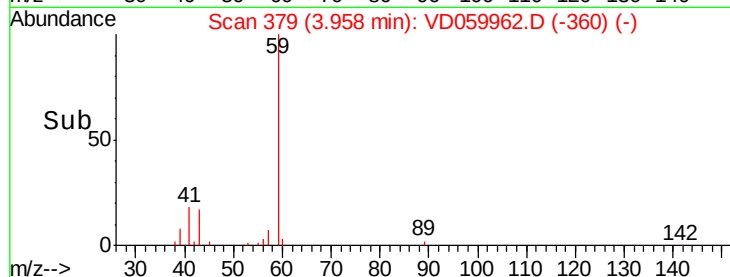
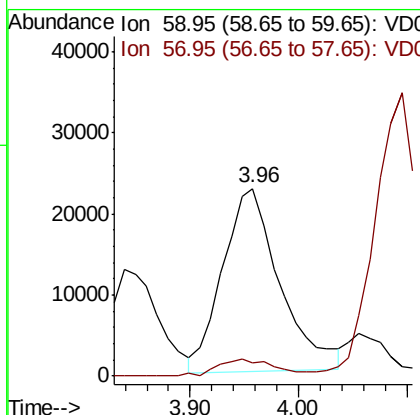
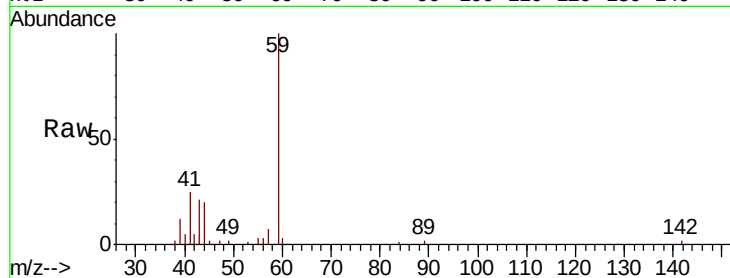
Tert butyl alcohol
Concen: 99.90 ug/l
RT: 3.96 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion: 59 Resp: 83090
Ion Ratio Lower Upper
59 100
57 7.2 7.4 11.0#

Manual Integrations
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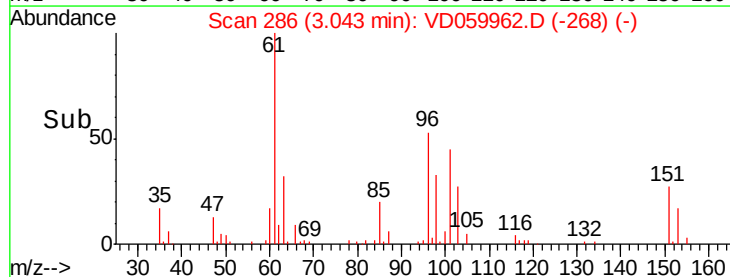
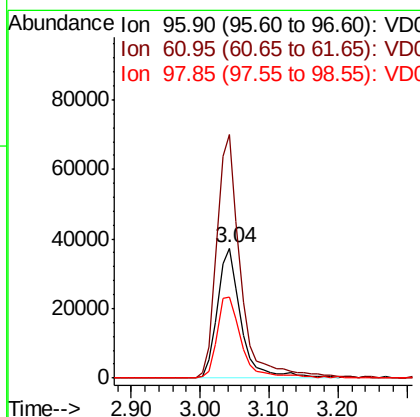
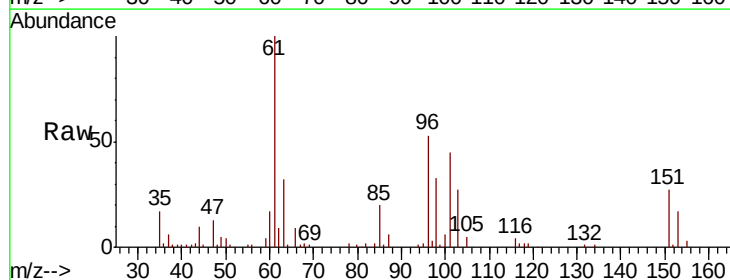
apatel
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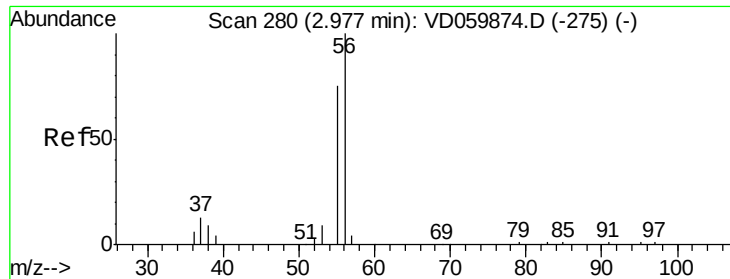


#12

1,1-Dichloroethene
Concen: 19.62 ug/l
RT: 3.04 min Scan# 286
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion: 96 Resp: 88874
Ion Ratio Lower Upper
96 100
61 186.9 158.8 238.2
98 62.3 48.7 73.1





#13

Acrolein

Concen: 49.83 ug/l

RT: 2.95 min Scan# 277

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion: 56 Resp: 17976

Ion Ratio Lower Upper

56 100

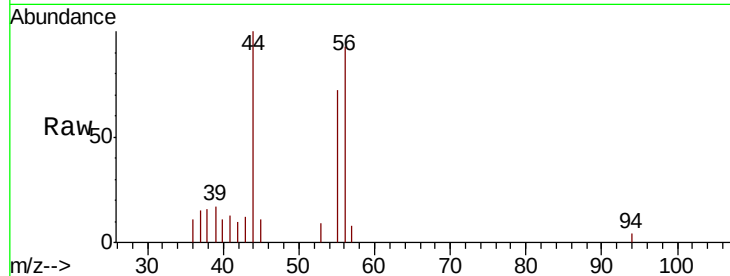
55 77.1 61.9 92.9

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

6000

4000

2000

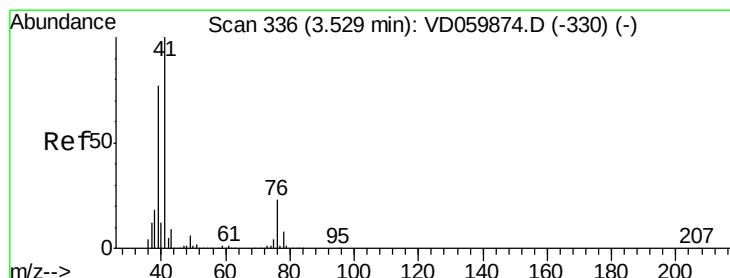
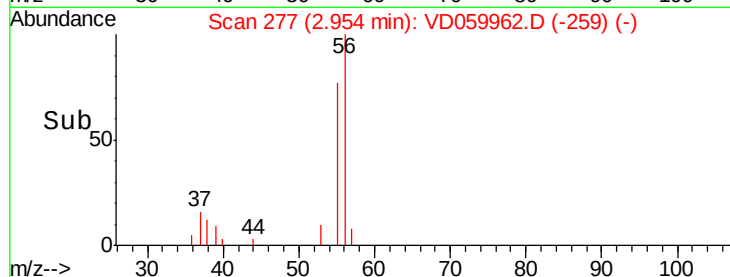
0

Time-->

2.90

3.00

3.10



#14

Allyl chloride

Concen: 18.85 ug/l

RT: 3.51 min Scan# 333

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

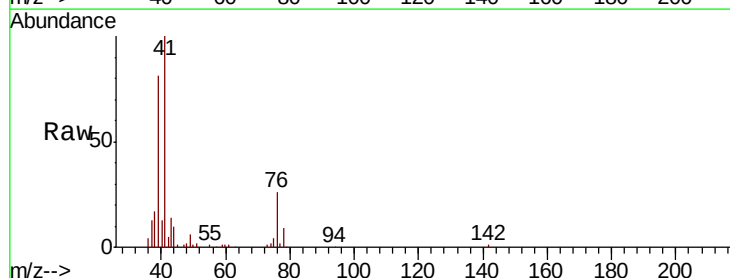
Tgt Ion: 41 Resp: 193155

Ion Ratio Lower Upper

41 100

39 80.6 61.8 92.6

76 26.4 19.4 29.2



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

100000

80000

60000

40000

20000

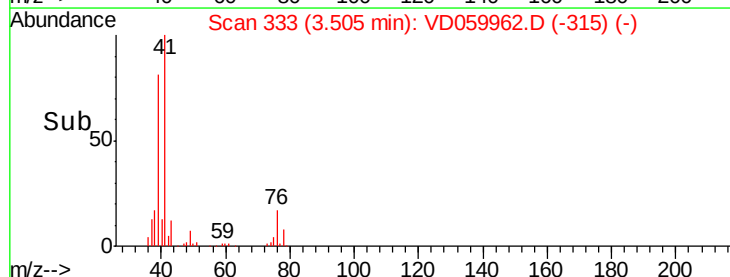
0

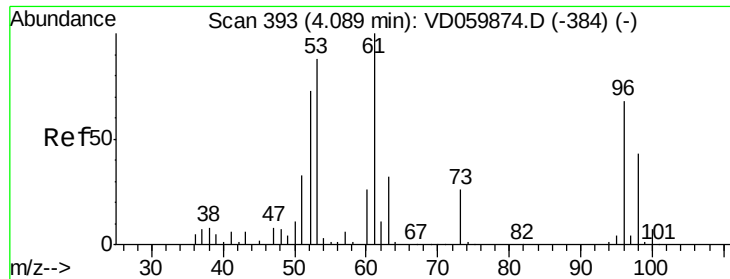
Time-->

3.40

3.50

3.60





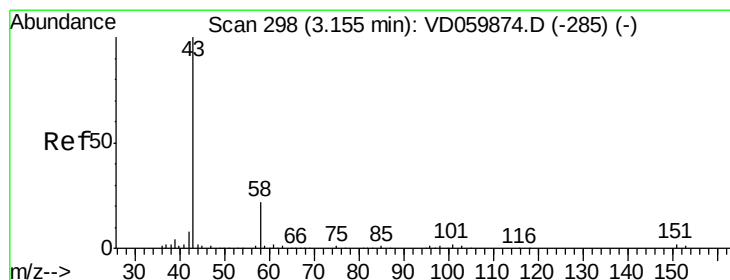
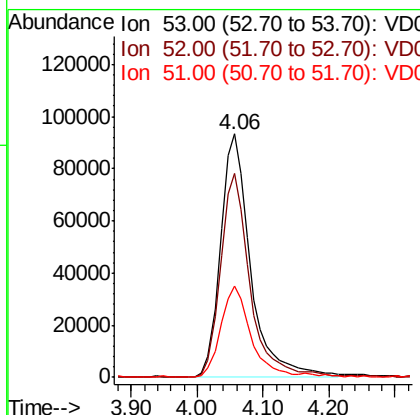
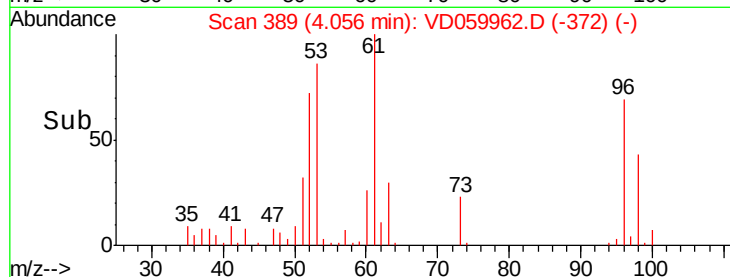
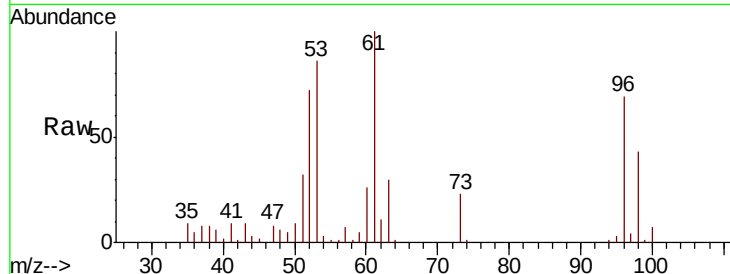
#15
 Acrylonitrile
 Concen: 95.81 ug/l
 RT: 4.06 min Scan# 389
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
53	100	298428		
52	83.5	66.9	100.3	
51	37.6	30.3	45.5	

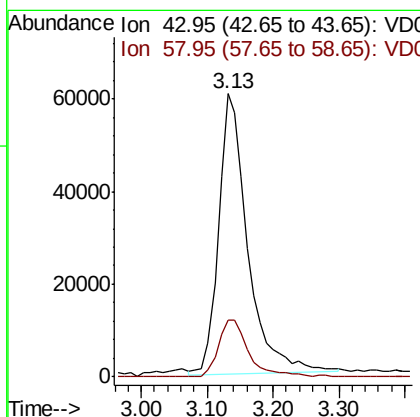
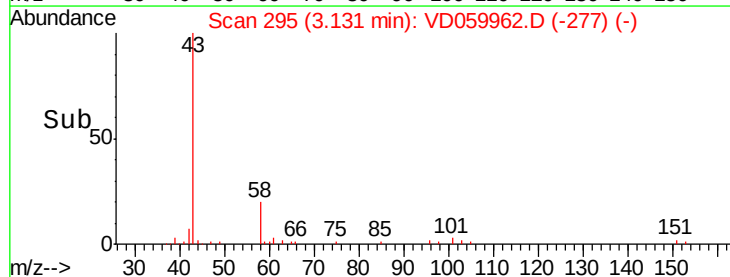
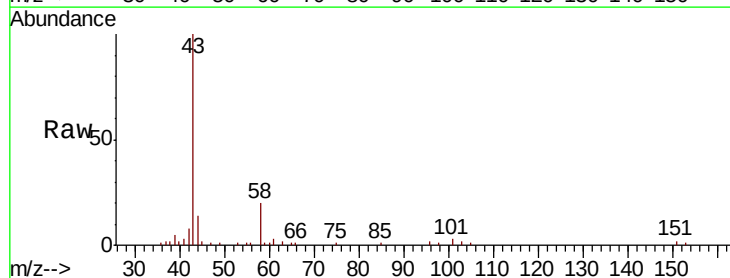
Manual Integrations
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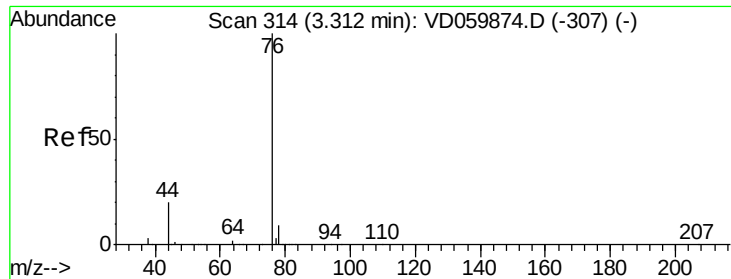
apatel
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#16
 Acetone
 Concen: 93.67 ug/l
 RT: 3.13 min Scan# 295
 Delta R.T. -0.02 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	186035		
58	19.9	17.6	26.4	





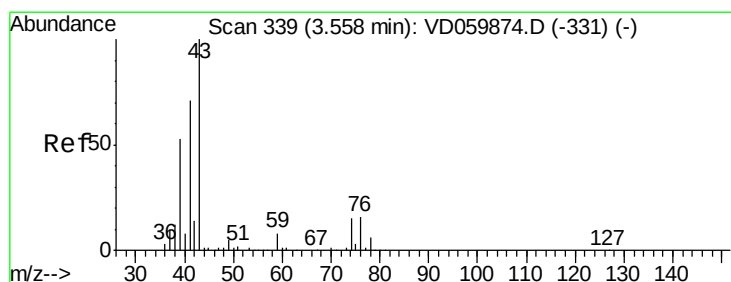
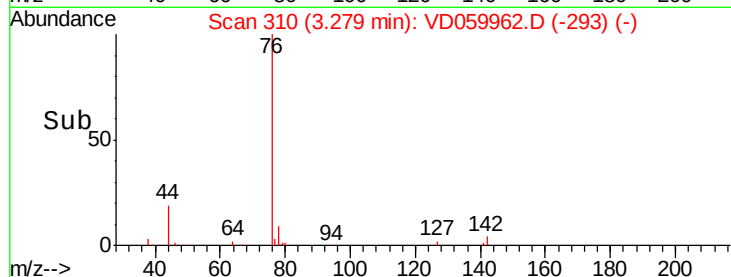
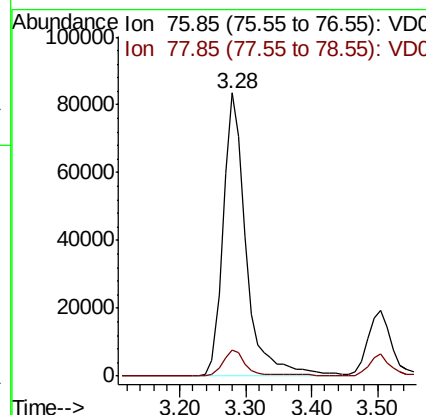
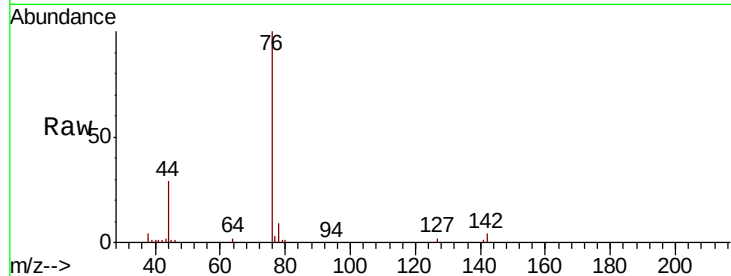
#17
Carbon Disulfide
Concen: 14.48 ug/l
RT: 3.28 min Scan# 310
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

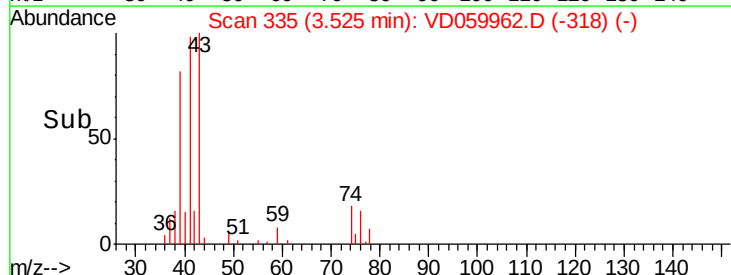
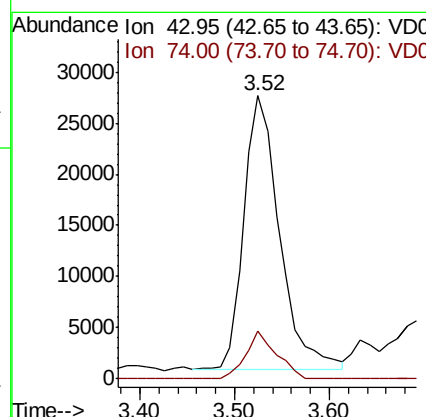
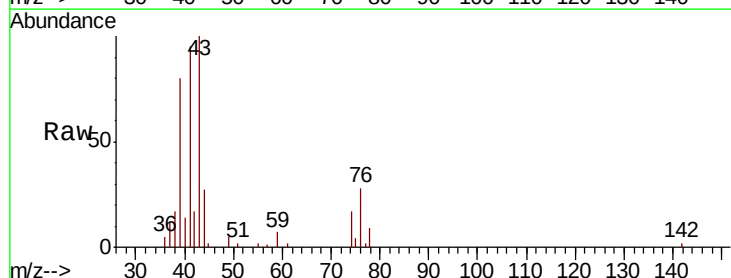
Manual Integrations
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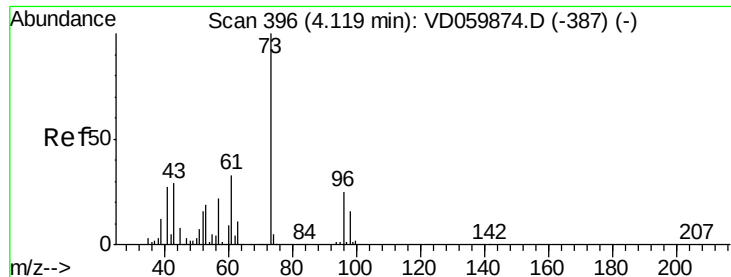
apatel
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#18
Methyl Acetate
Concen: 16.90 ug/l
RT: 3.52 min Scan# 335
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.0	11.2	16.8#





#19

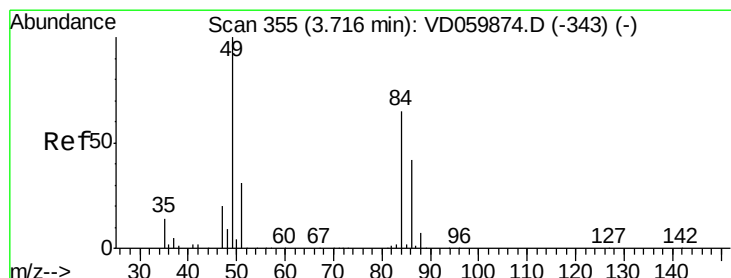
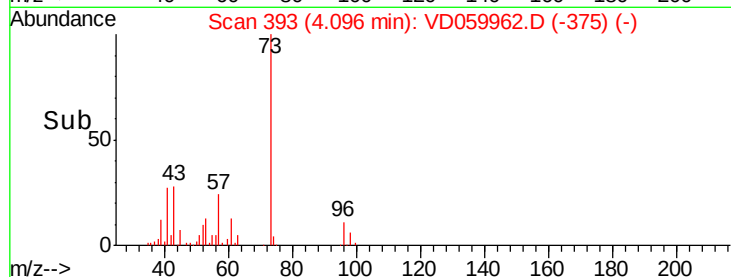
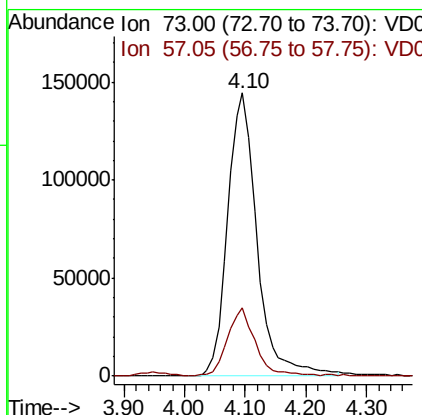
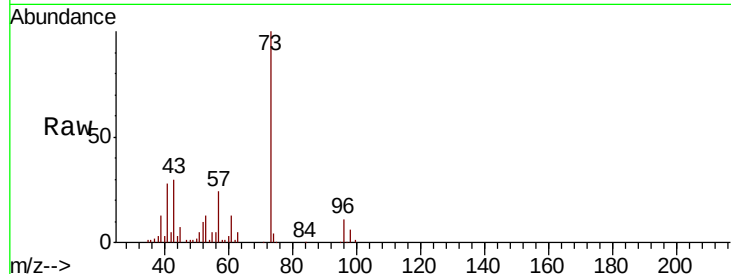
Methyl tert-butyl Ether
 Concen: 19.01 ug/l
 RT: 4.10 min Scan# 393
 Delta R.T. -0.02 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	17.9	26.9

Manual Integrations
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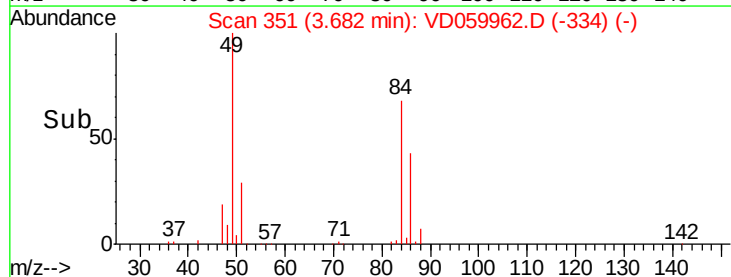
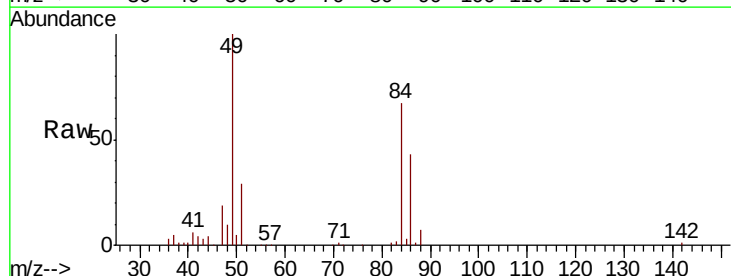
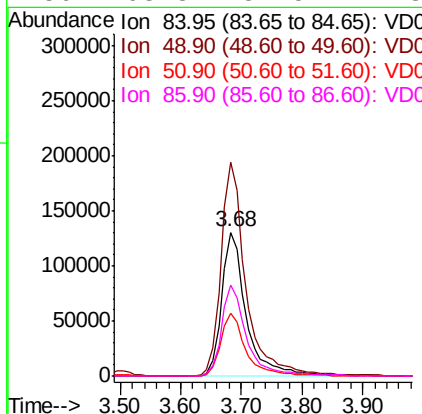
apatel
 9/6/2018 2:16:44 PM

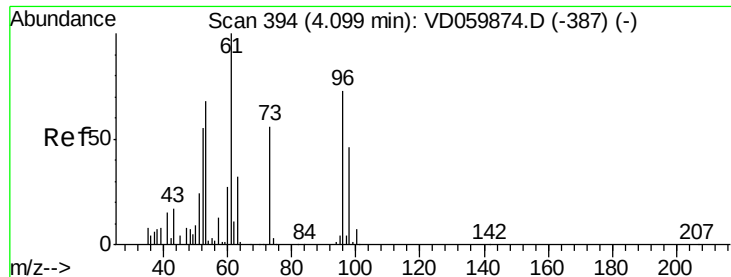


#20

Methylene Chloride
 Concen: 25.80 ug/l
 RT: 3.68 min Scan# 351
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.7	122.6	183.8
51	43.7	38.4	57.6
86	63.3	51.5	77.3





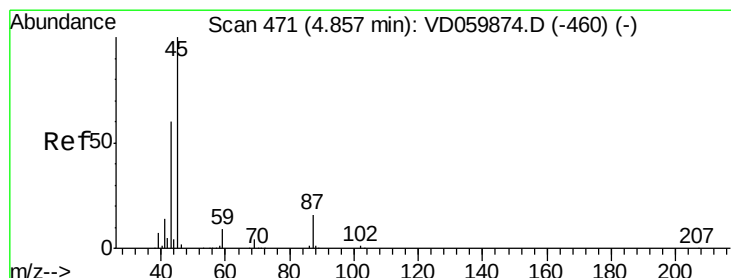
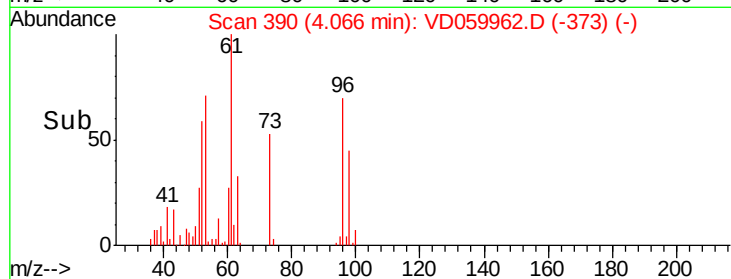
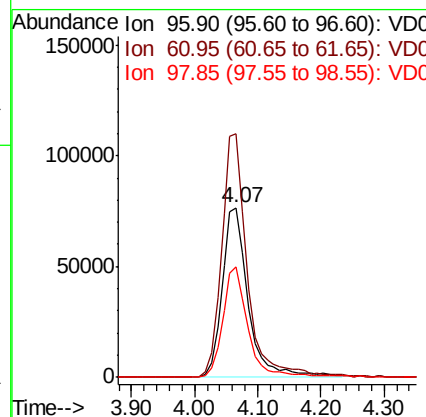
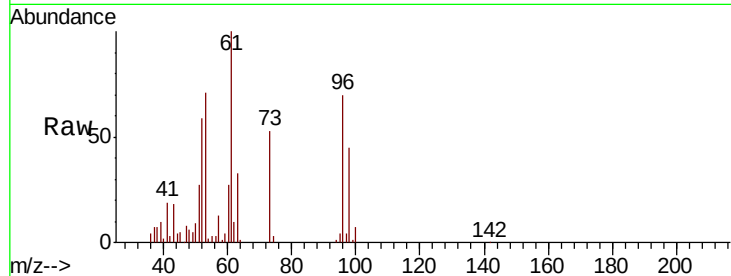
#21
trans-1,2-Dichloroethene
Concen: 17.74 ug/l
RT: 4.07 min Scan# 390
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	110.2	165.4
98	64.8	50.9	76.3

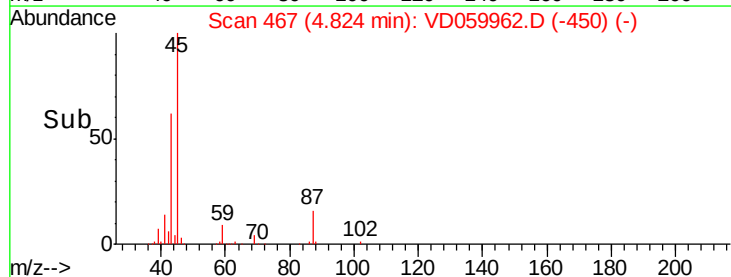
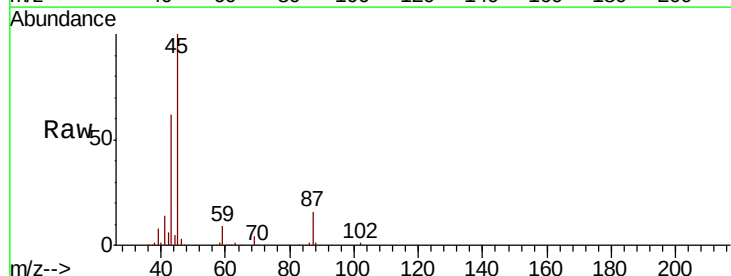
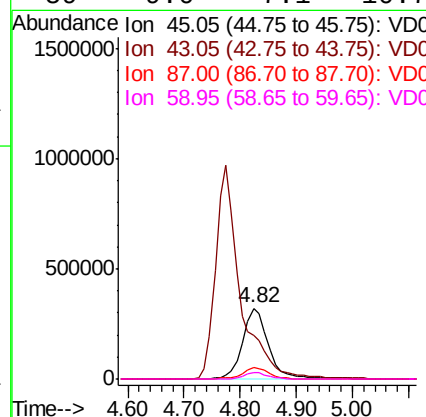
Manual Integrations
APPROVED

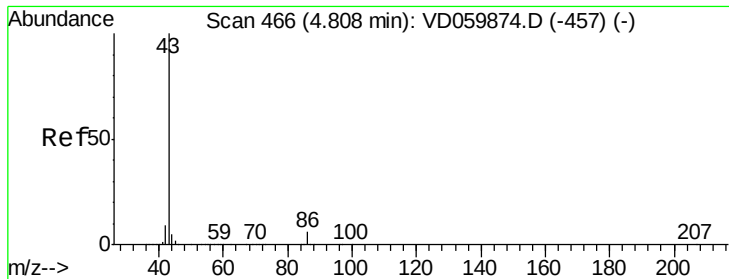
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#22
Diisopropyl ether
Concen: 19.61 ug/l
RT: 4.82 min Scan# 467
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	48.6	72.8
87	16.1	13.3	19.9
59	9.0	7.1	10.7





#23

Vinyl Acetate

Concen: 102.78 ug/l

RT: 4.77 min Scan# 462

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion: 43 Resp: 3002696

Ion Ratio Lower Upper

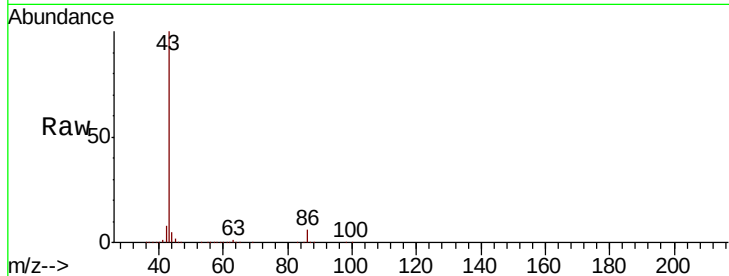
43 100

86 6.2 5.0 7.6

Manual Integrations
APPROVED

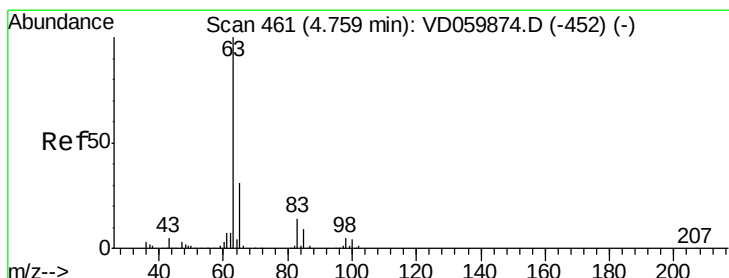
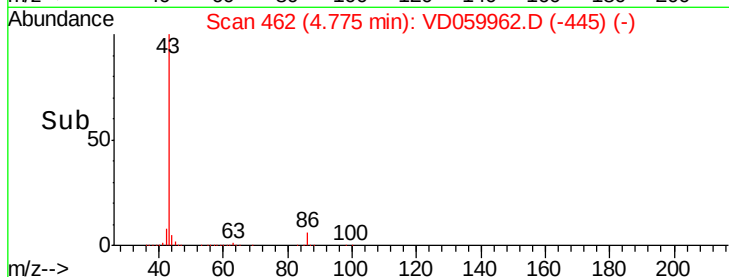
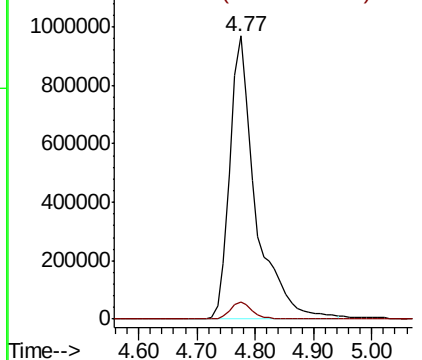
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.53 ug/l

RT: 4.73 min Scan# 457

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

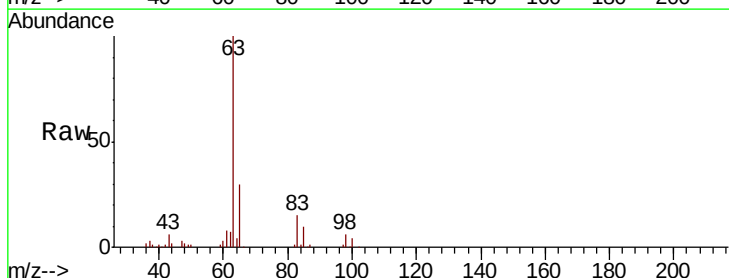
Tgt Ion: 63 Resp: 440880

Ion Ratio Lower Upper

63 100

98 5.6 2.7 8.1

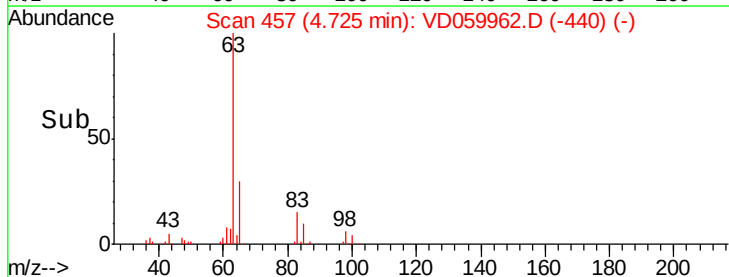
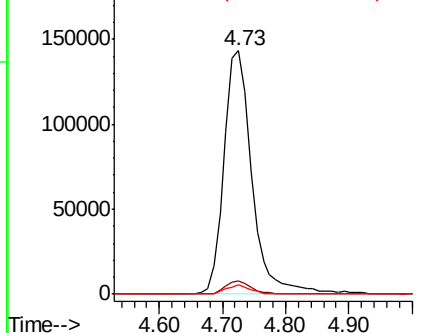
100 3.6 1.8 5.3

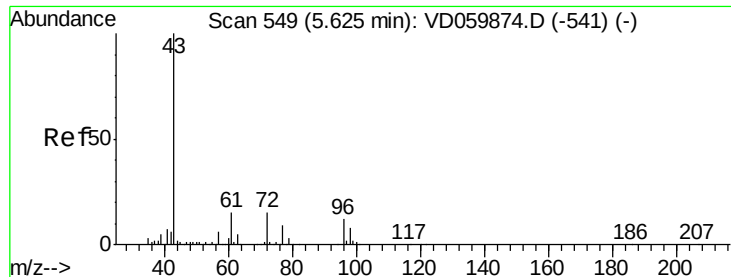


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 87.07 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion: 43 Resp: 512138

Ion Ratio Lower Upper

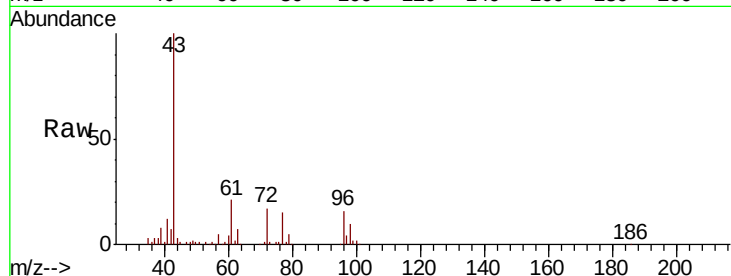
43 100

72 16.9 12.3 18.5

Manual Integrations
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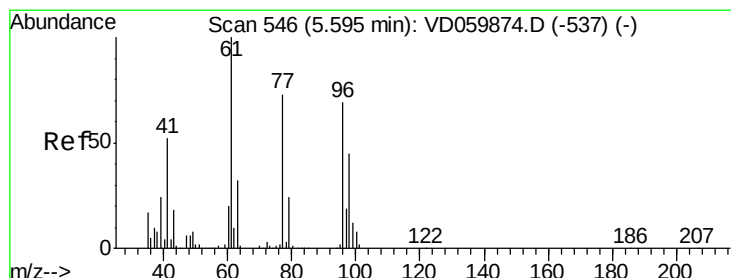
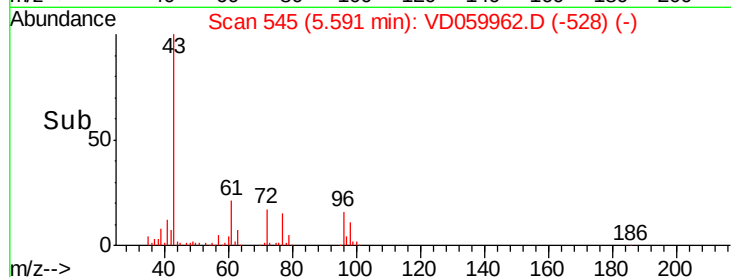
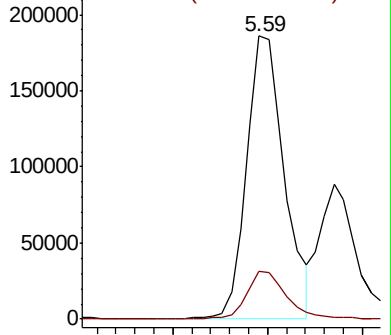
apatel

9/6/2018 2:16:44 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.68 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.04 min

Lab File: VD059962.D

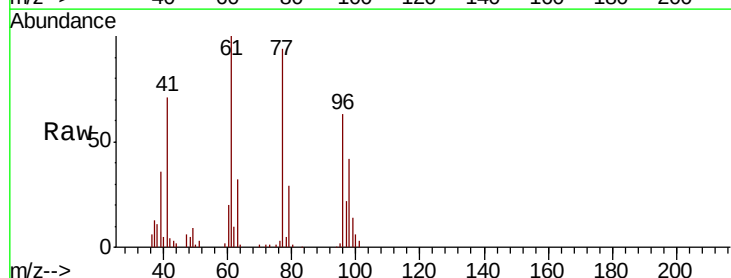
Acq: 5 Sep 2018 11:51

Tgt Ion: 77 Resp: 371483

Ion Ratio Lower Upper

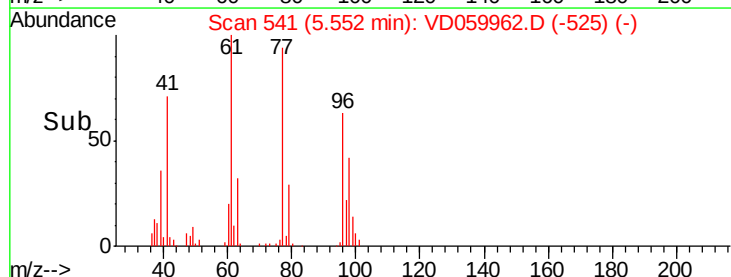
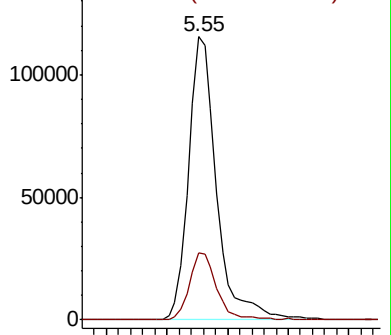
77 100

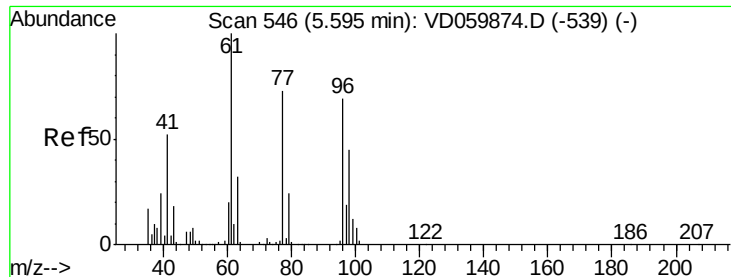
97 23.6 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

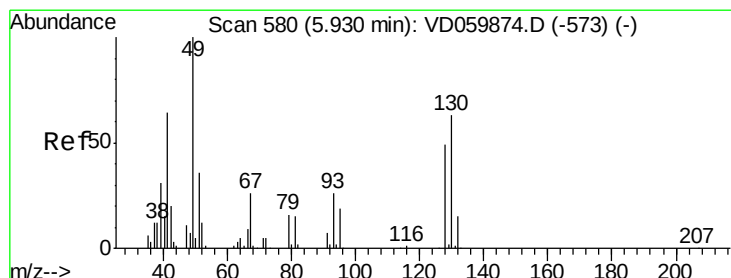
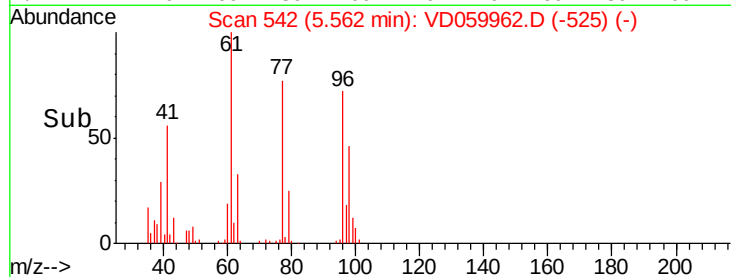
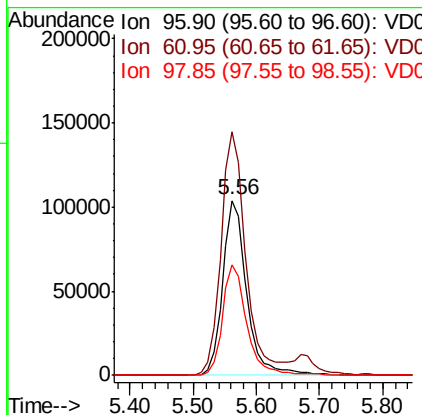
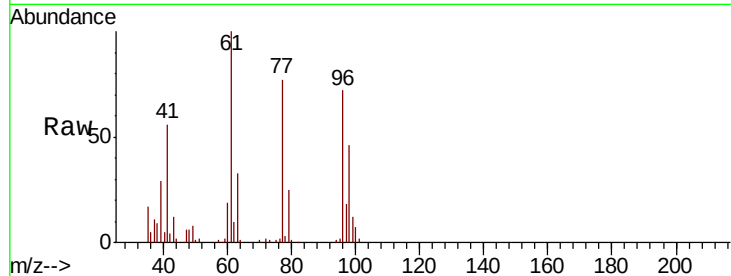
cis-1,2-Dichloroethene
Concen: 20.10 ug/l
RT: 5.56 min Scan# 542
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	274701		
61	139.5	0.0	290.2	
98	63.6	0.0	130.4	

Manual Integrations
APPROVED

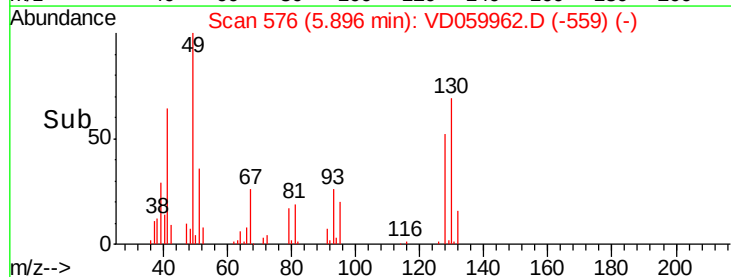
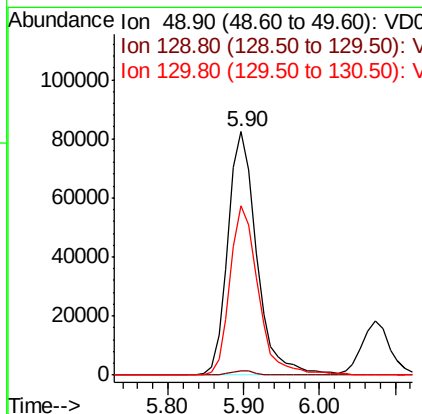
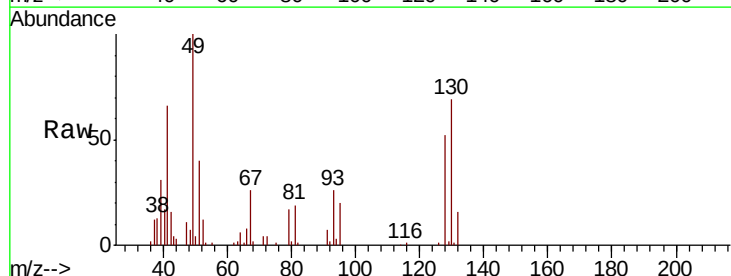
apatel
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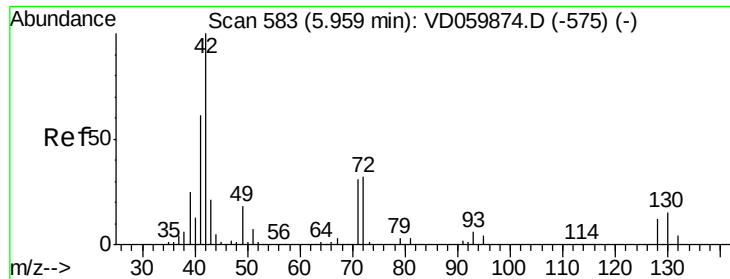


#28

Bromochloromethane
Concen: 20.07 ug/l
RT: 5.90 min Scan# 576
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	217168		
129	1.8	0.0	3.2	
130	69.5	50.6	75.8	





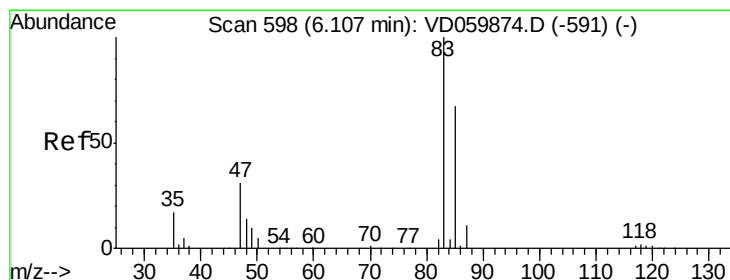
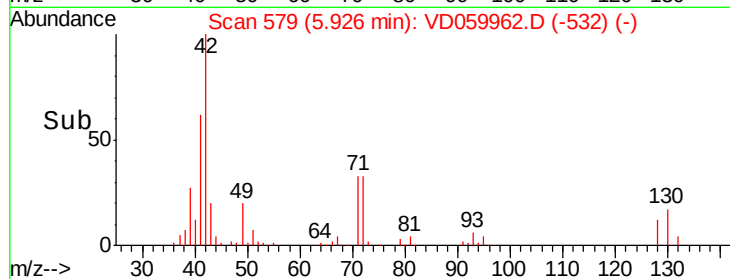
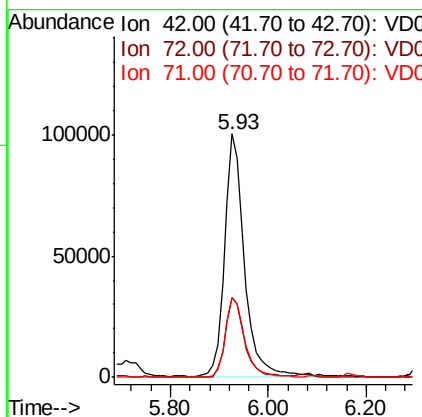
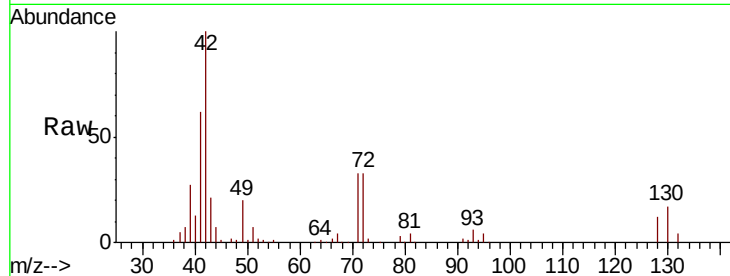
#29
Tetrahydrofuran
Concen: 102.26 ug/l
RT: 5.93 min Scan# 579
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion:	42	Resp:	286354
Ion Ratio		Lower	Upper
42	100		
72	31.1	25.7	38.5
71	31.4	25.3	37.9

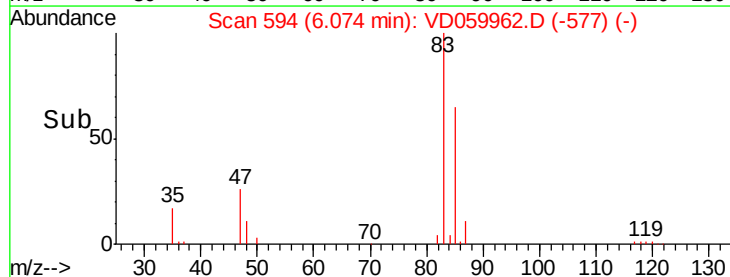
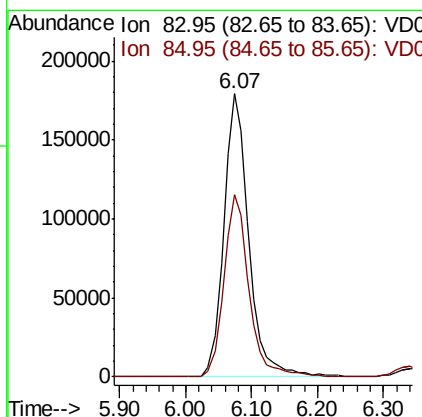
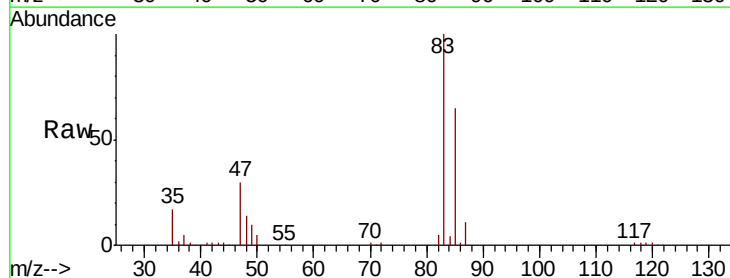
Manual Integrations
APPROVED

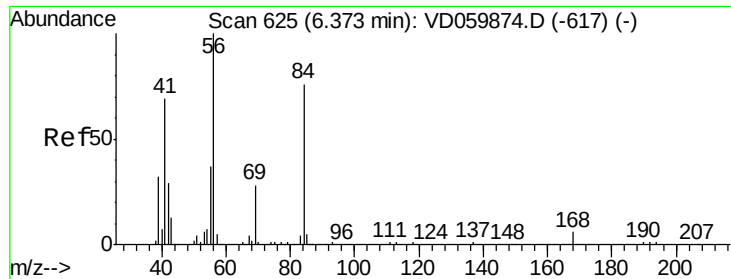
apatel
9/6/2018 2:16:44 PM



#30
Chloroform
Concen: 20.58 ug/l
RT: 6.07 min Scan# 594
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion:	83	Resp:	472206
Ion Ratio		Lower	Upper
83	100		
85	64.5	53.5	80.3





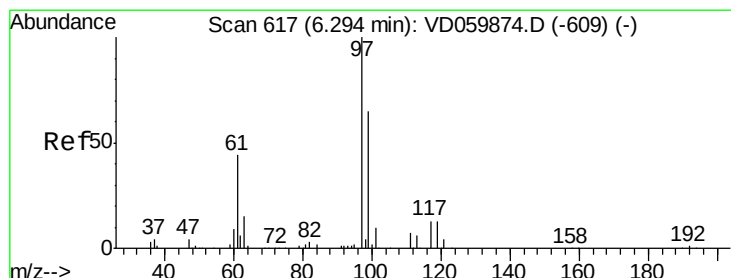
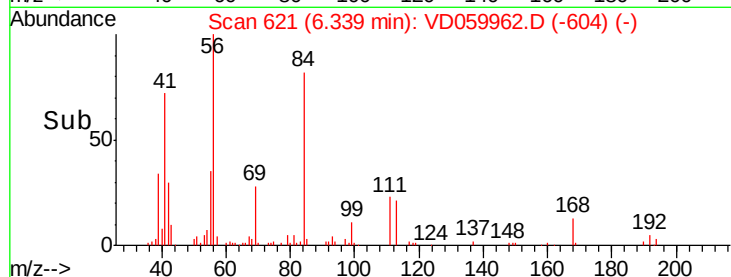
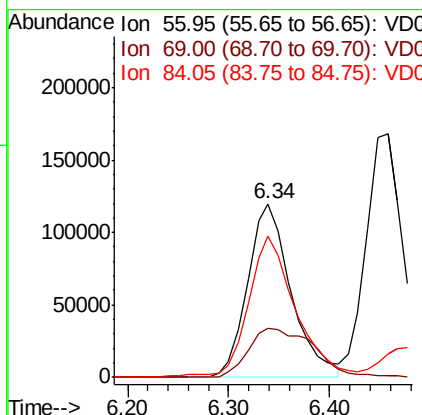
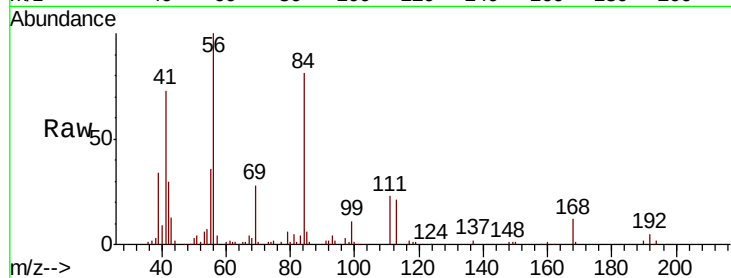
#31
Cyclohexane
Concen: 17.32 ug/l
RT: 6.34 min Scan# 621
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.4	33.6
84	81.3	62.1	93.1

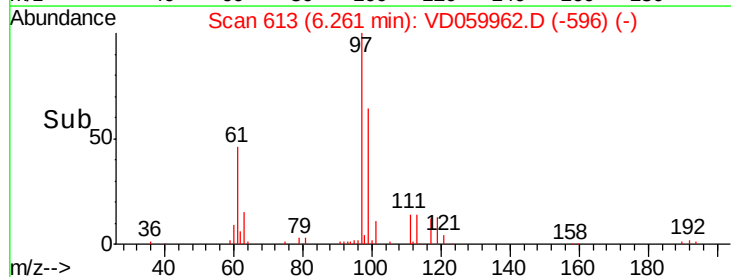
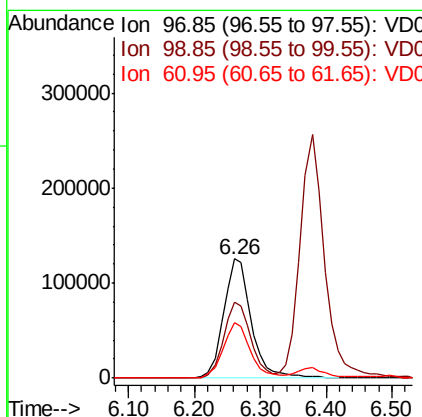
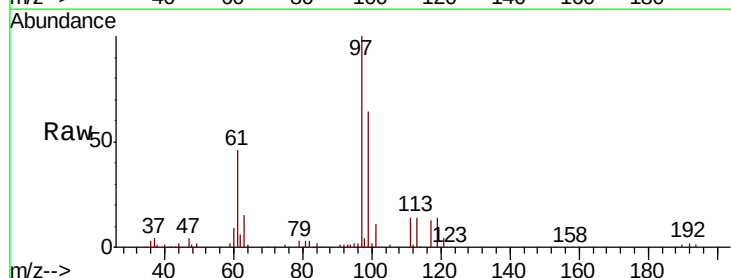
Manual Integrations
APPROVED

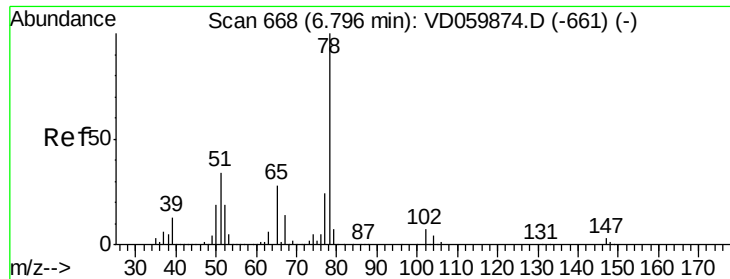
apatel
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#32
1,1,1-Trichloroethane
Concen: 18.92 ug/l
RT: 6.26 min Scan# 613
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	46.3	35.4	53.2





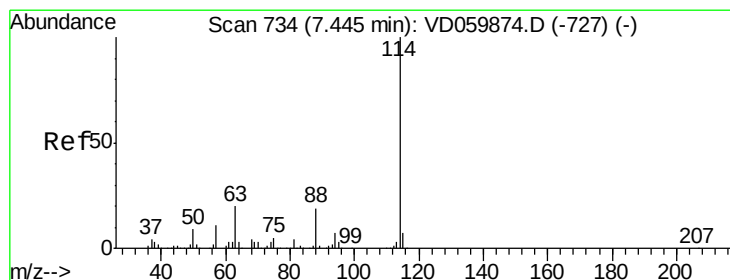
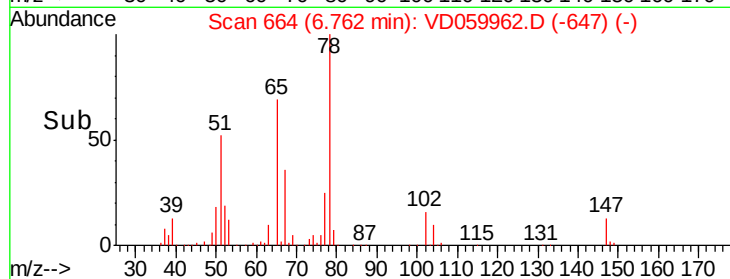
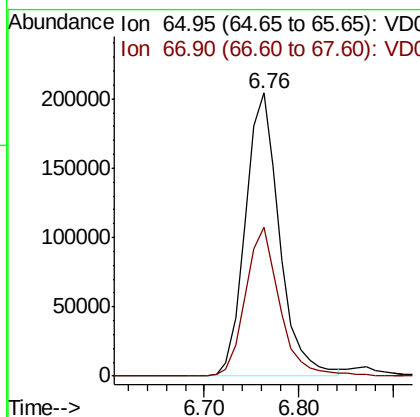
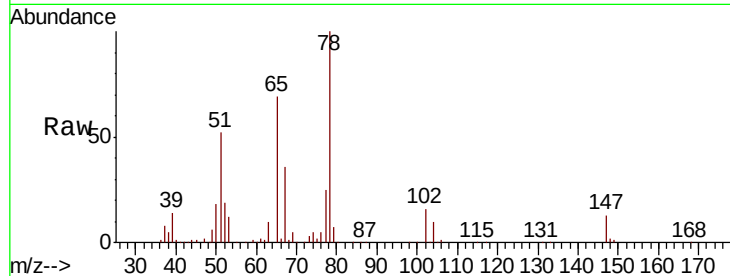
#33
 1,2-Dichloroethane-d4
 Concen: 18.92 ug/l
 RT: 6.76 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	510642		
67	52.4	0.0	103.8	

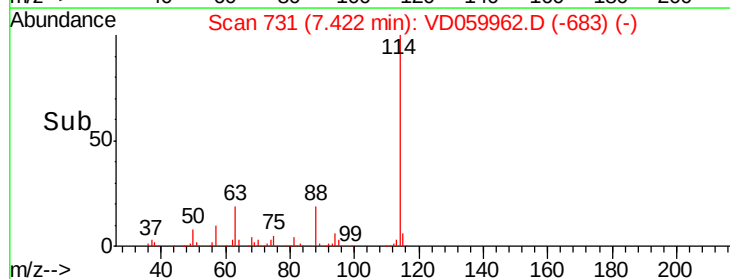
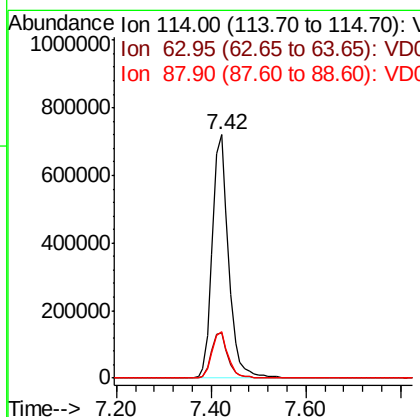
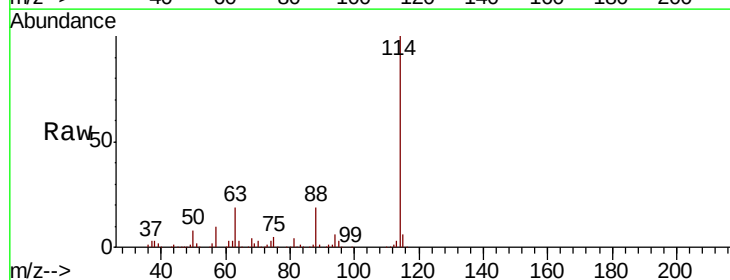
Manual Integrations
 APPROVED

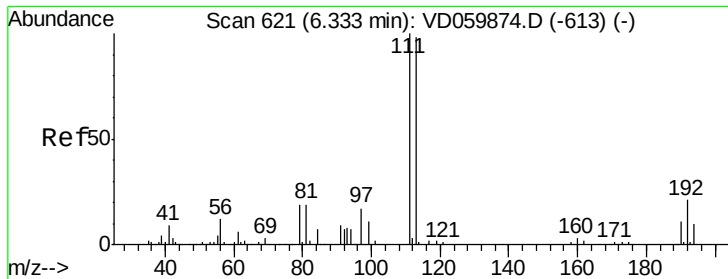
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 731
 Delta R.T. -0.02 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1723526		
63	18.7	0.0	39.4	
88	19.0	0.0	37.6	





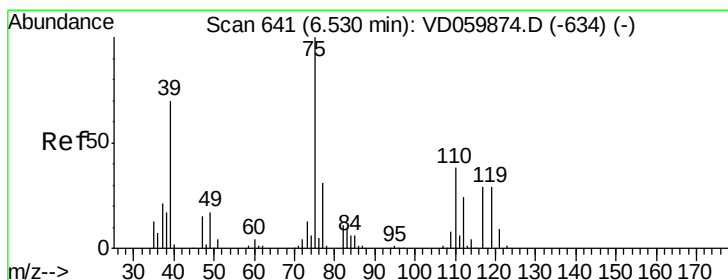
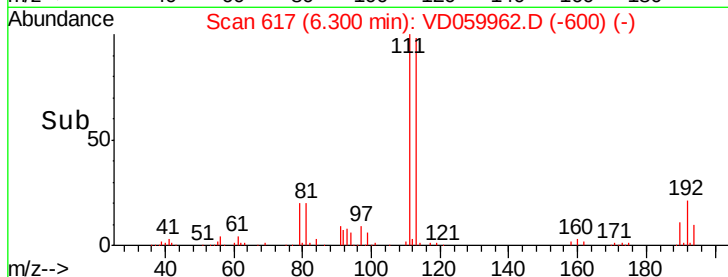
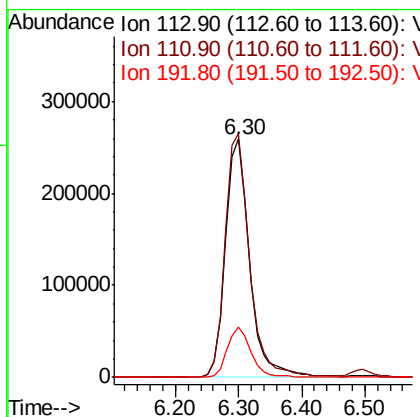
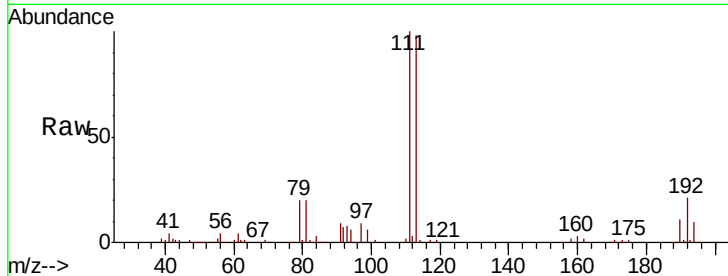
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.30 min Scan# 617
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	688171		
111	102.3	81.4	122.2	
192	21.3	17.0	25.6	

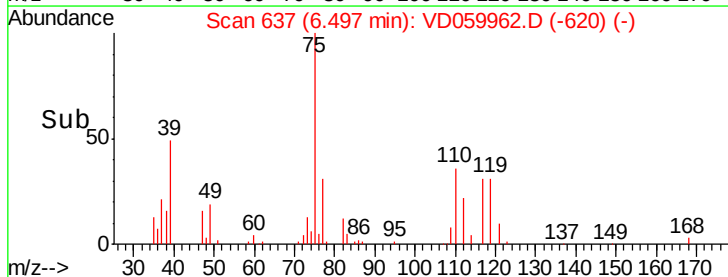
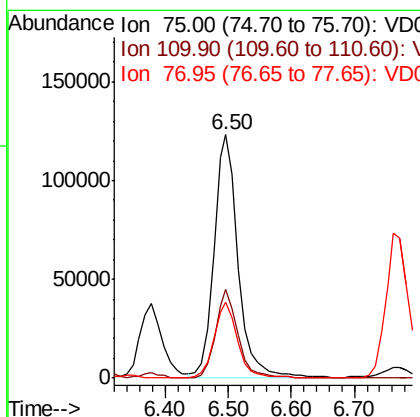
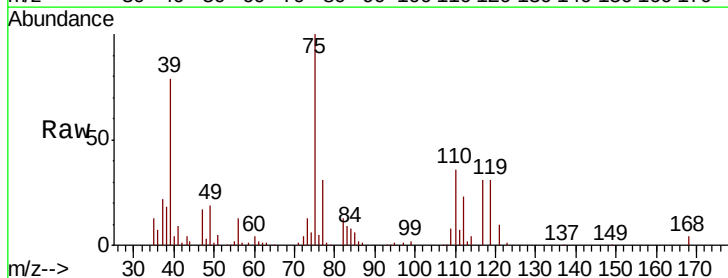
Manual Integrations
APPROVED

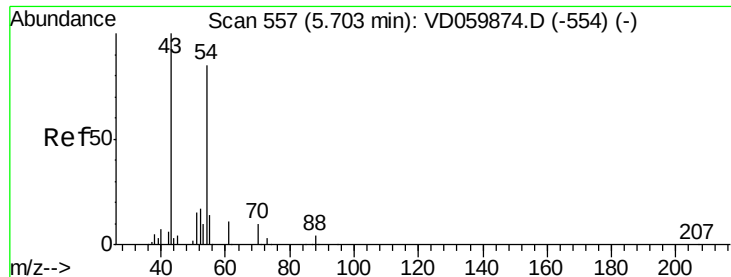
apatel
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#36
1,1-Dichloropropene
Concen: 20.92 ug/l
RT: 6.50 min Scan# 637
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	326794		
110	36.3	18.6	56.0	
77	31.4	25.1	37.7	





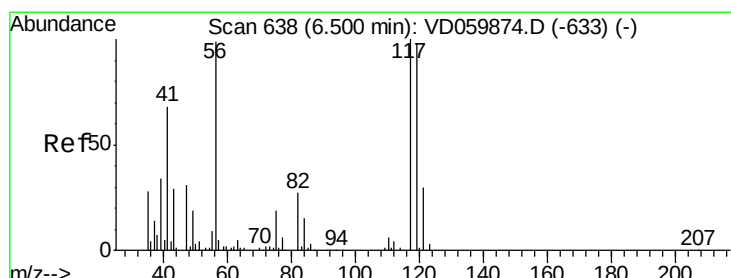
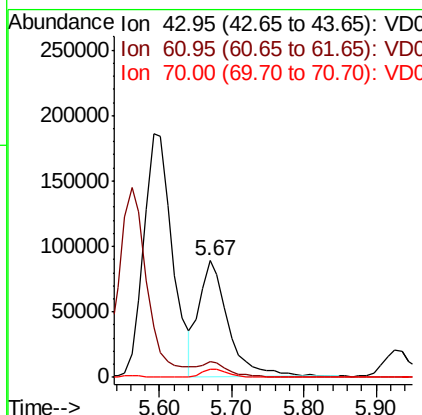
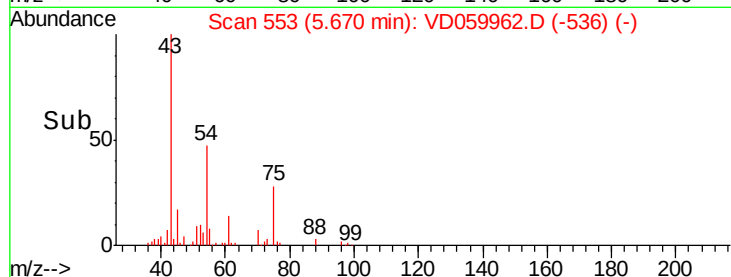
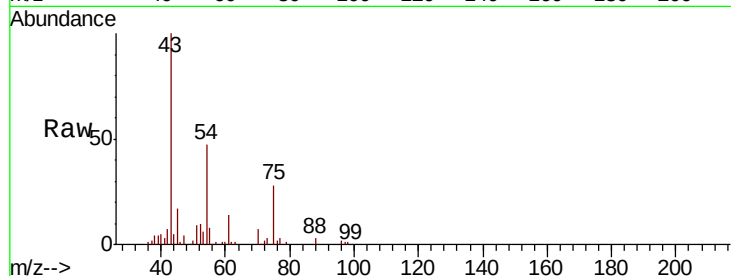
#37
Ethyl Acetate
Concen: 20.12 ug/l
RT: 5.67 min Scan# 553
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleID :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	7.4	5.7	8.5

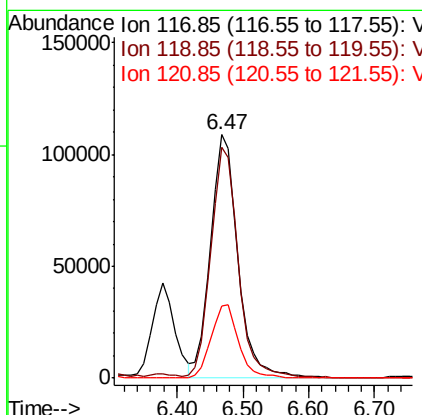
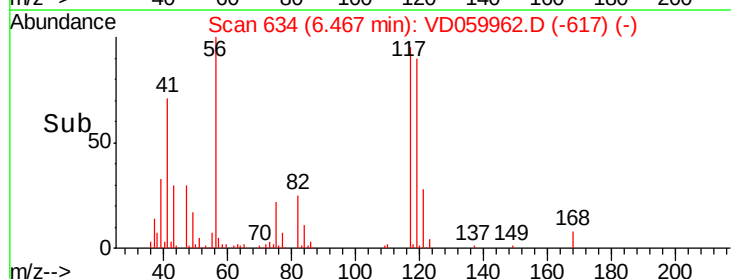
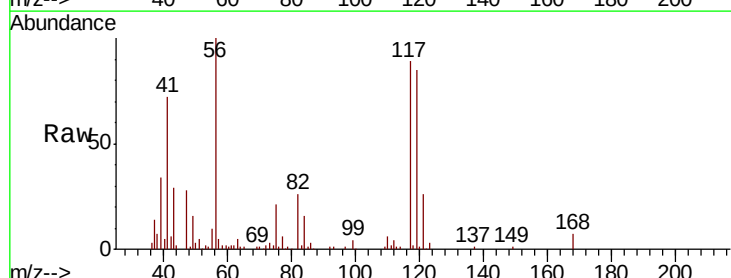
Manual Integrations
APPROVED

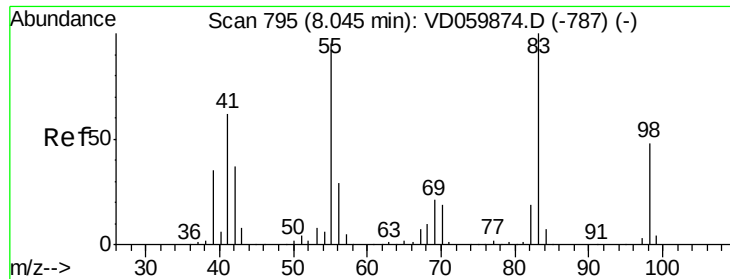
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#38
Carbon Tetrachloride
Concen: 19.86 ug/l
RT: 6.47 min Scan# 634
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.2	115.8
121	29.7	24.0	36.0





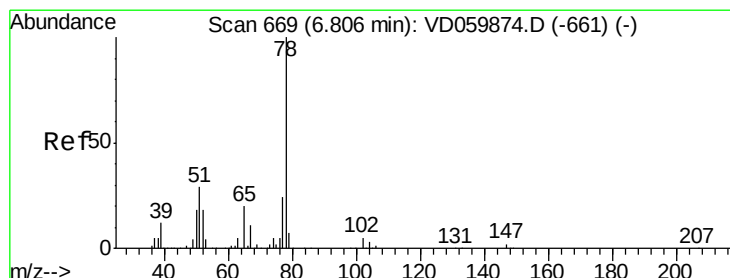
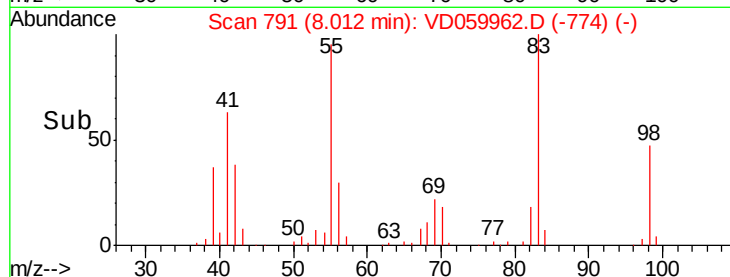
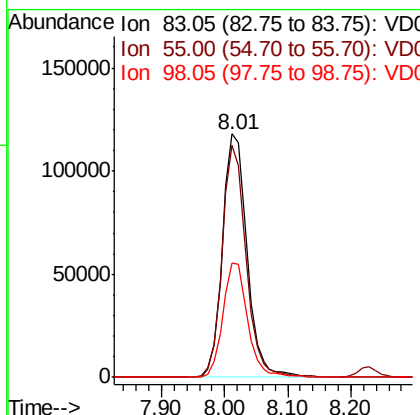
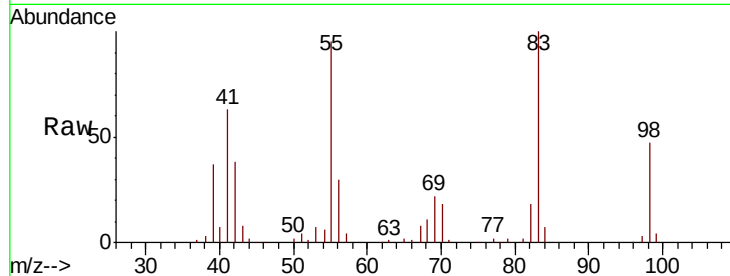
#39
Methylvlcyclohexane
Concen: 18.96 ug/l
RT: 8.01 min Scan# 791
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.3	75.8	113.6
98	47.1	38.3	57.5

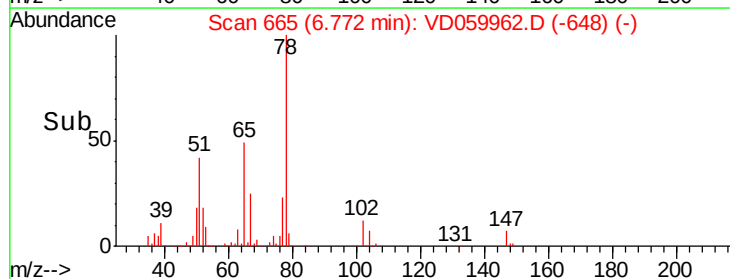
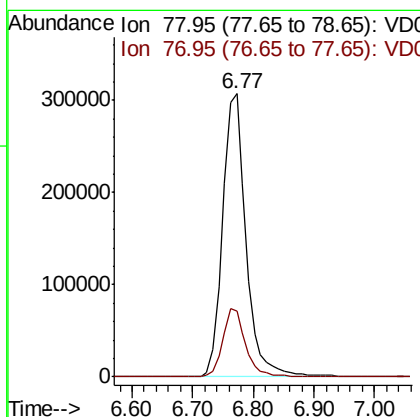
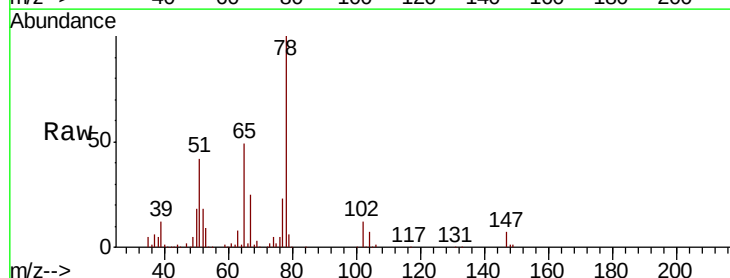
Manual Integrations
APPROVED

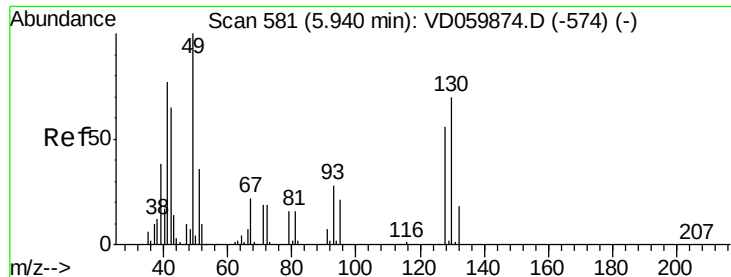
apatel
9/6/2018 2:16:44 PM



#40
Benzene
Concen: 20.25 ug/l
RT: 6.77 min Scan# 665
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4





#41

Methacrylonitrile

Concen: 20.95 ug/l m

RT: 5.90 min Scan# 576

Delta R.T. -0.04 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion: 41 Resp: 128300

Ion Ratio Lower Upper

41 100

39 46.9 39.4 59.2

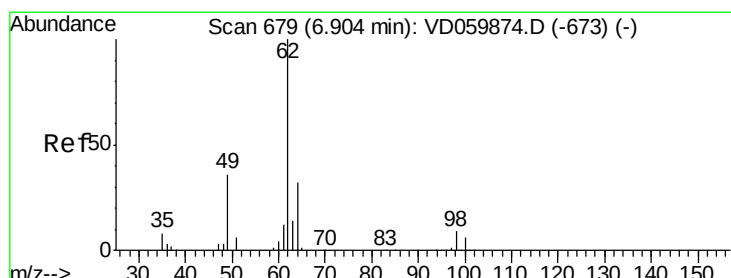
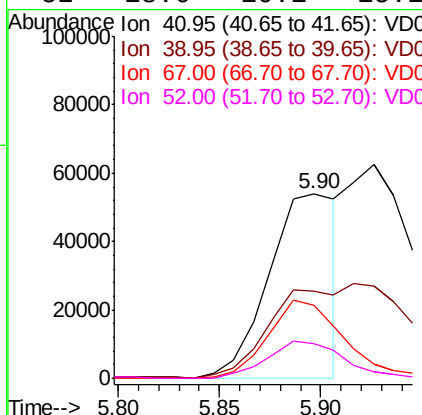
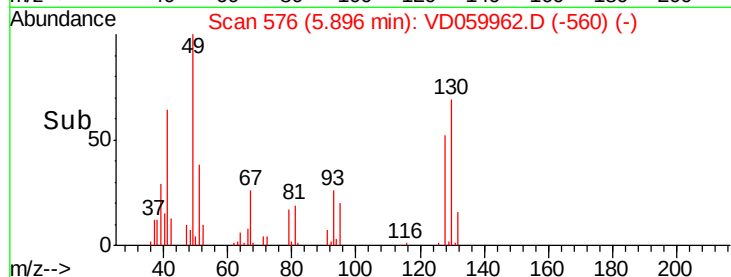
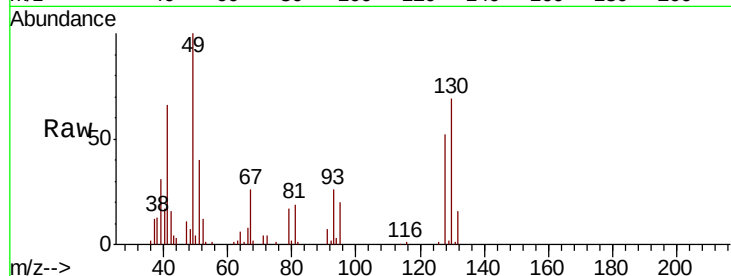
67 39.8 22.2 33.2#

52 18.6 10.1 15.1#

Manual Integrations
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apatel

9/6/2018 2:16:44 PM



#42

1,2-Dichloroethane

Concen: 20.29 ug/l

RT: 6.87 min Scan# 675

Delta R.T. -0.03 min

Lab File: VD059962.D

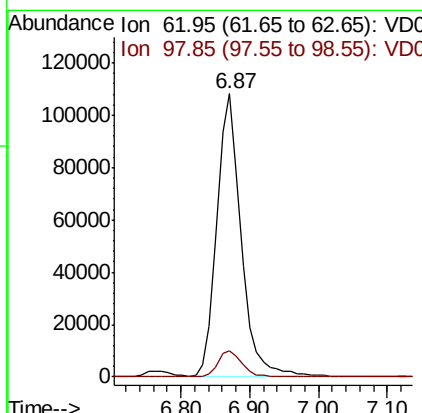
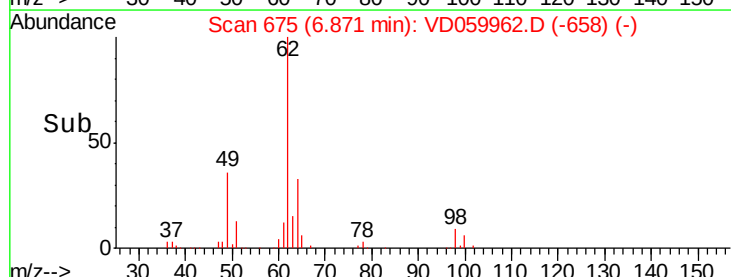
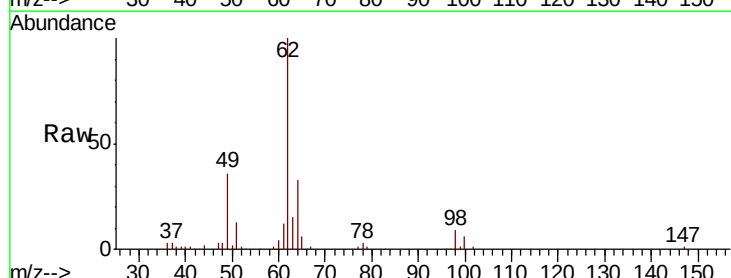
Acq: 5 Sep 2018 11:51

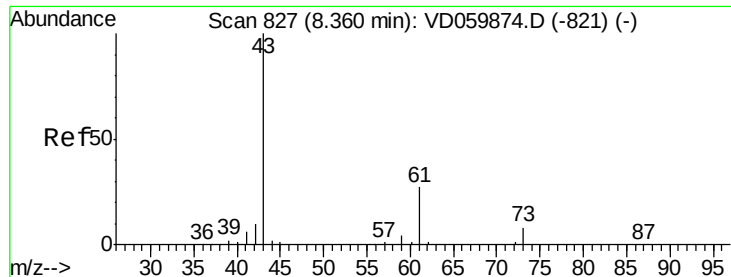
Tgt Ion: 62 Resp: 264650

Ion Ratio Lower Upper

62 100

98 9.3 0.0 18.4





#43

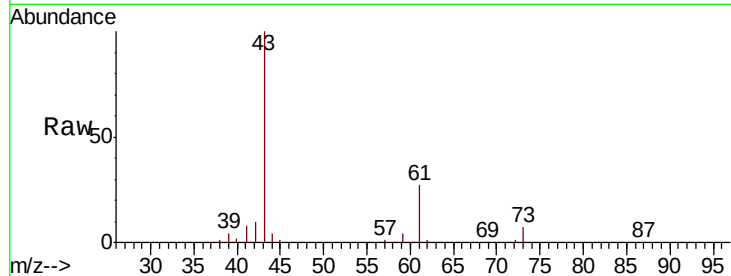
Isopropyl Acetate
 Concen: 20.67 ug/l
 RT: 8.33 min Scan# 823
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

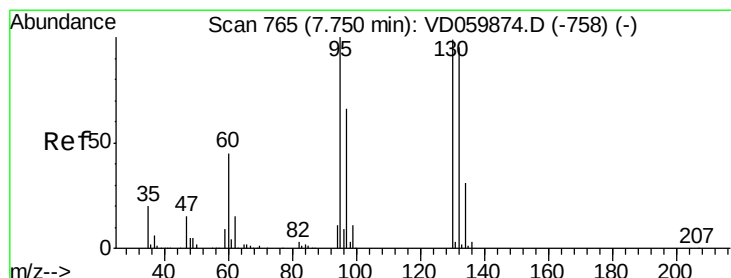
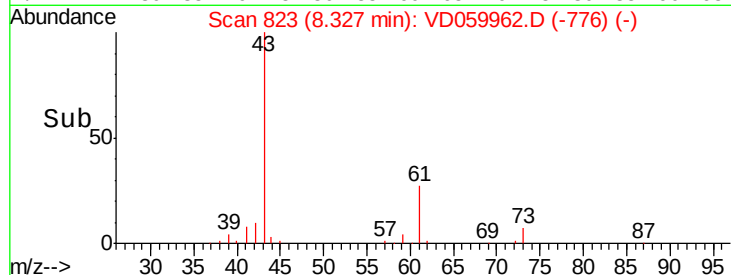
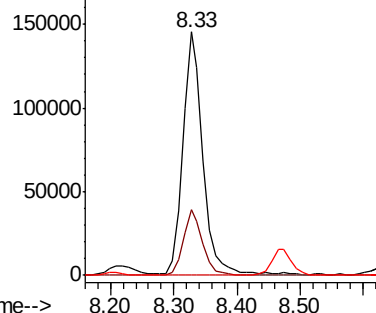
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.4	32.2
87	0.3	0.2	0.4

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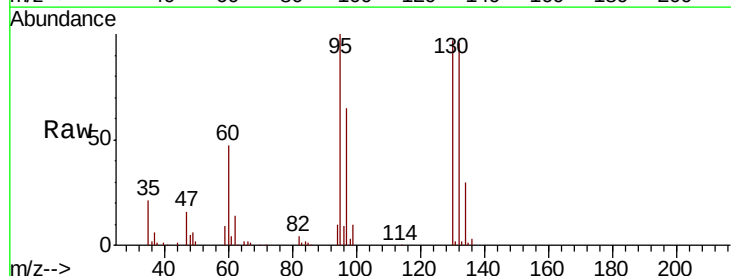
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



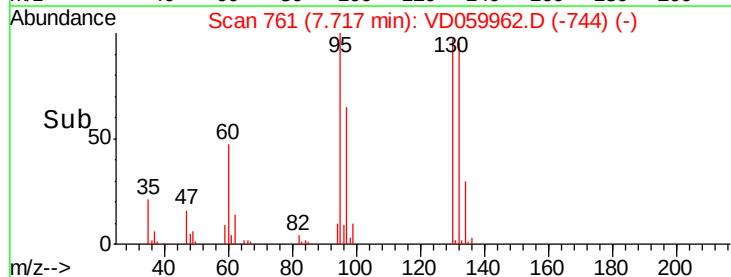
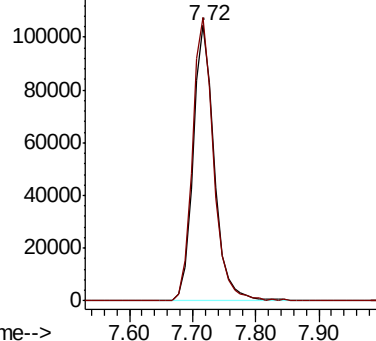
#44

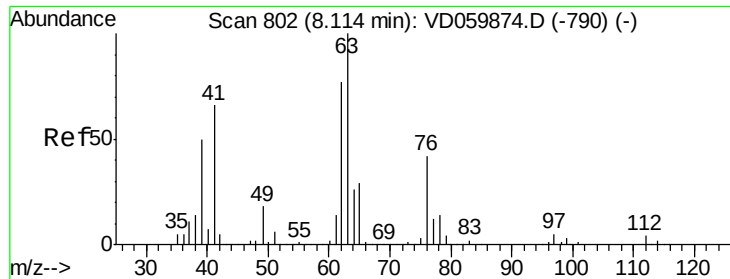
Trichloroethene
 Concen: 20.43 ug/l
 RT: 7.72 min Scan# 761
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	202.0



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





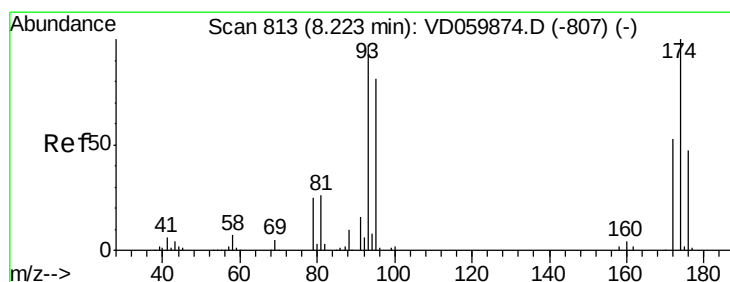
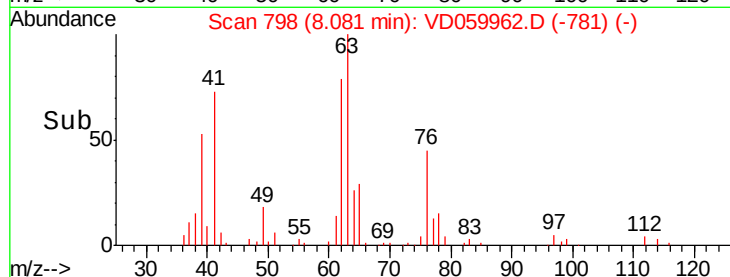
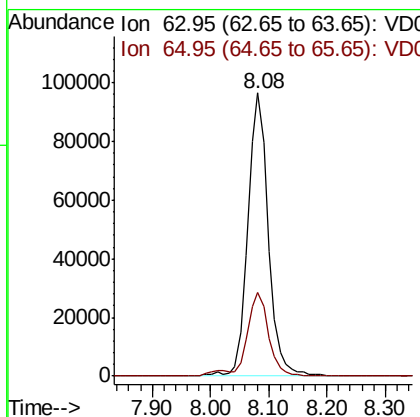
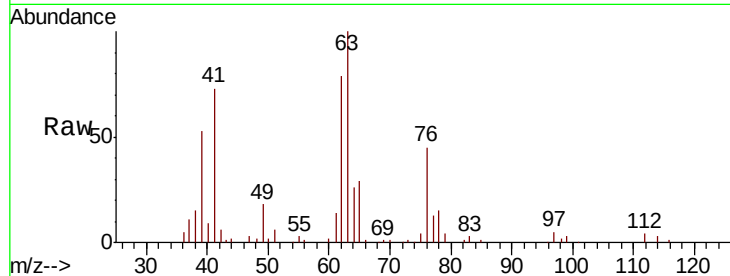
#45
 1,2-Dichloropropane
 Concen: 20.86 ug/l
 RT: 8.08 min Scan# 798
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	23.5	35.3

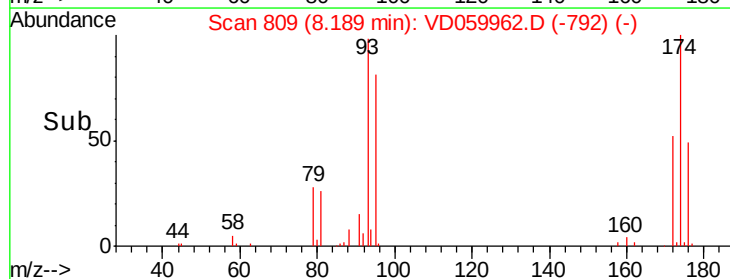
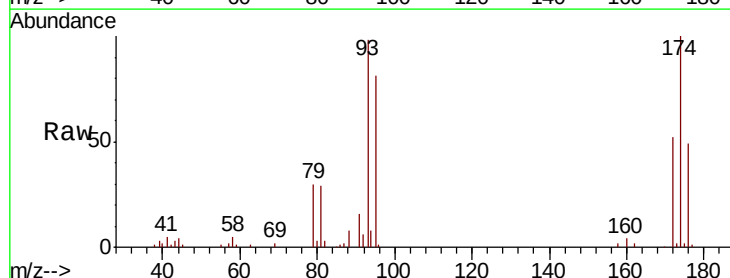
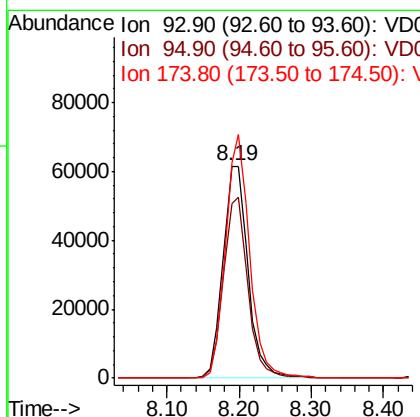
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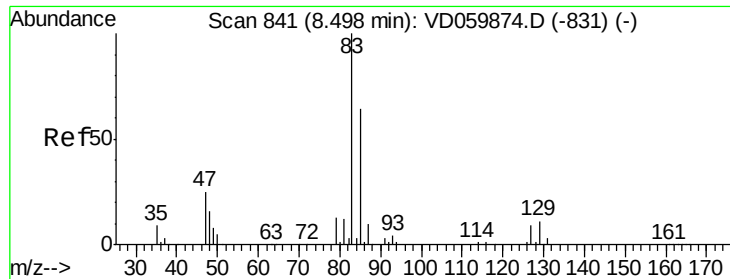
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#46
 Dibromomethane
 Concen: 20.28 ug/l
 RT: 8.19 min Scan# 809
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.6	100.0
174	102.0	82.4	123.6





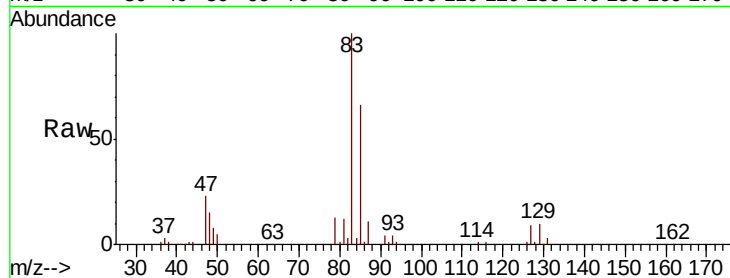
#47
Bromodichloromethane
Concen: 20.55 ug/l
RT: 8.46 min Scan# 837
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

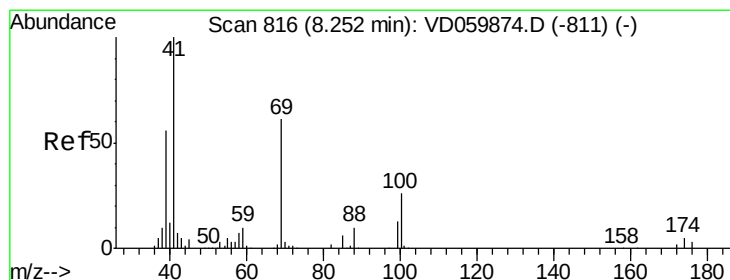
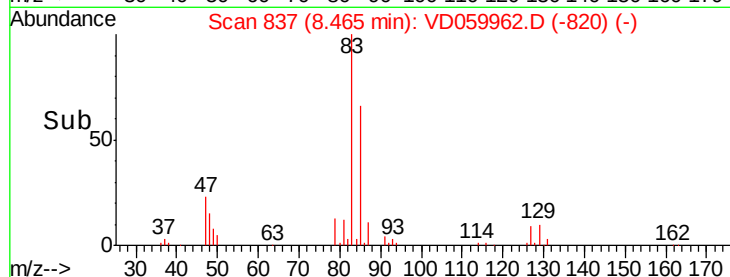
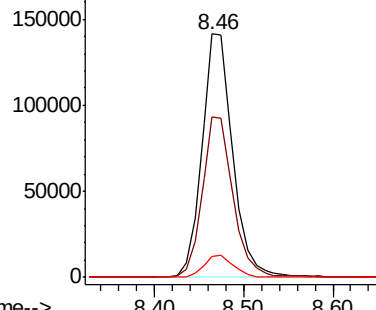
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.1	51.3	76.9	
127	8.6	7.0	10.4	

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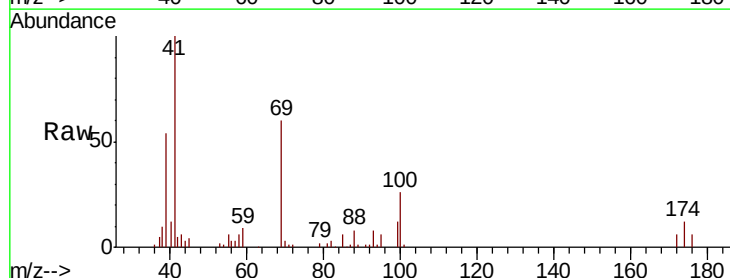


Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC

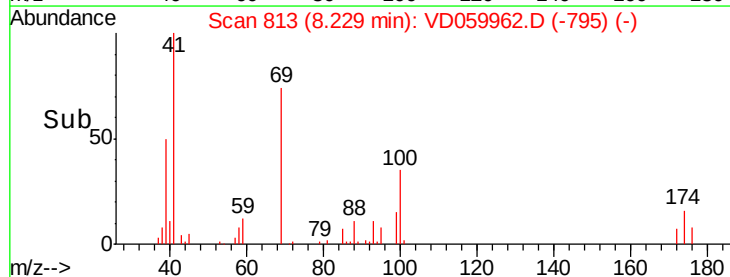
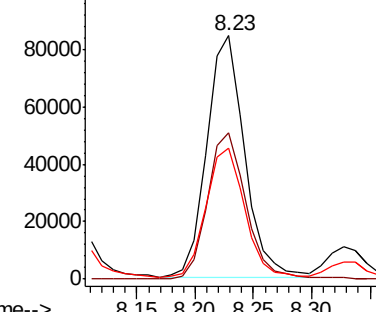


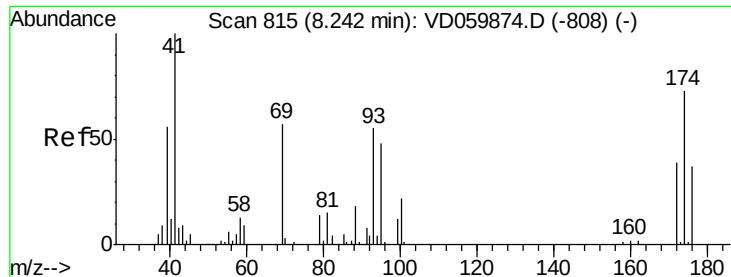
#48
Methyl methacrylate
Concen: 20.42 ug/l
RT: 8.23 min Scan# 813
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	60.0	48.0	72.0	
39	53.7	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





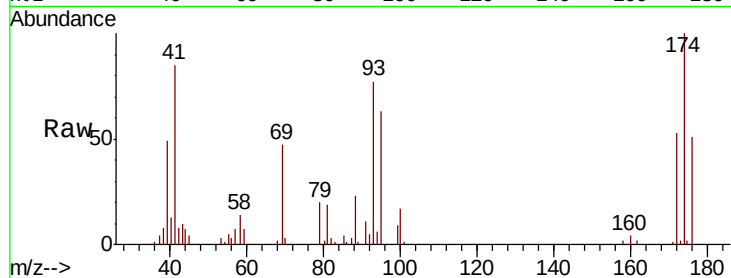
#49
1,4-Dioxane
Concen: 440.48 ug/l
RT: 8.21 min Scan# 811
Delta R.T. -0.03 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.9	45.0	67.6#
58	61.4	55.8	83.8

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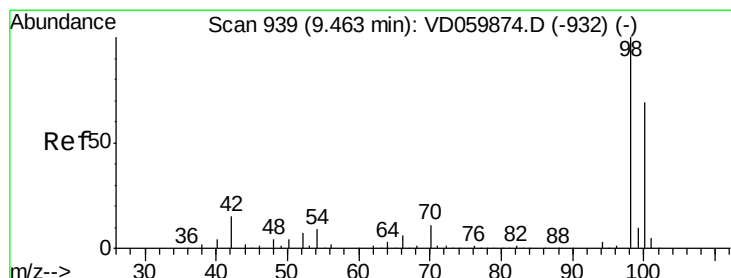
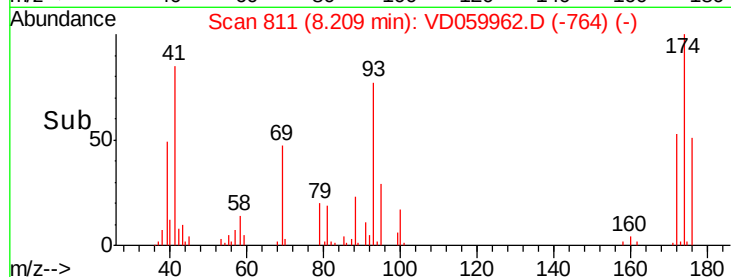
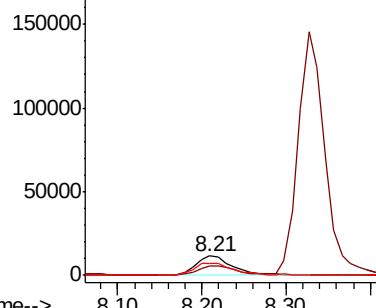


Abundance

Ion 88.00 (87.70 to 88.70): VDC

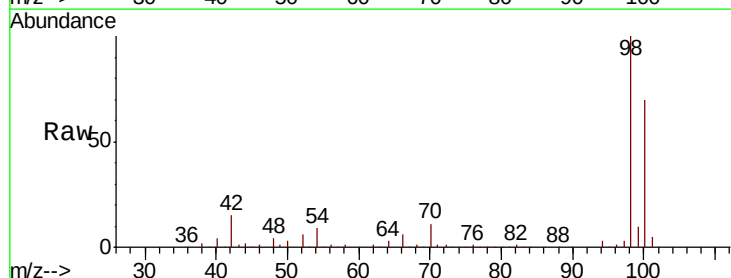
Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50
Toluene-d8
Concen: 440.48 ug/l
RT: 9.44 min Scan# 936
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

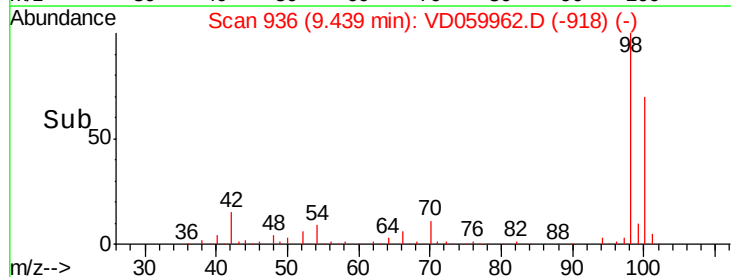
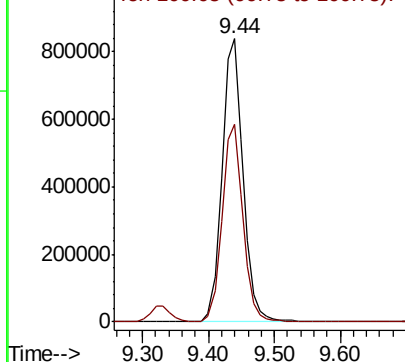
Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.8	55.8	83.6

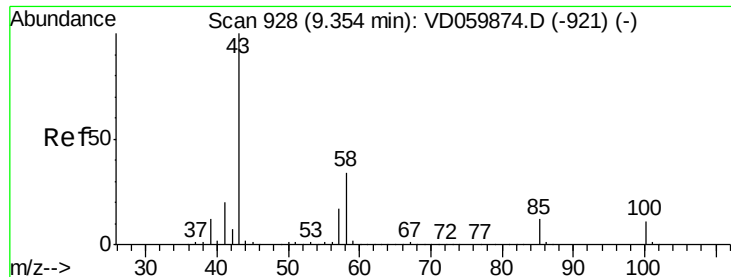


Abundance

Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 91.42 ug/l

RT: 9.32 min Scan# 924

Delta R.T. -0.03 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion: 43 Resp: 1078041

Ion Ratio Lower Upper

43 100

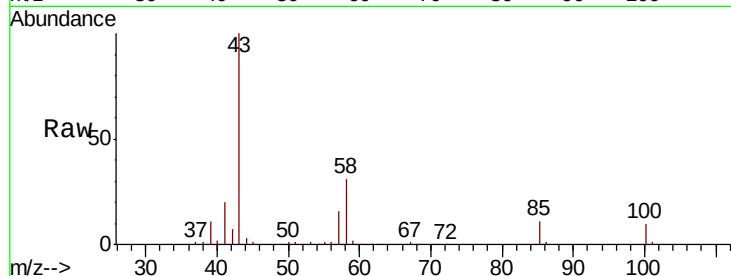
58 30.9 27.0 40.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.32

500000

400000

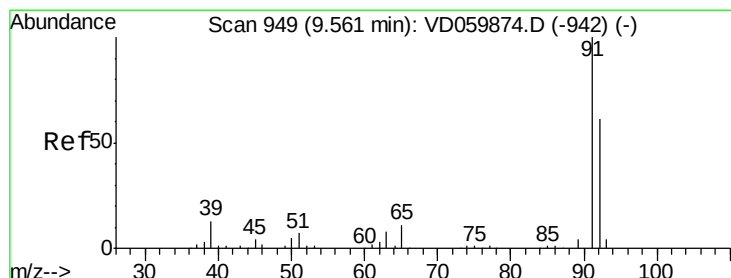
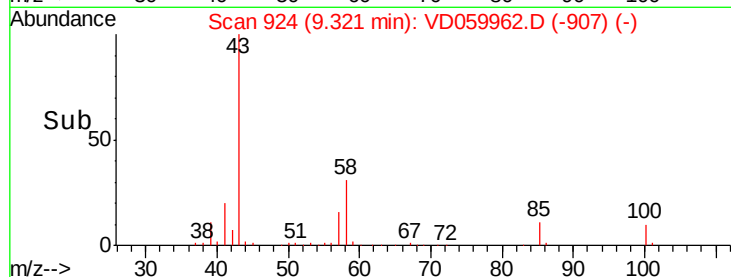
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.49 ug/l

RT: 9.53 min Scan# 945

Delta R.T. -0.03 min

Lab File: VD059962.D

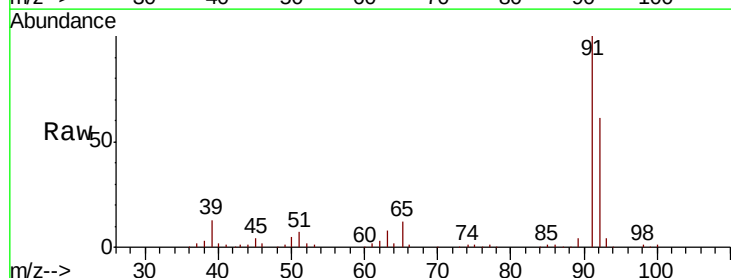
Acq: 5 Sep 2018 11:51

Tgt Ion: 92 Resp: 533858

Ion Ratio Lower Upper

92 100

91 164.7 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

500000

400000

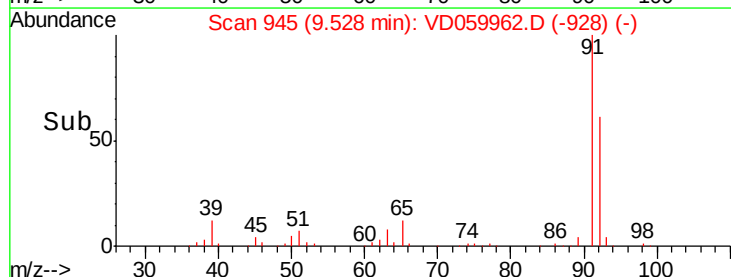
300000

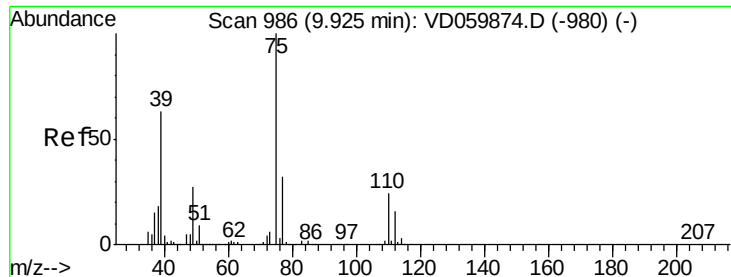
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.29 ug/l

RT: 9.90 min Scan# 983

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion: 75 Resp: 310171

Ion Ratio Lower Upper

75 100

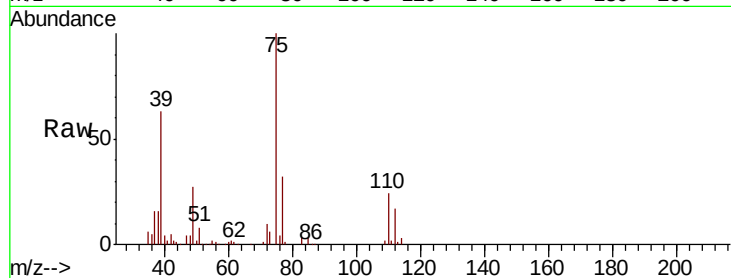
77 32.5 25.4 38.2

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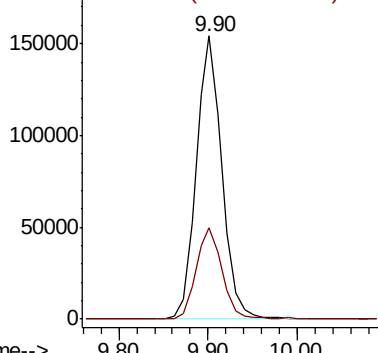
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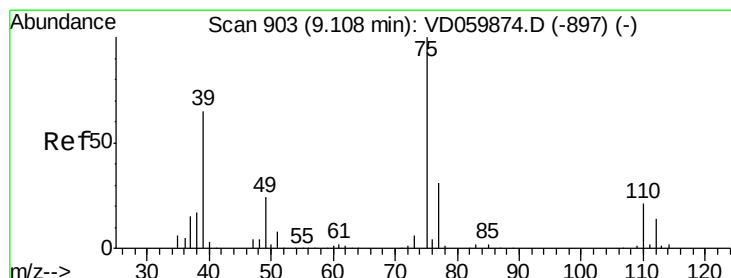
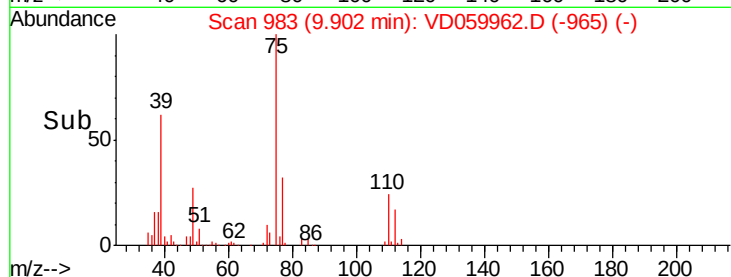


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.66 ug/l

RT: 9.08 min Scan# 900

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

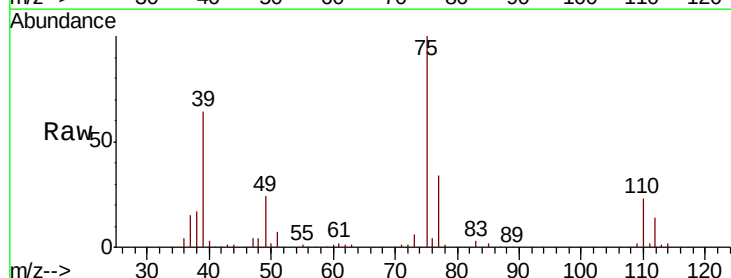
Tgt Ion: 75 Resp: 366167

Ion Ratio Lower Upper

75 100

77 33.6 24.8 37.2

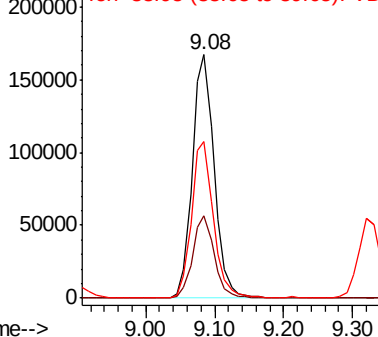
39 64.2 52.1 78.1



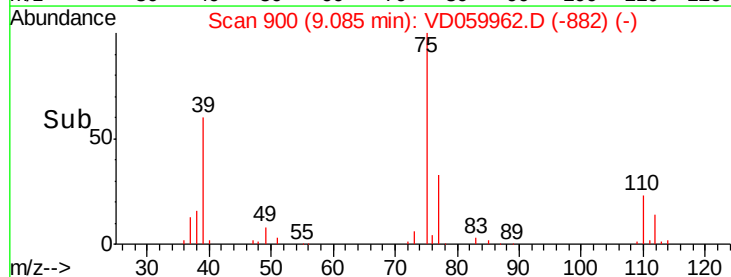
Abundance Ion 75.00 (74.70 to 75.70): VDC

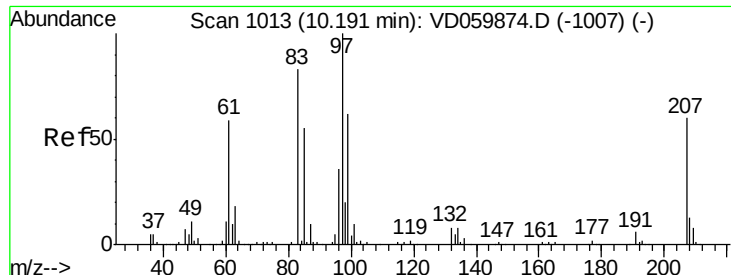
Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



Time-->





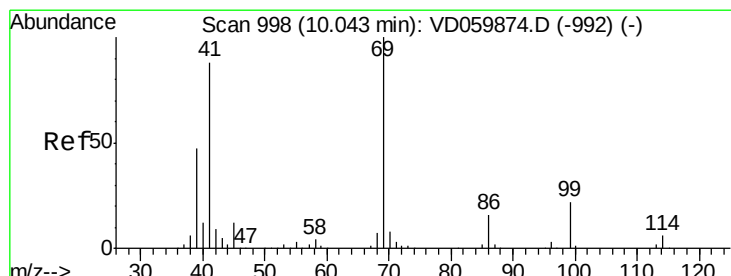
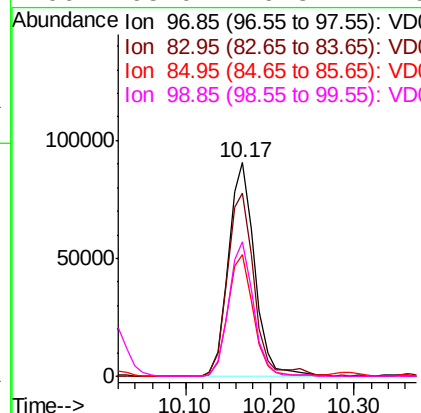
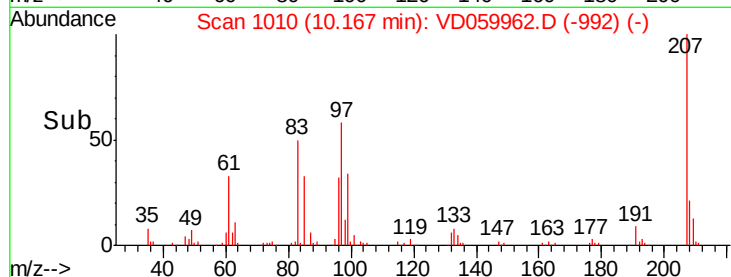
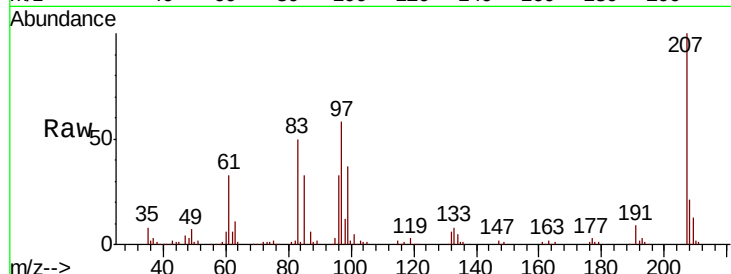
#55
 1,1,2-Trichloroethane
 Concen: 20.50 ug/l
 RT: 10.17 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		195190		
83	85.8	66.7	100.1		
85	56.8	43.8	65.6		
99	63.0	49.8	74.6		

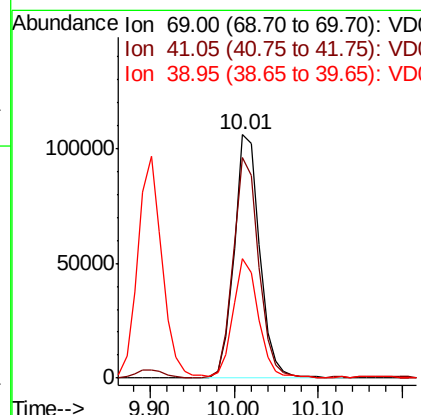
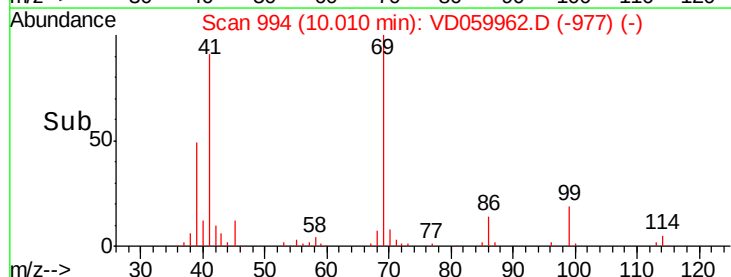
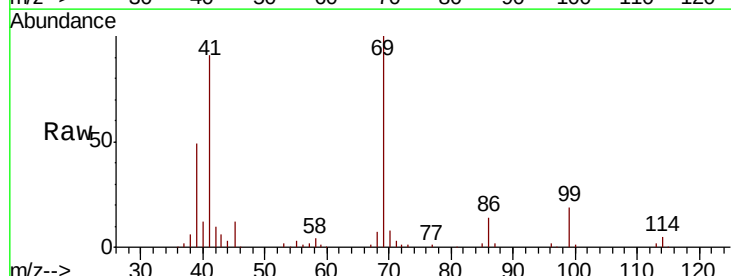
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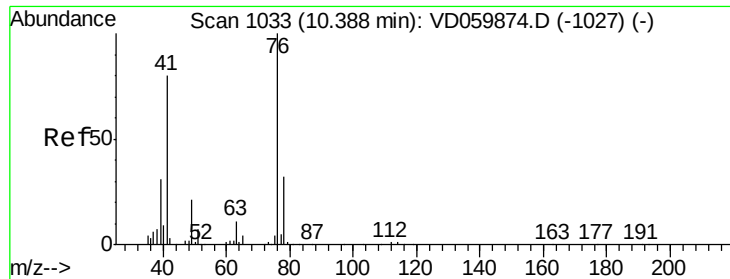
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#56
 Ethyl methacrylate
 Concen: 20.33 ug/l
 RT: 10.01 min Scan# 994
 Delta R.T. -0.03 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		223373		
41	90.8	71.0	106.4		
39	48.8	38.5	57.7		





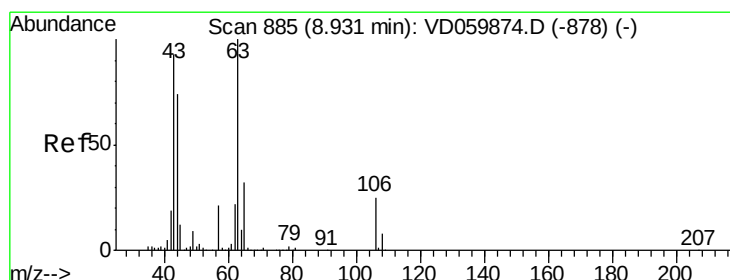
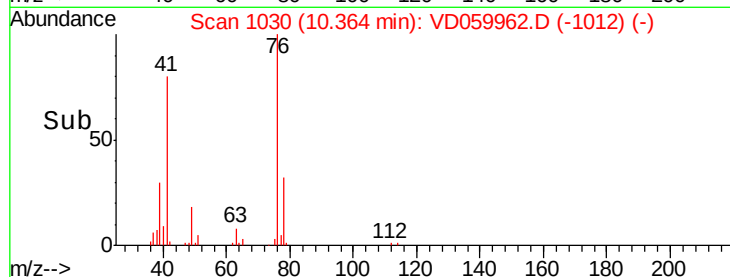
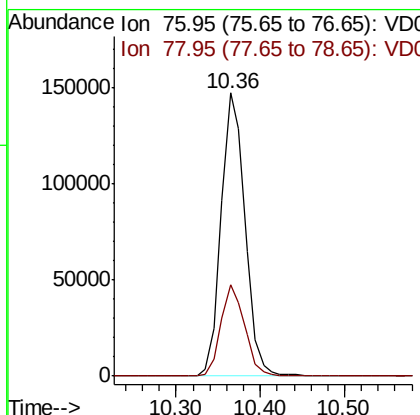
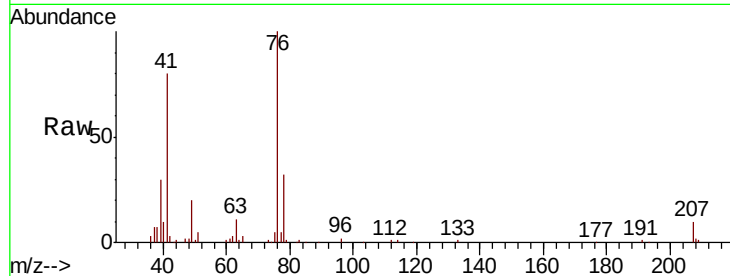
#57
 1,3-Dichloropropane
 Concen: 21.05 ug/l
 RT: 10.36 min Scan# 1030
 Delta R.T. -0.02 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion: 76 Resp: 290156
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

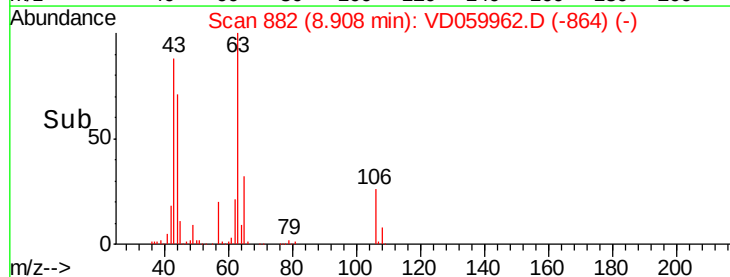
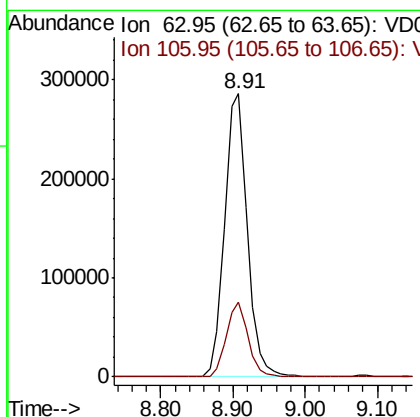
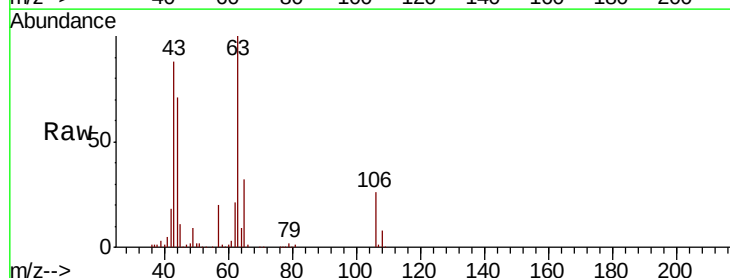
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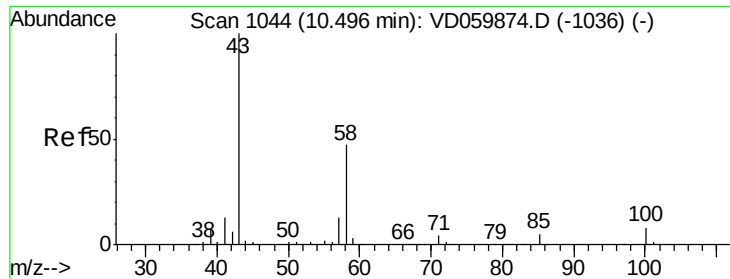
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#58
 2-Chloroethyl Vinyl ether
 Concen: 118.07 ug/l
 RT: 8.91 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion: 63 Resp: 622466
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.1 30.1





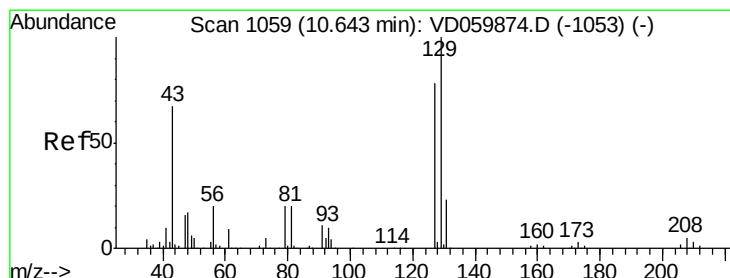
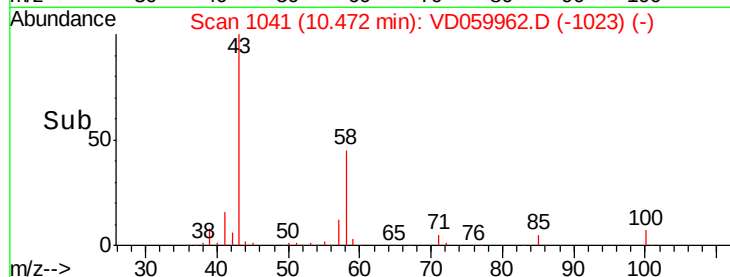
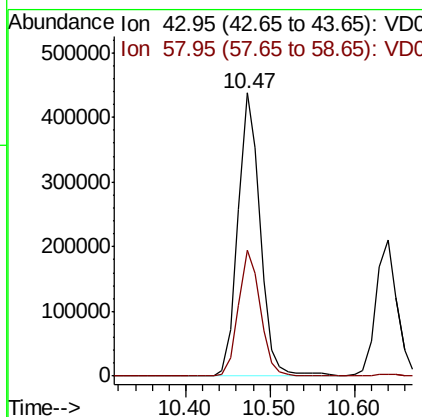
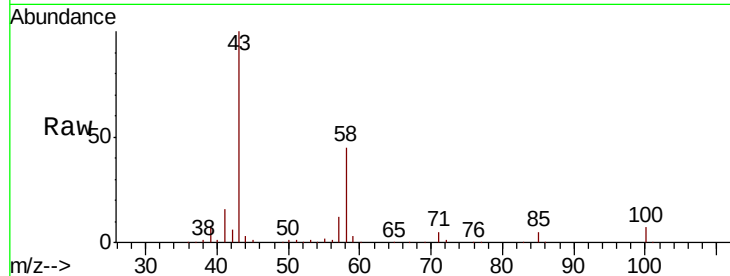
#59
2-Hexanone
Concen: 92.52 ug/l
RT: 10.47 min Scan# 1041
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion: 43 Resp: 804672
Ion Ratio Lower Upper
43 100
58 44.5 23.3 69.8

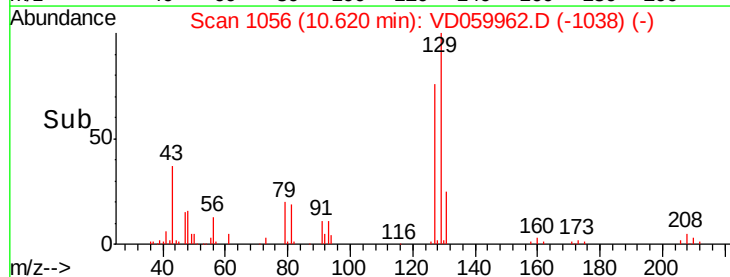
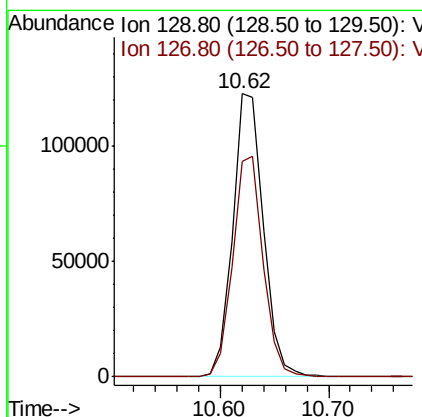
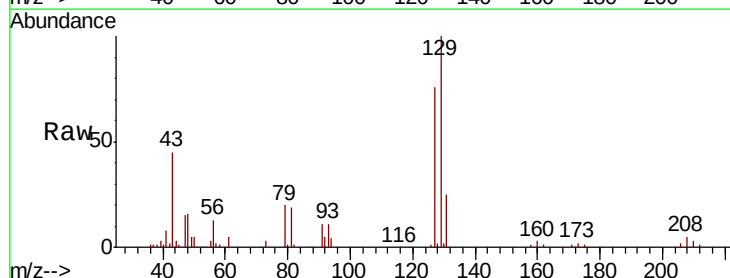
Manual Integrations
APPROVED

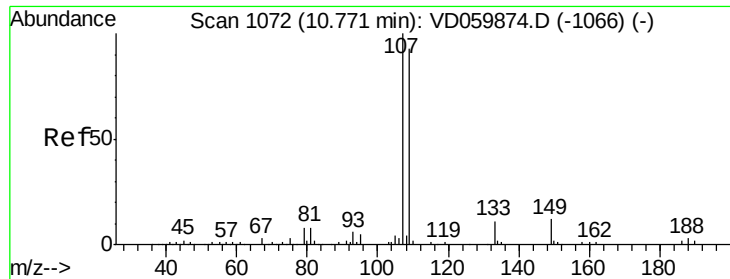
apatel
9/6/2018 2:16:44 PM



#60
Dibromochloromethane
Concen: 20.16 ug/l
RT: 10.62 min Scan# 1056
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion: 129 Resp: 241340
Ion Ratio Lower Upper
129 100
127 76.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.96 ug/l

RT: 10.75 min Scan# 1069

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion: 107 Resp: 192217

Ion Ratio Lower Upper

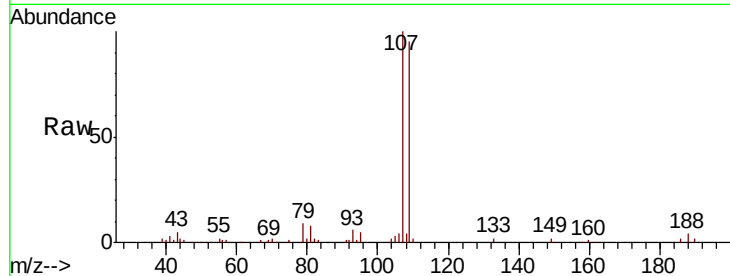
107 100

109 94.8 74.6 112.0

Manual Integrations
APPROVED

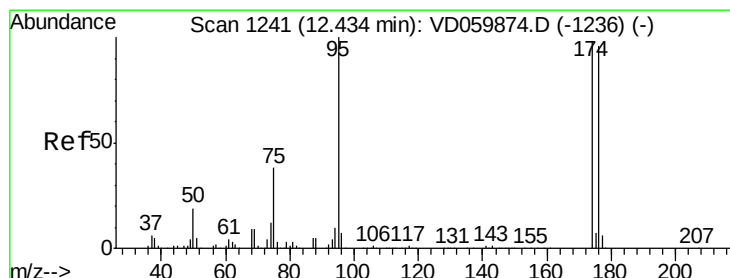
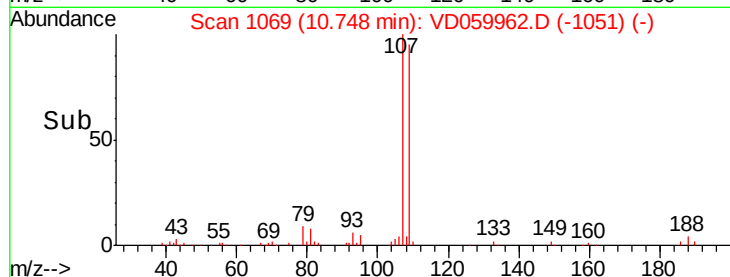
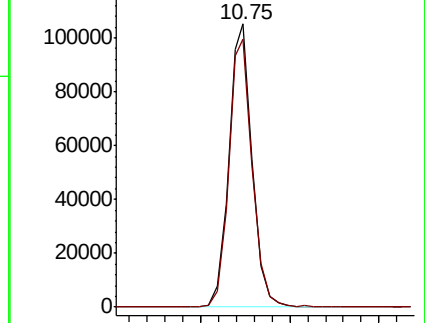
apatel

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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: 19.96 ug/l

RT: 12.42 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

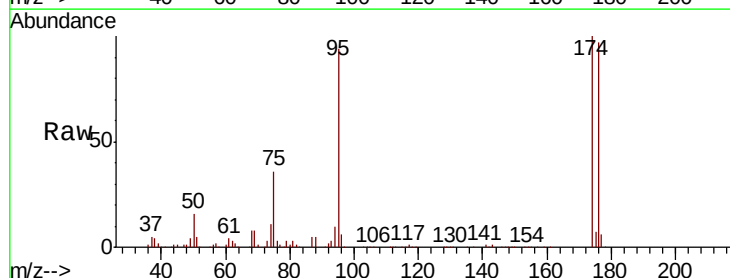
Tgt Ion: 95 Resp: 754428

Ion Ratio Lower Upper

95 100

174 106.8 0.0 195.6

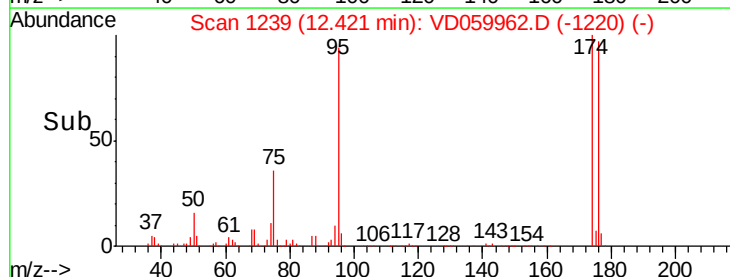
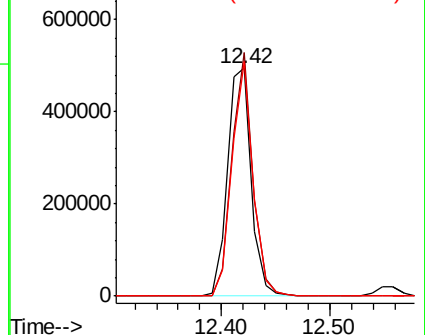
176 103.2 0.0 191.2

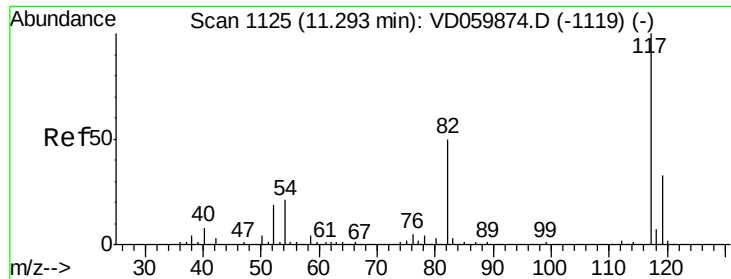


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





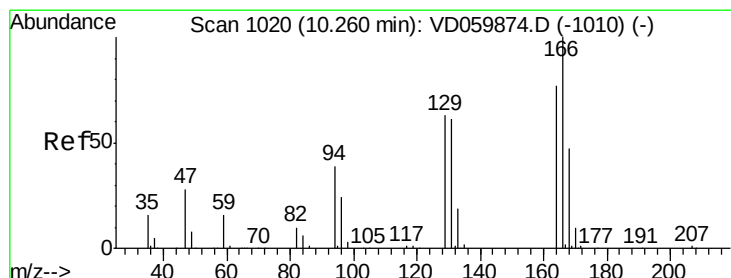
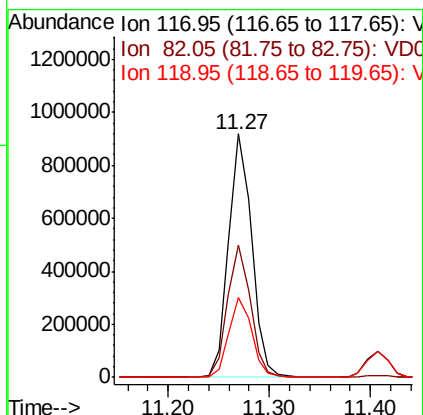
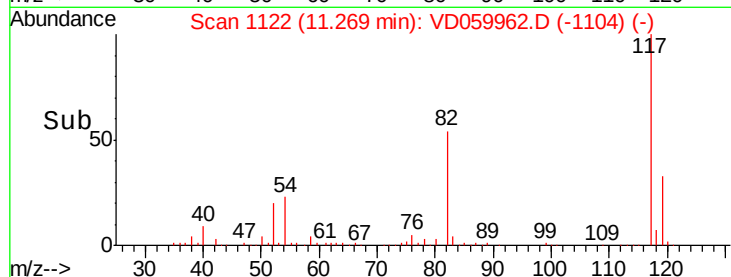
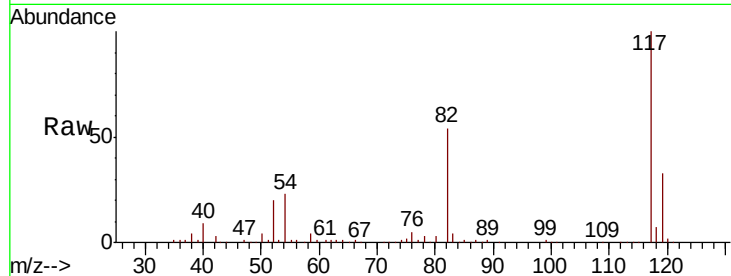
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	40.1	60.1
119	32.9	26.7	40.1

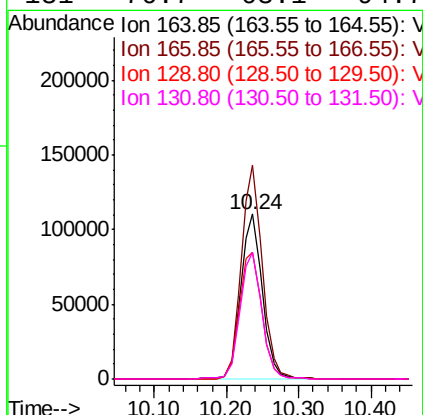
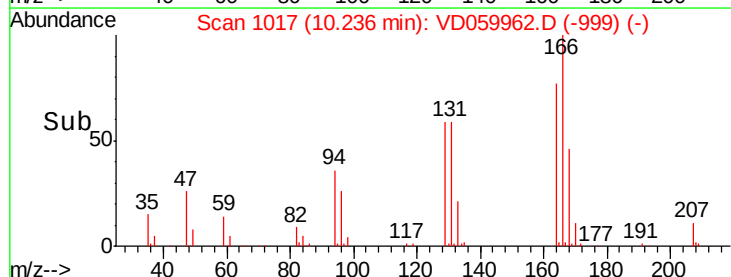
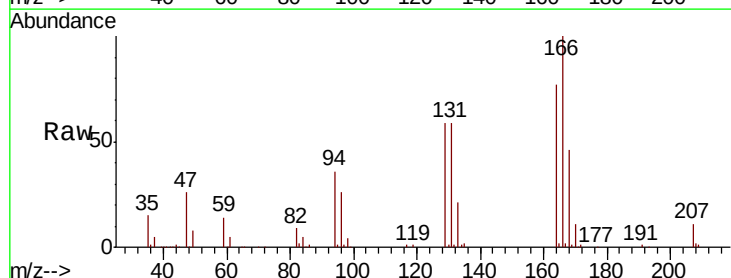
Manual Integrations
APPROVED

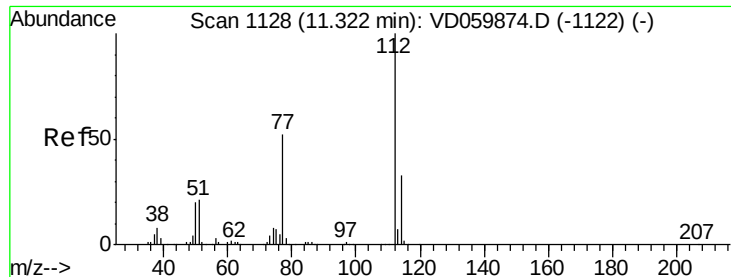
apatel
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#64
Tetrachloroethene
Concen: 20.31 ug/l
RT: 10.24 min Scan# 1017
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	103.4	155.2
129	77.1	65.2	97.8
131	76.7	63.1	94.7





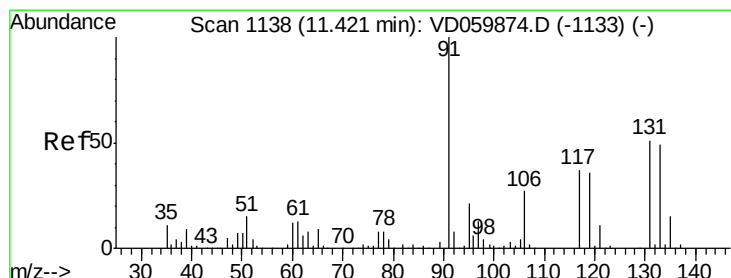
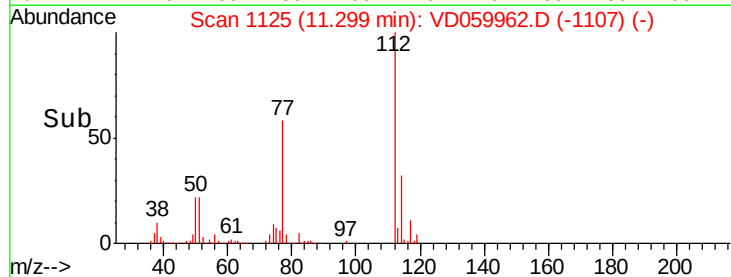
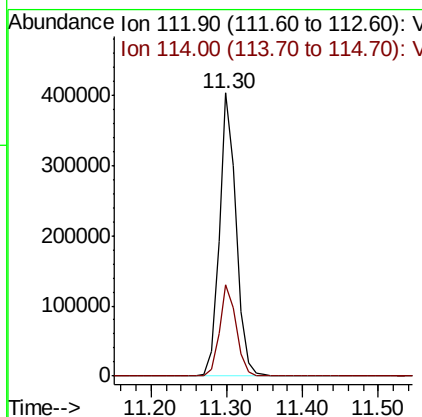
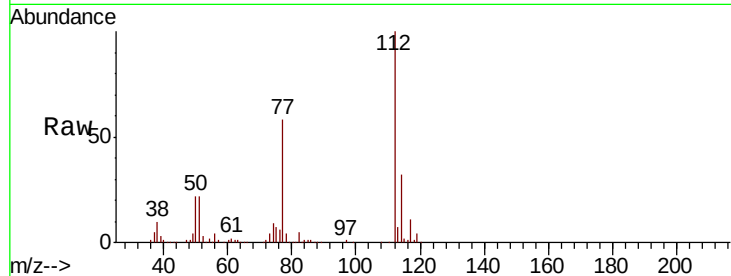
#65
Chlorobenzene
Concen: 21.35 ug/l
RT: 11.30 min Scan# 1125
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion:112 Resp: 622654
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6

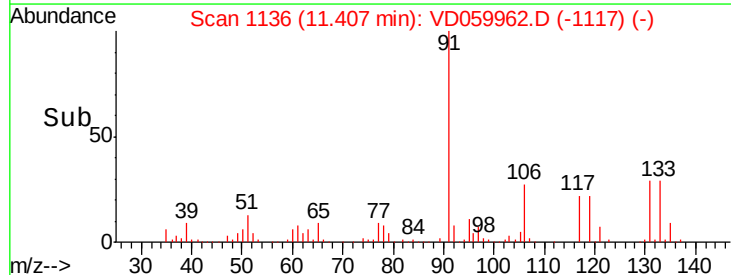
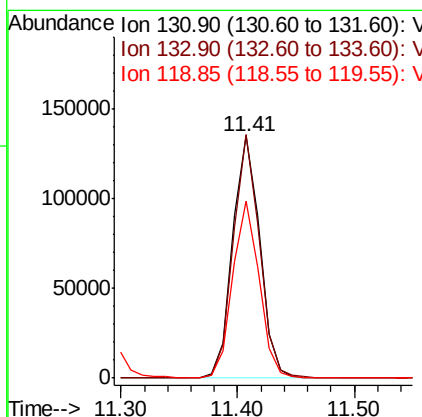
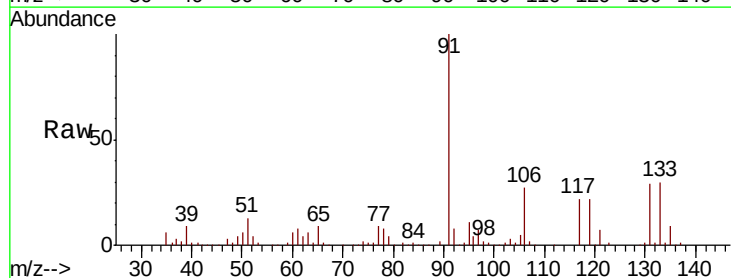
Manual Integrations
APPROVED

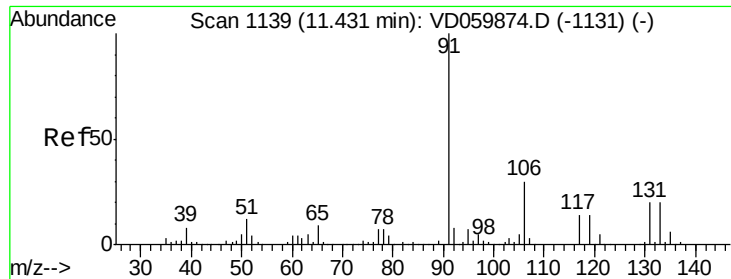
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.51 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion:131 Resp: 218462
Ion Ratio Lower Upper
131 100
133 100.6 48.3 144.8
119 73.2 35.4 106.3





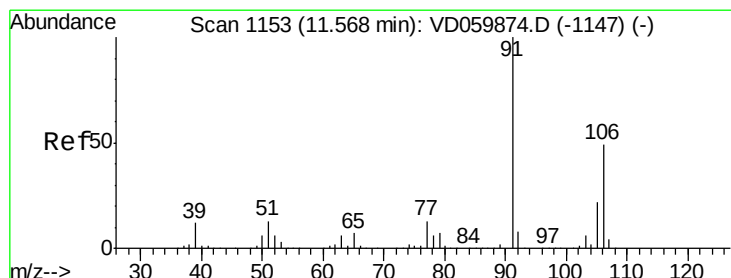
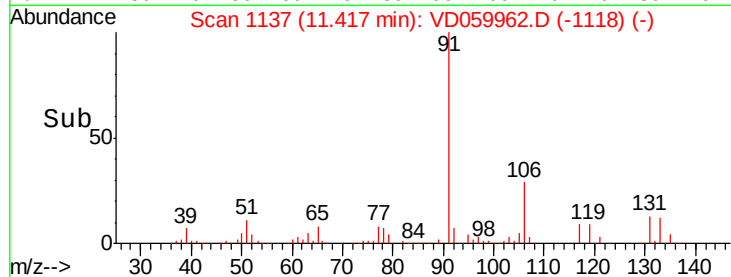
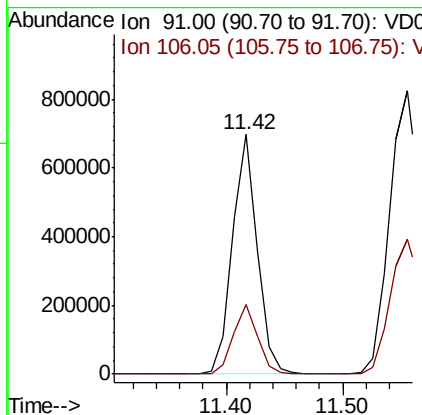
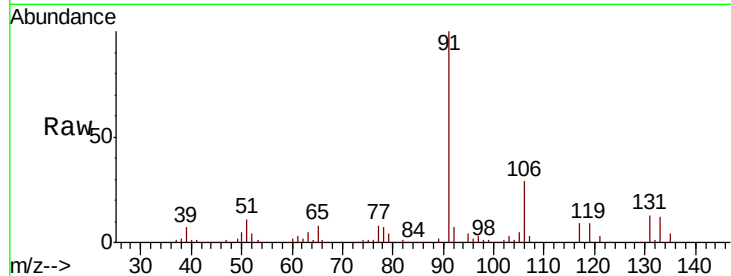
#67
Ethyl Benzene
Concen: 20.89 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion: 91 Resp: 1024742
Ion Ratio Lower Upper
91 100
106 29.0 23.8 35.8

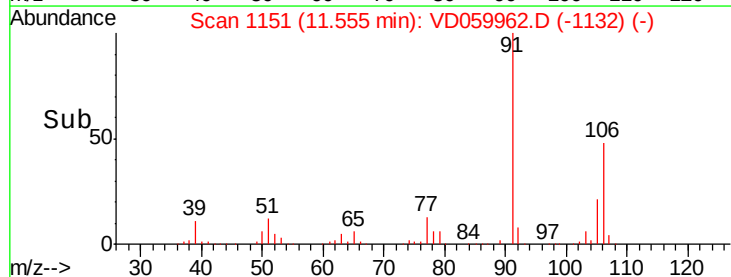
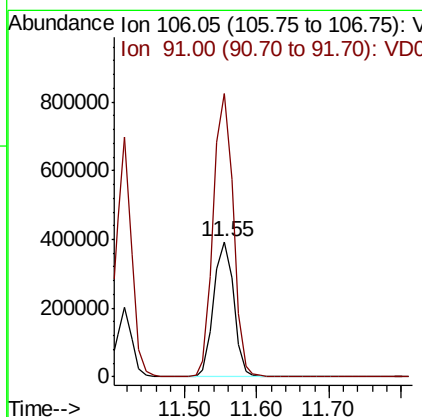
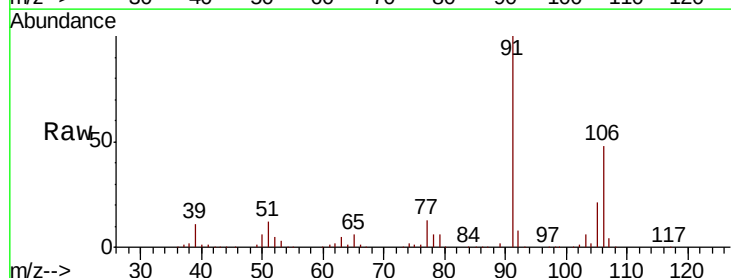
Manual Integrations
APPROVED

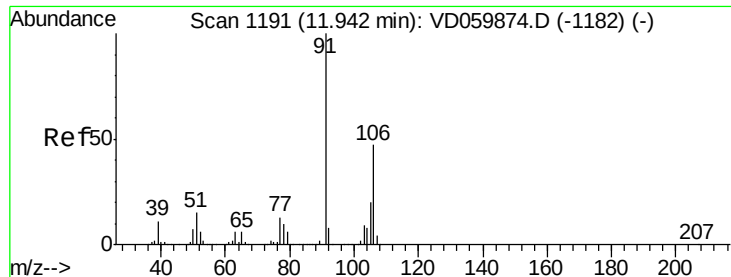
apatel
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#68
m/p-Xylenes
Concen: 42.00 ug/l
RT: 11.55 min Scan# 1151
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion:106 Resp: 750099
Ion Ratio Lower Upper
106 100
91 209.8 162.0 243.0





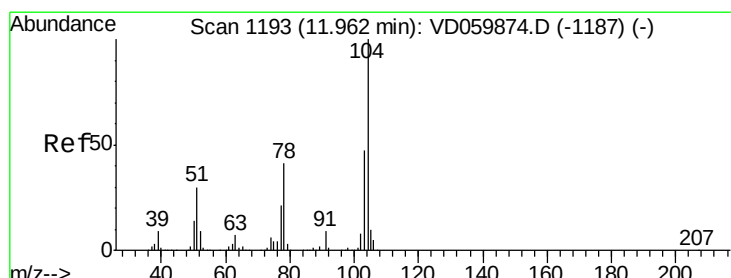
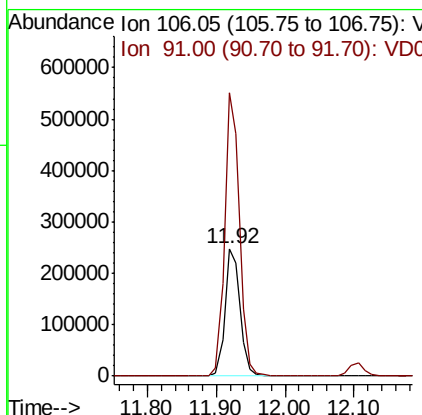
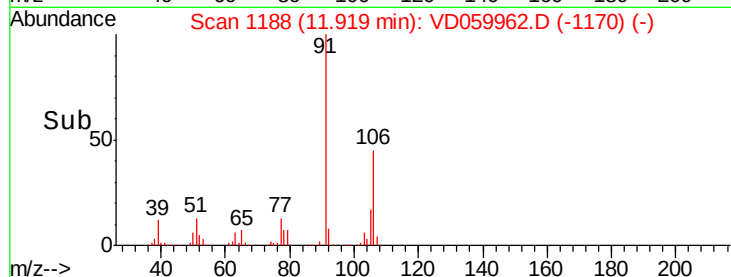
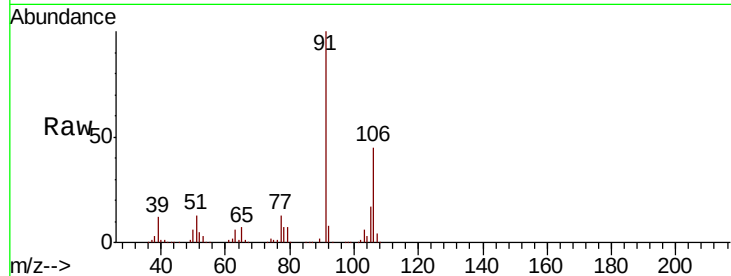
#69
o-Xylene
Concen: 21.44 ug/l
RT: 11.92 min Scan# 1188
Delta R.T. -0.02 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		374537		
91	222.2	107.3	322.0		

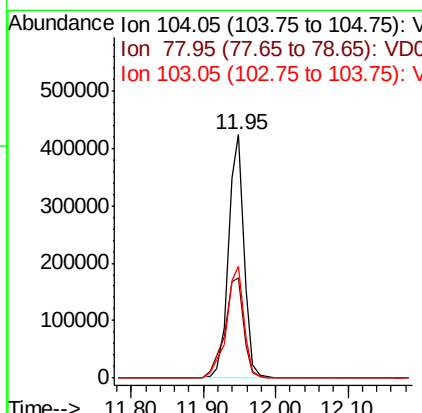
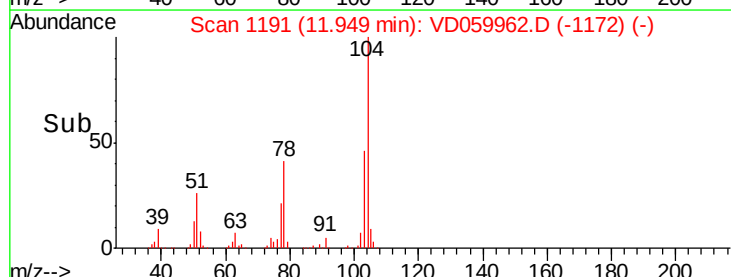
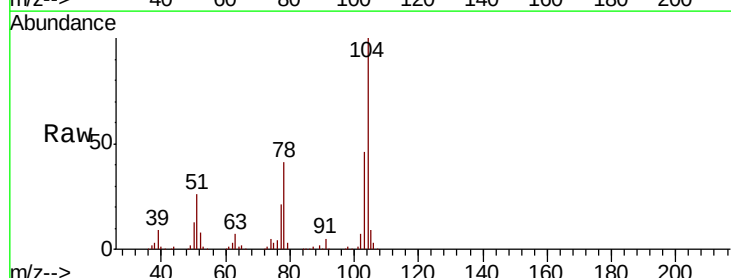
Manual Integrations
APPROVED

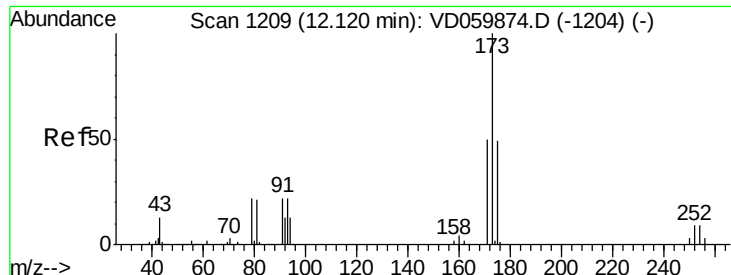
apatel
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#70
Styrene
Concen: 20.89 ug/l
RT: 11.95 min Scan# 1191
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		631947		
78	41.3	32.6	49.0		
103	46.0	37.7	56.5		





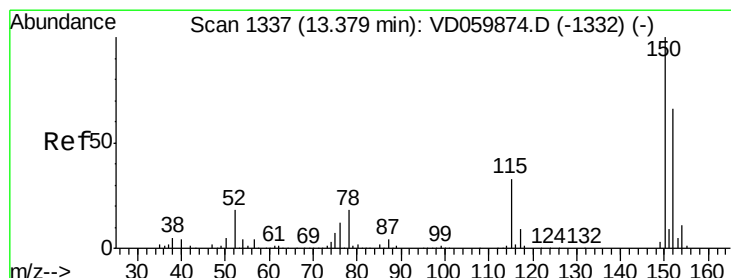
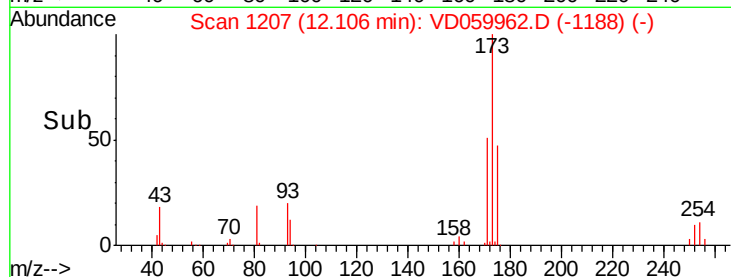
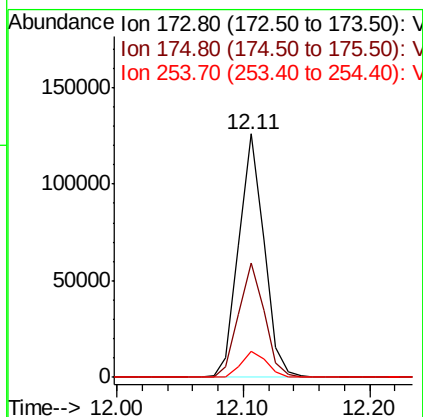
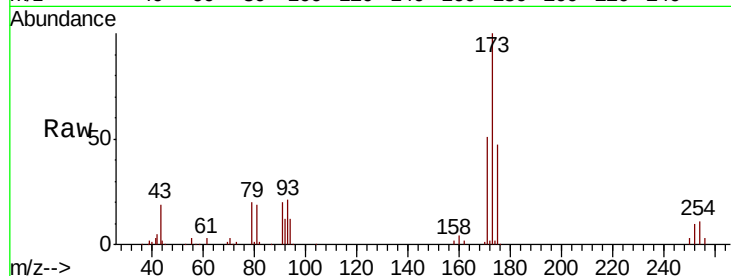
#71
Bromoform
Concen: 18.94 ug/l
RT: 12.11 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.8	24.3	73.0
254	10.6	7.0	10.6

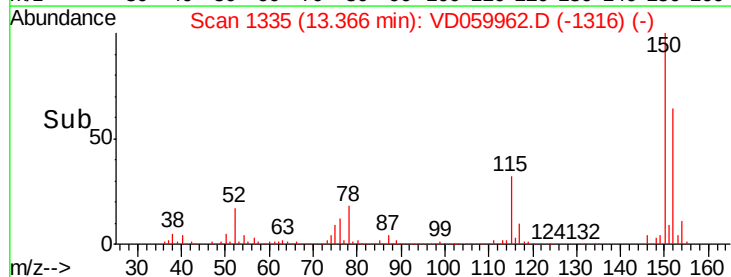
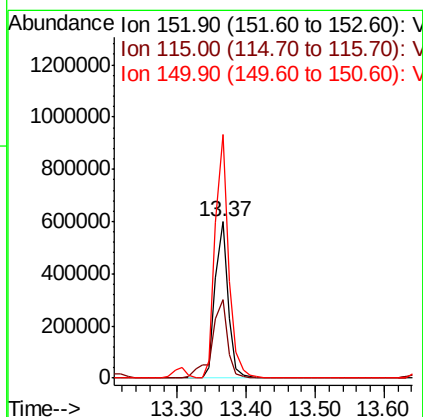
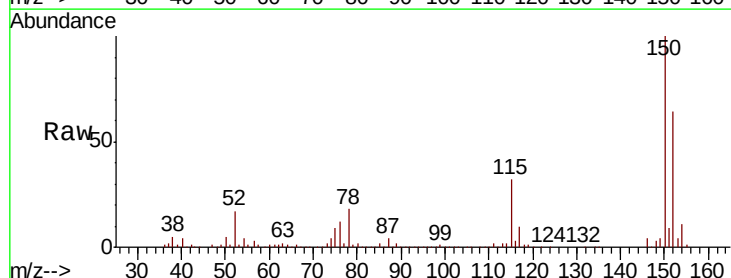
Manual Integrations
APPROVED

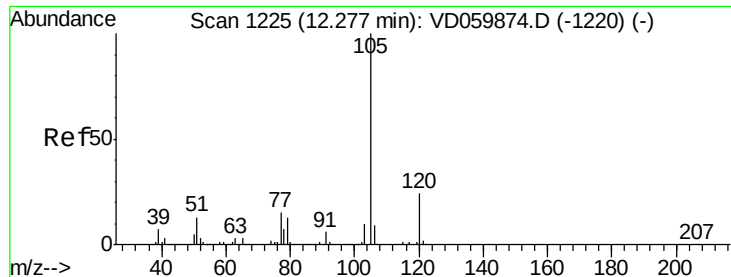
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1335
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.2	25.7	77.0
150	155.9	0.0	310.2





#73

Isopropylbenzene

Concen: 20.53 ug/l

RT: 12.26 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion:105 Resp: 1015866

Ion Ratio Lower Upper

105 100

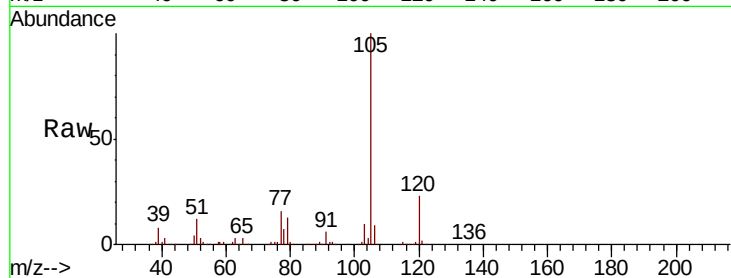
120 23.1 11.8 35.4

Manual Integrations

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

800000

600000

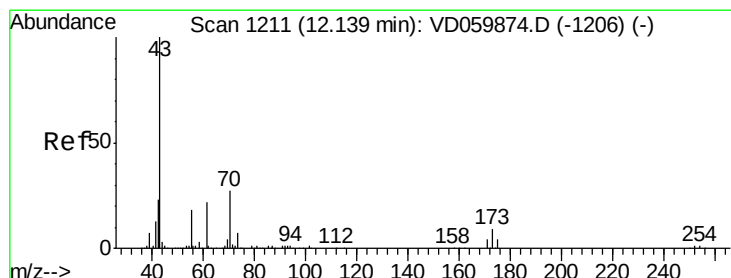
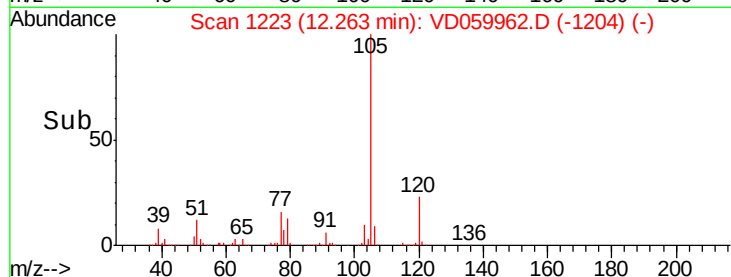
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 19.42 ug/l

RT: 12.13 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Tgt Ion: 43 Resp: 420666

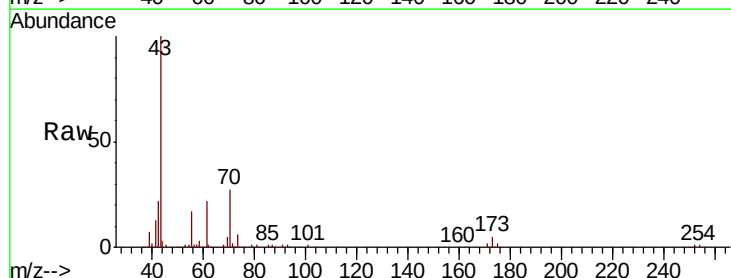
Ion Ratio Lower Upper

43 100

70 26.5 21.4 32.2

55 16.8 14.1 21.1

61 21.8 17.8 26.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

500000

400000

300000

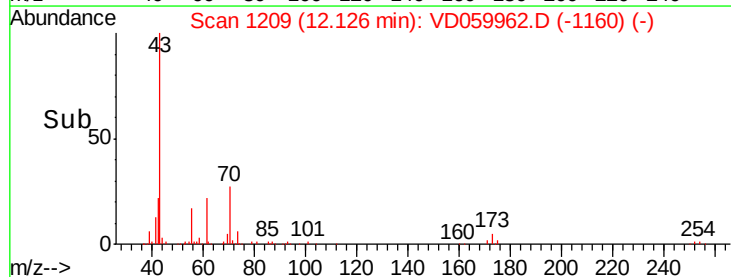
200000

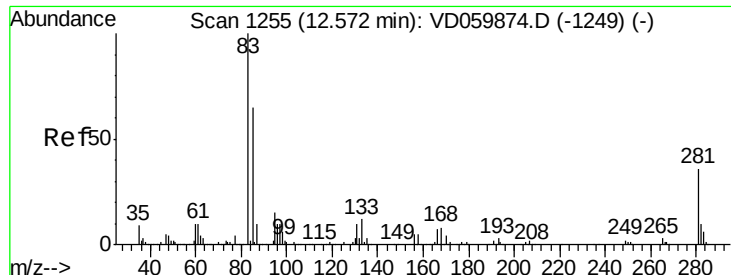
100000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.62 ug/l

RT: 12.55 min Scan# 1252

Delta R.T. -0.02 min

Lab File: VD059962.D

Acq: 5 Sep 2018 11:51

Instrument :

MSVOA_D

ClientSampleId :

VD0905SBS01

Tot Ion: 83 Resp: 236036

Ion Ratio Lower Upper

83 100

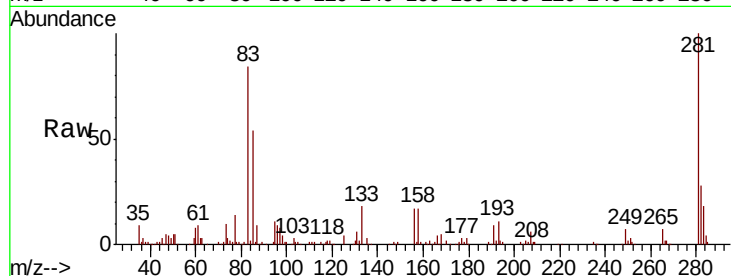
131 7.6 4.8 14.4

85 64.4 32.6 97.8

Manual Integrations
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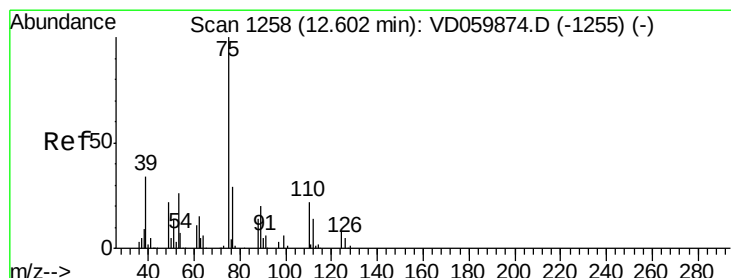
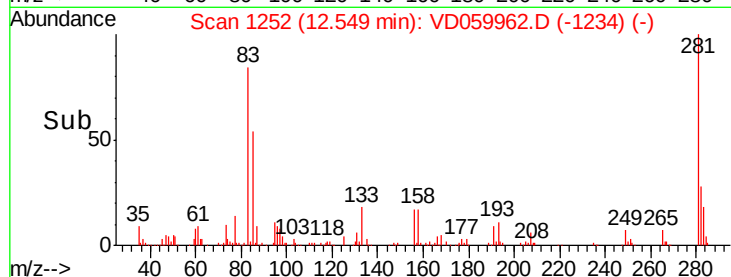
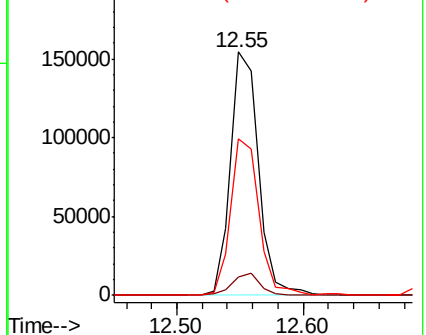
9/6/2018 2:16:44 PM



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 19.65 ug/l

RT: 12.59 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VD059962.D

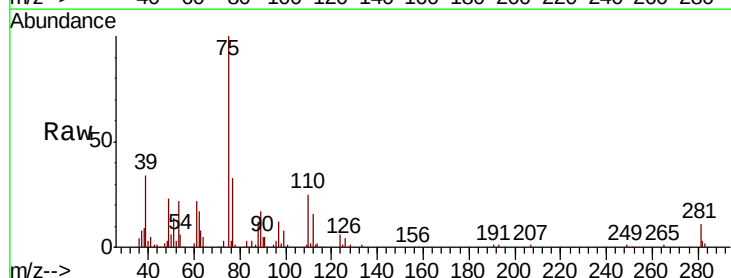
Acq: 5 Sep 2018 11:51

Tgt Ion: 75 Resp: 236755

Ion Ratio Lower Upper

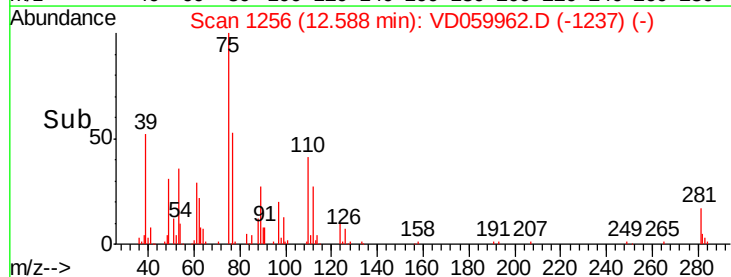
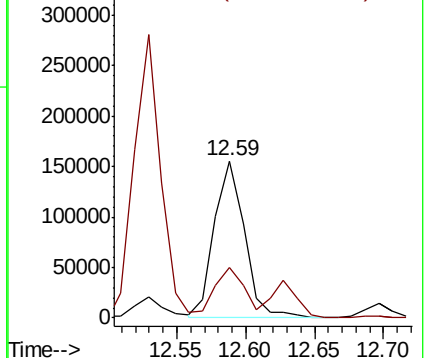
75 100

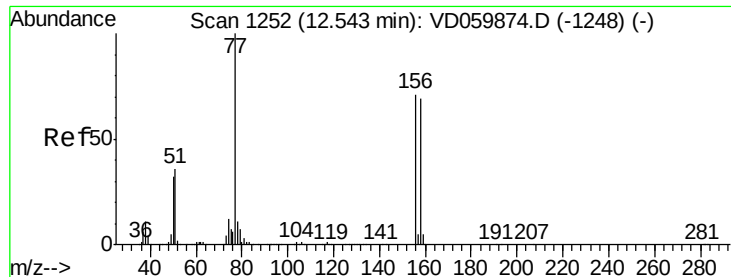
77 32.6 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





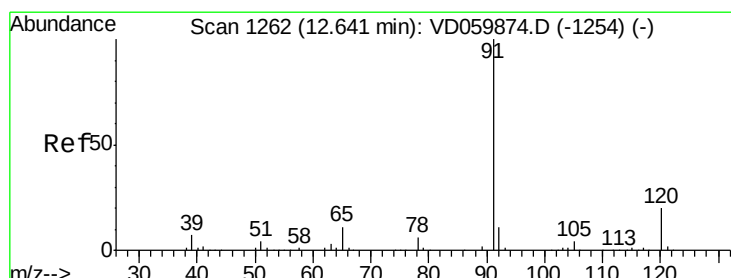
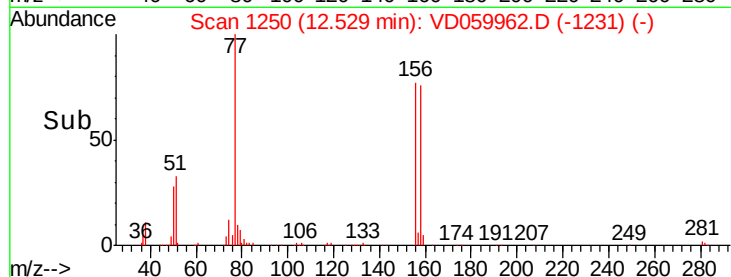
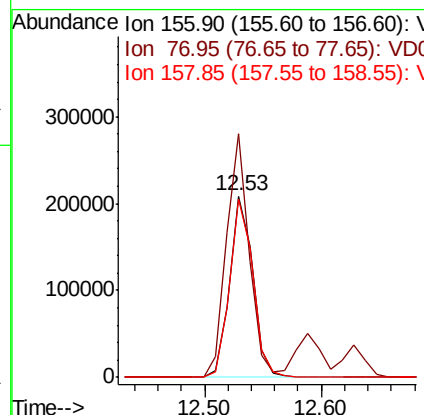
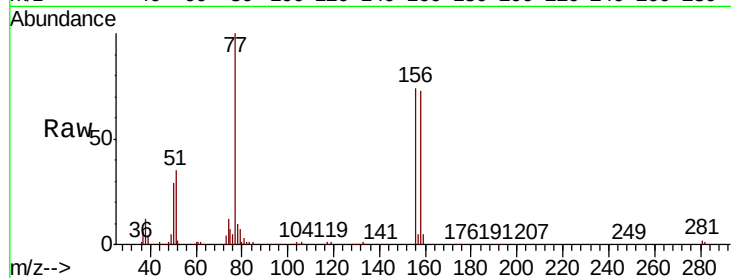
#77
Bromobenzene
Concen: 20.98 ug/l
RT: 12.53 min Scan# 1250
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	287850		
77	134.3	70.2	210.4	
158	98.5	48.4	145.2	

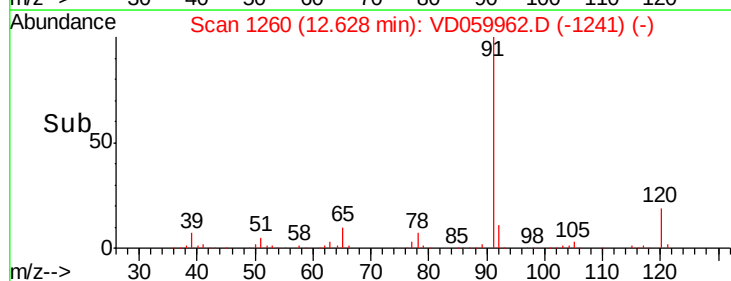
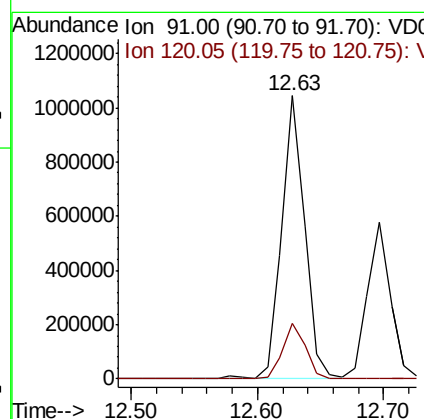
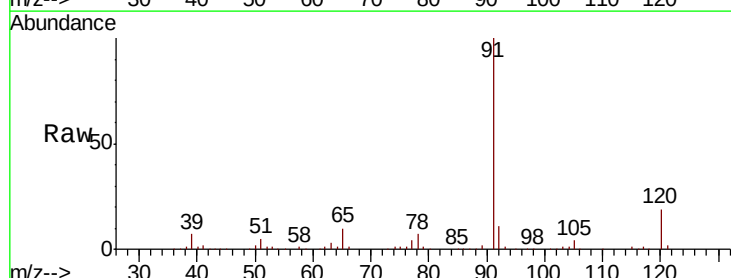
Manual Integrations
APPROVED

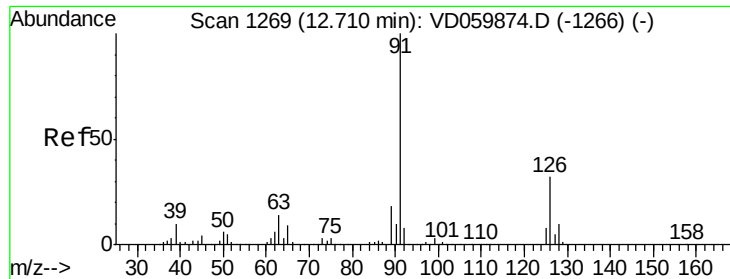
apatel
9/6/2018 2:16:44 PM



#78
n-propylbenzene
Concen: 21.13 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1323865		
120	19.5	10.1	30.3	





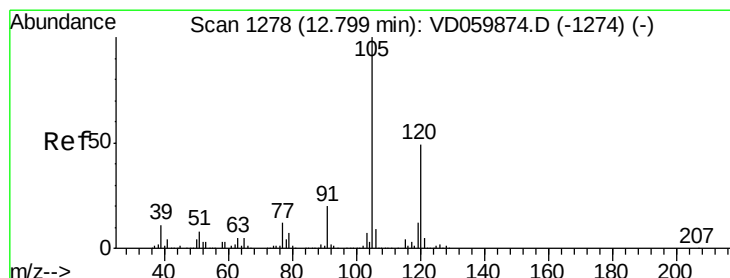
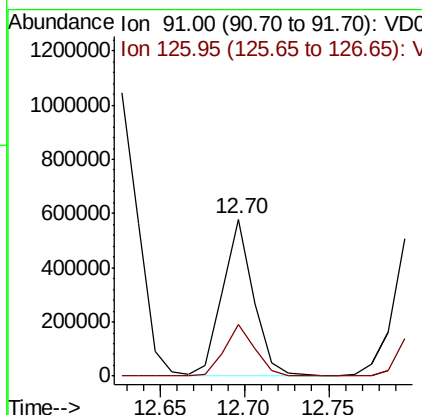
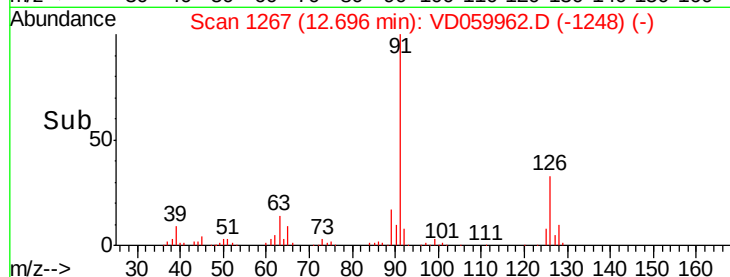
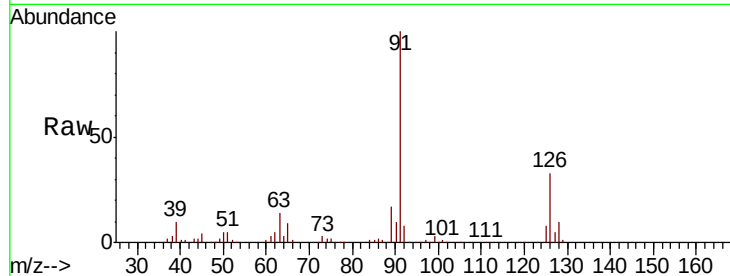
#79
2-Chlorotoluene
Concen: 20.83 ug/l
RT: 12.70 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		738082		
126	33.2	16.1	48.2		

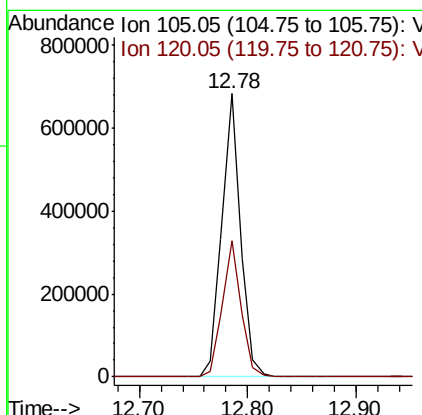
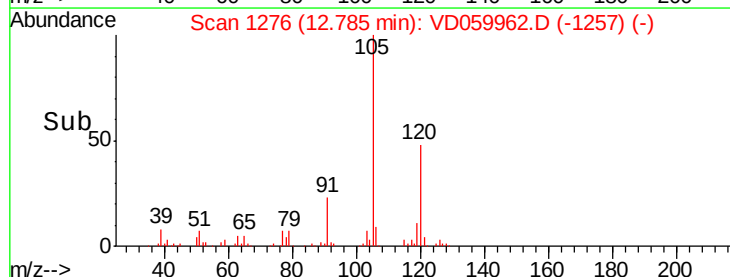
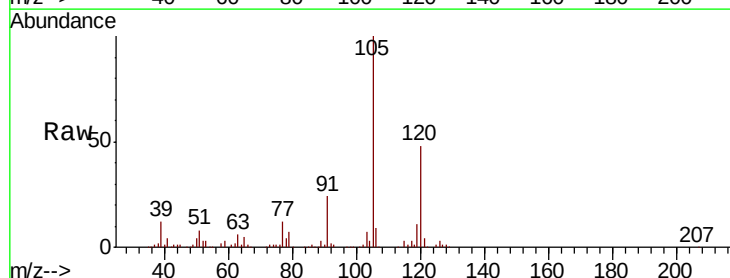
Manual Integrations
APPROVED

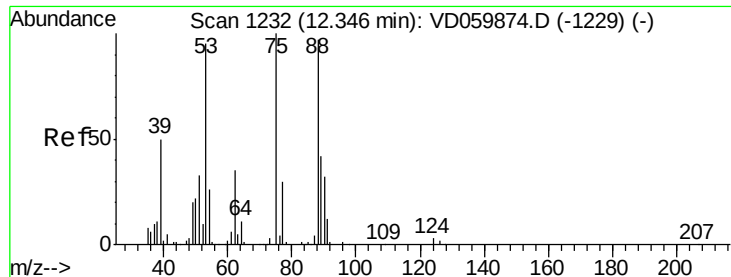
apatel
9/6/2018 2:16:44 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.87 ug/l
RT: 12.78 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		820997		
120	48.2	24.5	73.5		





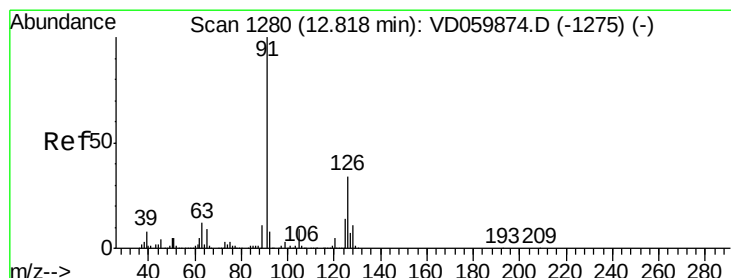
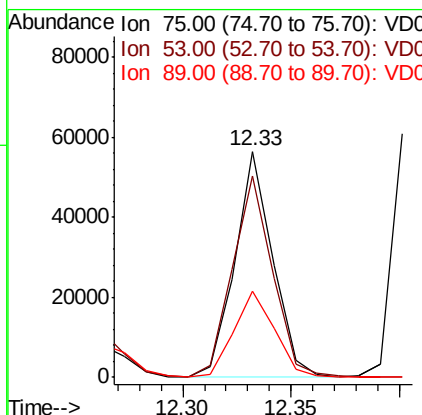
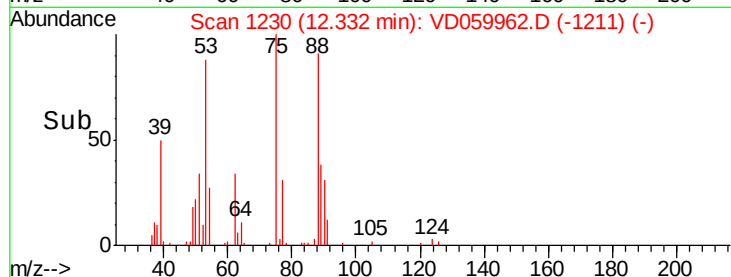
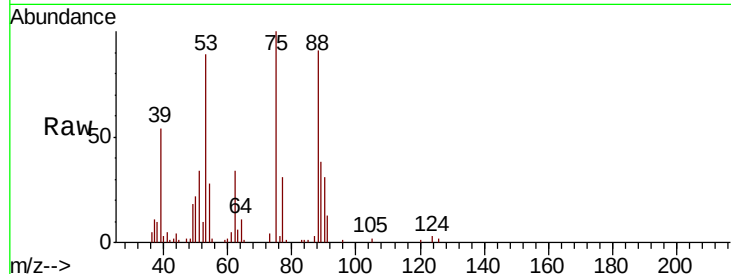
#81
trans-1,4-Dichloro-2-butene
Concen: 18.38 ug/l
RT: 12.33 min Scan# 1230
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.9	75.8	113.6
89	38.2	33.6	50.4

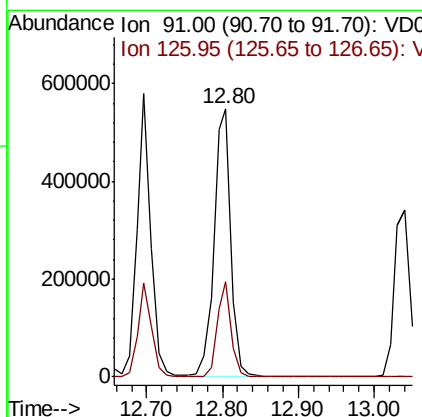
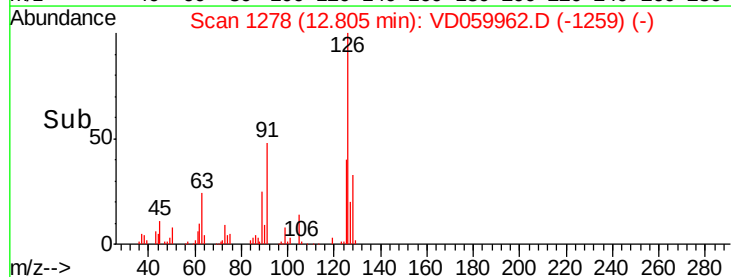
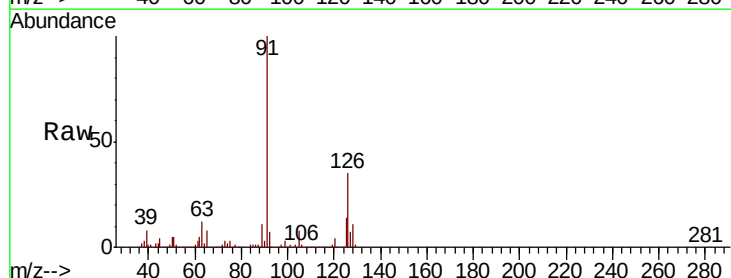
Manual Integrations
APPROVED

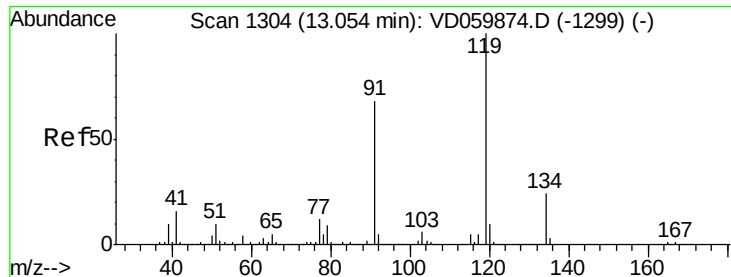
apatel
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#82
4-Chlorotoluene
Concen: 21.26 ug/l
RT: 12.80 min Scan# 1278
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.1	51.2





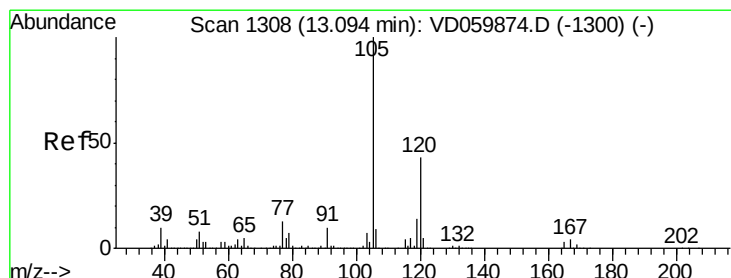
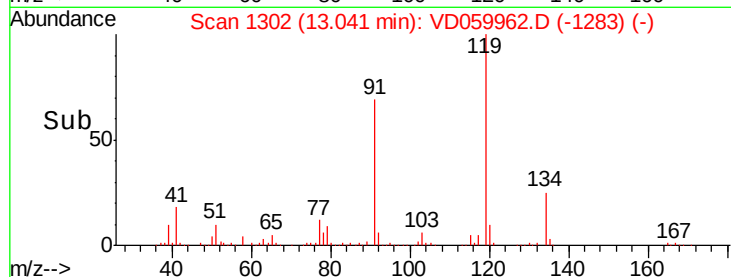
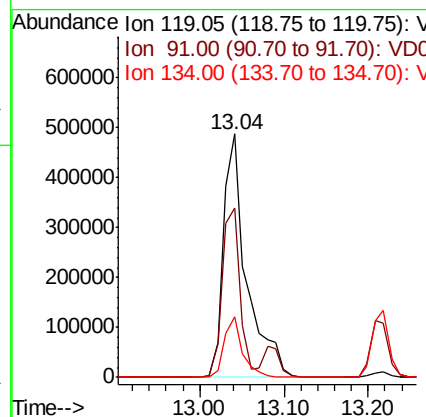
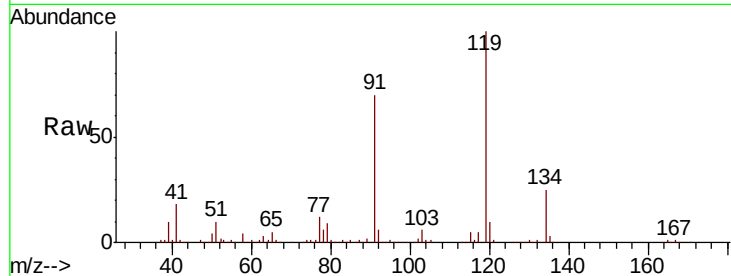
#83
tert-Butylbenzene
Concen: 20.75 ug/l
RT: 13.04 min Scan# 1302
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	929875		
91	69.8	34.3	102.9	
134	24.6	11.9	35.9	

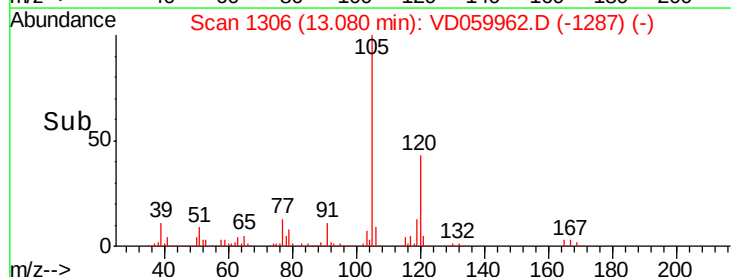
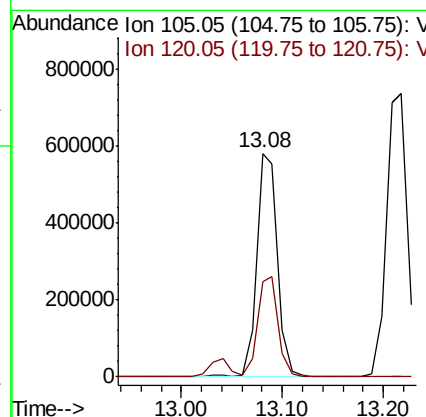
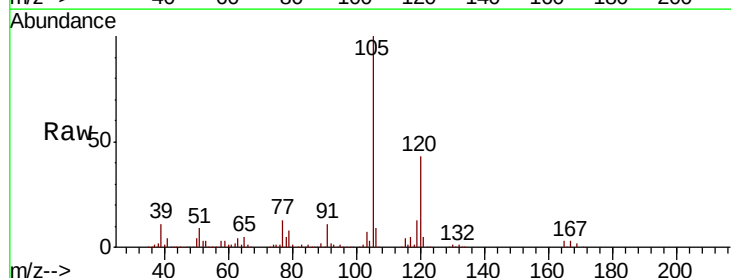
Manual Integrations
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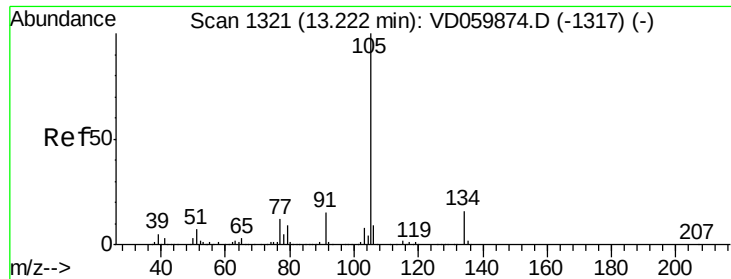
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 20.40 ug/l
RT: 13.08 min Scan# 1306
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	836275		
120	42.9	21.8	65.3	





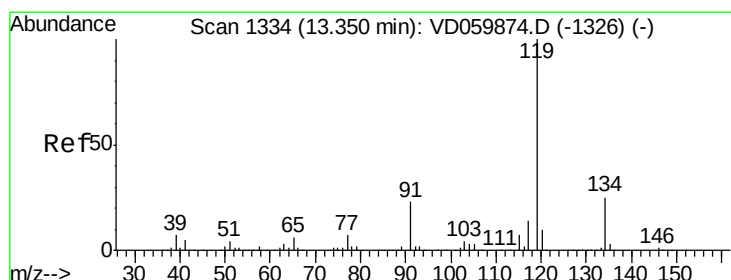
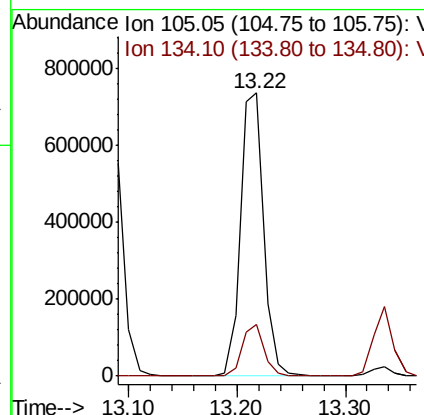
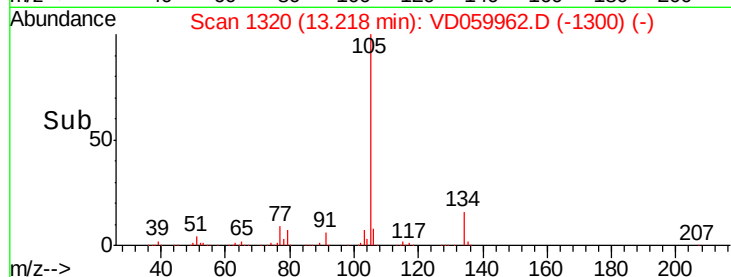
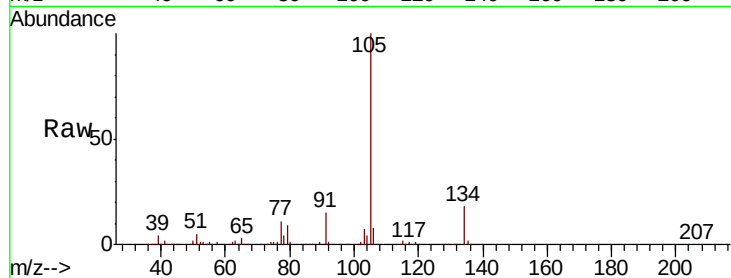
#85
 sec-Butylbenzene
 Concen: 20.69 ug/l
 RT: 13.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion:105 Resp: 1090206
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.2 24.4

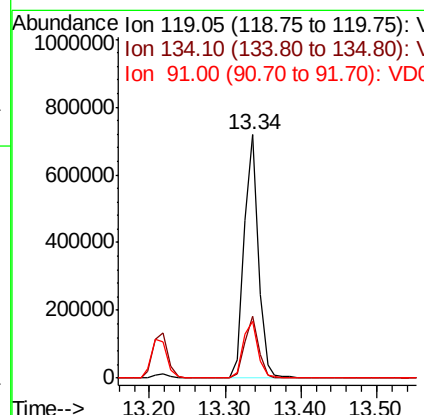
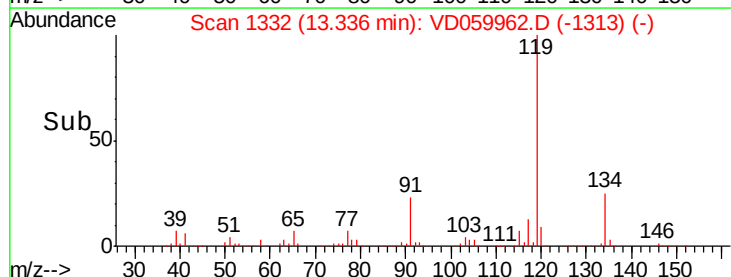
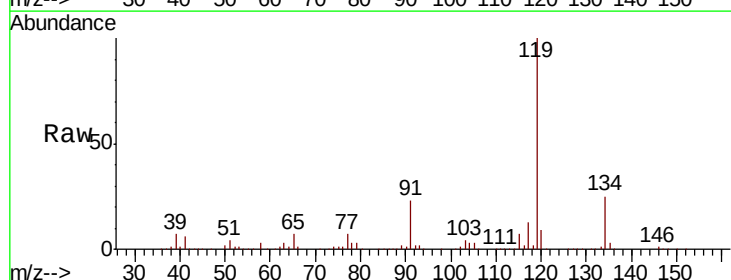
Manual Integrations
 APPROVED

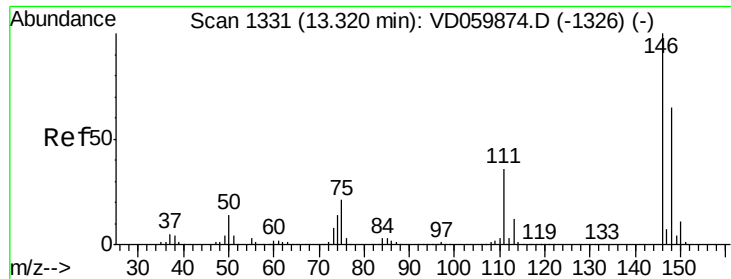
apatel
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#86
 p-Isopropyltoluene
 Concen: 21.33 ug/l
 RT: 13.34 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion:119 Resp: 914328
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.7 38.1
 91 23.3 11.7 35.0





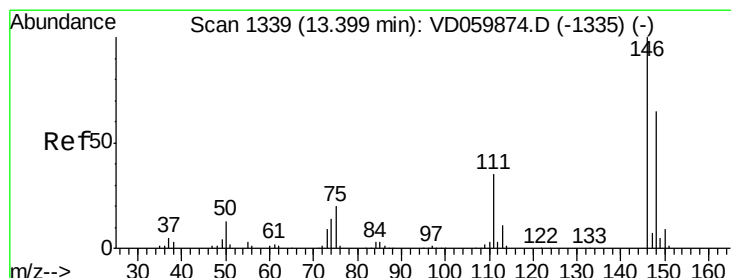
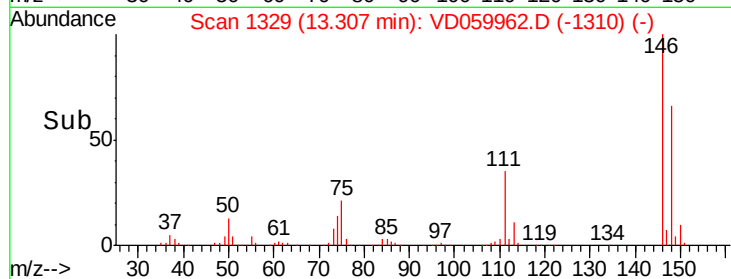
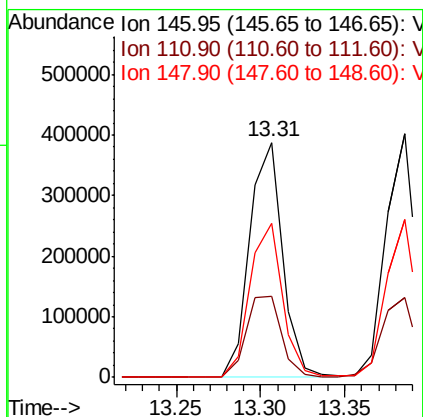
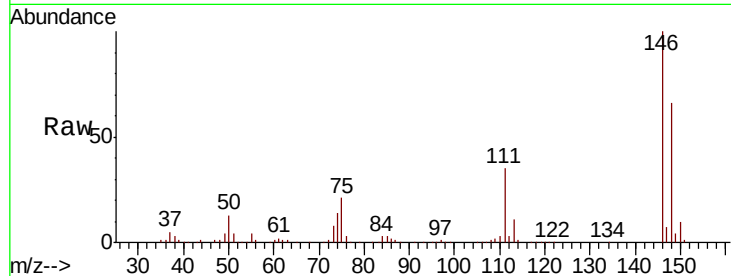
#87
 1,3-Dichlorobenzene
 Concen: 21.58 ug/l
 RT: 13.31 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0905SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.6	17.9	53.7
148	65.6	32.4	97.0

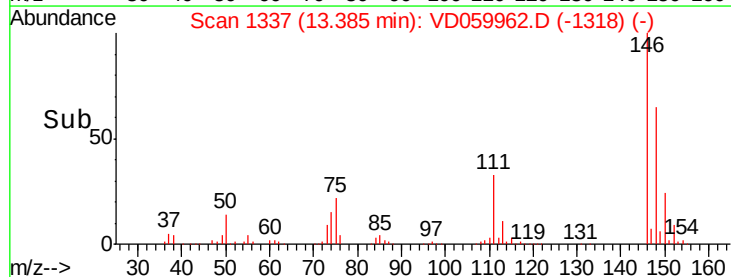
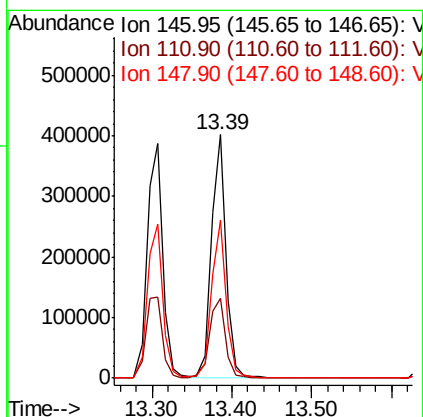
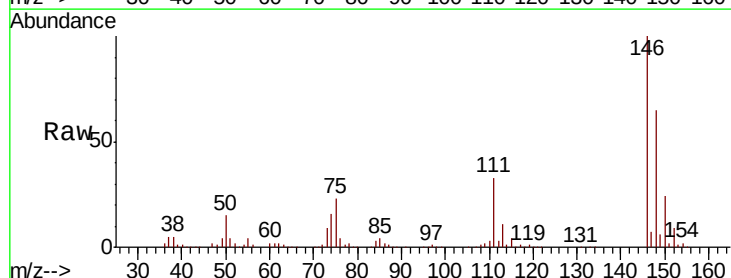
Manual Integrations
 APPROVED

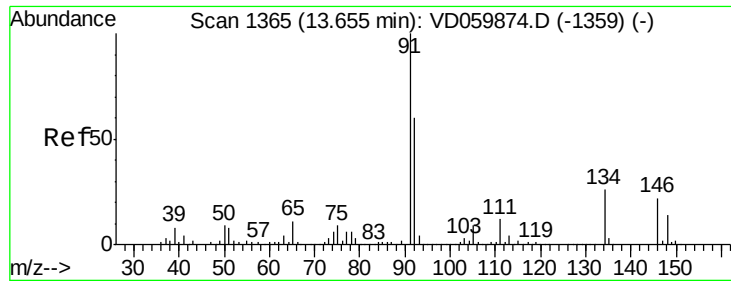
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 21.14 ug/l
 RT: 13.39 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.7	17.5	52.6
148	64.8	32.5	97.5





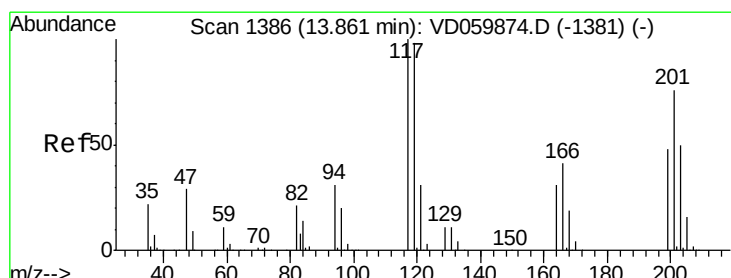
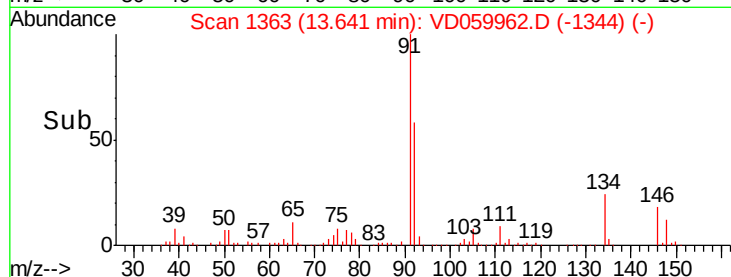
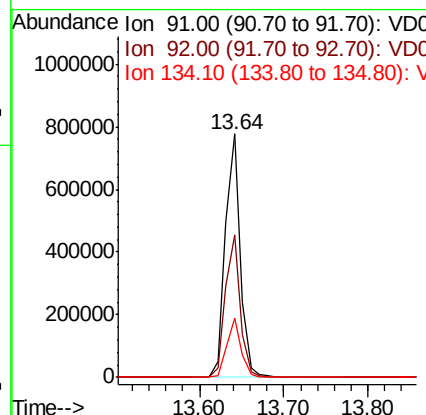
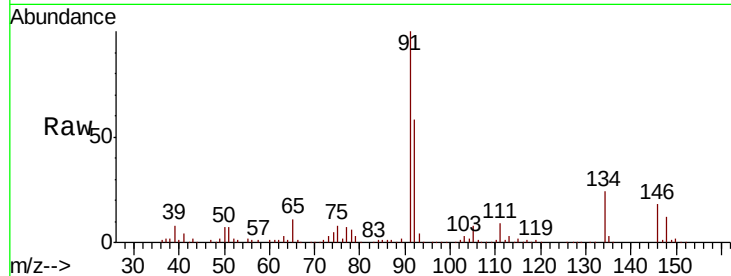
#89
n-Butylbenzene
Concen: 20.73 ug/l
RT: 13.64 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleID :
VD0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	957926		
92	58.5		30.0	90.1
134	24.2		12.8	38.4

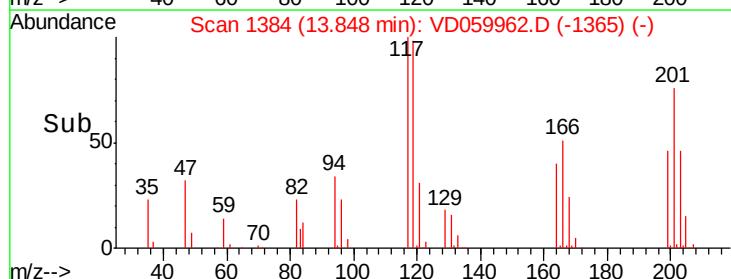
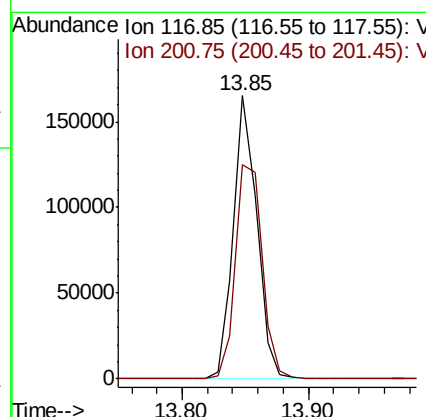
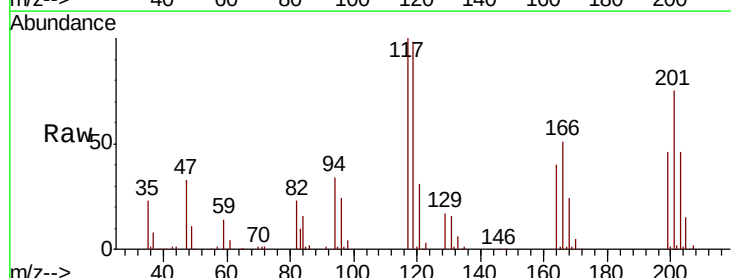
Manual Integrations
APPROVED

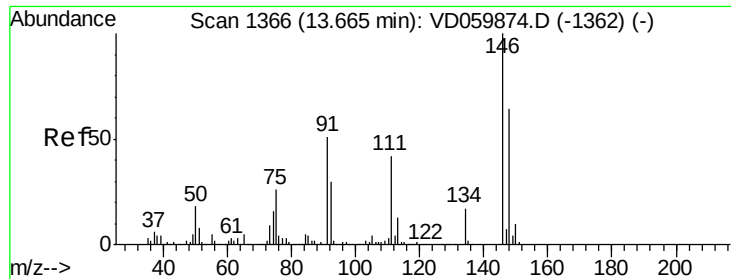
apatel
9/6/2018 2:16:44 PM



#90
Hexachloroethane
Concen: 18.49 ug/l
RT: 13.85 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	212733		
201	75.5		38.1	114.5





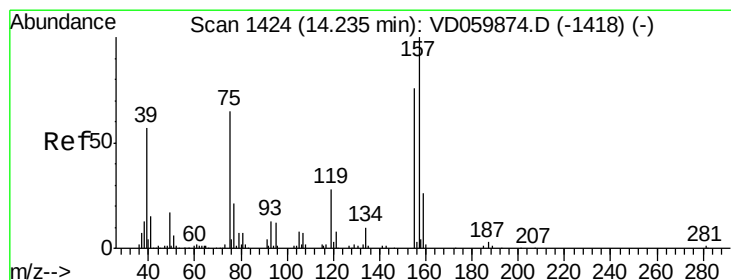
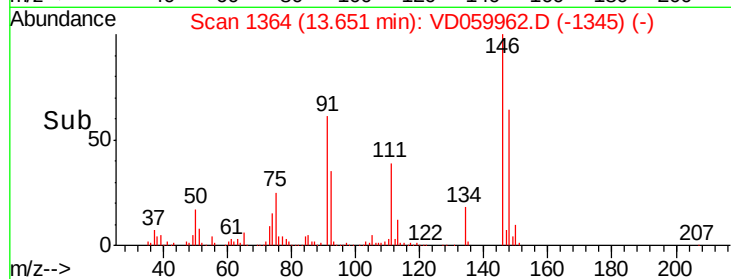
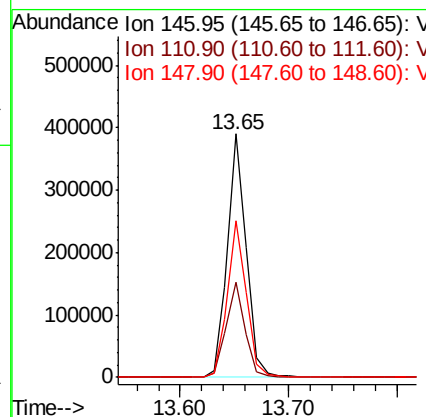
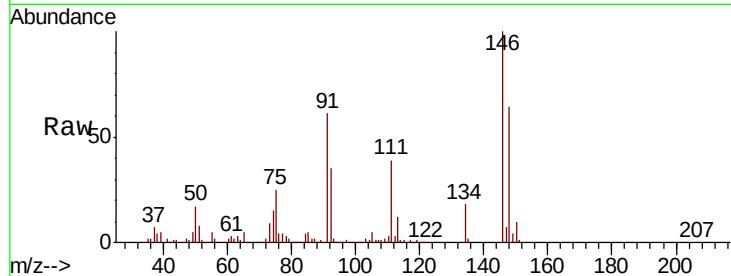
#91
 1,2-Dichlorobenzene
 Concen: 22.78 ug/l
 RT: 13.65 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	474373		
111	39.0	21.1	63.1	
148	64.5	32.2	96.6	

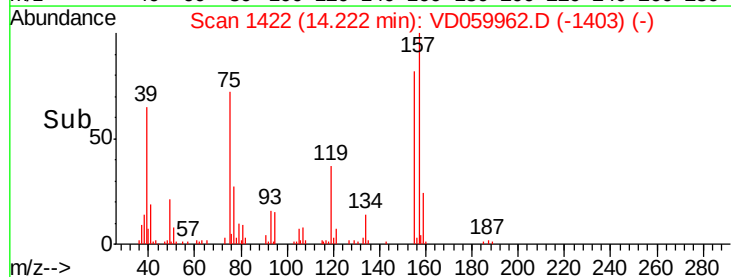
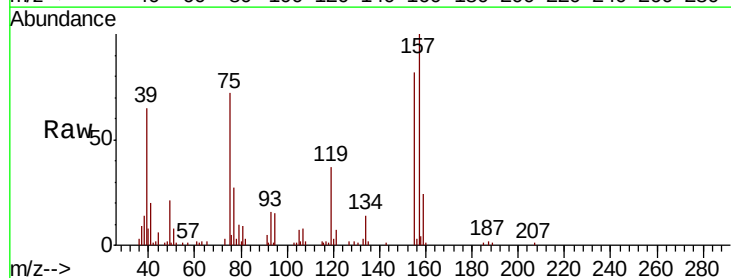
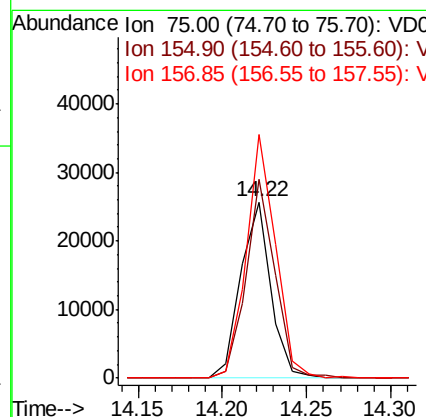
Manual Integrations
 APPROVED

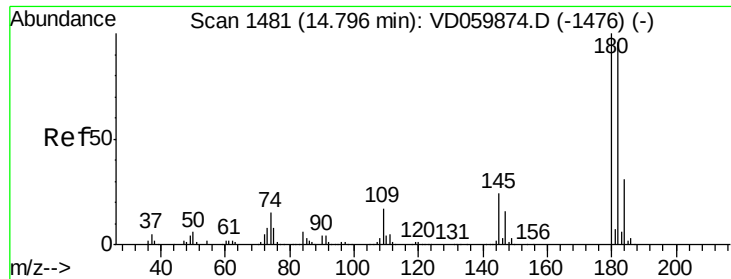
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.06 ug/l
 RT: 14.22 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31773		
155	112.8	58.2	174.6	
157	138.2	76.8	230.4	





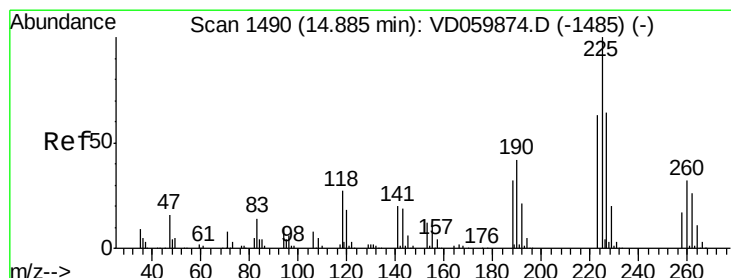
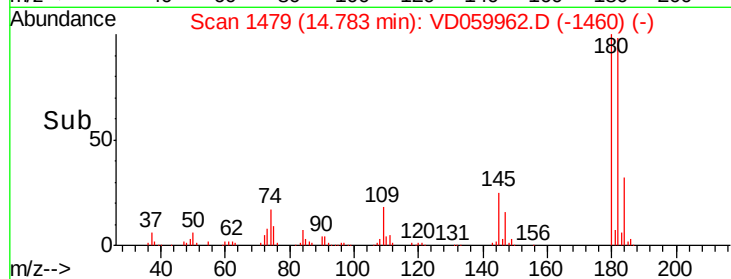
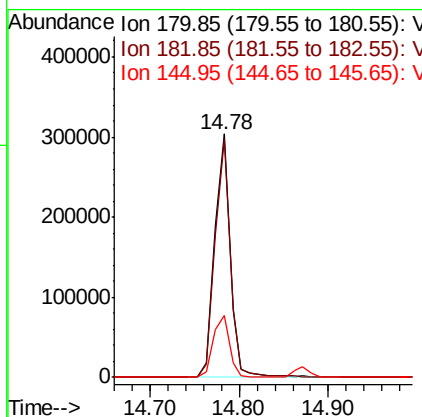
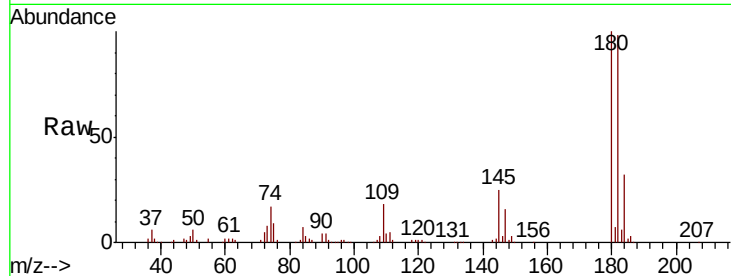
#93
 1,2,4-Trichlorobenzene
 Concen: 20.78 ug/l
 RT: 14.78 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0905SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	47.9	143.7
145	25.5	12.2	36.4

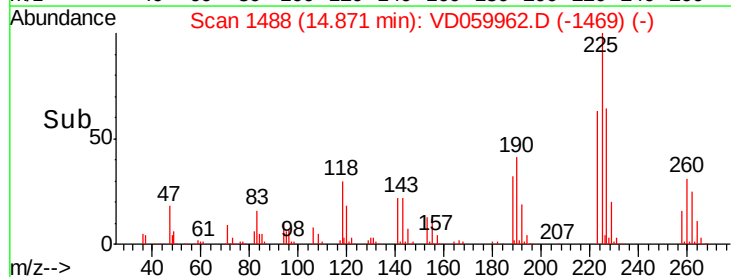
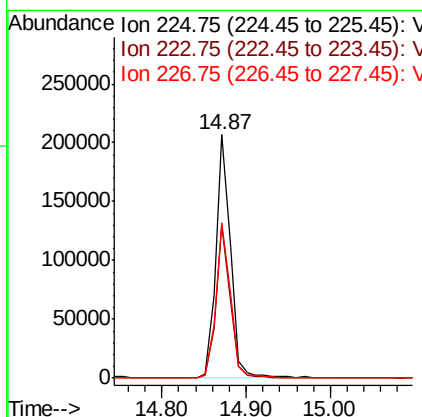
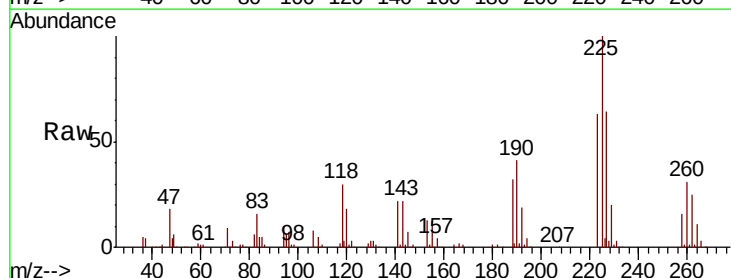
Manual Integrations
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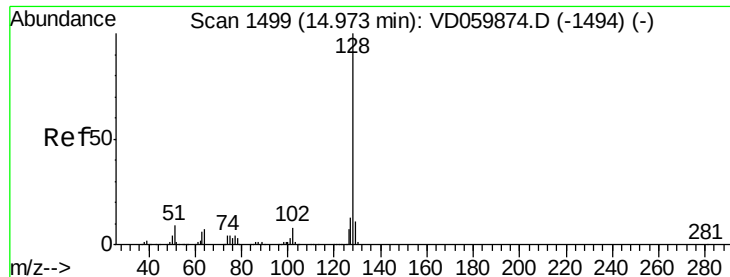
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#94
 Hexachlorobutadiene
 Concen: 21.43 ug/l
 RT: 14.87 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: VD059962.D
 Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.6	94.8
227	63.8	32.0	96.0





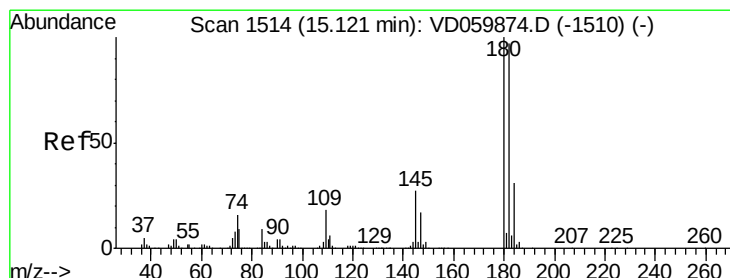
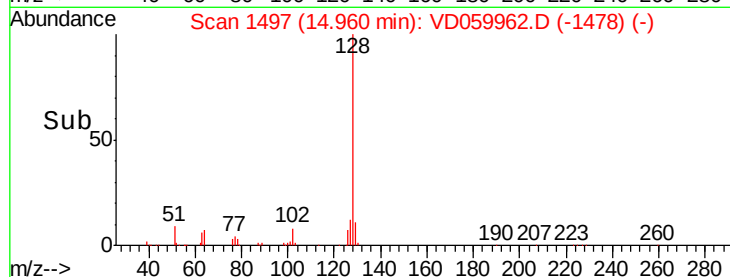
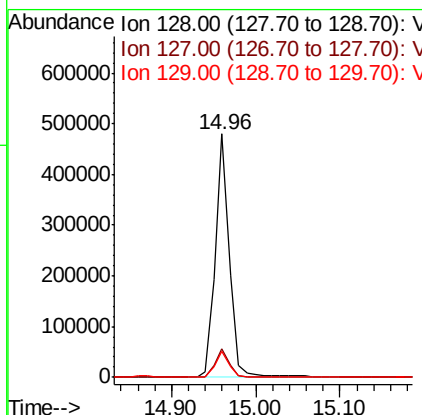
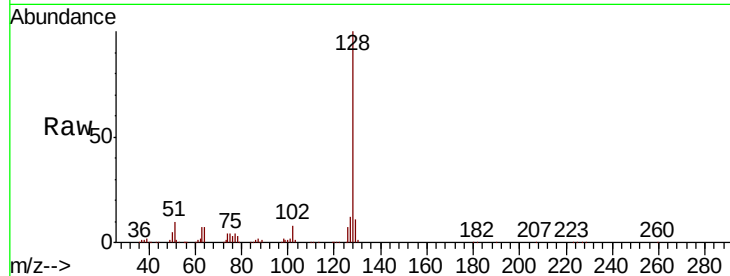
#95
Naphthalene
Concen: 20.52 ug/l
RT: 14.96 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Instrument :
MSVOA_D
ClientSampleId :
VD0905SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	559117		
127	11.9	10.0	15.0	
129	10.7	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.38 ug/l
RT: 15.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VD059962.D
Acq: 5 Sep 2018 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	310866		
182	97.4	48.6	145.8	
145	27.6	13.6	40.8	

