

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081018\
 Data File : VD059737.D
 Acq On : 10 Aug 2018 19:06
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/13/2018 12:28:44 PM

Quant Time: Aug 11 05:18:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D081018S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 11 04:59:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	158887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.68	114	196218	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	159000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	85881	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.00	65	246226	116.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	233.84%	
35) Dibromofluoromethane	5.53	113	202403	112.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	225.16%	
50) Toluene-d8	8.70	98	395795	102.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.44%	
62) 4-Bromofluorobenzene	11.92	95	193900	106.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	240961	108.54	ug/l	95
3) Chloromethane	1.46	50	96669	99.75	ug/l	98
4) Vinyl Chloride	1.54	62	131440	115.72	ug/l	97
5) Bromomethane	1.76	94	41391m	107.53	ug/l	
6) Chloroethane	1.85	64	59612	123.30	ug/l	95
7) Trichlorofluoromethane	2.06	101	246667	126.62	ug/l	100
8) Diethyl Ether	2.32	74	44910	127.54	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.53	101	132572	122.74	ug/l	95
10) Methyl Iodide	2.67	142	167647	134.58	ug/l	98
11) Tert butyl alcohol	3.26	59	42350	565.18	ug/l	96
12) 1,1-Dichloroethene	2.52	96	95902	123.05	ug/l	92
13) Acrolein	2.45	56	25213	384.88	ug/l	87
14) Allyl chloride	2.89	41	216033	119.94	ug/l	98
15) Acrylonitrile	3.34	53	116929	561.46	ug/l	98
16) Acetone	2.59	43	215446	553.17	ug/l	99
17) Carbon Disulfide	2.74	76	359213	127.60	ug/l	99
18) Methyl Acetate	2.91	43	78222	107.69	ug/l	93
19) Methyl tert-butyl Ether	3.39	73	366704	120.96	ug/l	98
20) Methylene Chloride	3.04	84	104460	69.69	ug/l	97
21) trans-1,2-Dichloroethene	3.37	96	127198	124.20	ug/l	98
22) Diisopropyl ether	4.05	45	397615	96.83	ug/l	87
23) Vinyl Acetate	4.00	43	1301369	492.43	ug/l	99
24) 1,1-Dichloroethane	3.95	63	282181	102.96	ug/l	99
25) 2-Butanone	4.82	43	250259	509.25	ug/l	98
26) 2,2-Dichloropropane	4.78	77	332468	112.06	ug/l	96
27) cis-1,2-Dichloroethene	4.78	96	137039	94.90	ug/l	94
28) Bromochloromethane	5.13	49	102696	99.72	ug/l #	91
29) Tetrahydrofuran	5.17	42	87118	455.26	ug/l	100
30) Chloroform	5.30	83	366447	107.68	ug/l	100
31) Cyclohexane	5.58	56	163588	81.98	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	400361	119.94	ug/l	98
36) 1,1-Dichloropropene	5.73	75	233805	107.05	ug/l	98
37) Ethyl Acetate	4.91	43	105841	99.83	ug/l #	96
38) Carbon Tetrachloride	5.71	117	360243	119.42	ug/l	99

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Manual Integrations
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Quant Time: Aug 11 05:18:32 2018
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.27	83	175745	97.41	ug/l	96
40) Benzene	6.00	78	397942	95.56	ug/l	100
41) Methacrylonitrile	5.11	41	52642	108.89	ug/l	96
42) 1,2-Dichloroethane	6.11	62	308561	113.82	ug/l	98
43) Isopropyl Acetate	7.61	43	135525	99.20	ug/l	98
44) Trichloroethene	6.97	130	161982	104.10	ug/l	100
45) 1,2-Dichloropropane	7.34	63	112077	102.05	ug/l	99
46) Dibromomethane	7.45	93	107731	109.57	ug/l	94
47) Bromodichloromethane	7.73	83	291860	115.54	ug/l	99
48) Methyl methacrylate	7.50	41	94791	102.94	ug/l	97
49) 1,4-Dioxane	7.49	88	16113	2304.50	ug/l #	78
51) 4-Methyl-2-Pentanone	8.59	43	543739	538.59	ug/l	100
52) Toluene	8.80	92	259908	97.41	ug/l	97
53) t-1,3-Dichloropropene	9.18	75	230103	108.93	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	226685	105.92	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	98406	94.89	ug/l	93
56) Ethyl methacrylate	9.31	69	115571	101.92	ug/l	94
57) 1,3-Dichloropropane	9.66	76	166482	103.07	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.19	63	256863	470.75	ug/l	99
59) 2-Hexanone	9.78	43	405016	533.72	ug/l	97
60) Dibromochloromethane	9.96	129	201083	119.12	ug/l	99
61) 1,2-Dibromoethane	10.08	107	131139	109.43	ug/l	97
64) Tetrachloroethene	9.50	164	157944	104.50	ug/l	96
65) Chlorobenzene	10.71	112	328917	98.34	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.84	131	169278	112.12	ug/l	97
67) Ethyl Benzene	10.85	91	617168	101.89	ug/l	97
68) m/p-Xylenes	11.01	106	392430	204.54	ug/l	93
69) o-Xylene	11.40	106	187530	100.05	ug/l	95
70) Styrene	11.43	104	319583	101.97	ug/l	99
71) Bromoform	11.60	173	140843	123.71	ug/l	97
73) Isopropylbenzene	11.77	105	621663	109.15	ug/l	100
74) N-amyl acetate	11.64	43	186605	103.82	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	111358	98.04	ug/l	95
76) 1,2,3-Trichloropropane	12.11	75	131186	99.34	ug/l	99
77) Bromobenzene	12.03	156	180470	108.43	ug/l	98
78) n-propylbenzene	12.15	91	737543	104.63	ug/l	99
79) 2-Chlorotoluene	12.21	91	474128	110.91	ug/l	99
80) 1,3,5-Trimethylbenzene	12.32	105	537269	112.72	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.84	75	34743	111.76	ug/l	96
82) 4-Chlorotoluene	12.32	91	531589	105.86	ug/l	95
83) tert-Butylbenzene	12.57	119	593543	111.99	ug/l	94
84) 1,2,4-Trimethylbenzene	12.62	105	563898	111.42	ug/l	100
85) sec-Butylbenzene	12.75	105	609815	103.43	ug/l	98
86) p-Isopropyltoluene	12.88	119	558169	110.83	ug/l	98
87) 1,3-Dichlorobenzene	12.84	146	304915	105.61	ug/l	98
88) 1,4-Dichlorobenzene	12.93	146	291646	102.12	ug/l	99
89) n-Butylbenzene	13.19	91	552989	108.94	ug/l	99
90) Hexachloroethane	13.40	117	152959	116.38	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	258432	106.88	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.77	75	30577	126.88	ug/l	92

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Aug 11 04:59:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	234190	106.19	ug/l	98
94) Hexachlorobutadiene	14.43	225	189563	110.16	ug/l	98
95) Naphthalene	14.51	128	328299	102.21	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	211067	110.96	ug/l	99

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

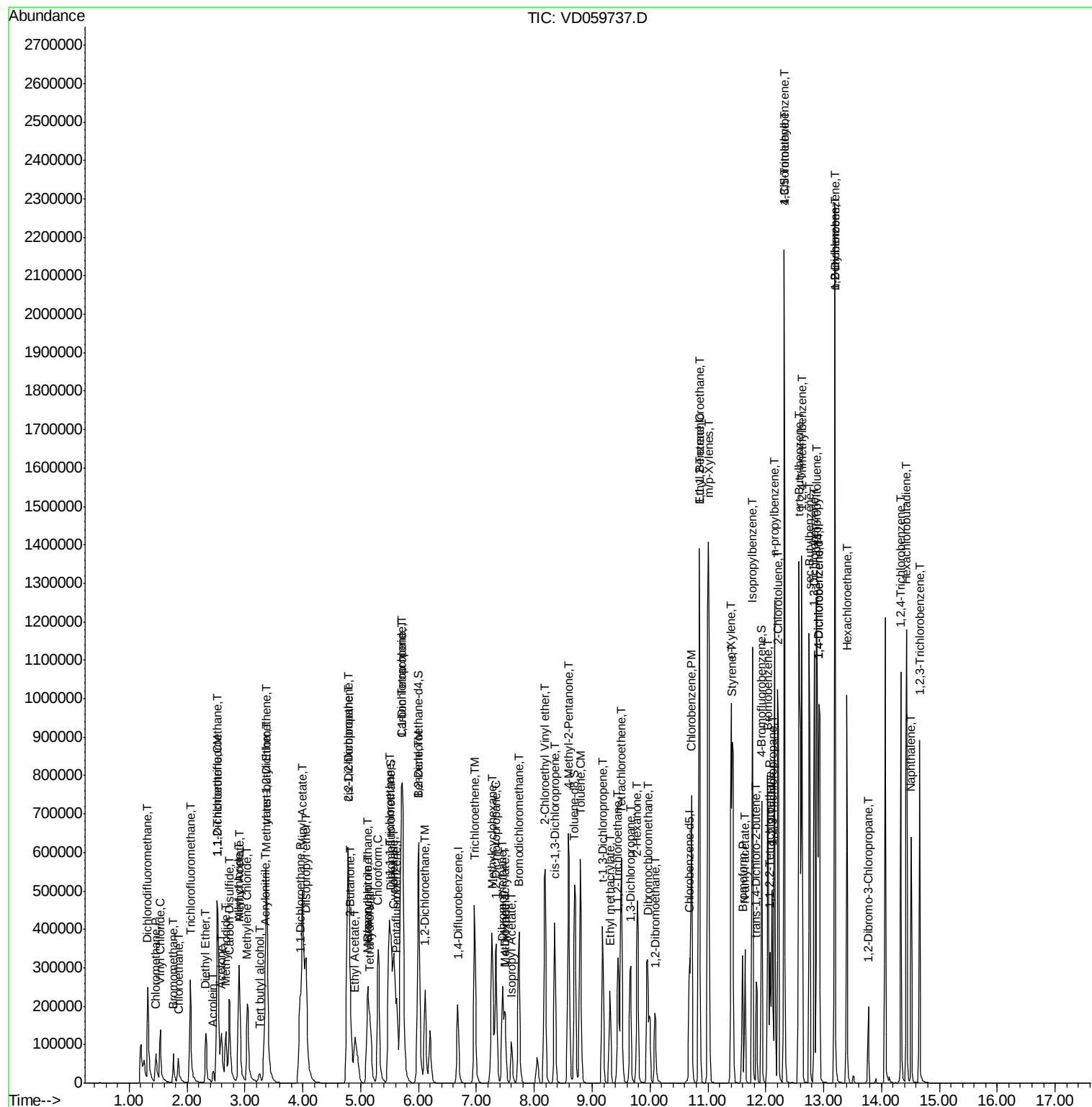
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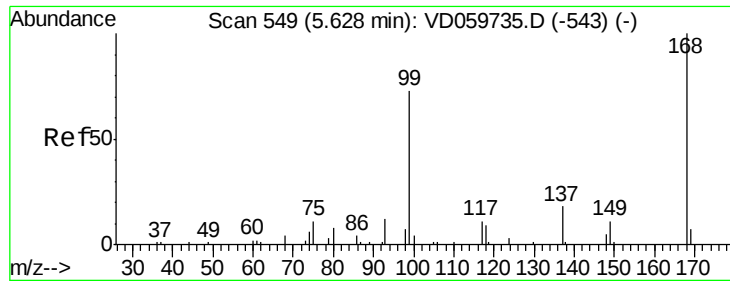
Instrument :
 MSVOA_D
 Client Sample ID :
 VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion:168 Resp: 158887

Ion Ratio Lower Upper

168 100

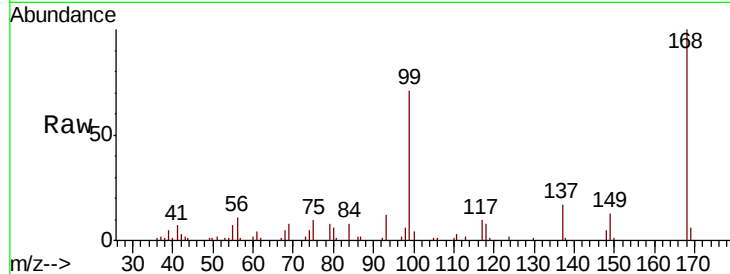
99 71.0 61.4 92.2

Manual Integrations

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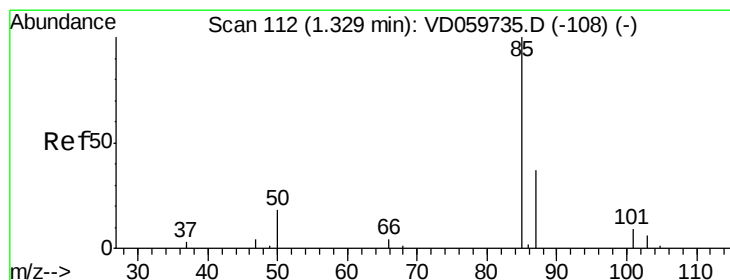
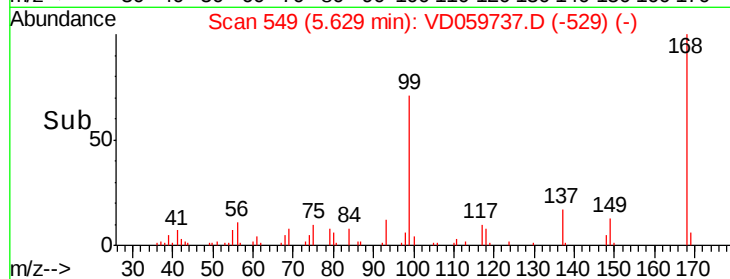
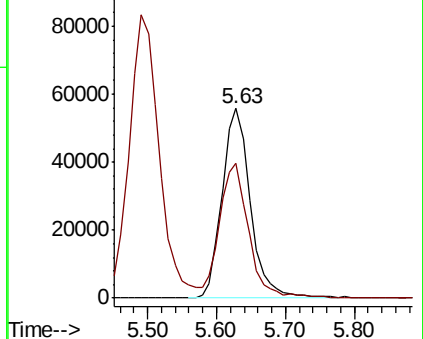
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 108.54 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.01 min

Lab File: VD059737.D

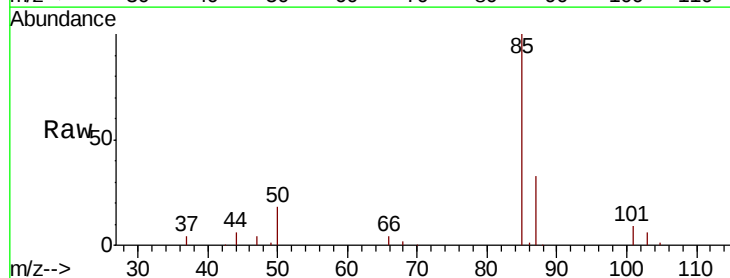
Acq: 10 Aug 2018 19:06

Tgt Ion: 85 Resp: 240961

Ion Ratio Lower Upper

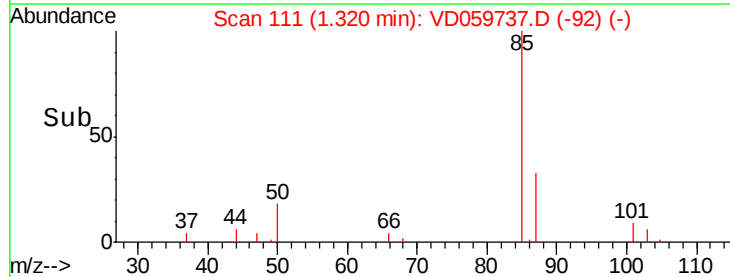
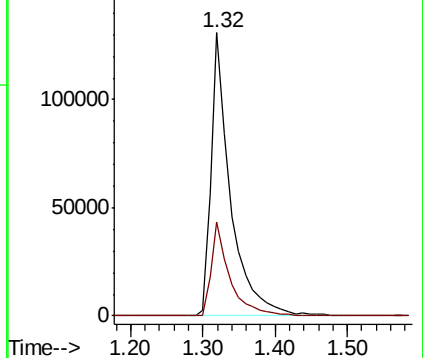
85 100

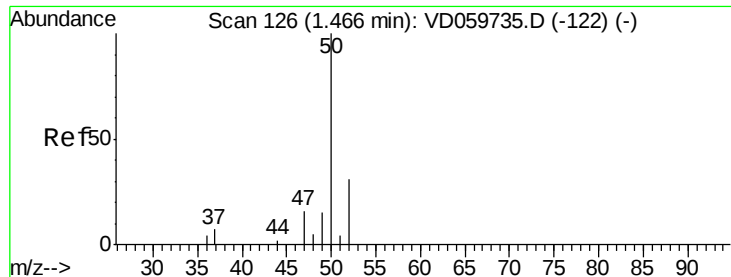
87 33.3 18.3 54.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 99.75 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 96669

Ion Ratio Lower Upper

50 100

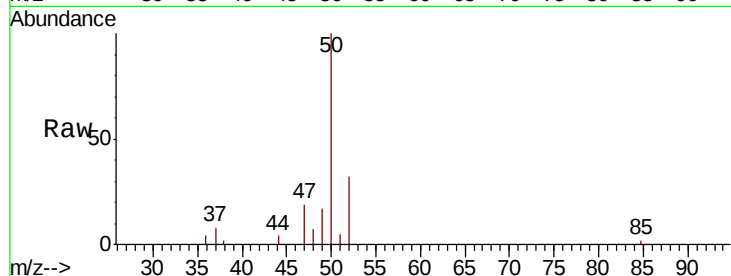
52 31.9 24.8 37.2

Manual Integrations

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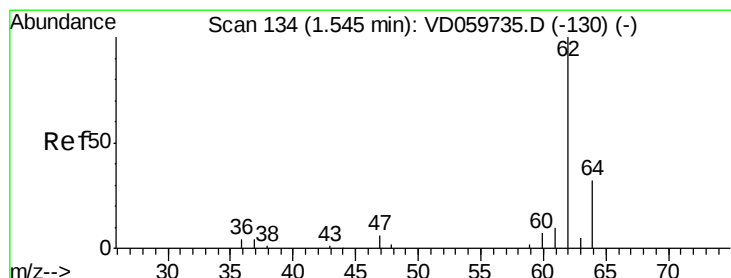
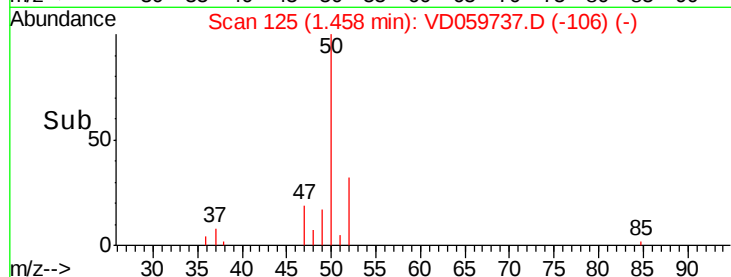
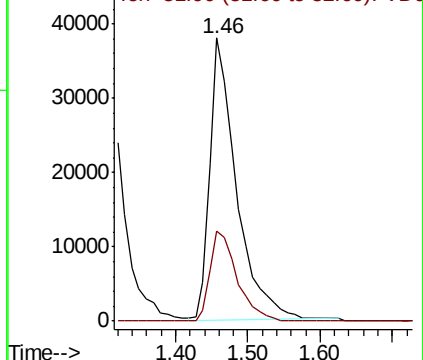
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 115.72 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059737.D

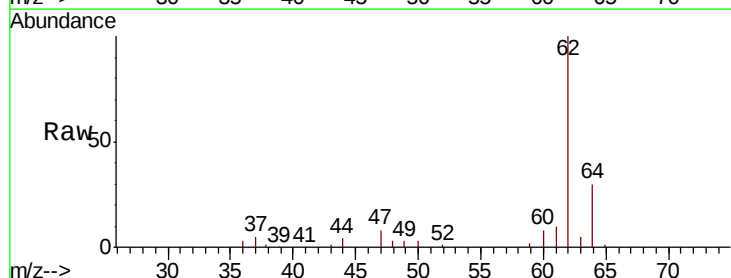
Acq: 10 Aug 2018 19:06

Tgt Ion: 62 Resp: 131440

Ion Ratio Lower Upper

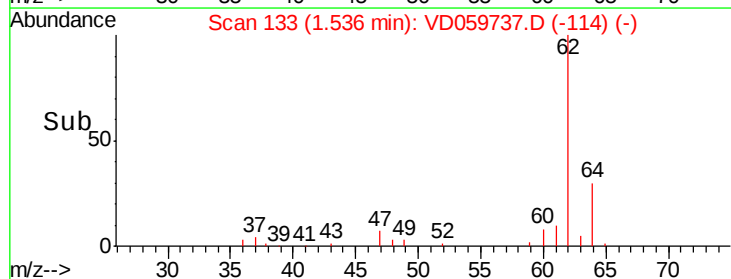
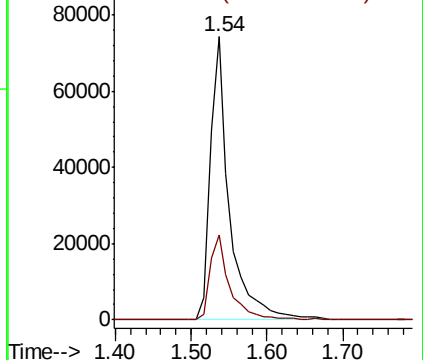
62 100

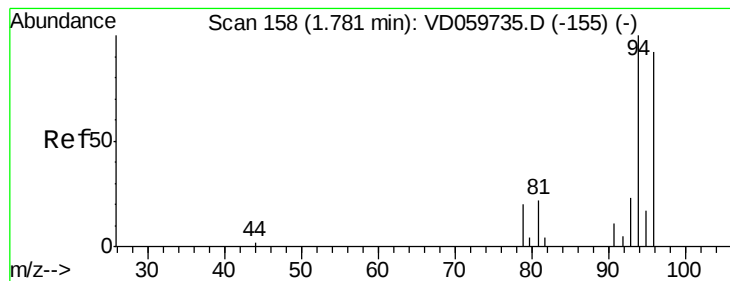
64 29.9 25.3 37.9



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 107.53 ug/l m

RT: 1.76 min Scan# 156

Delta R.T. -0.02 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

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VSTDIC100

Tot Ion: 94 Resp: 41391

Ion Ratio Lower Upper

94 100

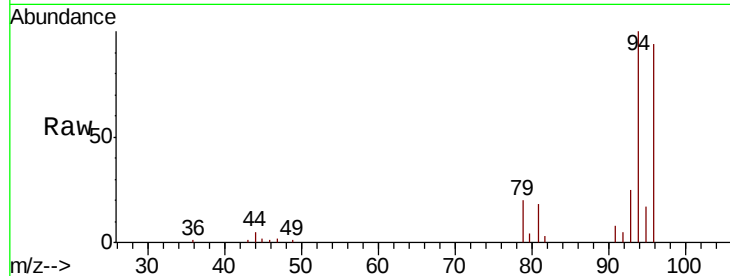
96 93.6 73.4 110.2

Manual Integrations

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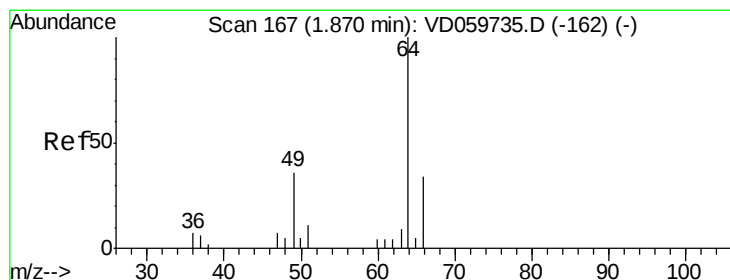
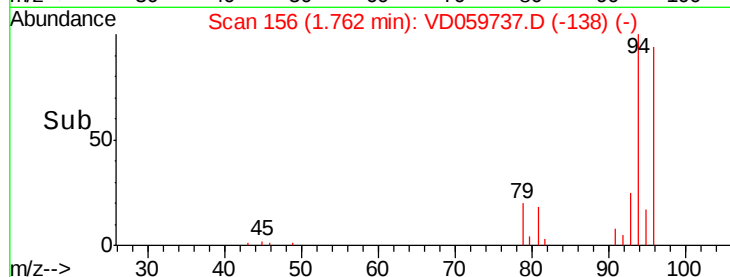
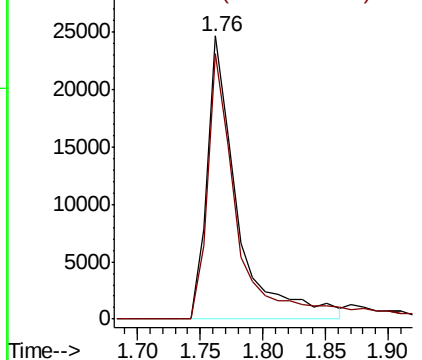
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 123.30 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD059737.D

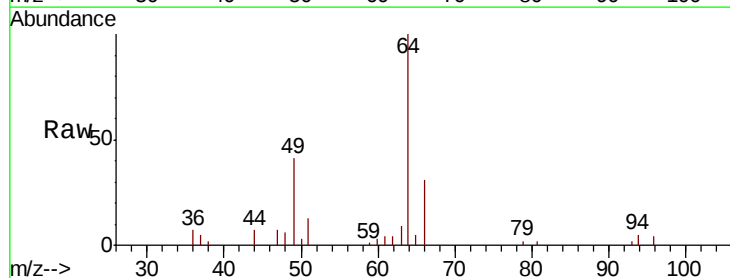
Acq: 10 Aug 2018 19:06

Tgt Ion: 64 Resp: 59612

Ion Ratio Lower Upper

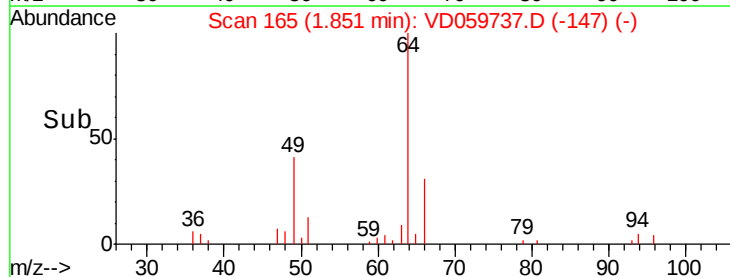
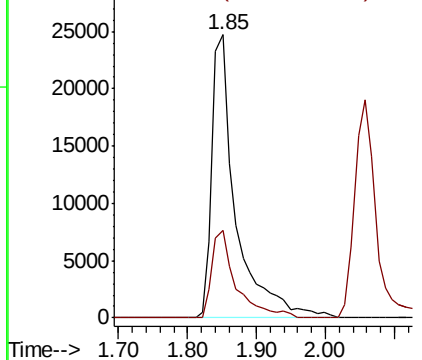
64 100

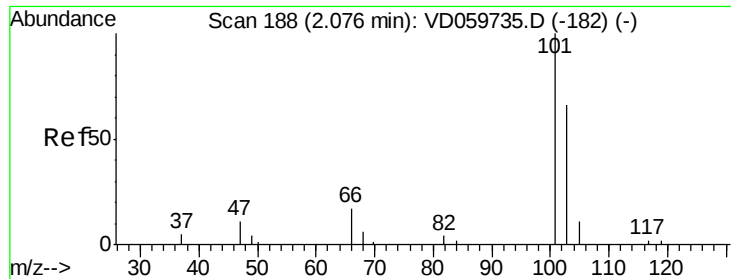
66 31.0 26.9 40.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

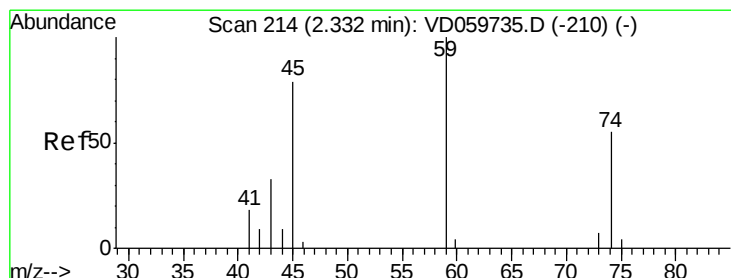
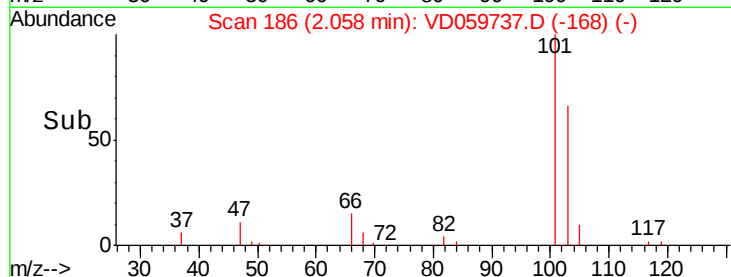
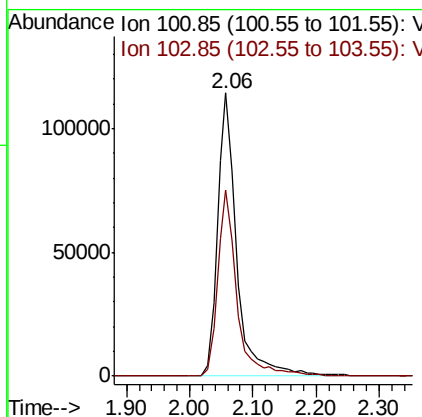
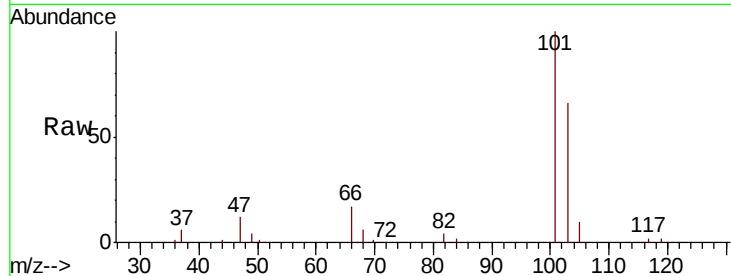
Trichlorofluoromethane
Concen: 126.62 ug/l
RT: 2.06 min Scan# 186
Delta R.T. -0.02 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	246667		
103	65.6	52.4	78.6	

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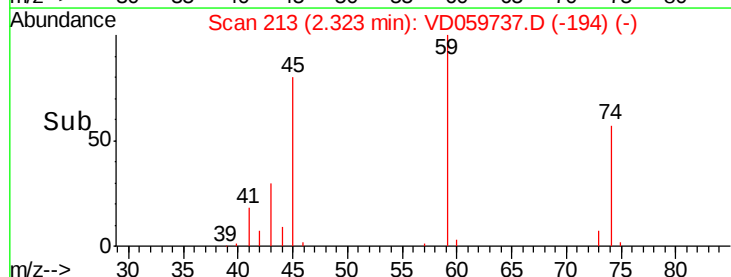
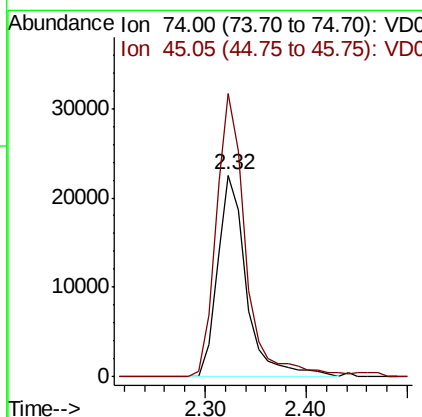
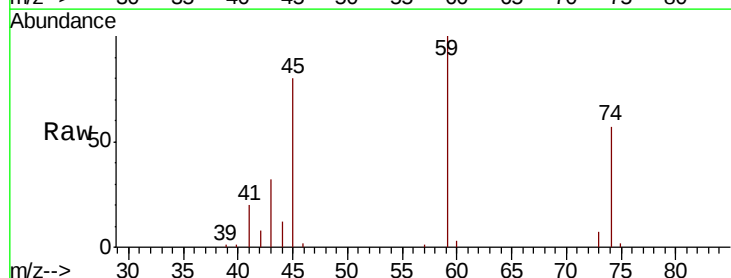
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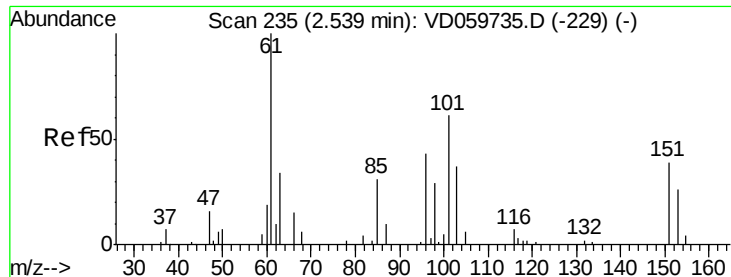


#8

Diethyl Ether
Concen: 127.54 ug/l
RT: 2.32 min Scan# 213
Delta R.T. -0.01 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44910		
45	140.1	71.1	213.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 122.74 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

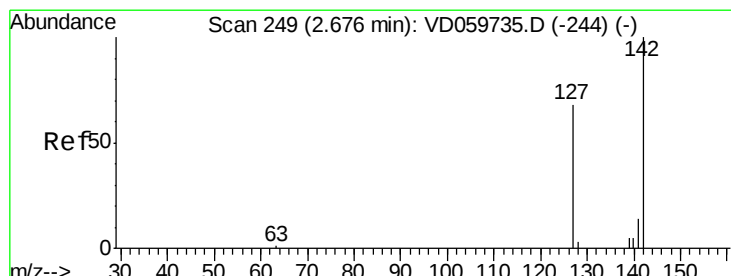
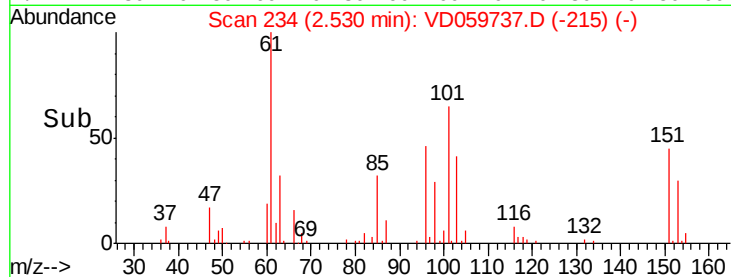
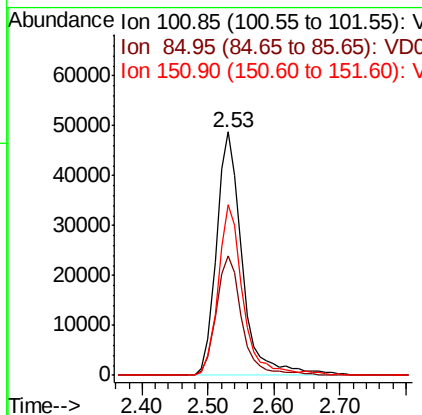
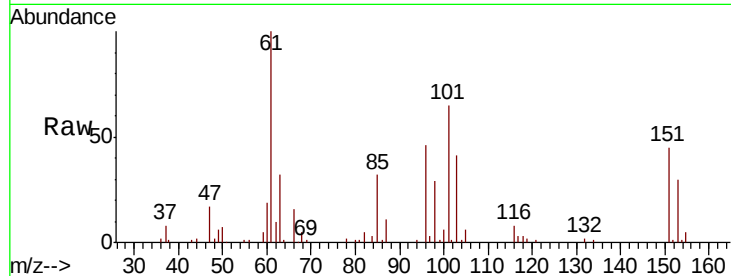
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	132572
Ion Ratio	Lower	Upper	
101	100		
85	48.8	39.7	59.5
151	70.1	50.8	76.2

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#10

Methyl Iodide

Concen: 134.58 ug/l

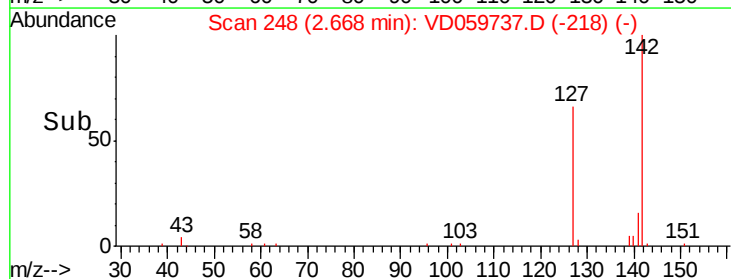
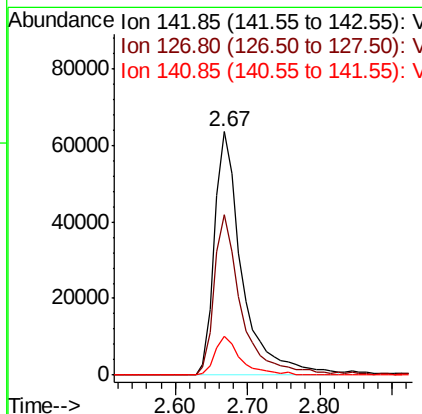
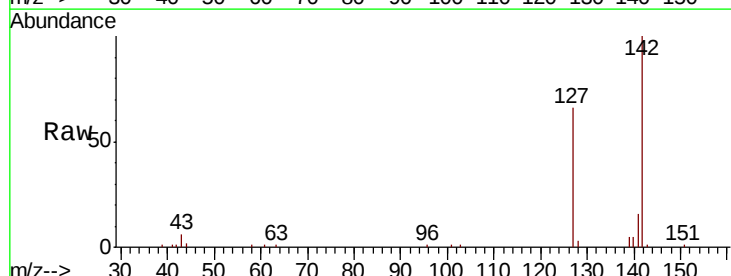
RT: 2.67 min Scan# 248

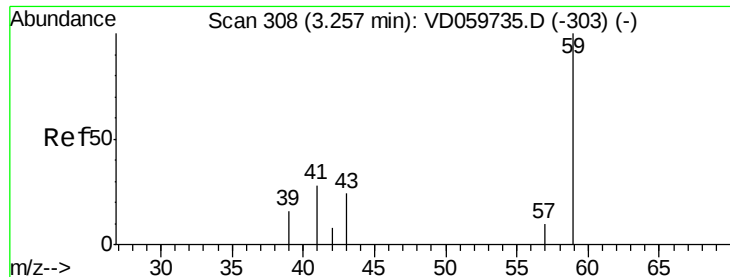
Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Tgt Ion:	142	Resp:	167647
Ion Ratio	Lower	Upper	
142	100		
127	66.0	54.0	81.0
141	15.7	11.0	16.4





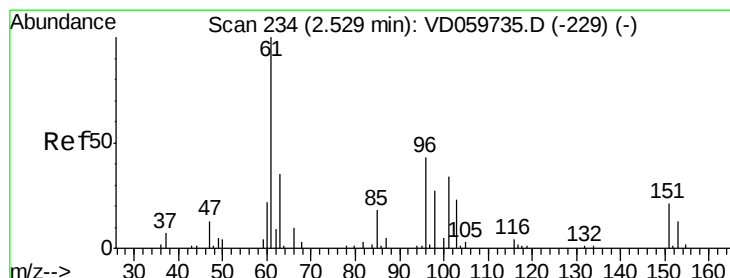
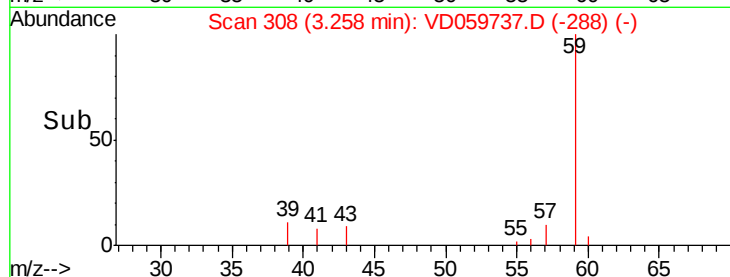
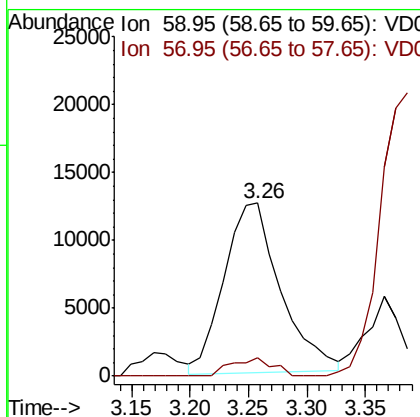
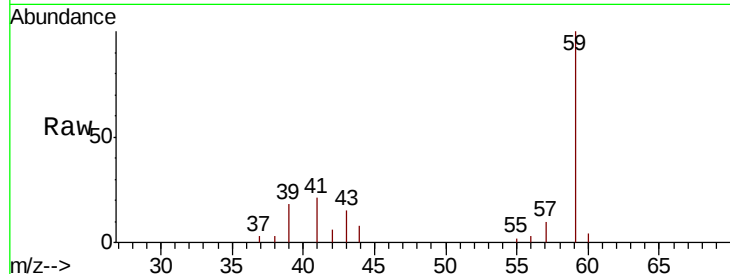
#11
Tert butyl alcohol
Concen: 565.18 ug/l
RT: 3.26 min Scan# 308
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	42350
Ion Ratio	100	Lower	Upper
57	10.5	7.3	10.9

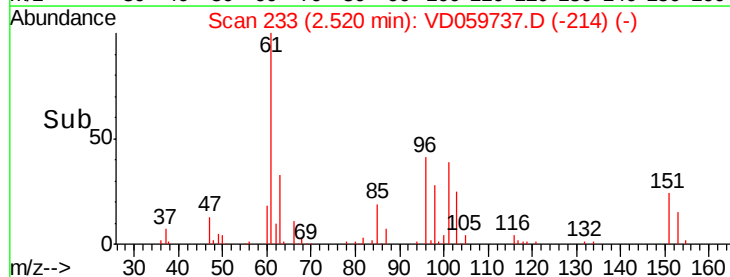
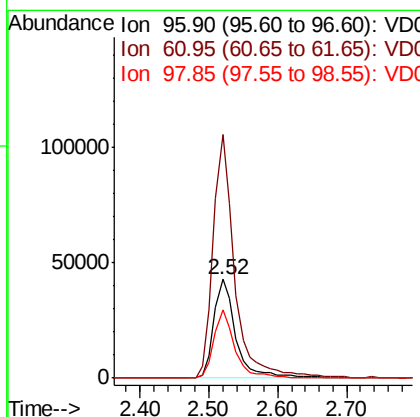
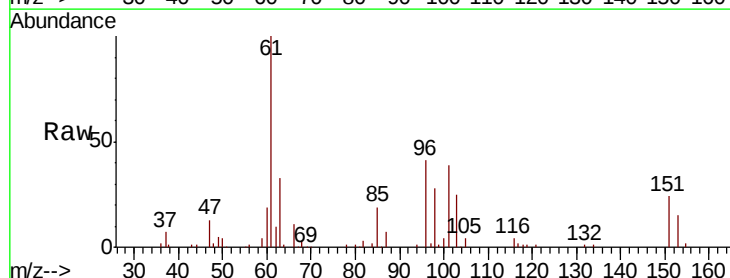
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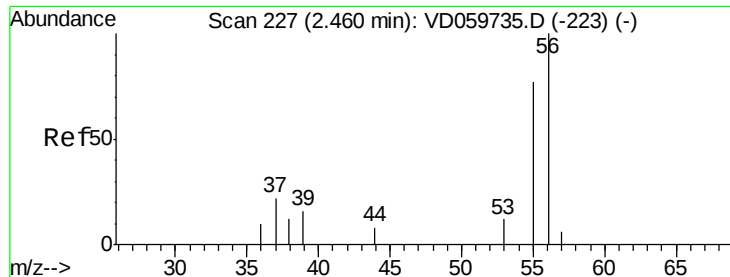
apatel
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#12
1,1-Dichloroethene
Concen: 123.05 ug/l
RT: 2.52 min Scan# 233
Delta R.T. -0.01 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	96	Resp	95902
Ion Ratio	100	Lower	Upper
61	246.7	187.2	280.8
98	69.5	50.4	75.6





#13

Acrolein

Concen: 384.88 ug/l

RT: 2.45 min Scan# 226

Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 25213

Ion Ratio Lower Upper

56 100

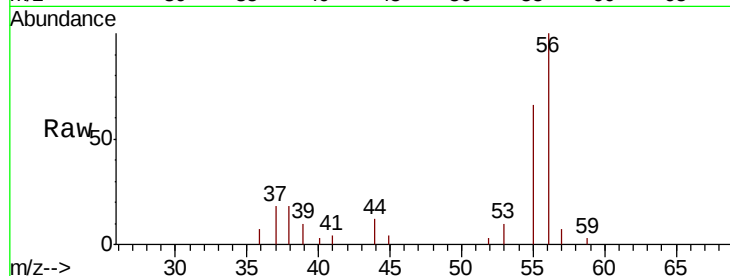
55 66.0 61.4 92.2

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

2.45

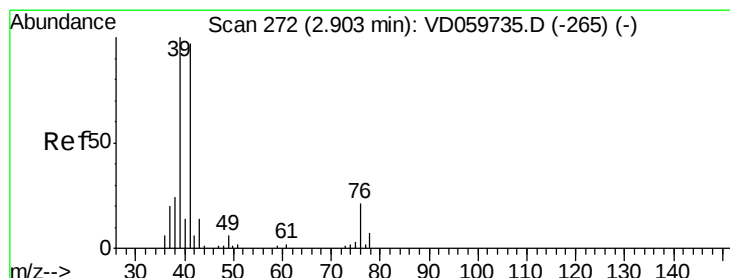
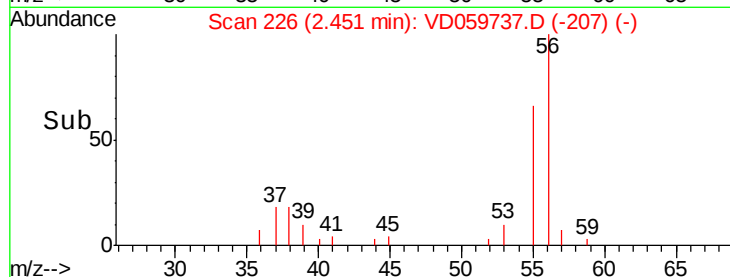
10000

5000

0

Time-->

2.40 2.50 2.60



#14

Allyl chloride

Concen: 119.94 ug/l

RT: 2.89 min Scan# 271

Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

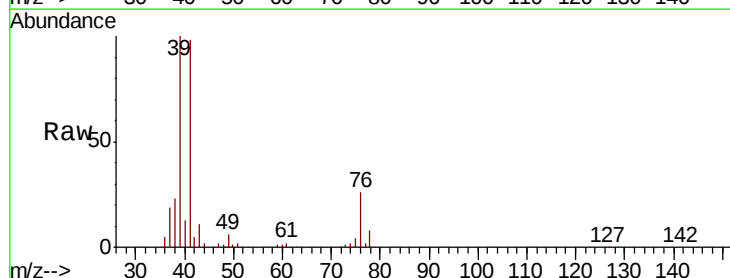
Tgt Ion: 41 Resp: 216033

Ion Ratio Lower Upper

41 100

39 101.9 82.9 124.3

76 26.0 22.2 33.2



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

200000

150000

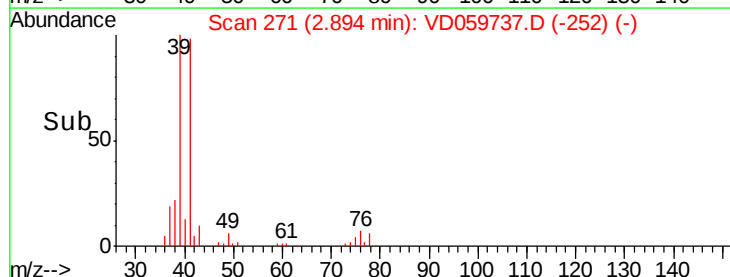
100000

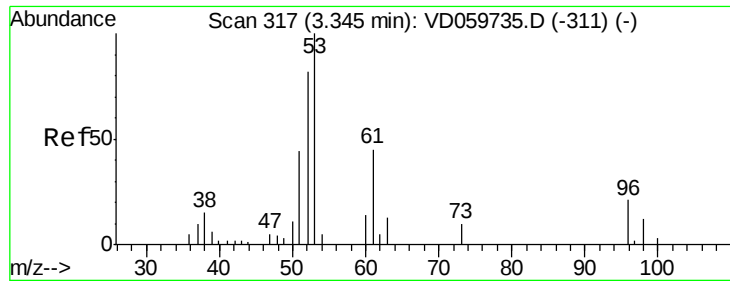
50000

0

Time-->

2.80 2.90 3.00





#15

Acrylonitrile

Concen: 561.46 ug/l

RT: 3.34 min Scan# 316

Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

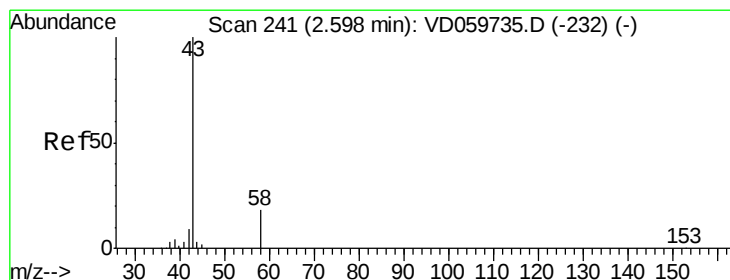
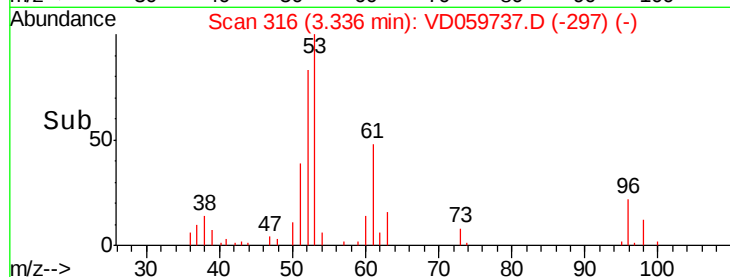
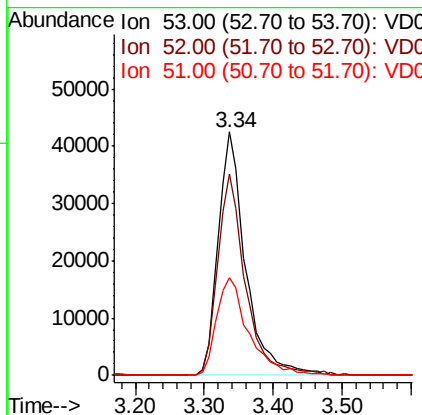
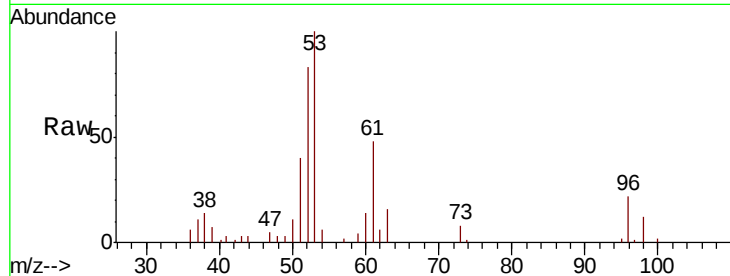
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	116929
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.8	98.6
51	40.0	35.1	52.7

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#16

Acetone

Concen: 553.17 ug/l

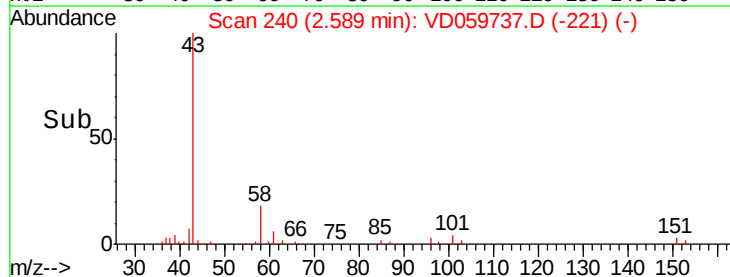
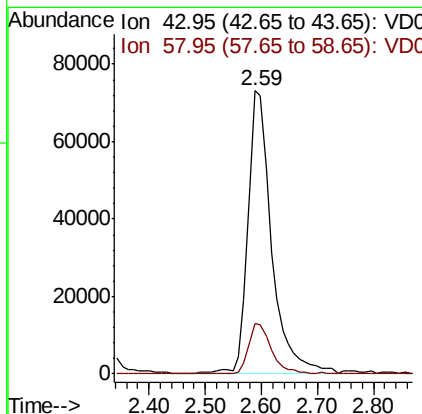
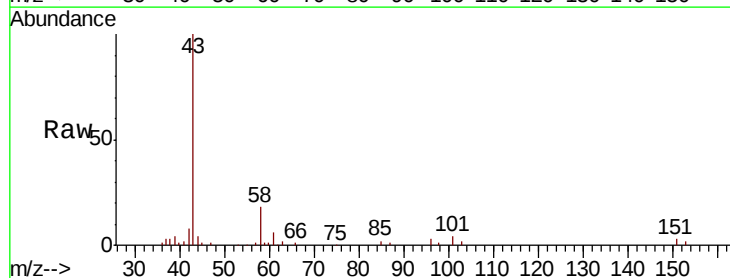
RT: 2.59 min Scan# 240

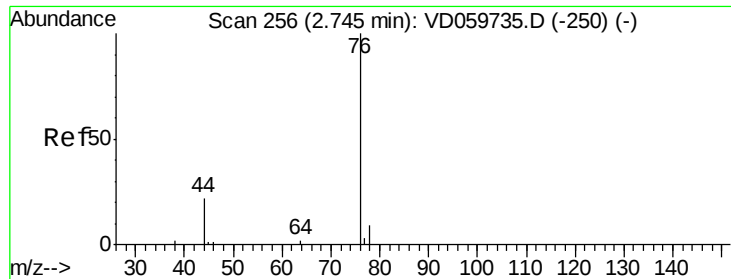
Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Tgt Ion:	43	Resp:	215446
Ion Ratio	Lower	Upper	
43	100		
58	17.9	14.6	21.8





#17

Carbon Disulfide

Concen: 127.60 ug/l

RT: 2.74 min Scan# 255

Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 359213

Ion Ratio Lower Upper

76 100

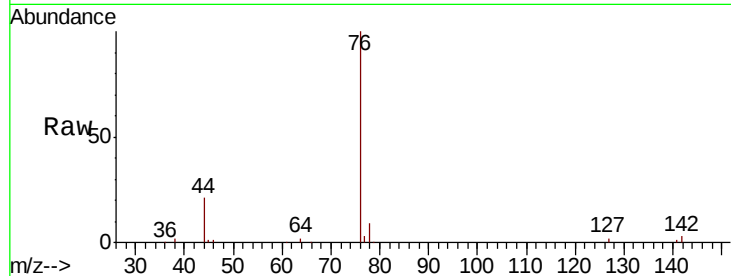
78 9.2 7.0 10.6

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

2.74

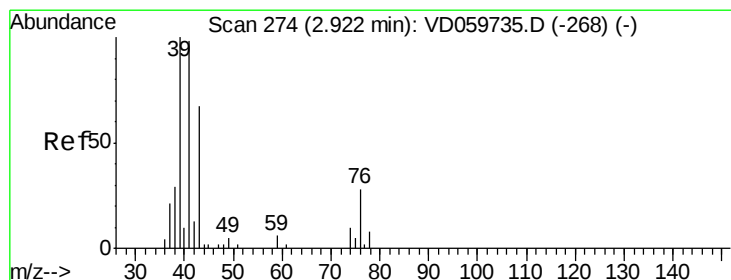
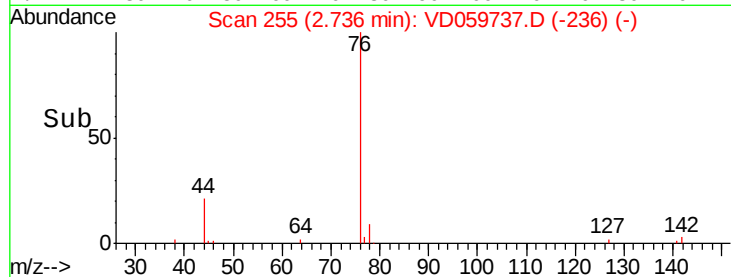
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 107.69 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.01 min

Lab File: VD059737.D

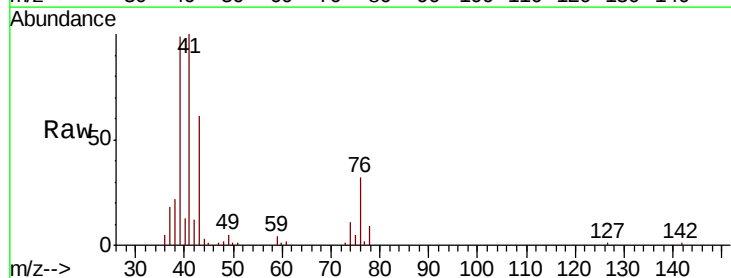
Acq: 10 Aug 2018 19:06

Tgt Ion: 43 Resp: 78222

Ion Ratio Lower Upper

43 100

74 18.0 12.1 18.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

2.91

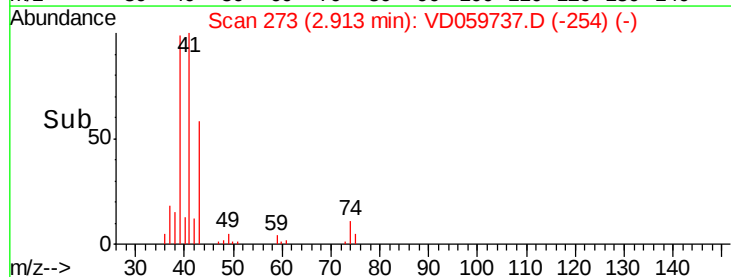
30000

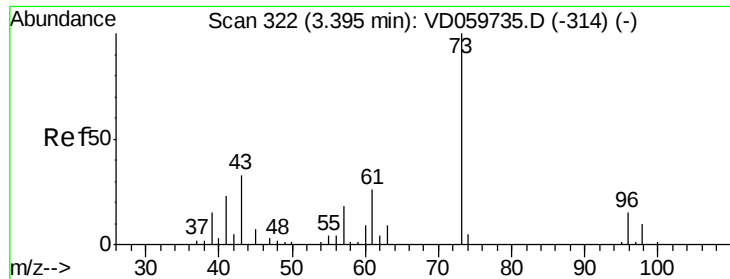
20000

10000

0

Time-->





#19

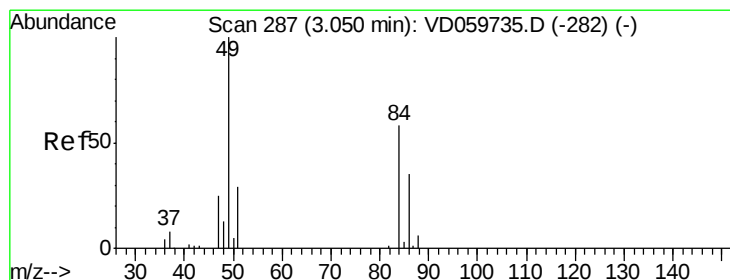
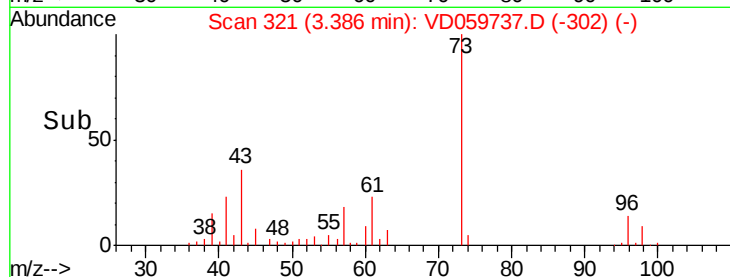
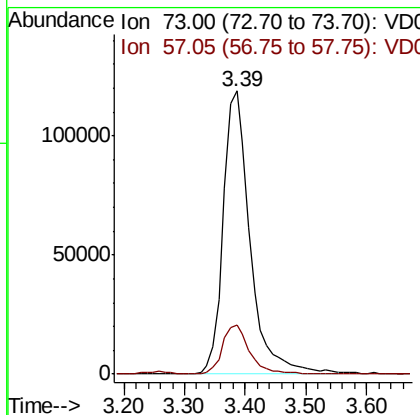
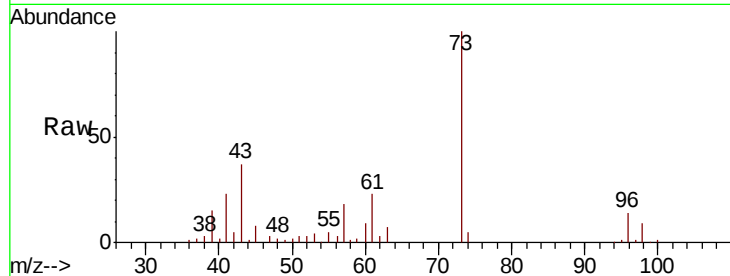
Methyl tert-butyl Ether
 Concen: 120.96 ug/l
 RT: 3.39 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC100

Tot Ion: 73 Resp: 366704
 Ion Ratio Lower Upper
 73 100
 57 17.6 14.8 22.2

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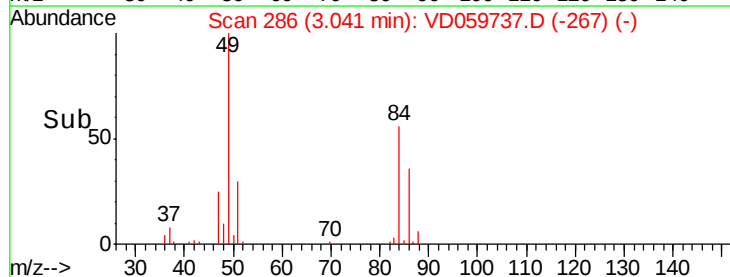
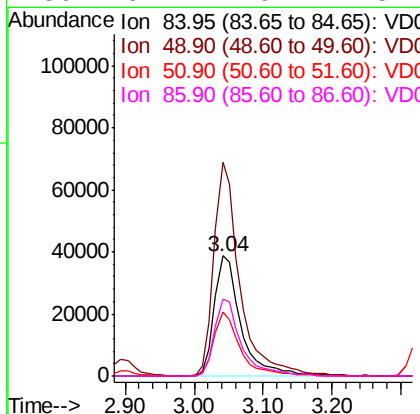
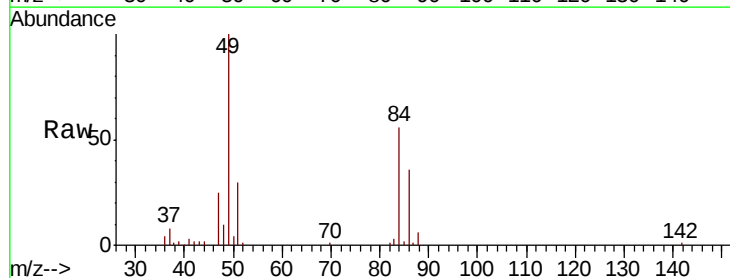
apatel
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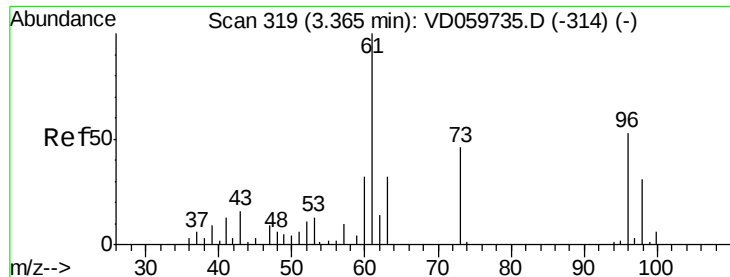


#20

Methylene Chloride
 Concen: 69.69 ug/l
 RT: 3.04 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Tgt Ion: 84 Resp: 104460
 Ion Ratio Lower Upper
 84 100
 49 177.8 138.9 208.3
 51 53.5 40.2 60.2
 86 64.2 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 124.20 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 127198

Ion Ratio Lower Upper

96 100

61 190.9 152.0 228.0

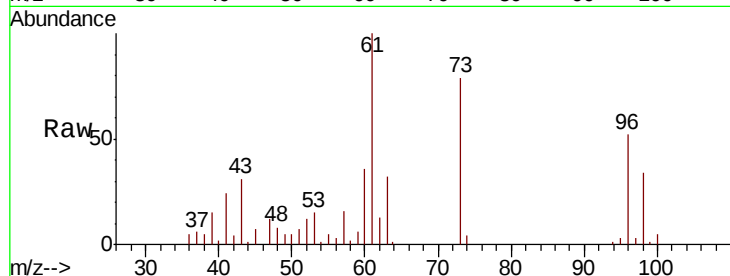
98 64.9 47.4 71.2

Manual Integrations

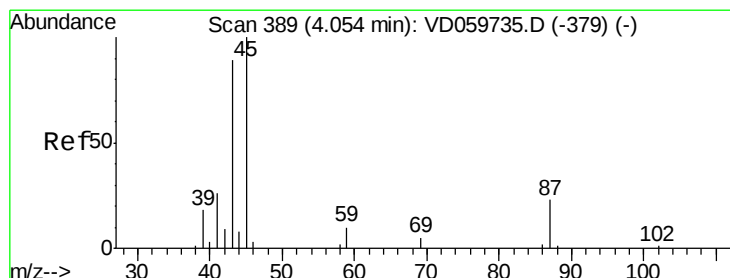
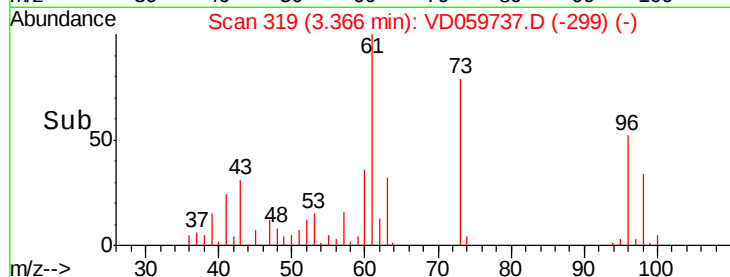
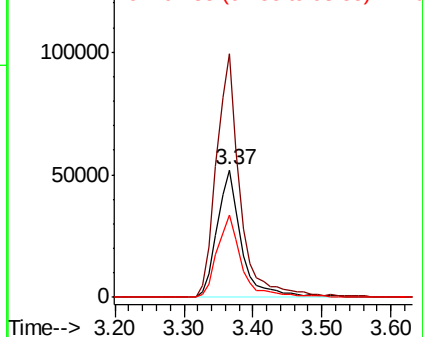
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 96.83 ug/l

RT: 4.05 min Scan# 389

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Tgt Ion: 45 Resp: 397615

Ion Ratio Lower Upper

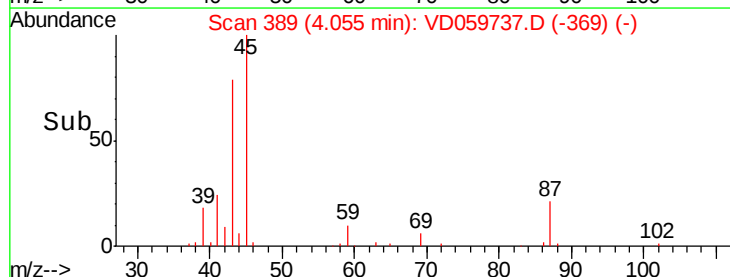
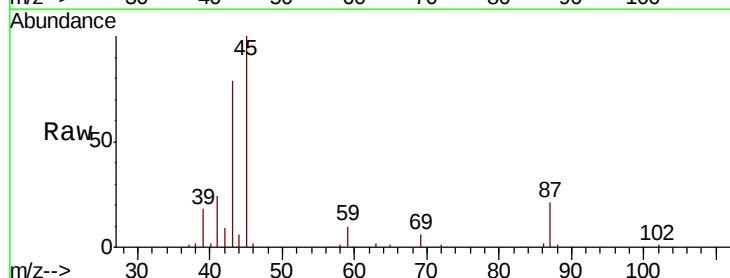
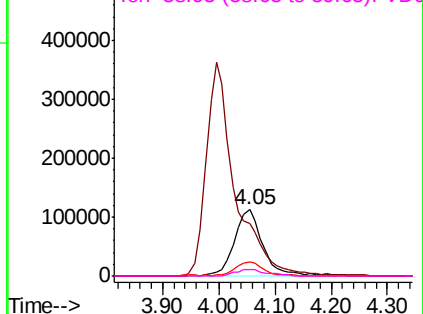
45 100

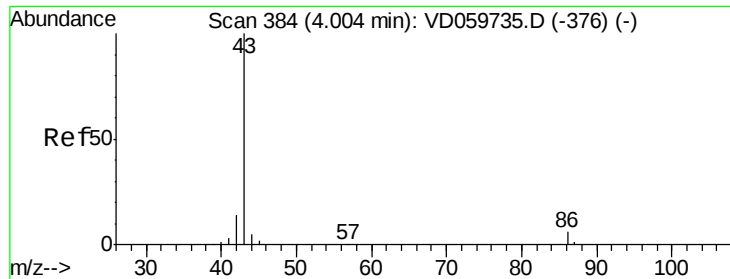
43 79.1 75.5 113.3

87 21.0 19.4 29.0

59 10.2 8.5 12.7

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 492.43 ug/l

RT: 4.00 min Scan# 383

Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1301369

Ion Ratio Lower Upper

43 100

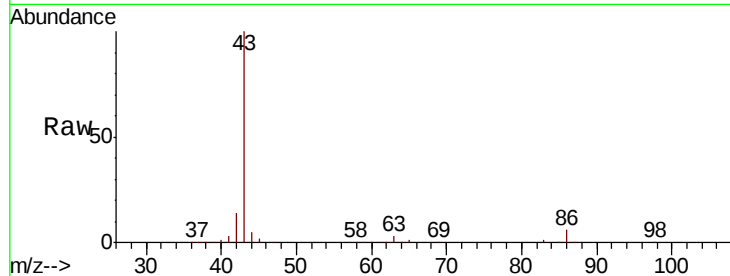
86 5.7 5.0 7.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.00

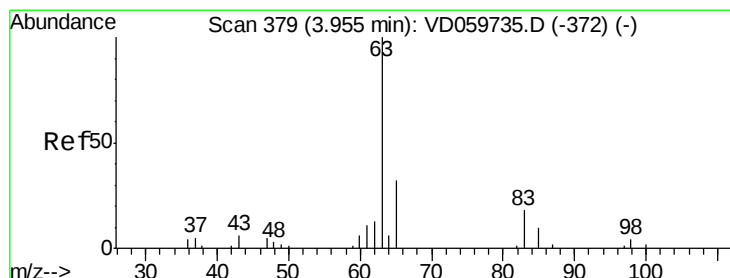
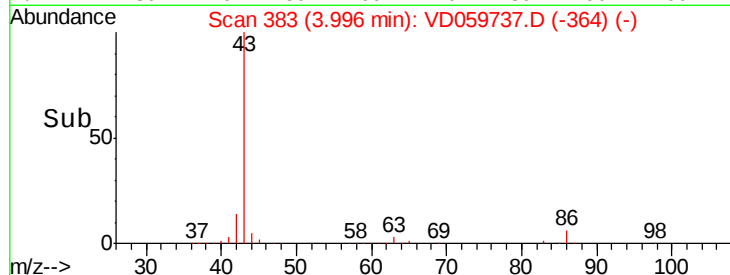
300000

200000

100000

0

Time--> 3.80 3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 102.96 ug/l

RT: 3.95 min Scan# 378

Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

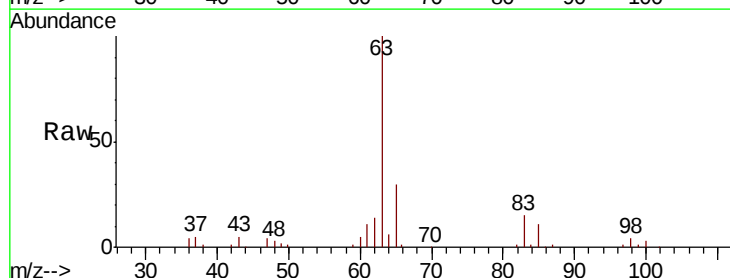
Tgt Ion: 63 Resp: 282181

Ion Ratio Lower Upper

63 100

98 4.1 1.8 5.5

100 2.7 1.1 3.1



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

3.95

120000

100000

80000

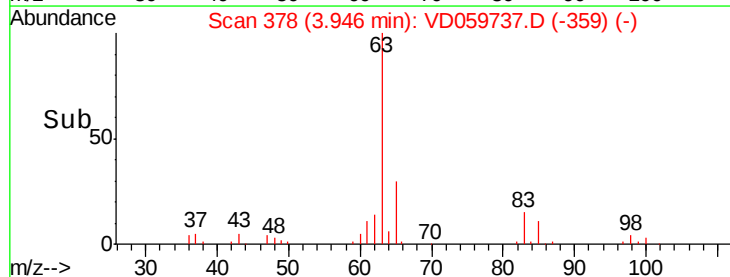
60000

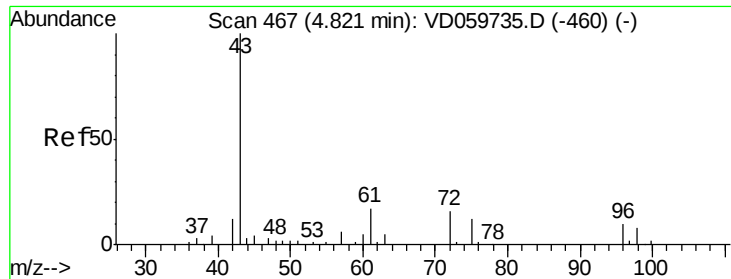
40000

20000

0

Time--> 3.80 3.90 4.00 4.10





#25

2-Butanone

Concen: 509.25 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 250259

Ion Ratio Lower Upper

43 100

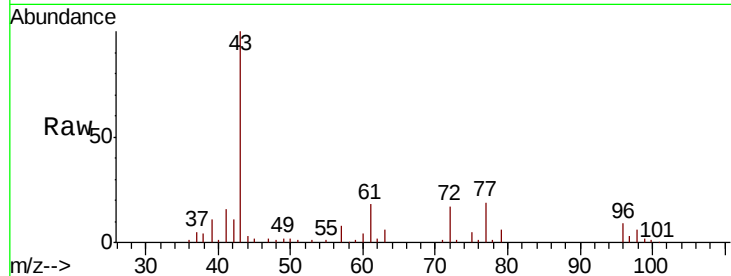
72 17.1 13.1 19.7

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.82

80000

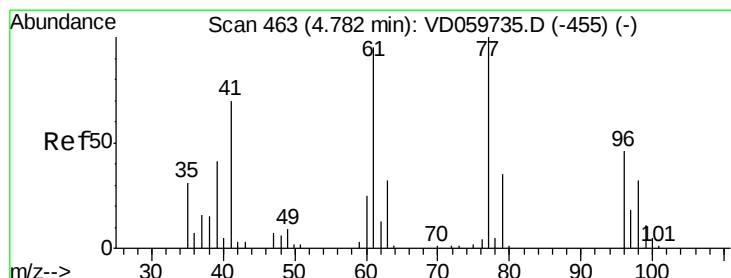
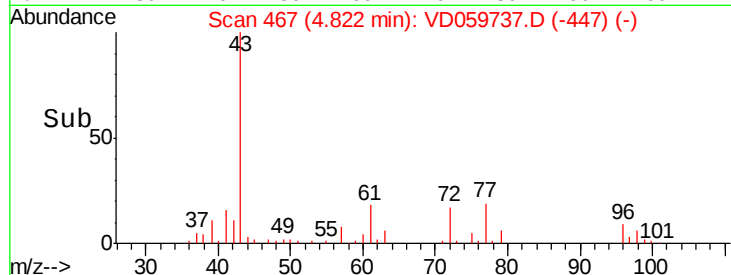
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 112.06 ug/l

RT: 4.78 min Scan# 463

Delta R.T. 0.00 min

Lab File: VD059737.D

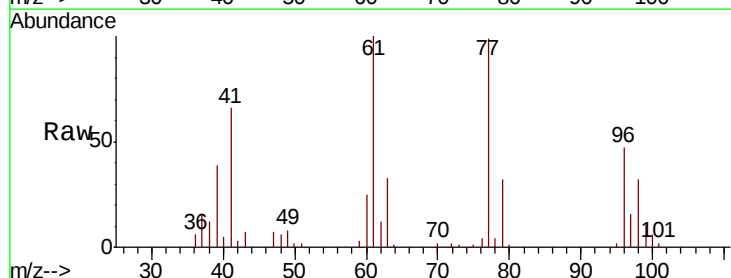
Acq: 10 Aug 2018 19:06

Tgt Ion: 77 Resp: 332468

Ion Ratio Lower Upper

77 100

97 16.2 8.9 26.8



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

4.78

100000

80000

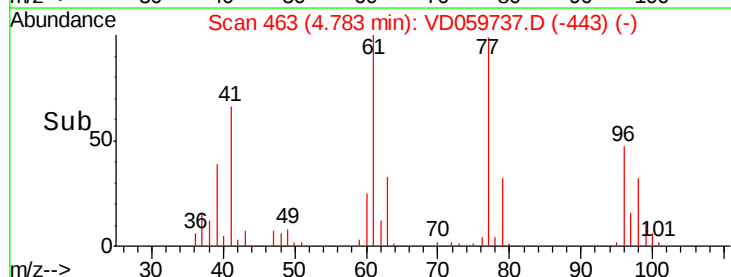
60000

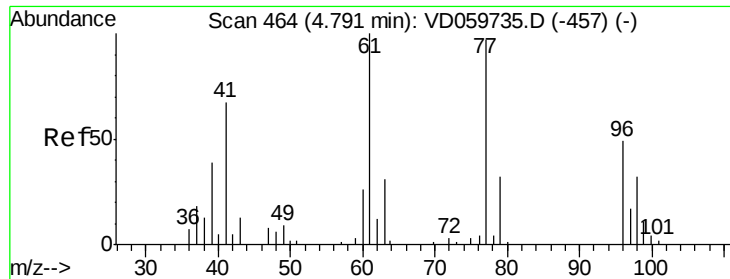
40000

20000

0

Time-->





#27

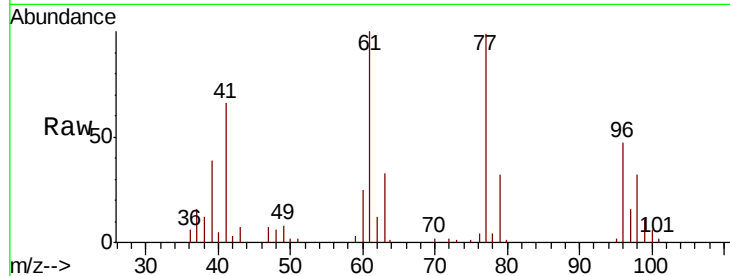
cis-1,2-Dichloroethene
Concen: 94.90 ug/l
RT: 4.78 min Scan# 463
Delta R.T. -0.01 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

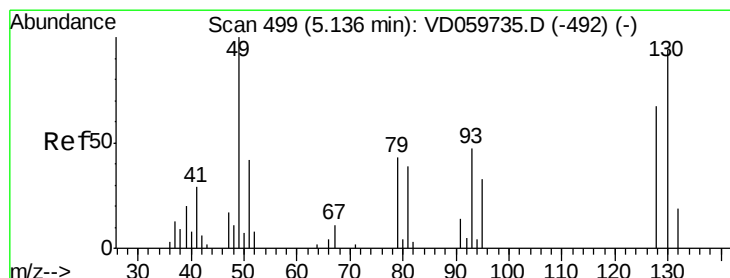
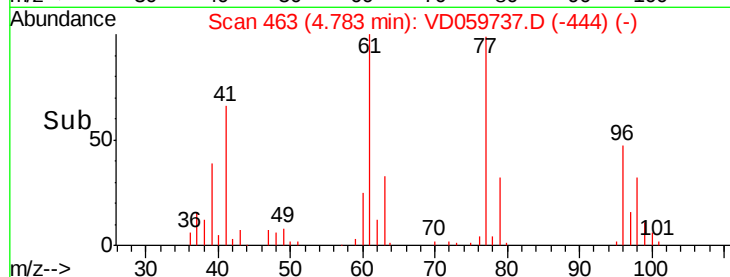
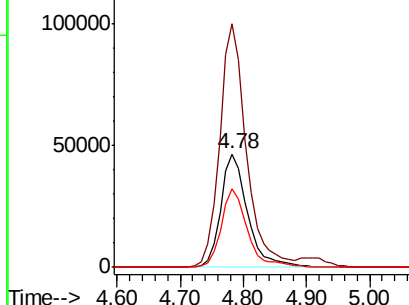
Tot Ion	Ratio	Resp	Lower	Upper
96	100	137039		
61	214.6	0.0	409.8	
98	69.5	0.0	132.8	

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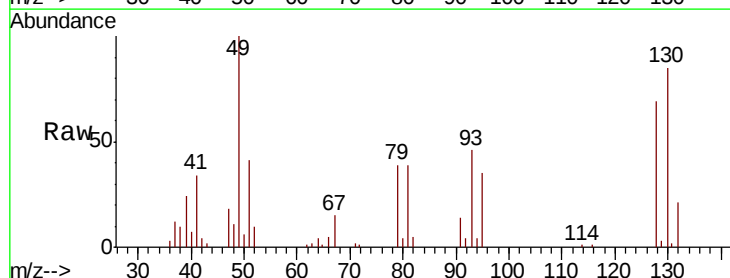
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



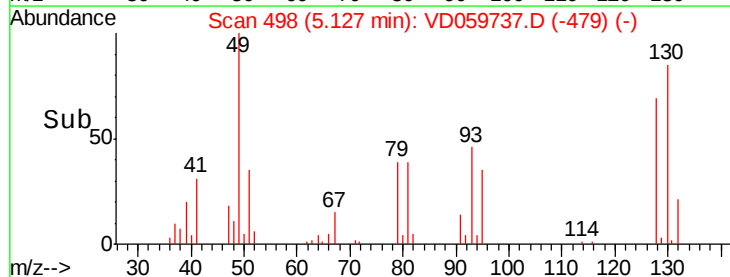
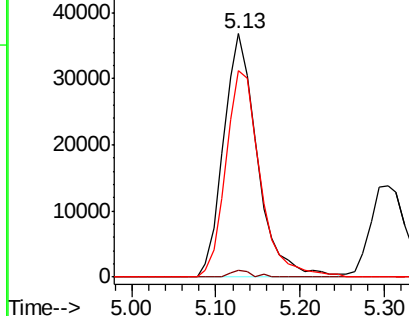
#28

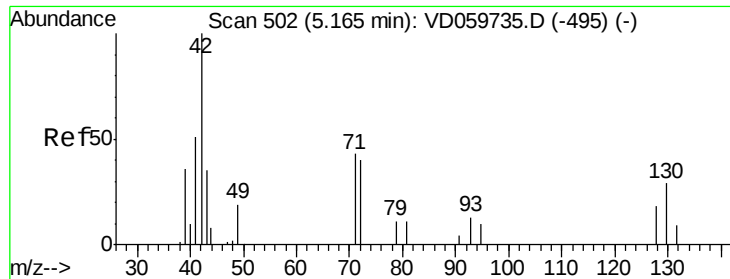
Bromochloromethane
Concen: 99.72 ug/l
RT: 5.13 min Scan# 498
Delta R.T. -0.01 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	102696		
129	2.6	0.0	0.0#	
130	84.9	75.0	112.6	



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





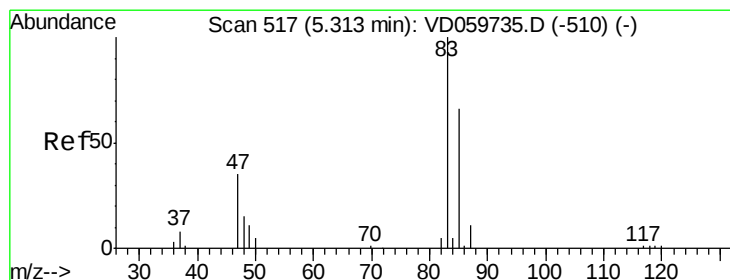
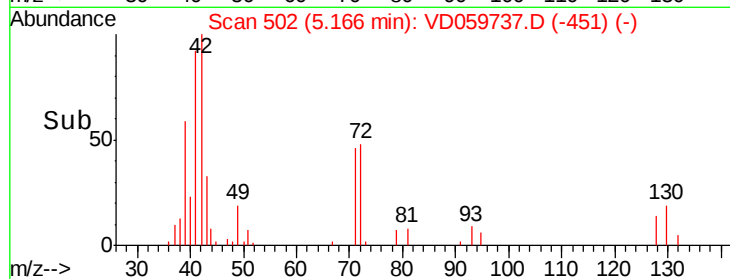
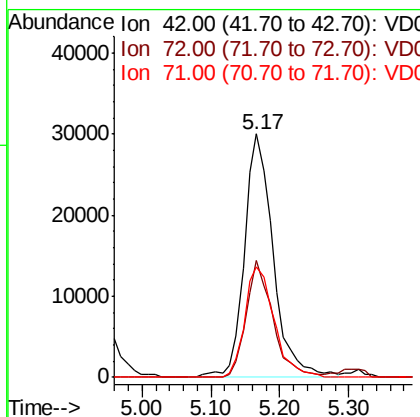
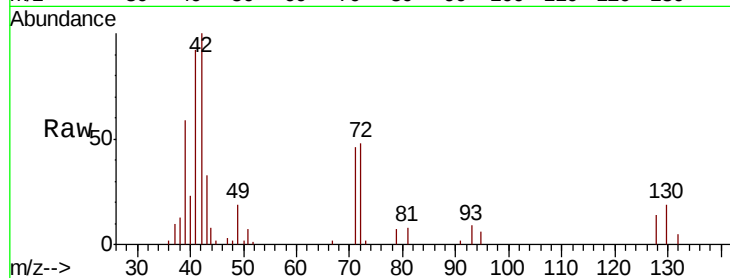
#29
Tetrahydrofuran
Concen: 455.26 ug/l
RT: 5.17 min Scan# 502
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.3	52.9
71	46.5	37.1	55.7

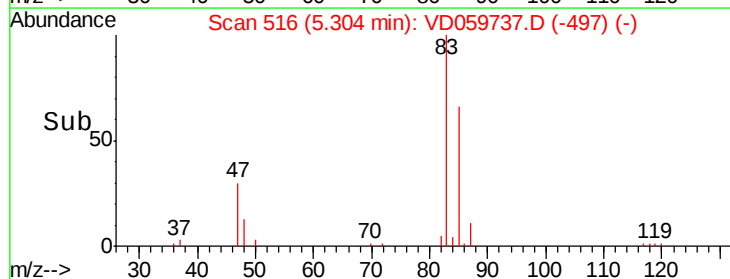
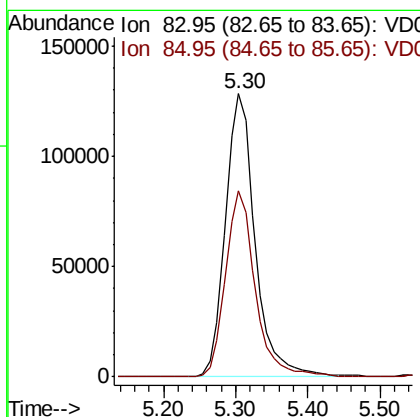
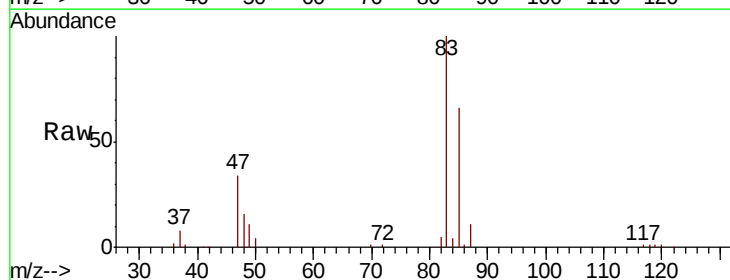
Manual Integrations
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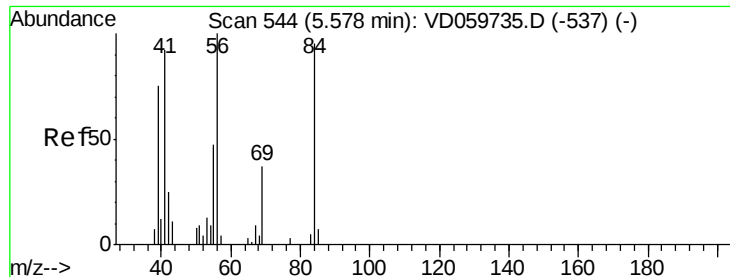
apatel
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#30
Chloroform
Concen: 107.68 ug/l
RT: 5.30 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.9	79.3





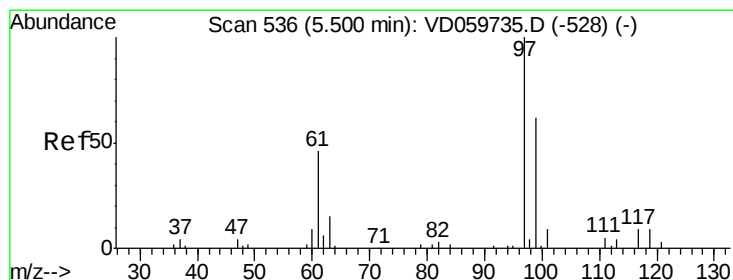
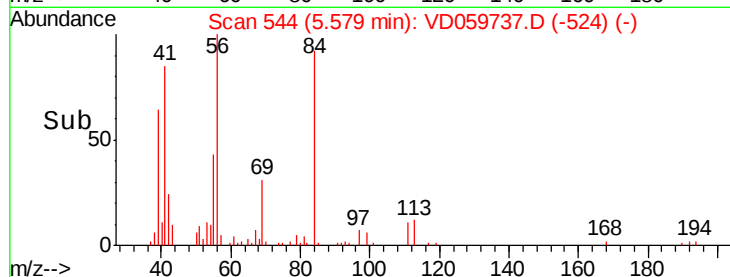
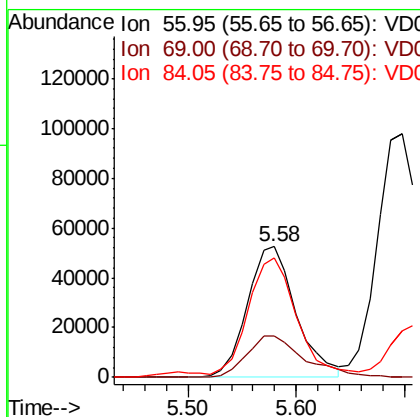
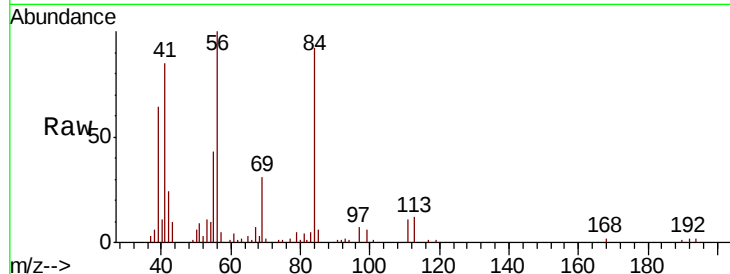
#31
Cyclohexane
Concen: 81.98 ug/l
RT: 5.58 min Scan# 544
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	29.3	43.9
84	91.8	76.2	114.2

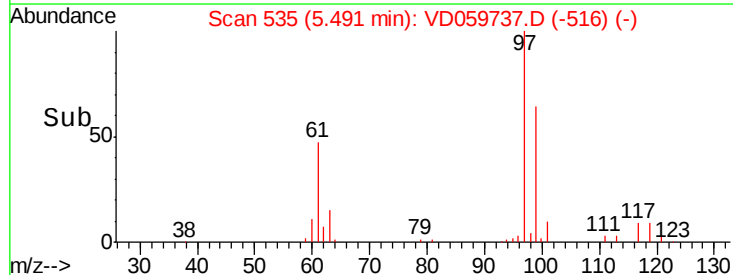
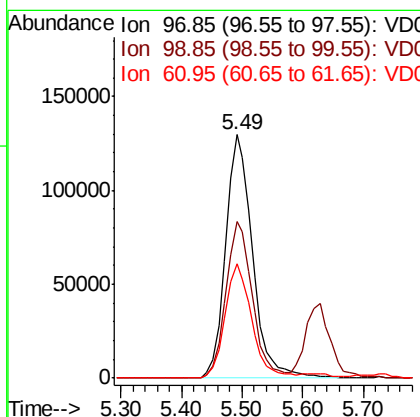
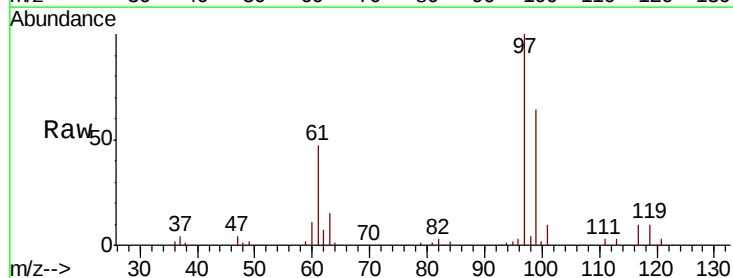
Manual Integrations
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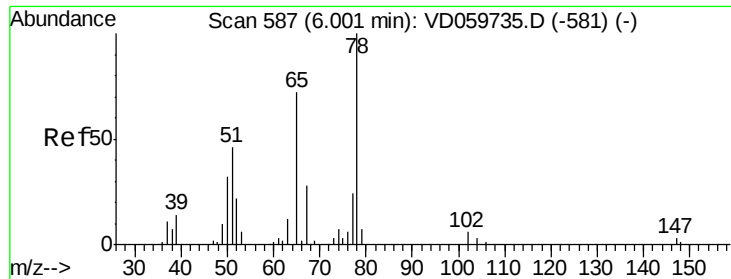
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#32
1,1,1-Trichloroethane
Concen: 119.94 ug/l
RT: 5.49 min Scan# 535
Delta R.T. -0.01 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	49.8	74.6
61	46.8	37.0	55.4





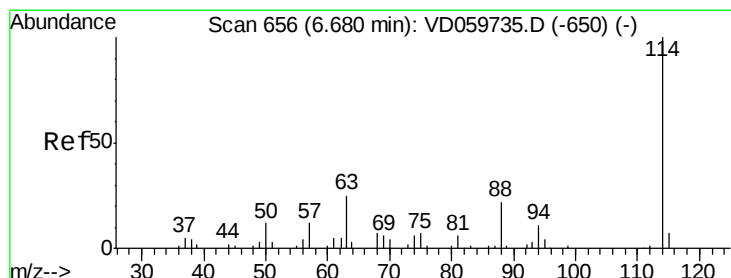
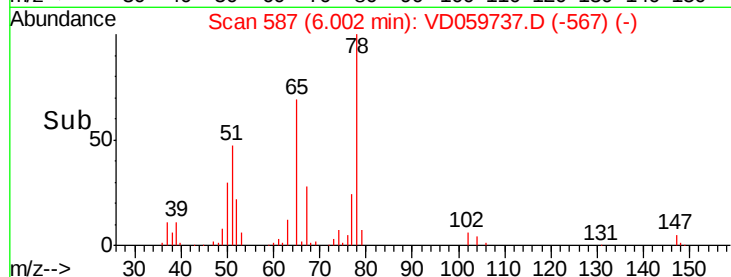
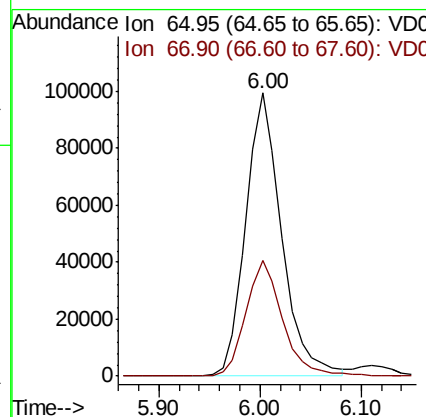
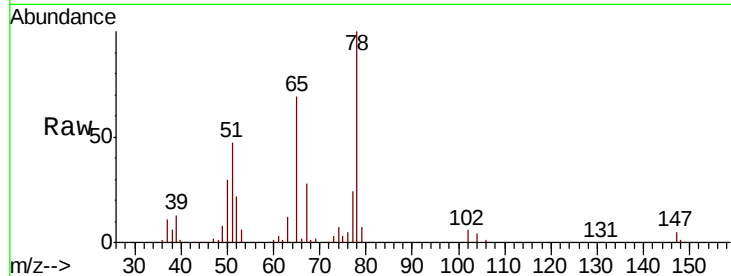
#33
 1,2-Dichloroethane-d4
 Concen: 119.94 ug/l
 RT: 6.00 min Scan# 587
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	246226		
67	40.8	0.0	77.4	

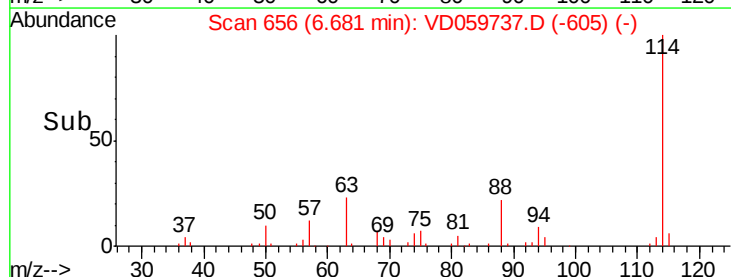
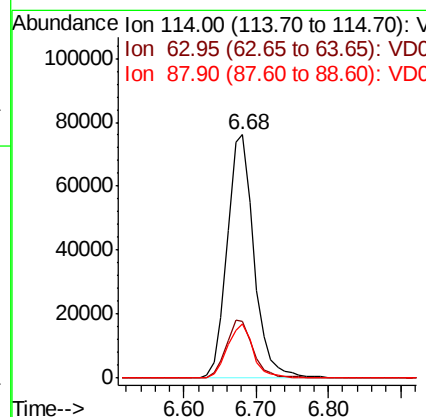
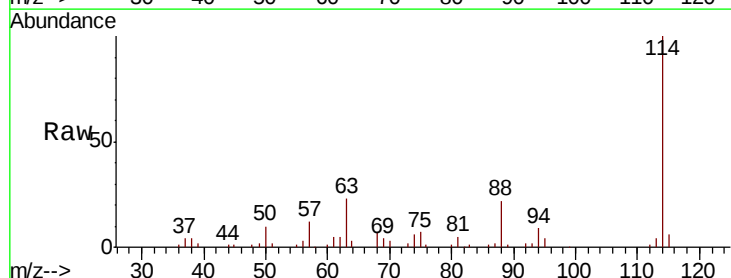
Manual Integrations
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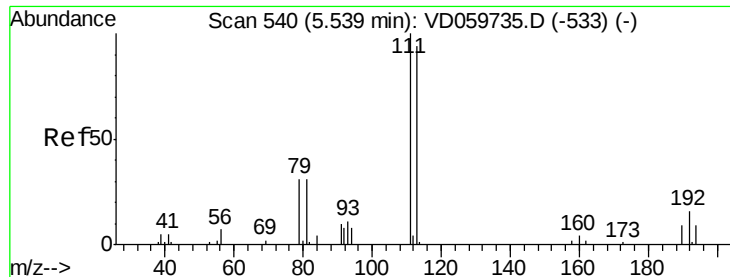
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.68 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	196218		
63	23.4	0.0	50.6	
88	22.0	0.0	43.4	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.53 min Scan# 539

Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

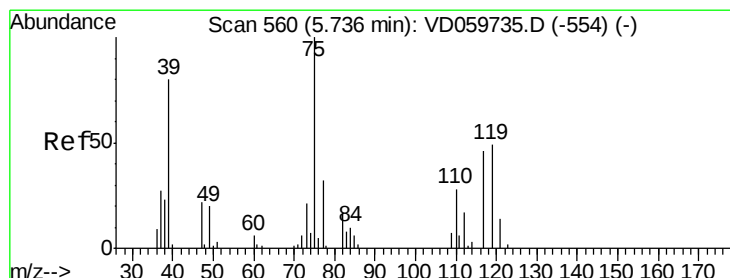
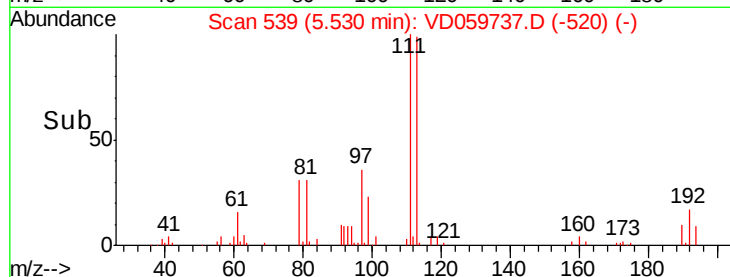
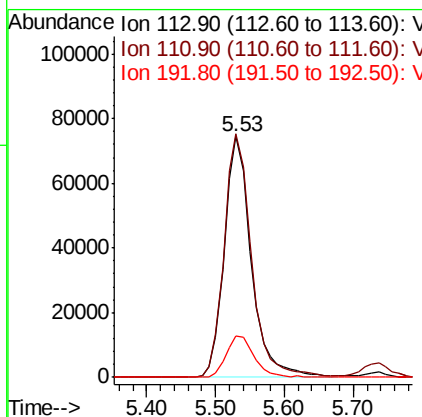
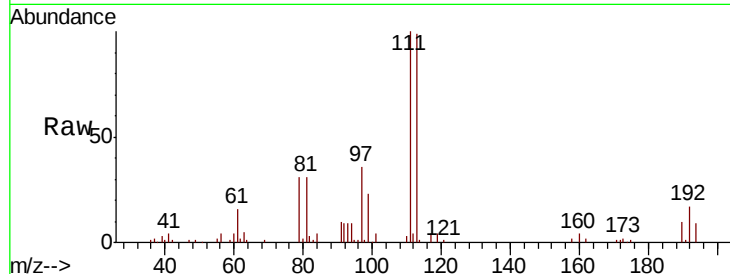
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	202403
Ion Ratio	Lower	Upper	
113	100		
111	101.0	85.3	127.9
192	17.0	13.9	20.9

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#36

1,1-Dichloropropene

Concen: 107.05 ug/l

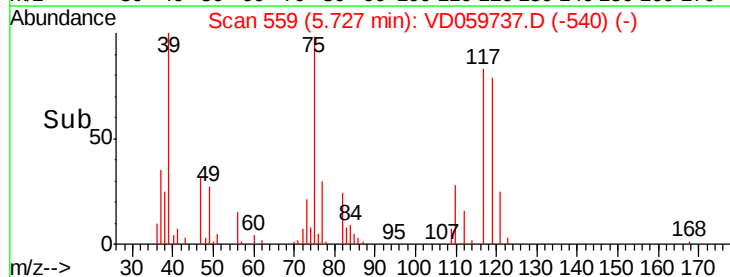
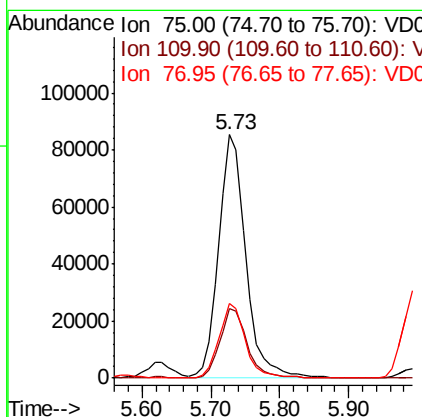
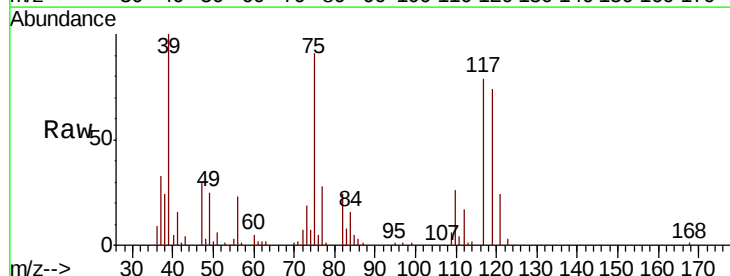
RT: 5.73 min Scan# 559

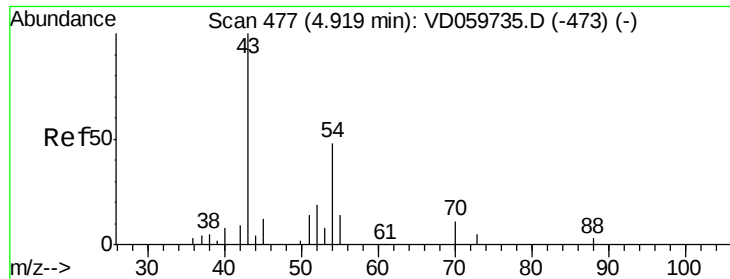
Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Tgt Ion:	75	Resp:	233805
Ion Ratio	Lower	Upper	
75	100		
110	28.3	13.7	41.0
77	30.6	25.4	38.2





#37

Ethyl Acetate

Concen: 99.83 ug/l

RT: 4.91 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

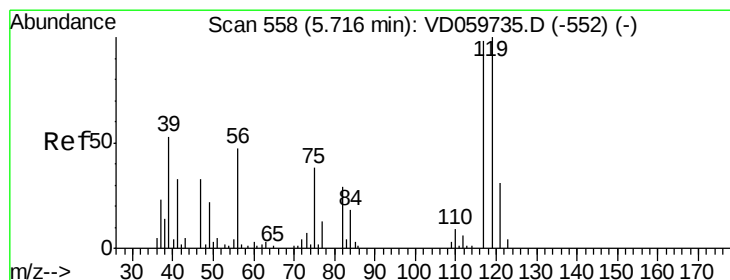
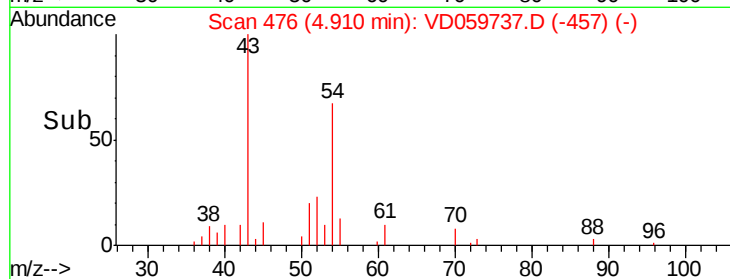
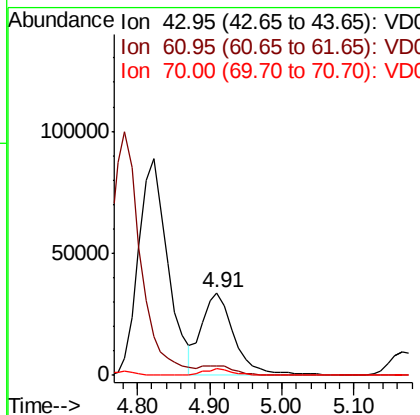
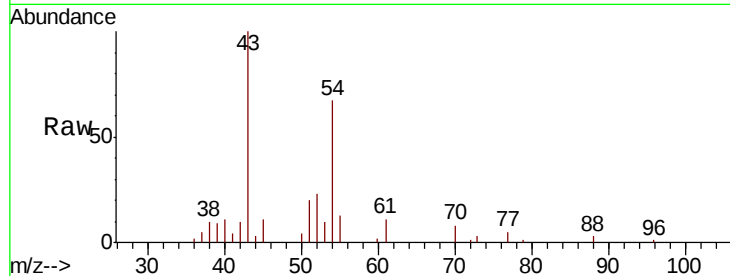
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	105841
Ion	Ratio	Lower	Upper
43	100		
61	11.4	7.4	11.0#
70	7.7	5.8	8.8

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#38

Carbon Tetrachloride

Concen: 119.42 ug/l

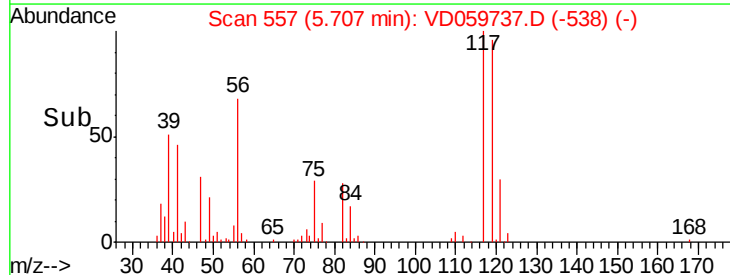
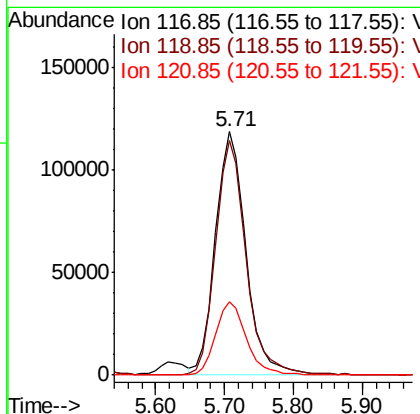
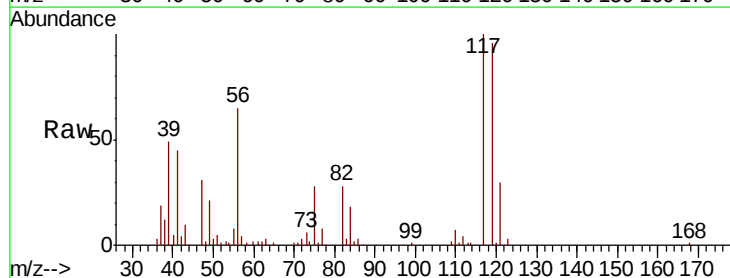
RT: 5.71 min Scan# 557

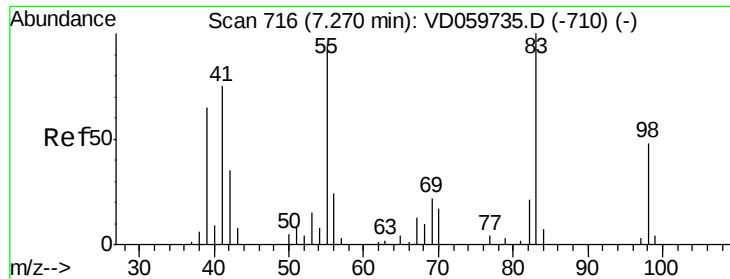
Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Tgt Ion:	117	Resp:	360243
Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.2	117.2
121	30.0	23.9	35.9





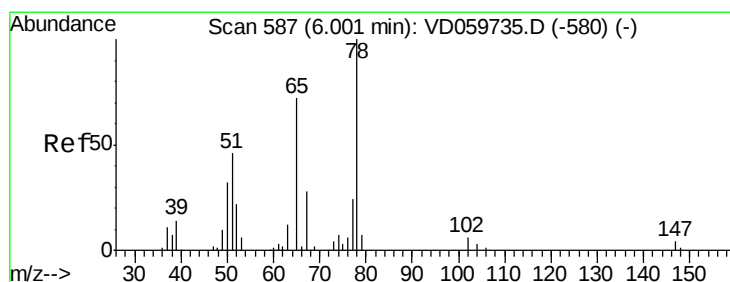
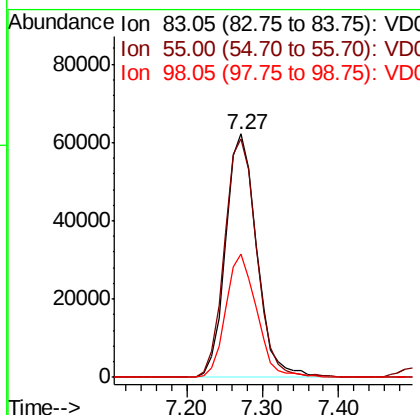
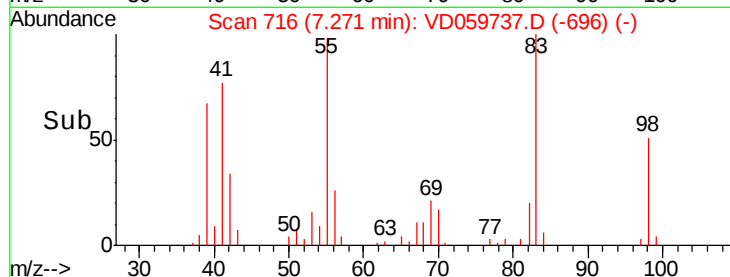
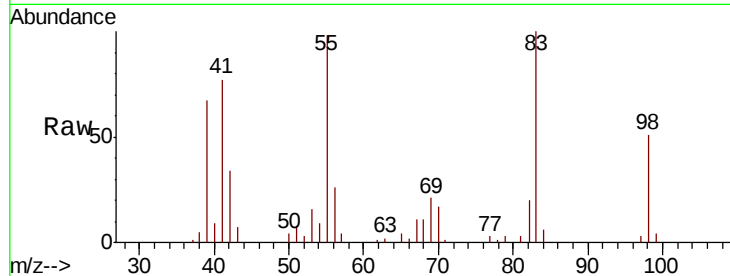
#39
Methvlcvclohexane
Concen: 97.41 ug/l
RT: 7.27 min Scan# 716
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.9	75.1	112.7
98	50.8	38.7	58.1

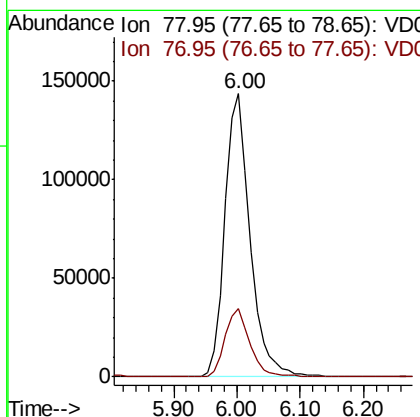
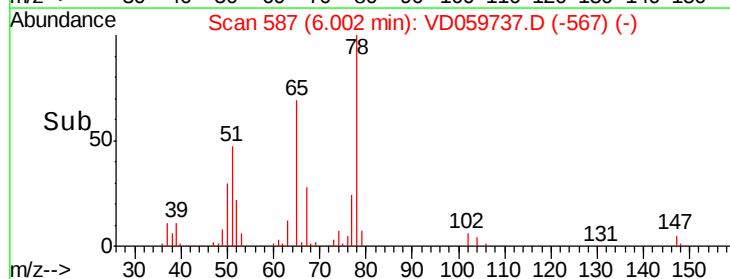
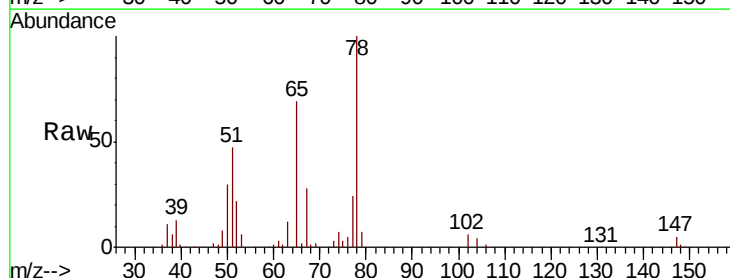
Manual Integrations
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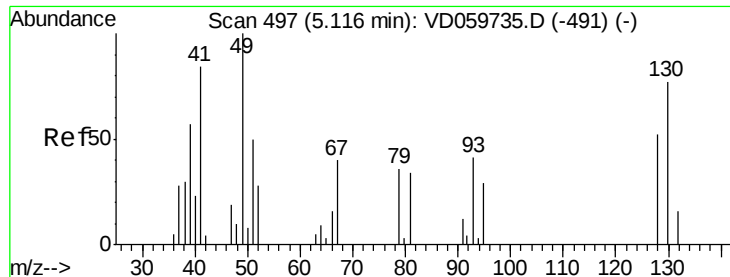
apatel
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#40
Benzene
Concen: 95.56 ug/l
RT: 6.00 min Scan# 587
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0





#41

Methacrylonitrile

Concen: 108.89 ug/l

RT: 5.11 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 52642

Ion Ratio Lower Upper

41 100

39 70.3 54.3 81.5

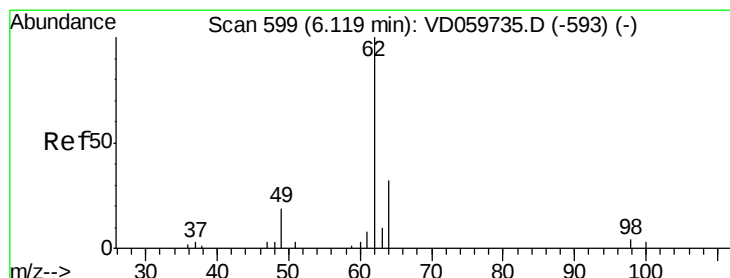
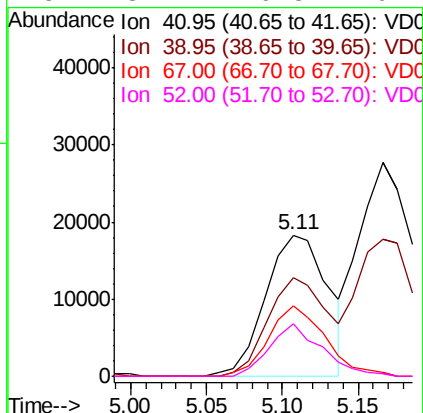
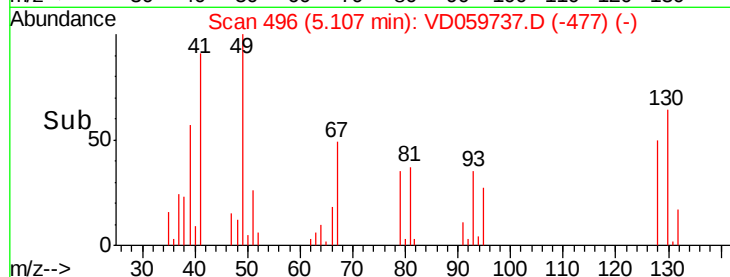
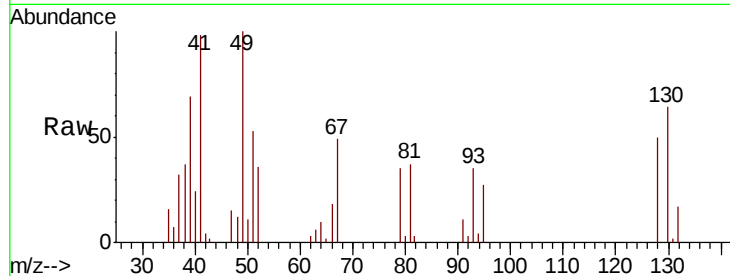
67 50.3 38.2 57.2

52 37.1 26.8 40.2

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#42

1,2-Dichloroethane

Concen: 113.82 ug/l

RT: 6.11 min Scan# 598

Delta R.T. -0.01 min

Lab File: VD059737.D

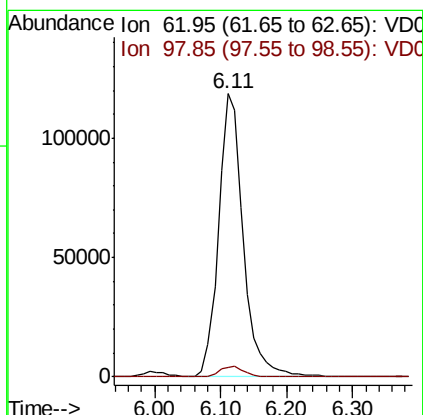
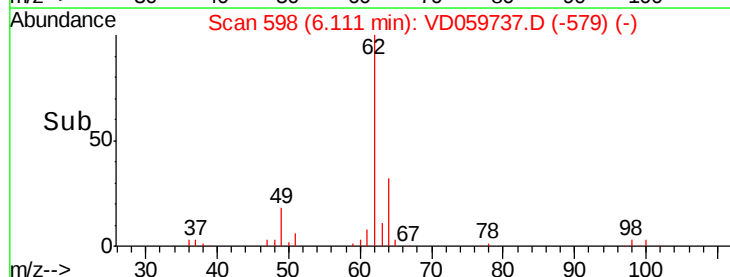
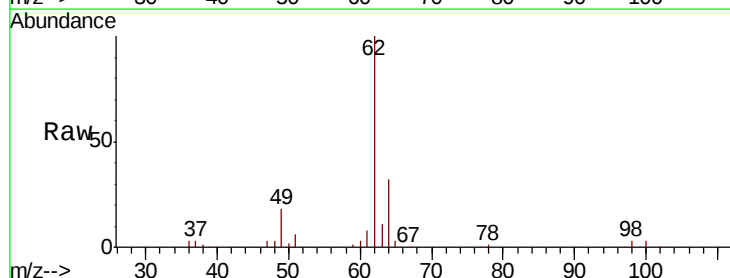
Acq: 10 Aug 2018 19:06

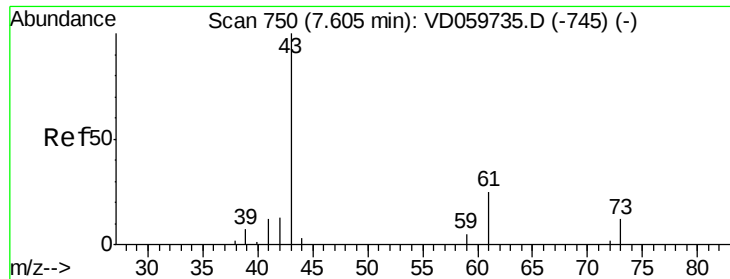
Tgt Ion: 62 Resp: 308561

Ion Ratio Lower Upper

62 100

98 3.5 0.0 8.2





#43

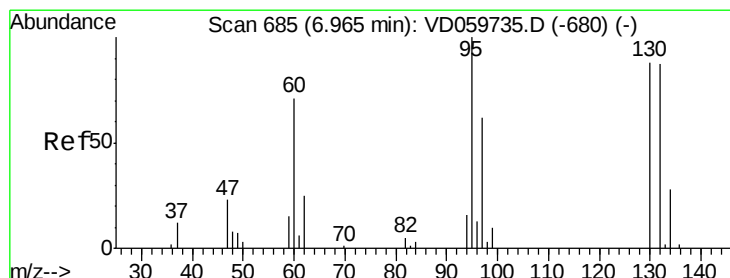
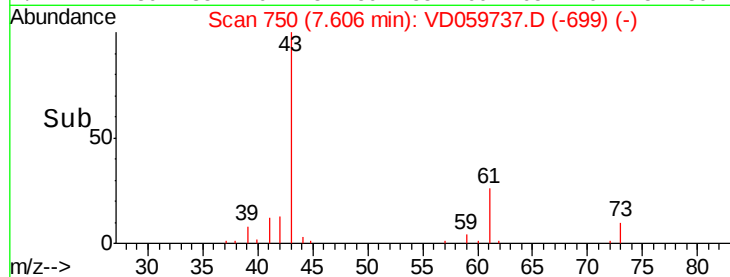
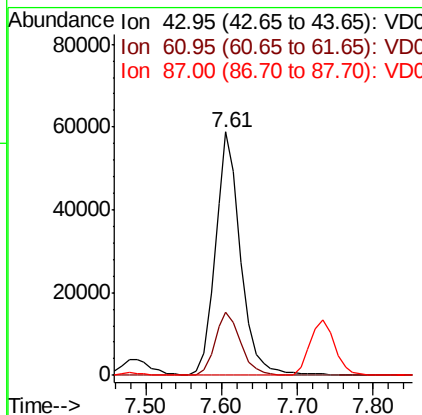
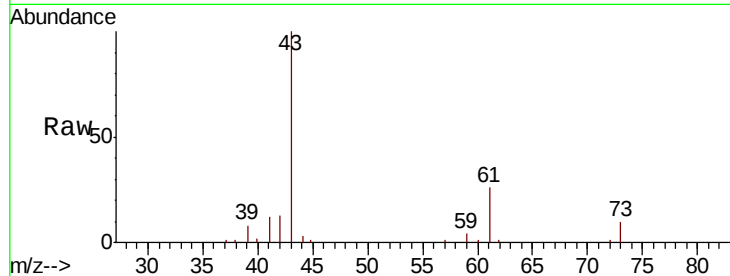
Isopropyl Acetate
 Concen: 99.20 ug/l
 RT: 7.61 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	19.8	29.8
87	0.0	0.0	0.0

Manual Integrations
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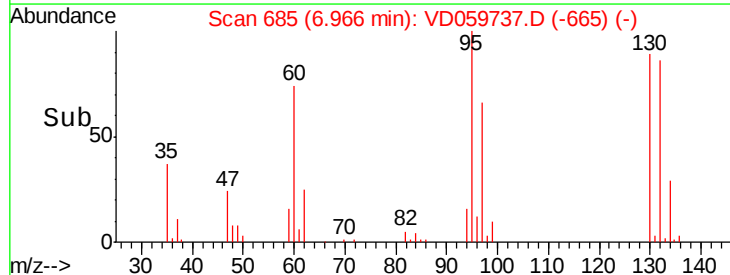
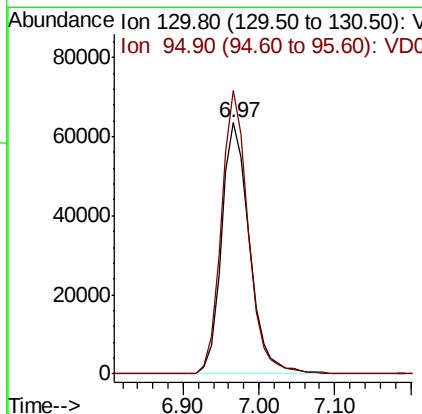
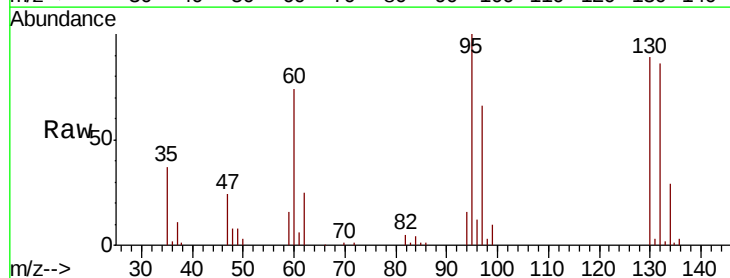
apatel
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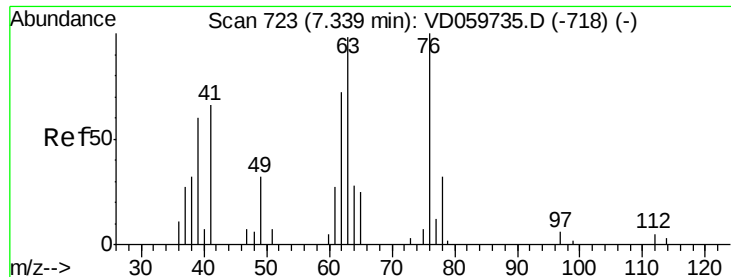


#44

Trichloroethene
 Concen: 104.10 ug/l
 RT: 6.97 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.8	0.0	226.4





#45

1,2-Dichloropropane

Concen: 102.05 ug/l

RT: 7.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 112077

Ion Ratio Lower Upper

63 100

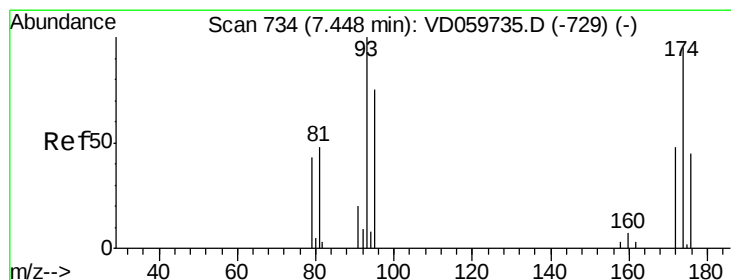
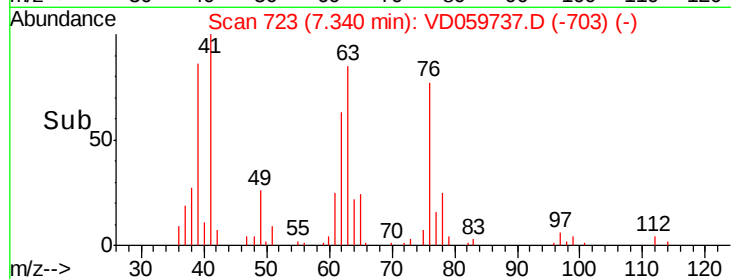
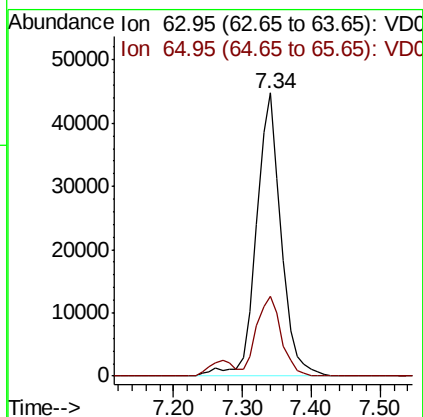
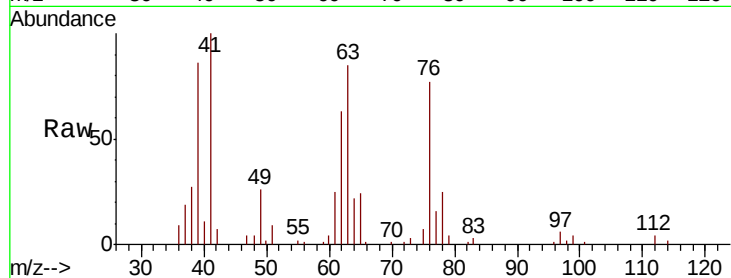
65 28.2 23.0 34.4

Manual Integrations

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#46

Dibromomethane

Concen: 109.57 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

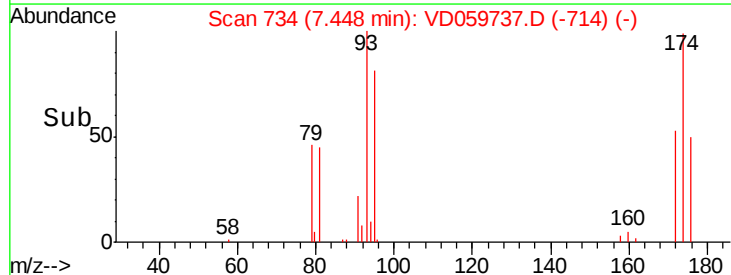
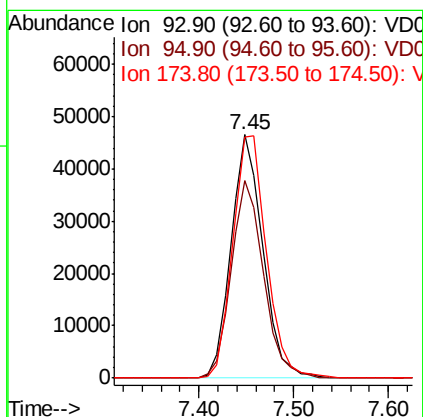
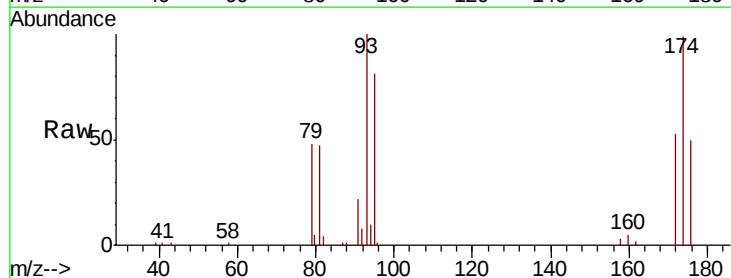
Tgt Ion: 93 Resp: 107731

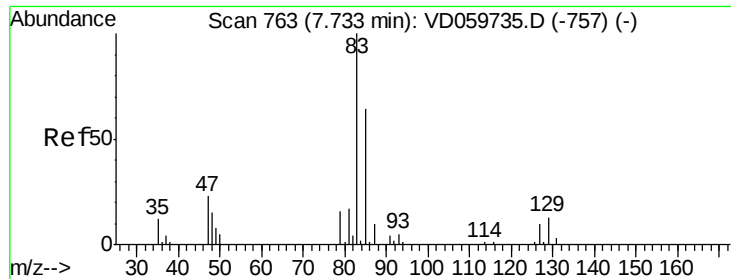
Ion Ratio Lower Upper

93 100

95 80.9 60.2 90.2

174 99.1 75.6 113.4





#47

Bromodichloromethane

Concen: 115.54 ug/l

RT: 7.73 min Scan# 763

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

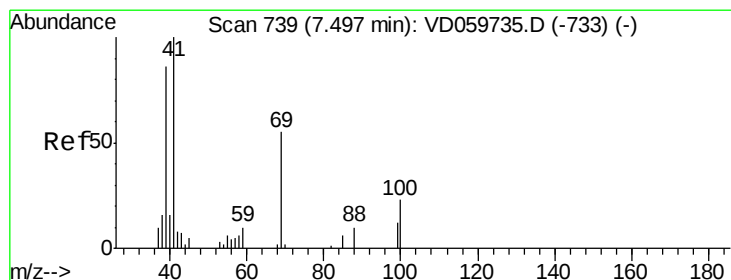
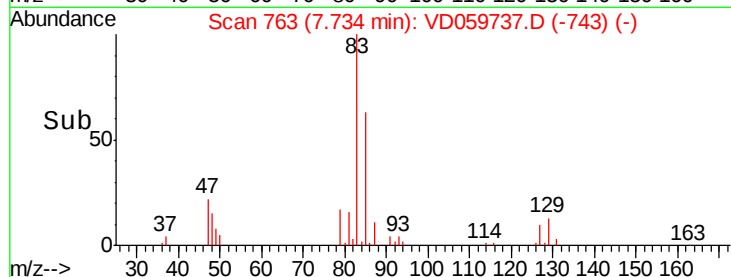
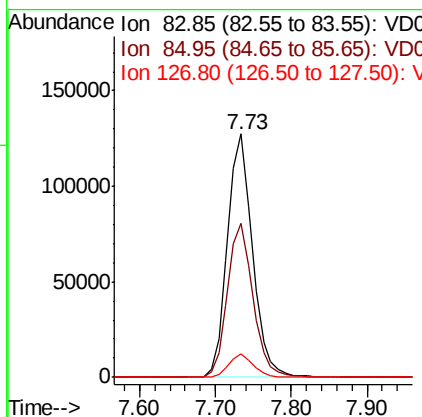
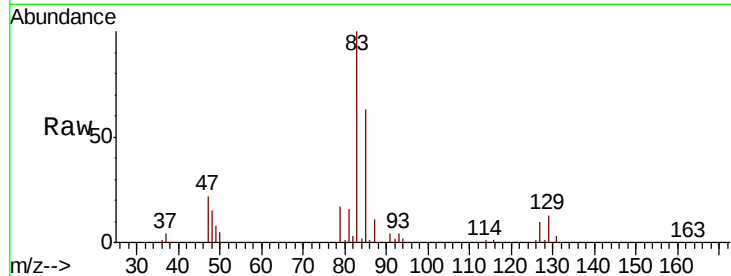
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	291860
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.6	77.4
127	9.5	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 102.94 ug/l

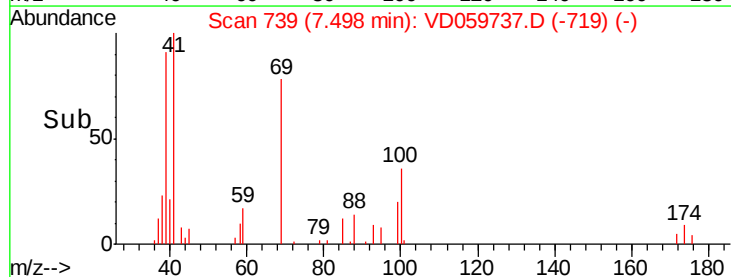
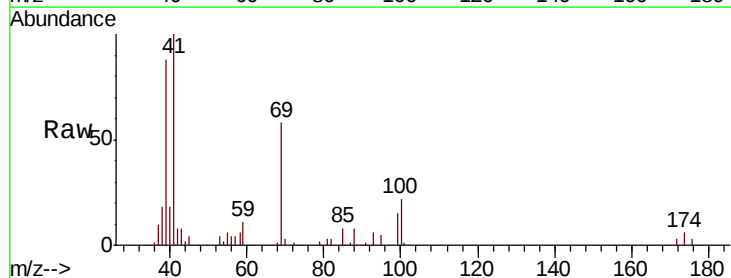
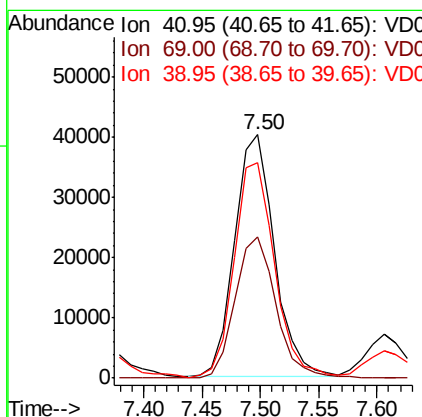
RT: 7.50 min Scan# 739

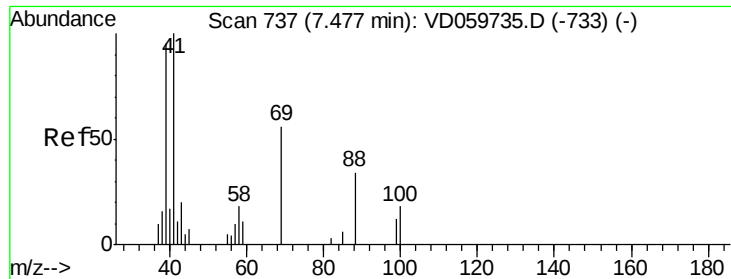
Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Tgt Ion:	41	Resp:	94791
Ion	Ratio	Lower	Upper
41	100		
69	57.9	43.8	65.6
39	88.4	69.1	103.7





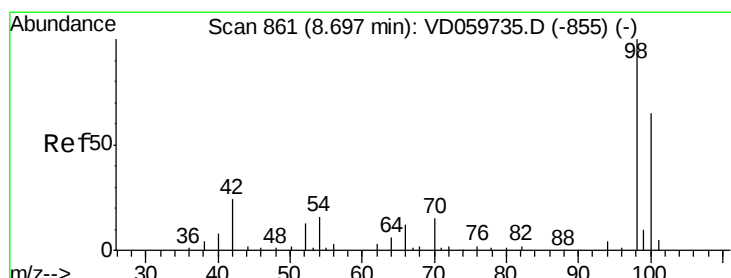
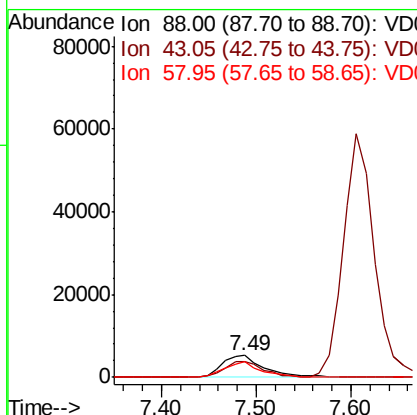
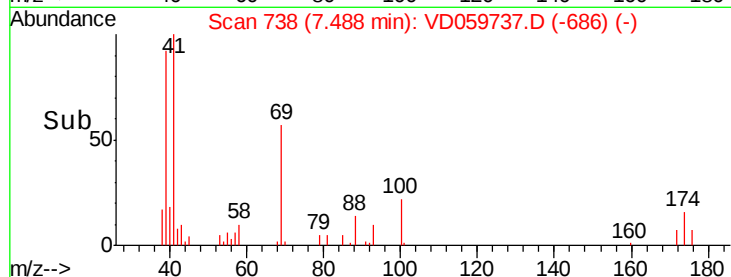
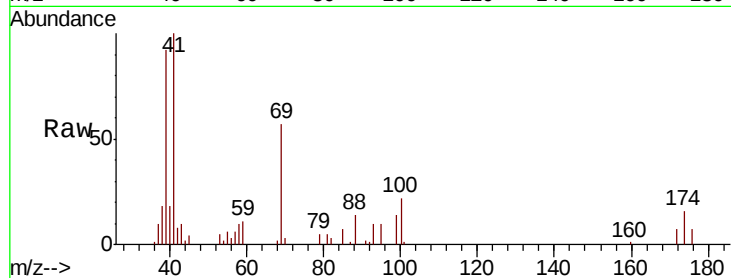
#49
1,4-Dioxane
Concen: 2304.50 ug/l
RT: 7.49 min Scan# 738
Delta R.T. 0.01 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	72.5	46.7	70.1#	
58	70.2	42.1	63.1#	

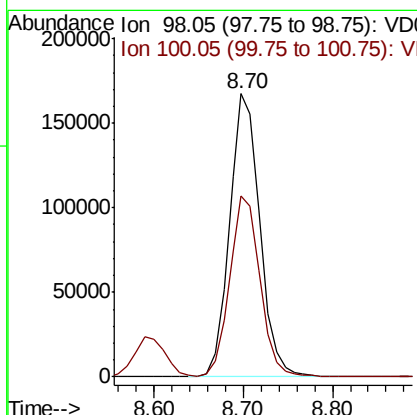
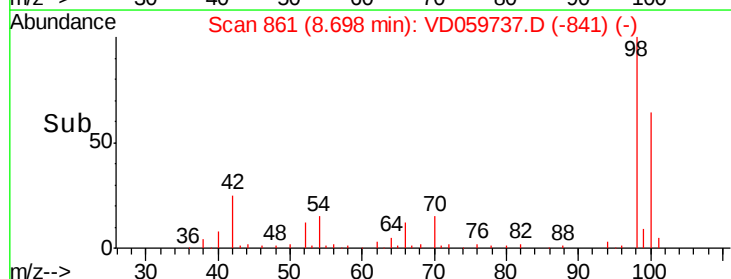
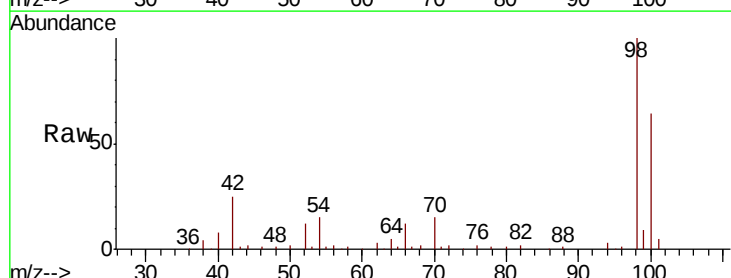
Manual Integrations
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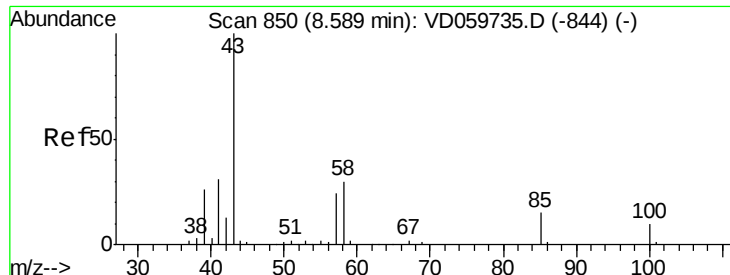
apatel
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#50
Toluene-d8
Concen: 2304.50 ug/l
RT: 8.70 min Scan# 861
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.9	52.2	78.2	





#51

4-Methyl-2-Pentanone

Concen: 538.59 ug/l

RT: 8.59 min Scan# 850

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 543739

Ion Ratio Lower Upper

43 100

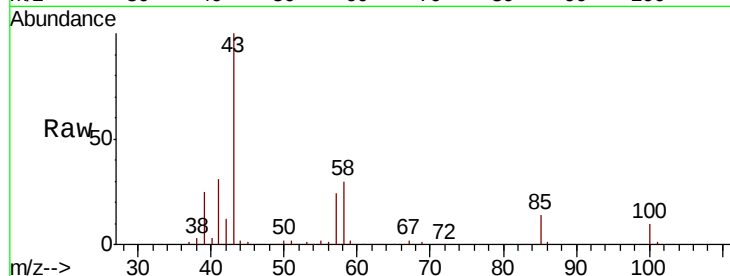
58 30.5 24.3 36.5

Manual Integrations

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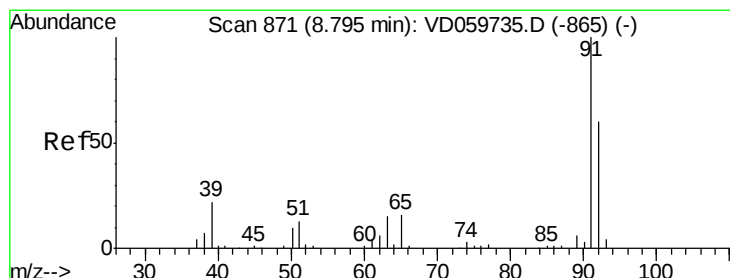
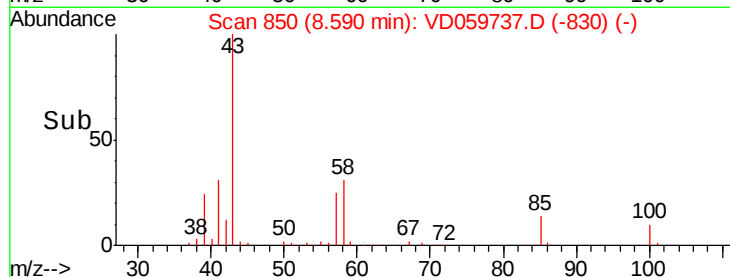
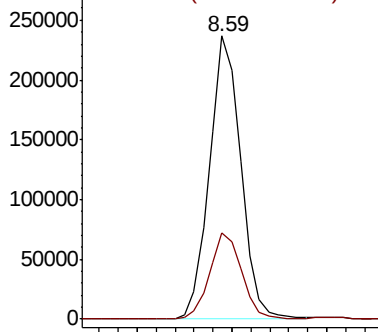
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 97.41 ug/l

RT: 8.80 min Scan# 871

Delta R.T. 0.00 min

Lab File: VD059737.D

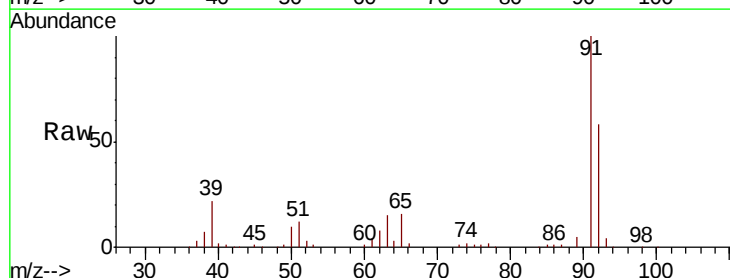
Acq: 10 Aug 2018 19:06

Tgt Ion: 92 Resp: 259908

Ion Ratio Lower Upper

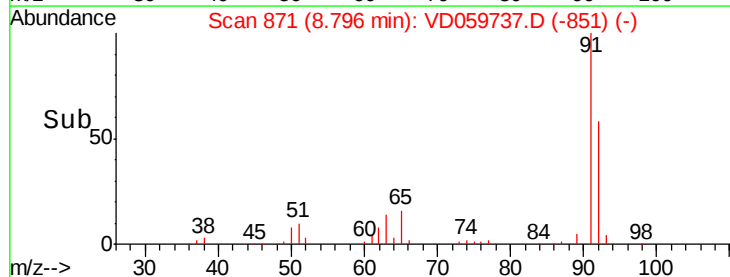
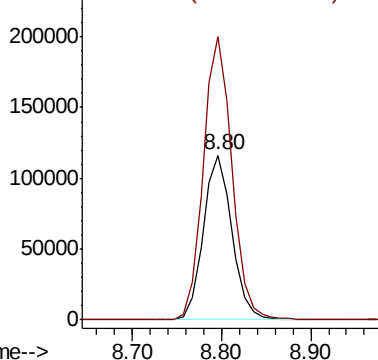
92 100

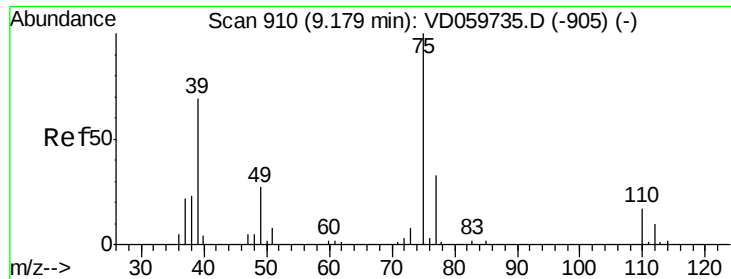
91 171.7 134.4 201.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 108.93 ug/l

RT: 9.18 min Scan# 910

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Tot Ion: 75 Resp: 230103

Ion Ratio Lower Upper

75 100

77 32.1 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

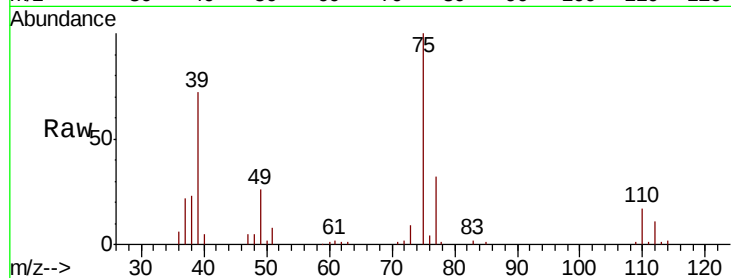
VSTDIC100

Manual Integrations

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.18

120000

100000

80000

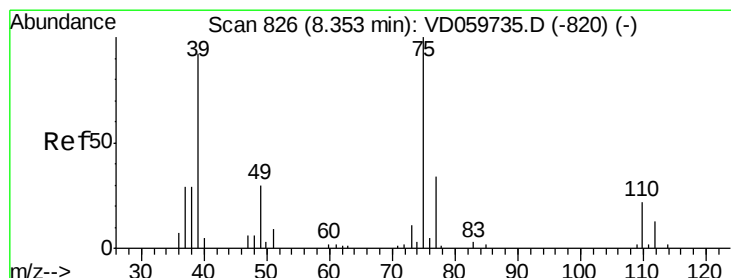
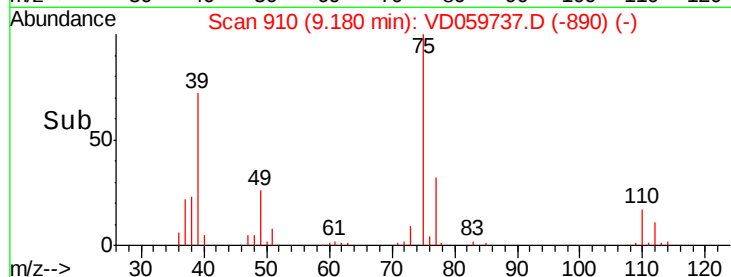
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 105.92 ug/l

RT: 8.35 min Scan# 826

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

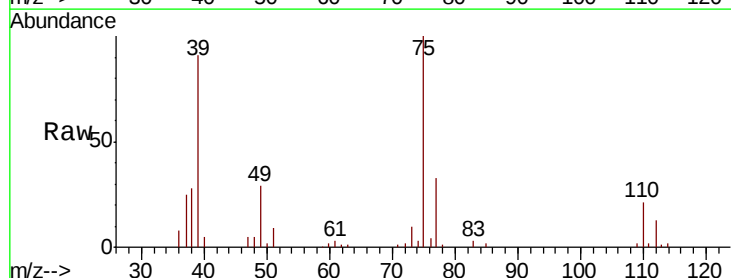
Tgt Ion: 75 Resp: 226685

Ion Ratio Lower Upper

75 100

77 32.9 27.2 40.8

39 91.4 73.8 110.8



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

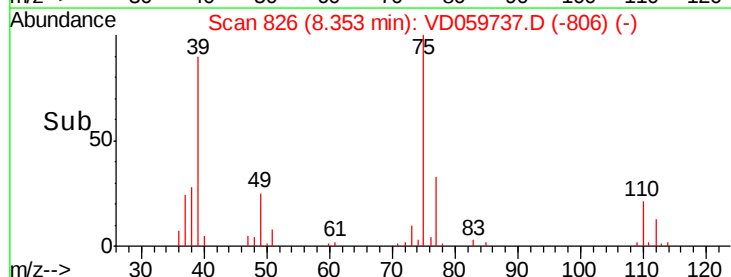
8.35

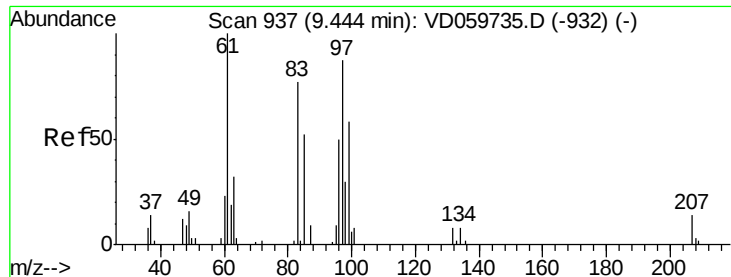
100000

50000

0

Time-->





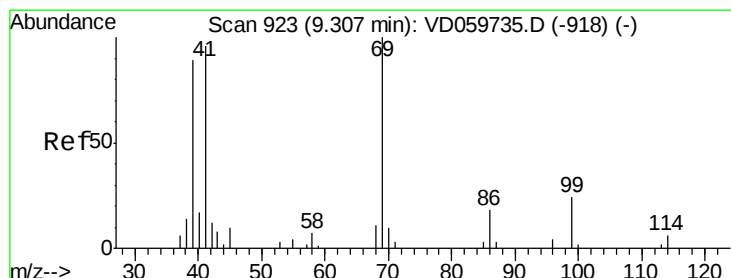
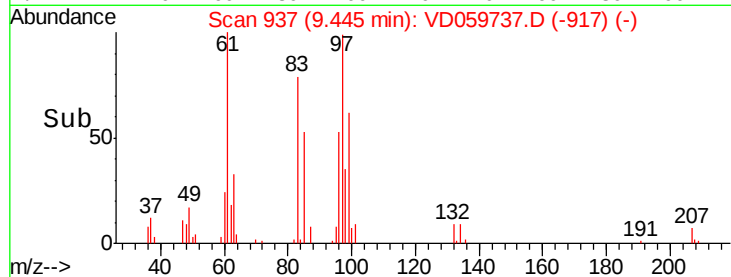
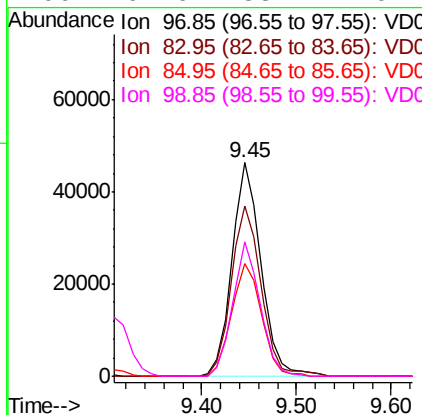
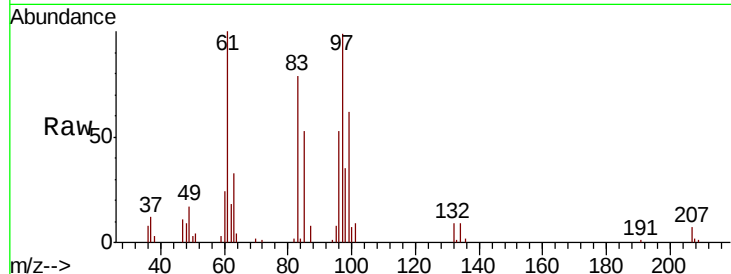
#55
 1,1,2-Trichloroethane
 Concen: 94.89 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		98406		
83	79.9	70.4	105.6		
85	52.9	47.6	71.4		
99	62.6	53.1	79.7		

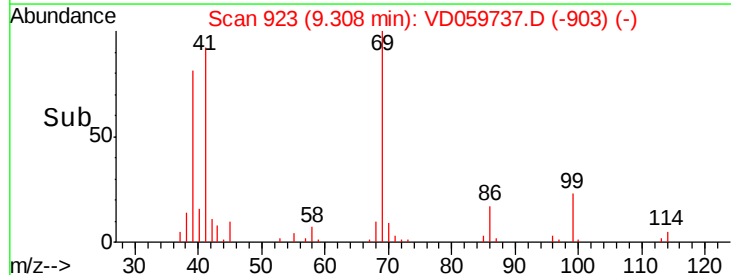
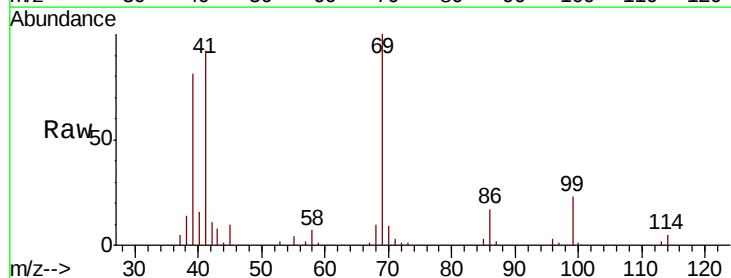
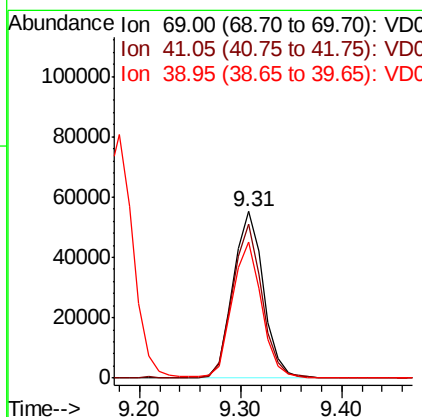
Manual Integrations
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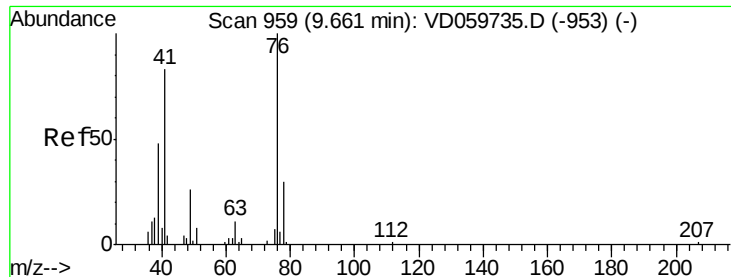
apatel
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#56
 Ethyl methacrylate
 Concen: 101.92 ug/l
 RT: 9.31 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		115571		
41	92.2	76.7	115.1		
39	81.4	71.0	106.4		





#57

1,3-Dichloropropane

Concen: 103.07 ug/l

RT: 9.66 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 166482

Ion Ratio Lower Upper

76 100

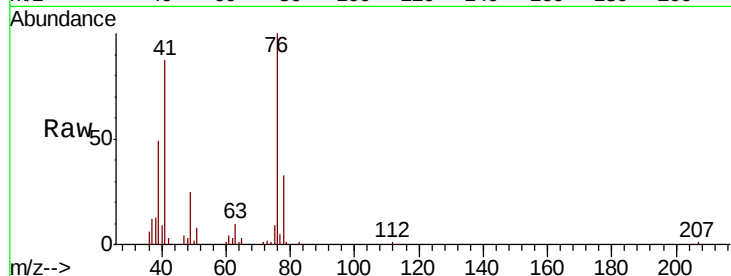
78 32.9 23.8 35.8

Manual Integrations

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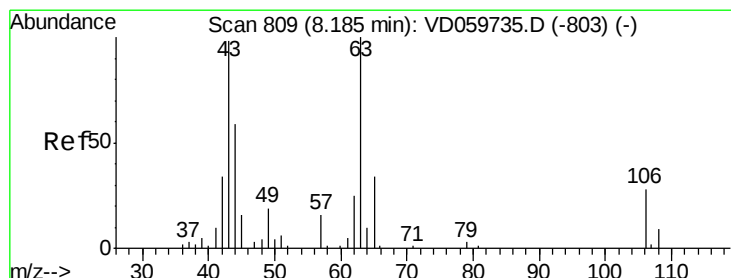
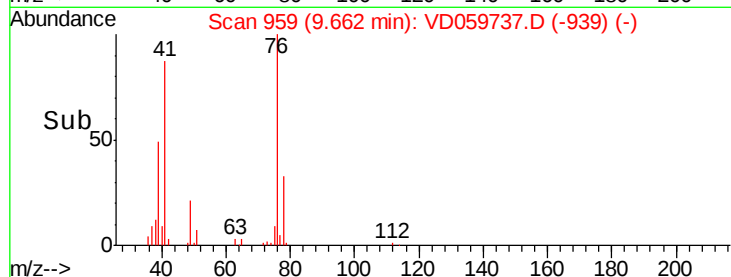
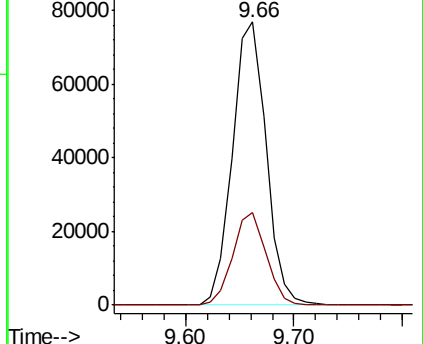
apatel

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 470.75 ug/l

RT: 8.19 min Scan# 809

Delta R.T. 0.00 min

Lab File: VD059737.D

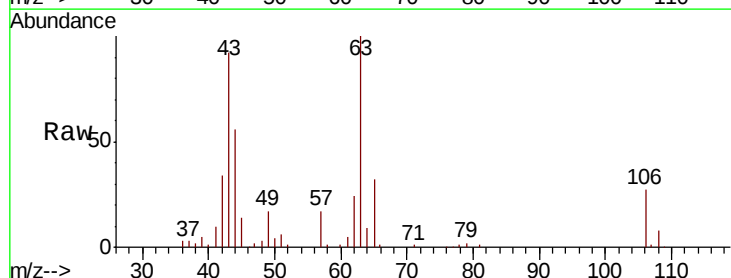
Acq: 10 Aug 2018 19:06

Tgt Ion: 63 Resp: 256863

Ion Ratio Lower Upper

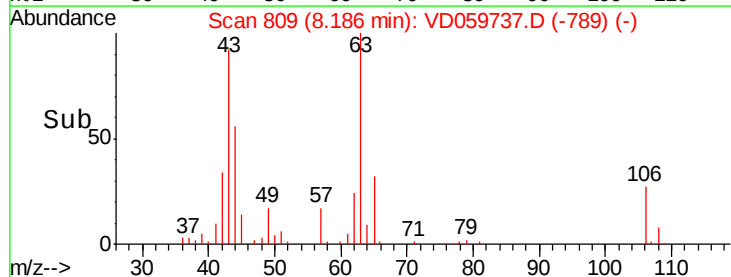
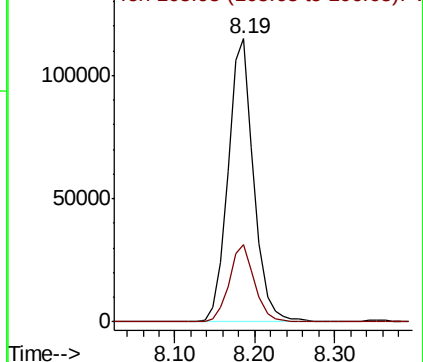
63 100

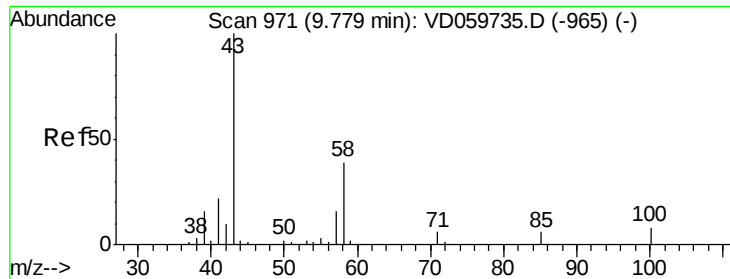
106 27.2 22.2 33.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC





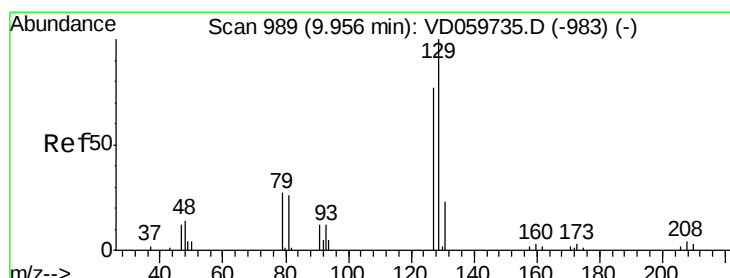
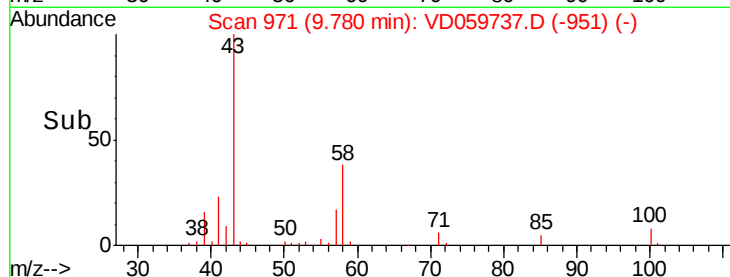
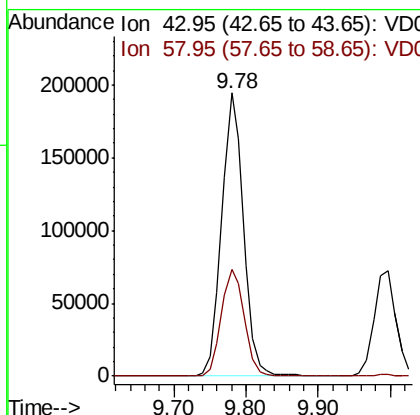
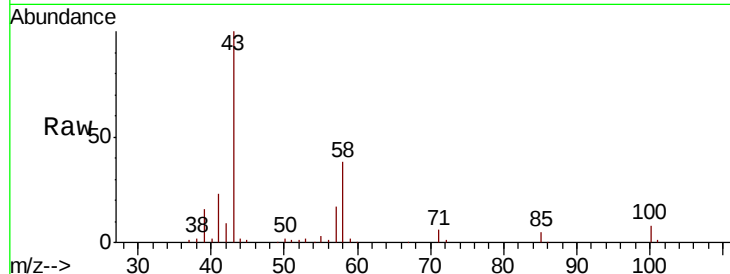
#59
2-Hexanone
Concen: 533.72 ug/l
RT: 9.78 min Scan# 971
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	19.8	59.3

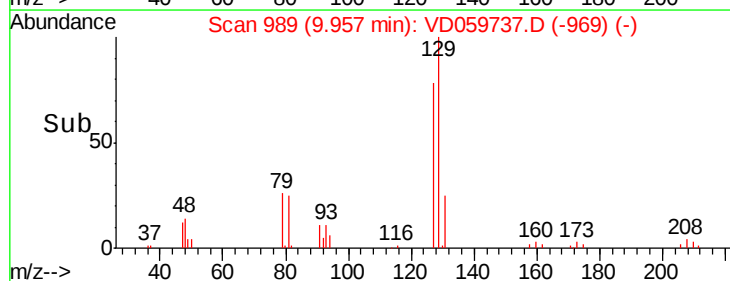
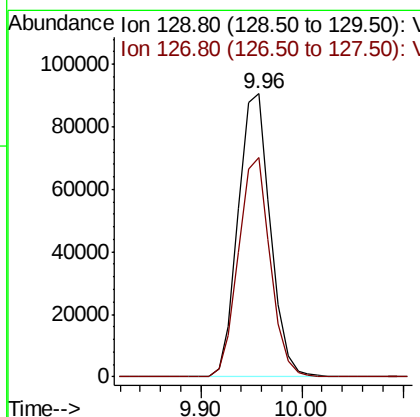
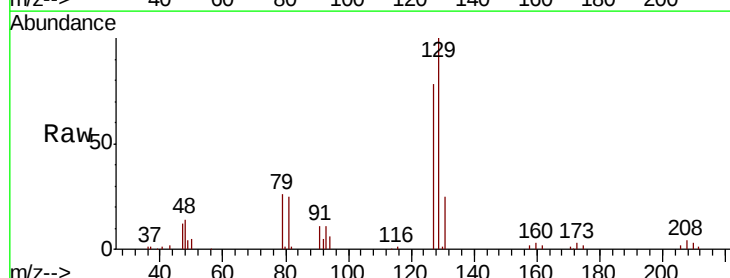
Manual Integrations
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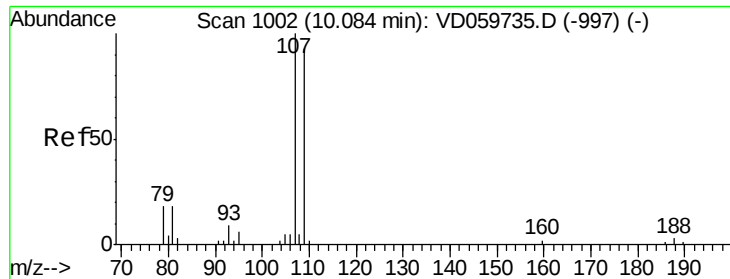
apatel
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#60
Dibromochloromethane
Concen: 119.12 ug/l
RT: 9.96 min Scan# 989
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	115.7





#61

1,2-Dibromoethane

Concen: 109.43 ug/l

RT: 10.08 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 131139

Ion Ratio Lower Upper

107 100

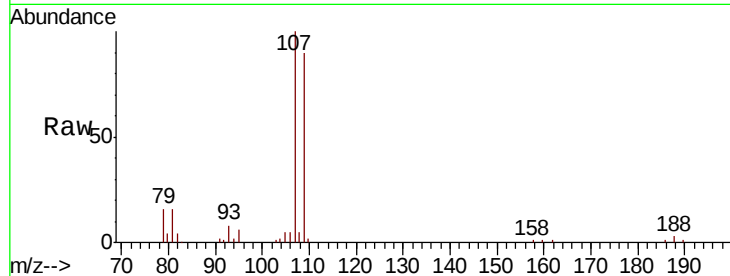
109 90.3 74.3 111.5

Manual Integrations

APPROVED

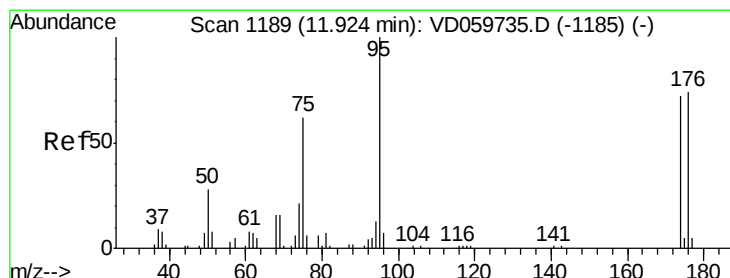
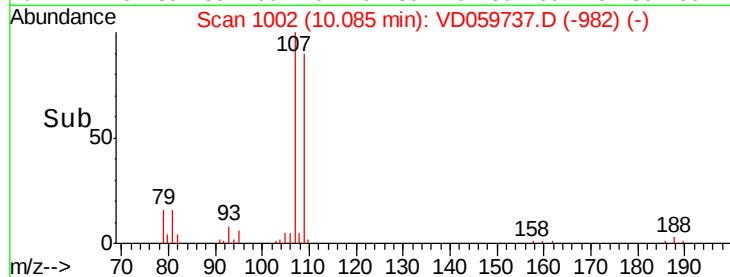
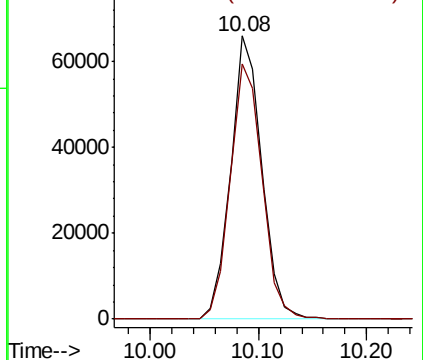
apatel

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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: 109.43 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

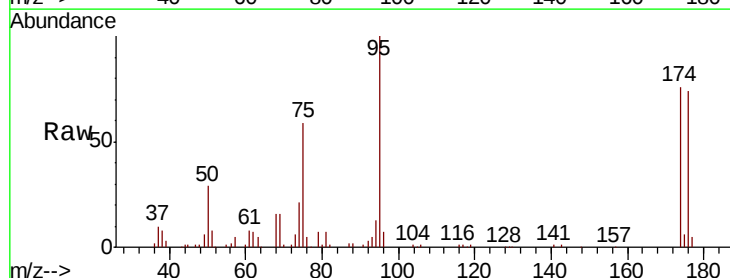
Tgt Ion: 95 Resp: 193900

Ion Ratio Lower Upper

95 100

174 76.4 0.0 143.2

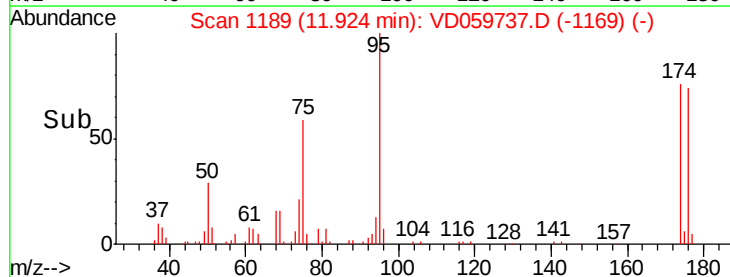
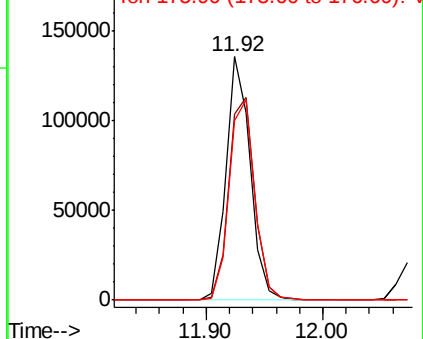
176 73.7 0.0 147.2

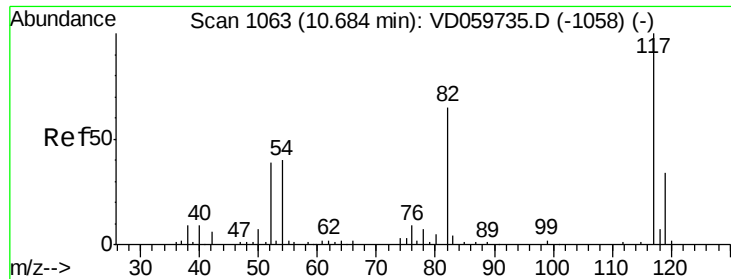


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





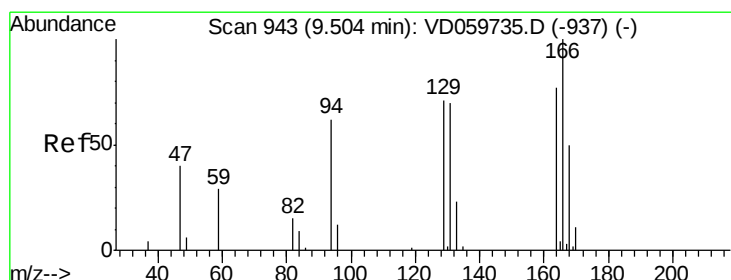
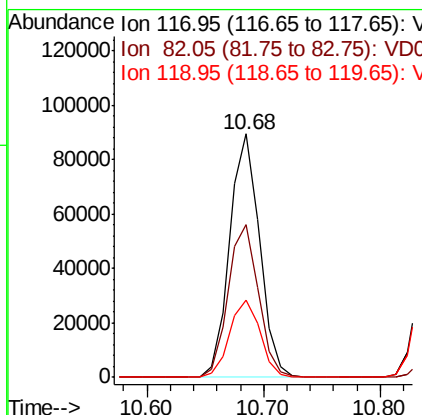
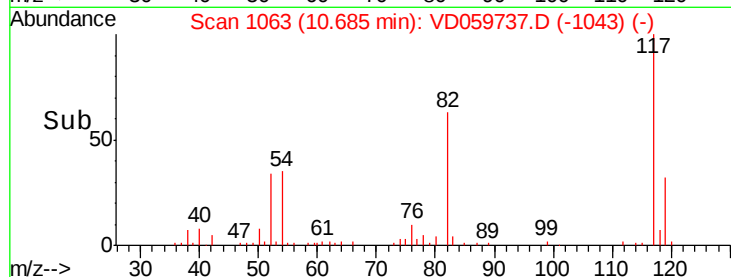
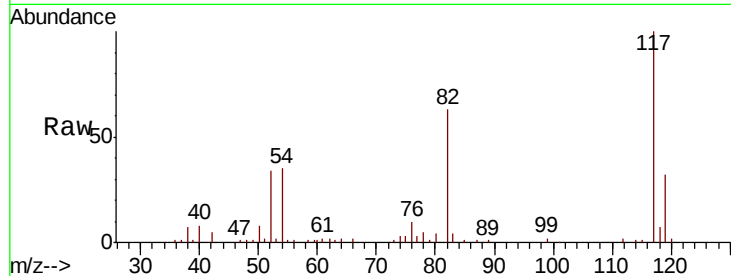
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	159000		
82	62.8	51.9	77.9	
119	31.6	27.4	41.0	

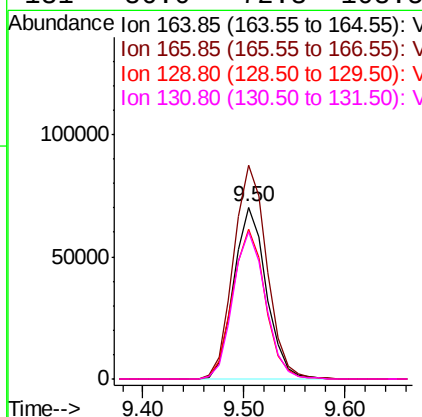
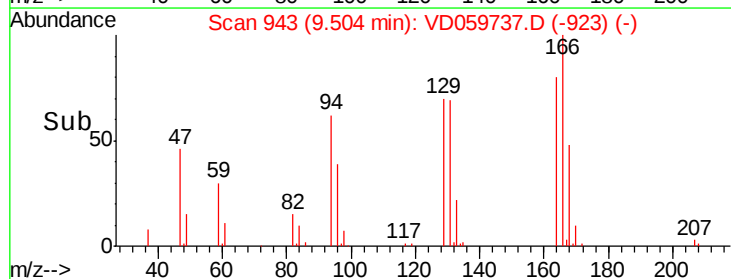
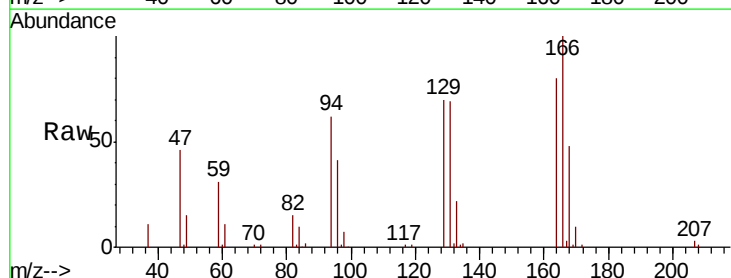
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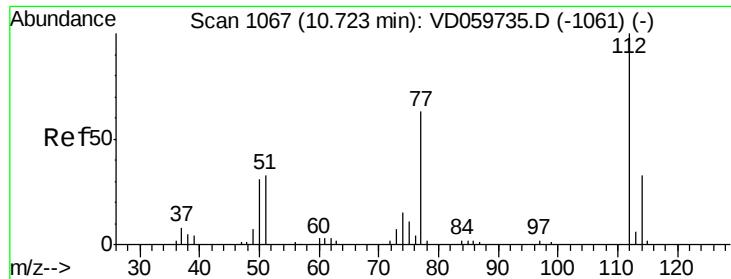
apatel
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#64
Tetrachloroethene
Concen: 104.50 ug/l
RT: 9.50 min Scan# 943
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	157944		
166	124.5	103.5	155.3	
129	87.6	73.5	110.3	
131	86.0	72.3	108.5	





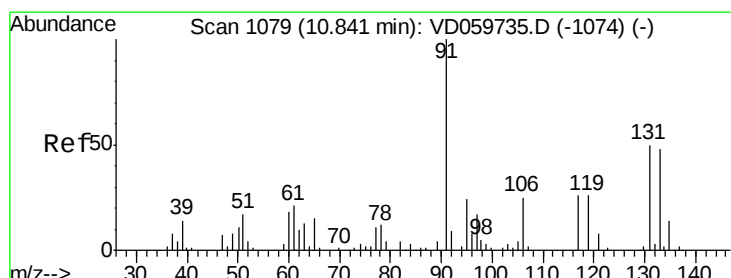
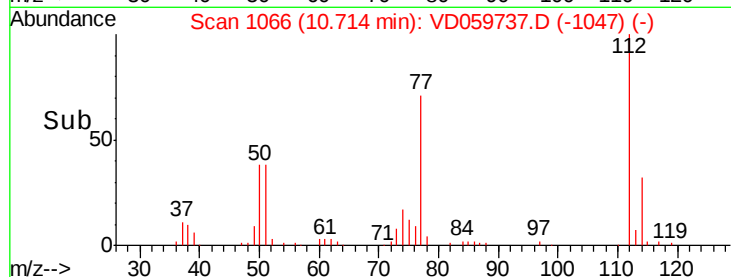
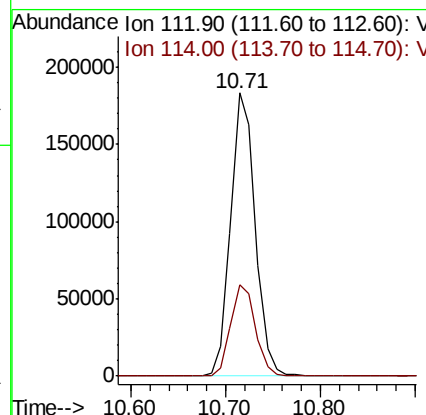
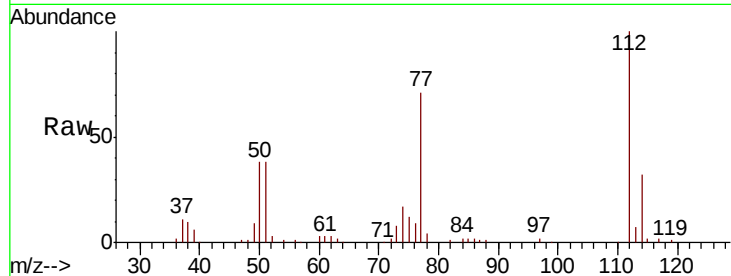
#65
Chlorobenzene
Concen: 98.34 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.4	39.6

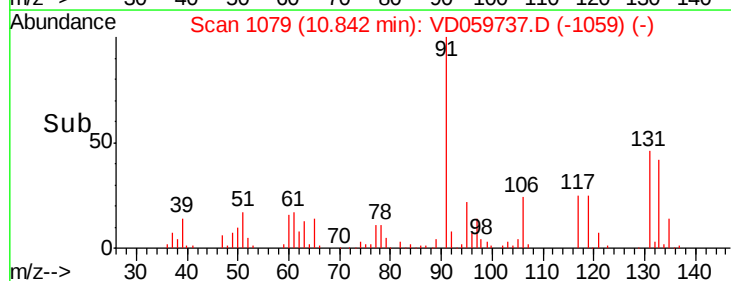
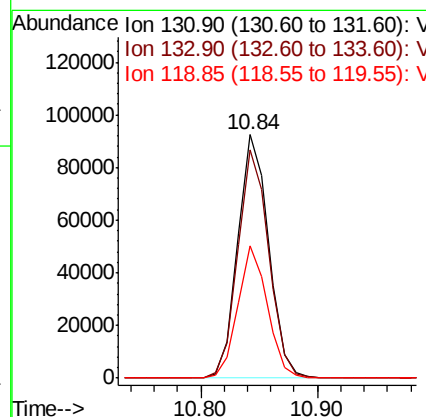
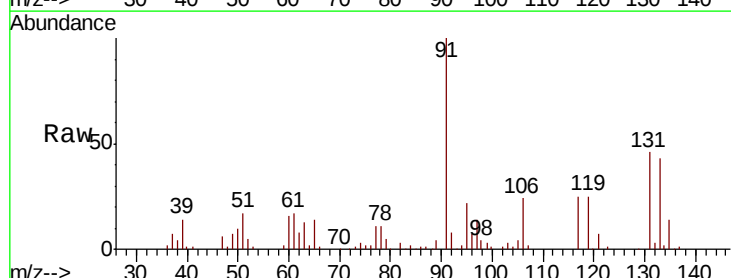
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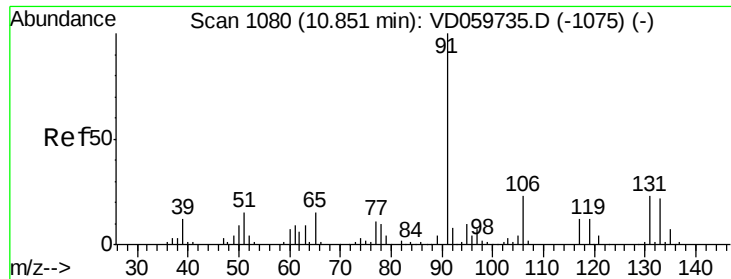
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#66
1,1,1,2-Tetrachloroethane
Concen: 112.12 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	48.1	144.3
119	54.1	26.2	78.5





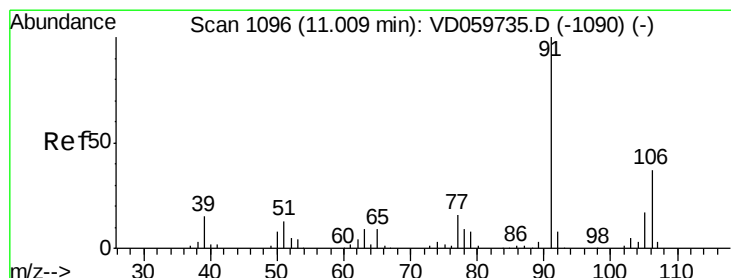
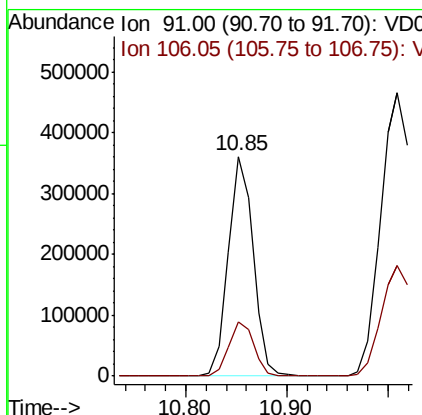
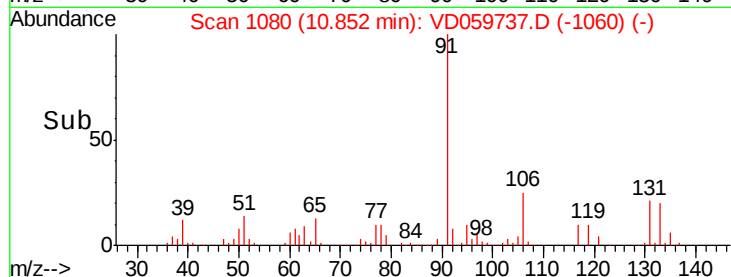
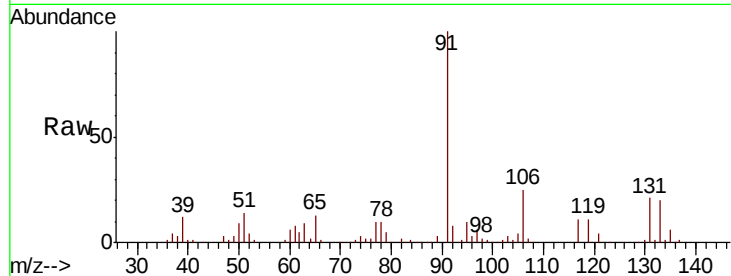
#67
Ethyl Benzene
Concen: 101.89 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 617168
Ion Ratio Lower Upper
91 100
106 24.8 18.8 28.2

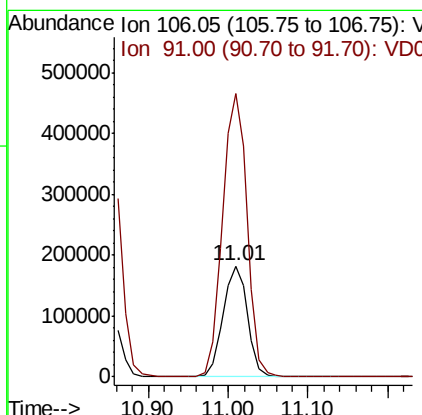
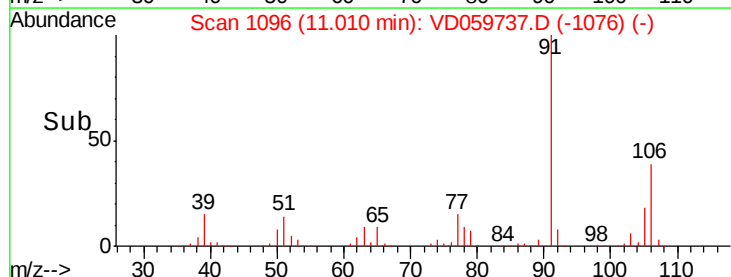
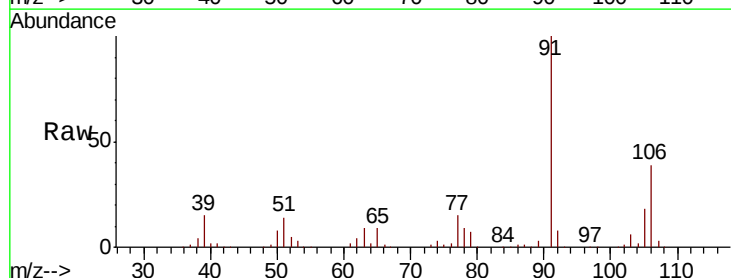
Manual Integrations
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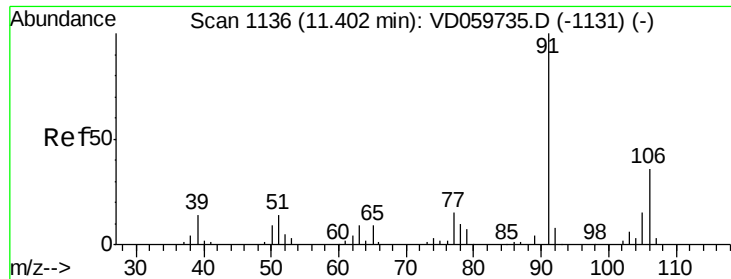
apatel
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#68
m/p-Xylenes
Concen: 204.54 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion: 106 Resp: 392430
Ion Ratio Lower Upper
106 100
91 254.9 213.8 320.8





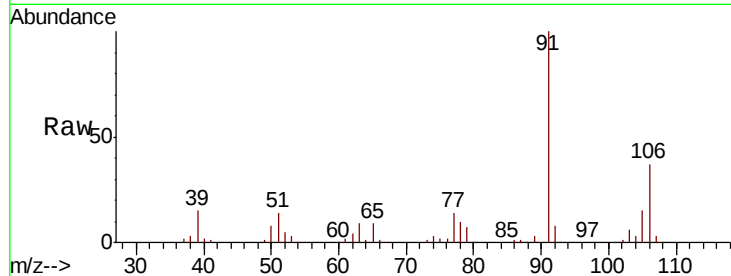
#69
o-Xylene
Concen: 100.05 ug/l
RT: 11.40 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

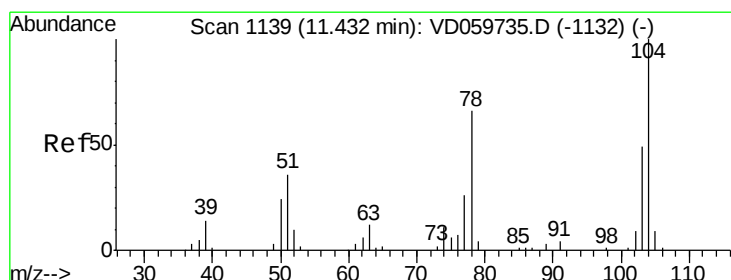
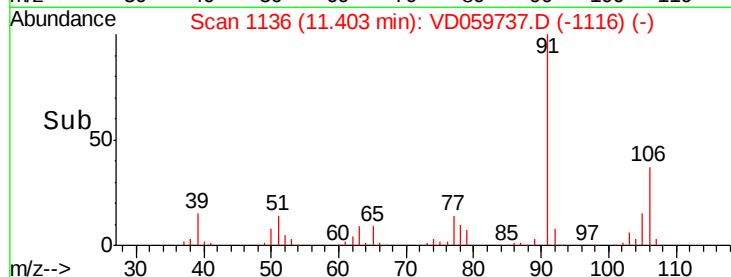
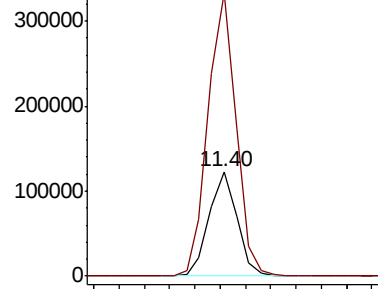
Tot Ion:106 Resp: 187530
Ion Ratio Lower Upper
106 100
91 270.0 139.8 419.4

Manual Integrations
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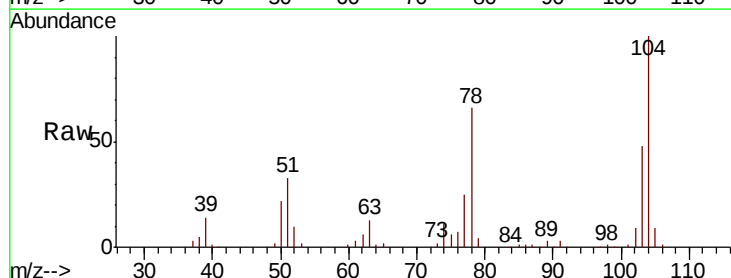


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

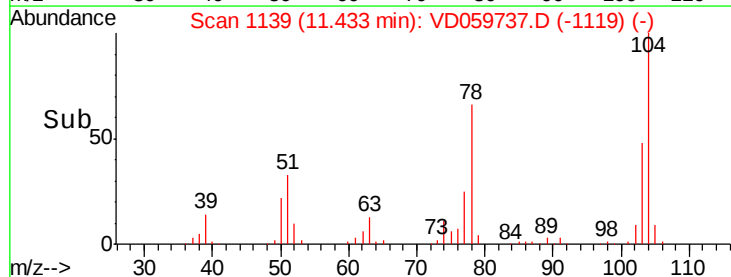
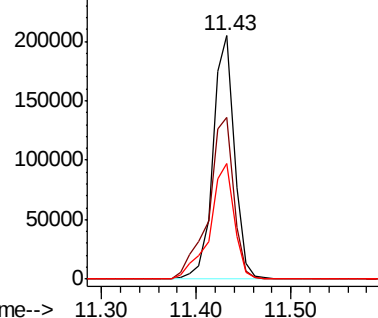


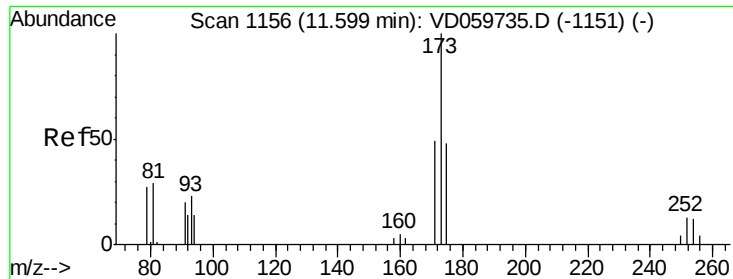
#70
Styrene
Concen: 101.97 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion:104 Resp: 319583
Ion Ratio Lower Upper
104 100
78 66.4 52.8 79.2
103 47.7 39.1 58.7



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





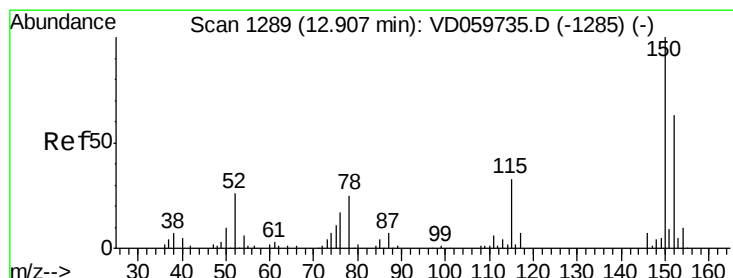
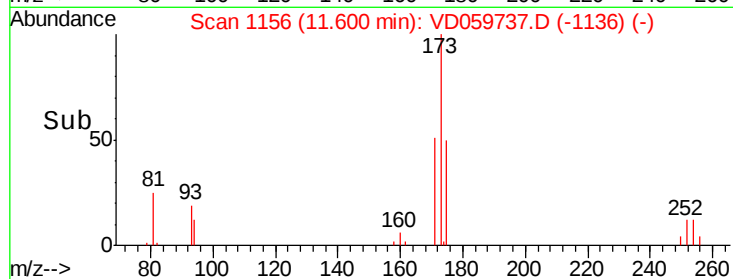
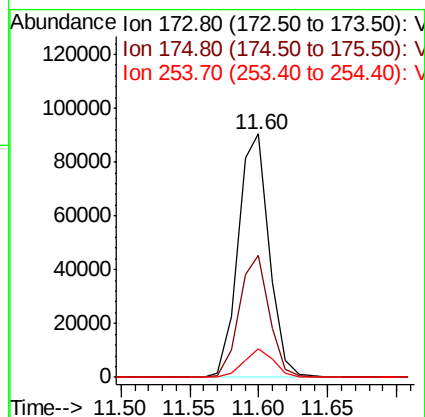
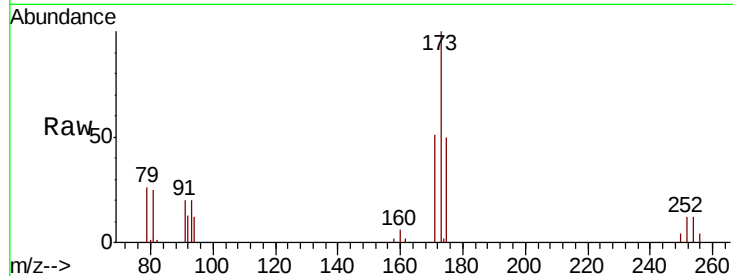
#71
Bromoform
Concen: 123.71 ug/l
RT: 11.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.1	72.2
254	12.0	9.3	13.9

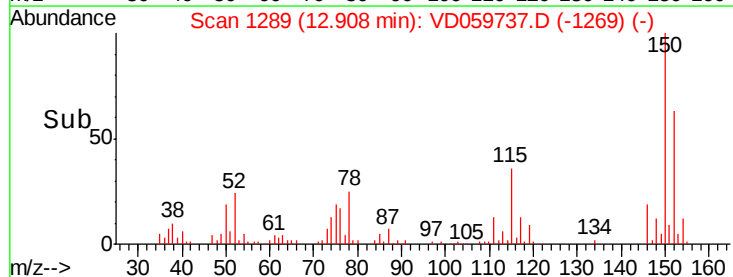
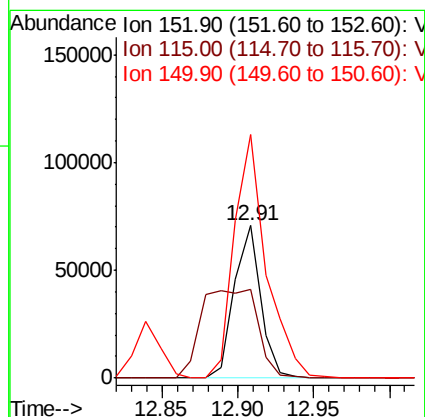
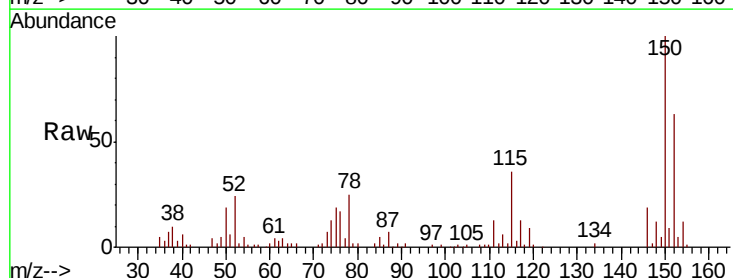
Manual Integrations
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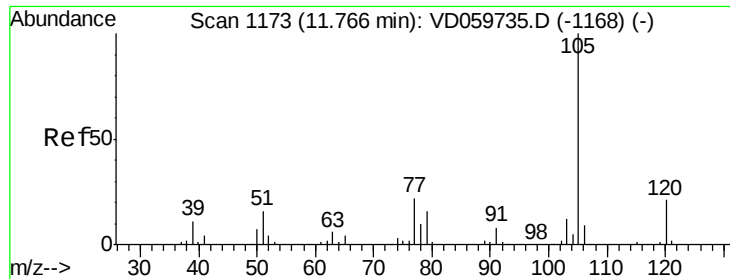
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.8	89.3
150	159.5	0.0	320.4





#73

Isopropylbenzene

Concen: 109.15 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 621663

Ion Ratio Lower Upper

105 100

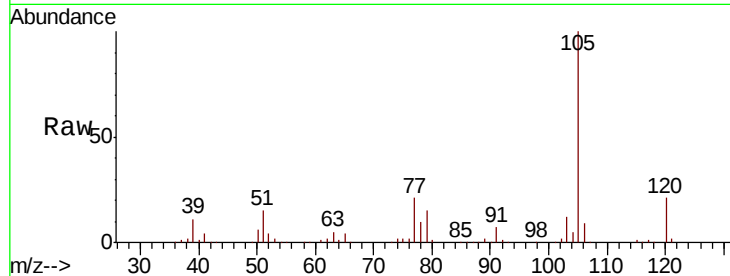
120 20.7 10.3 30.8

Manual Integrations

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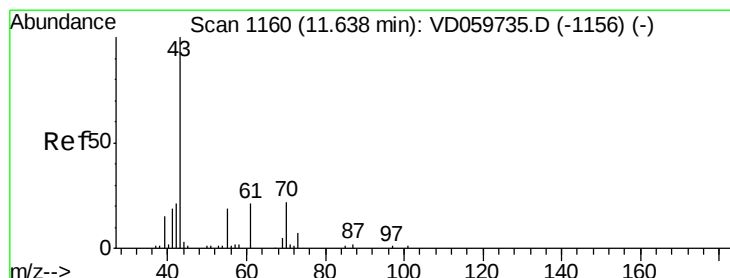
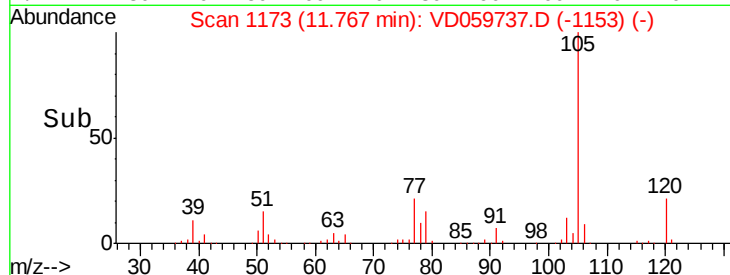
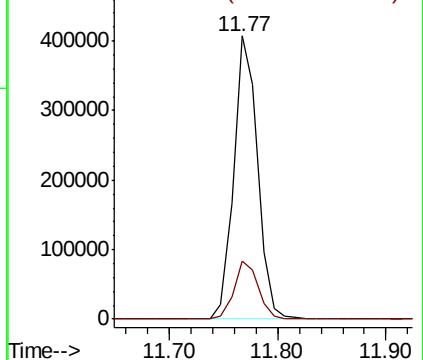
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 103.82 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Tgt Ion: 43 Resp: 186605

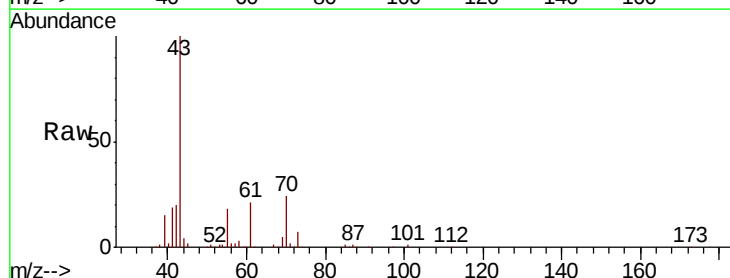
Ion Ratio Lower Upper

43 100

70 24.1 18.0 27.0

55 18.4 14.8 22.2

61 21.3 17.1 25.7

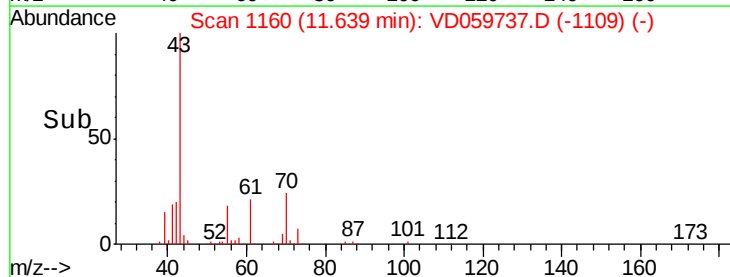
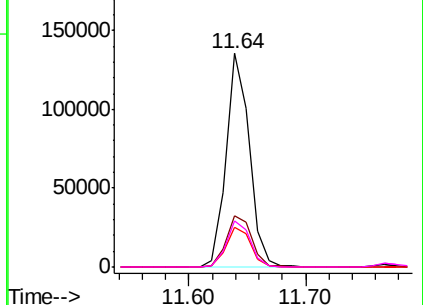


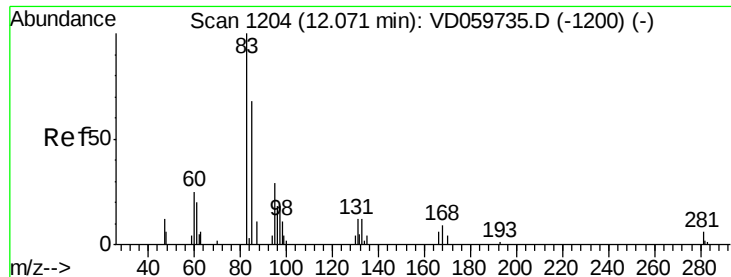
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 98.04 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 111358
Ion Ratio Lower Upper

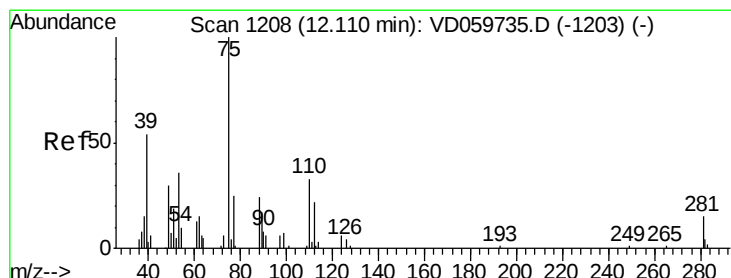
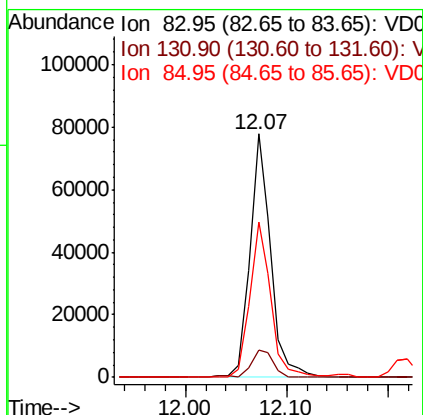
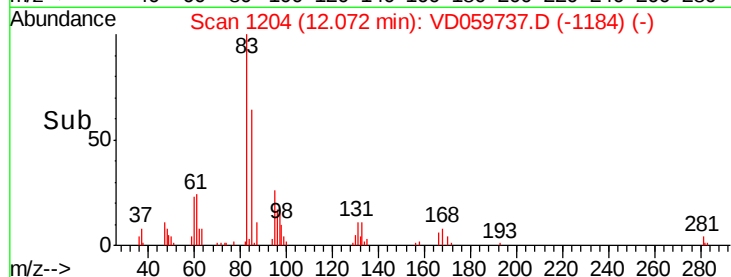
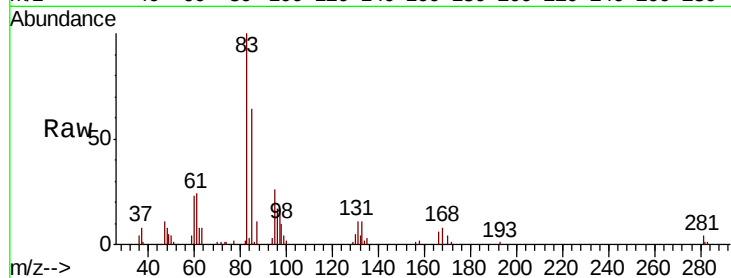
83 100

131 11.3 6.3 19.1

85 64.0 34.2 102.5

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#76

1,2,3-Trichloropropane

Concen: 99.34 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. 0.00 min

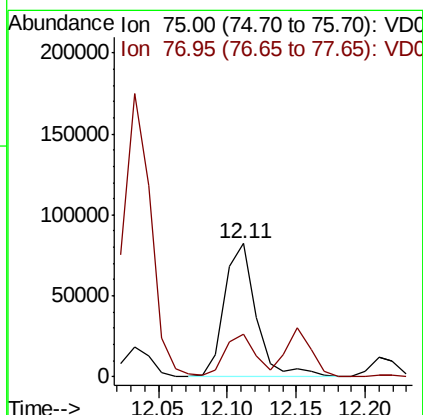
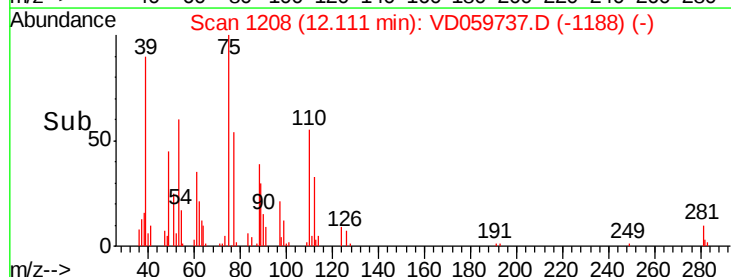
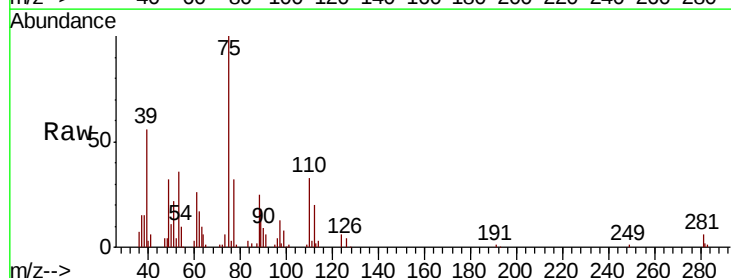
Lab File: VD059737.D

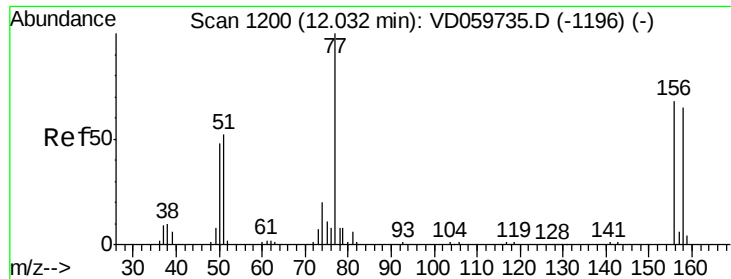
Acq: 10 Aug 2018 19:06

Tgt Ion: 75 Resp: 131186
Ion Ratio Lower Upper

75 100

77 32.4 16.0 48.0





#77

Bromobenzene

Concen: 108.43 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 180470

Ion Ratio Lower Upper

156 100

77 150.5 73.3 219.8

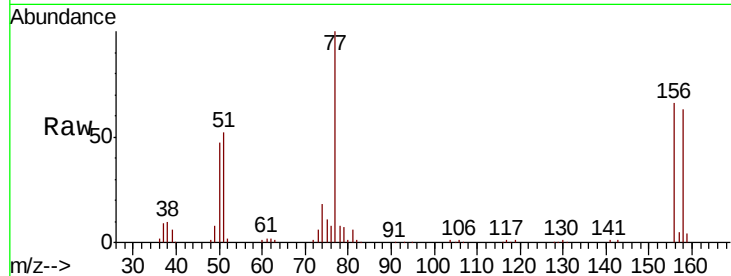
158 95.5 47.5 142.5

Manual Integrations

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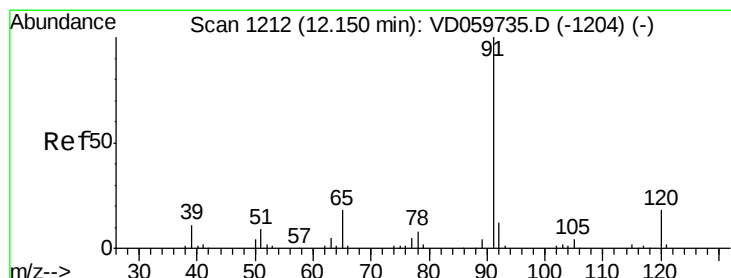
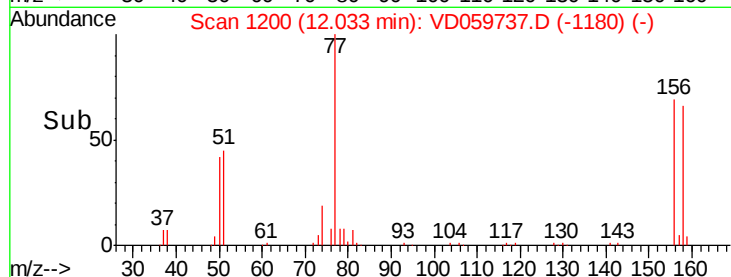
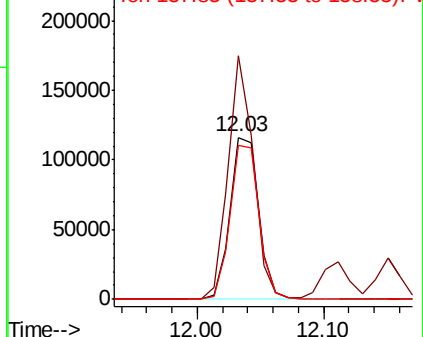
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 104.63 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059737.D

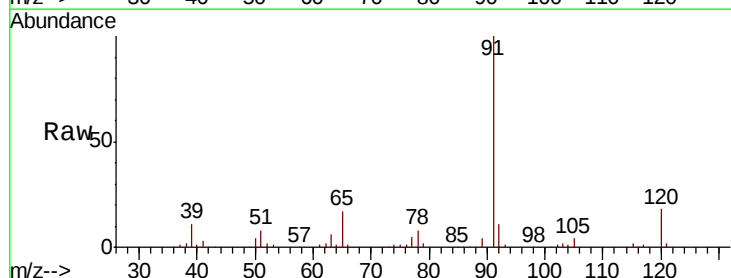
Acq: 10 Aug 2018 19:06

Tgt Ion: 91 Resp: 737543

Ion Ratio Lower Upper

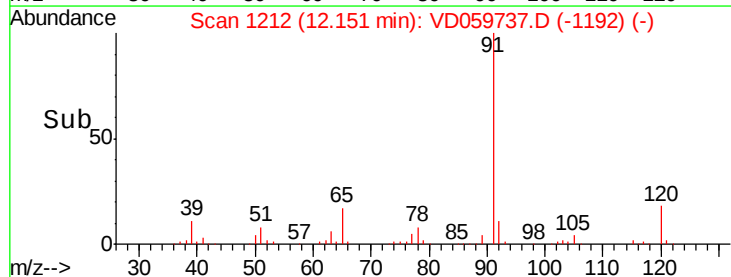
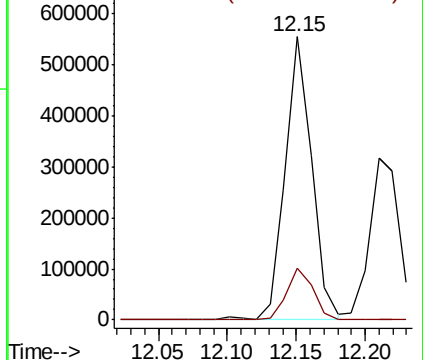
91 100

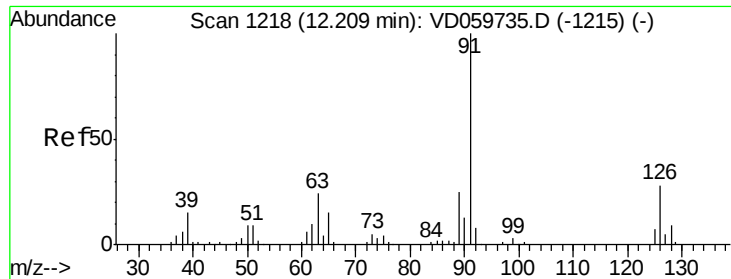
120 18.2 8.9 26.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





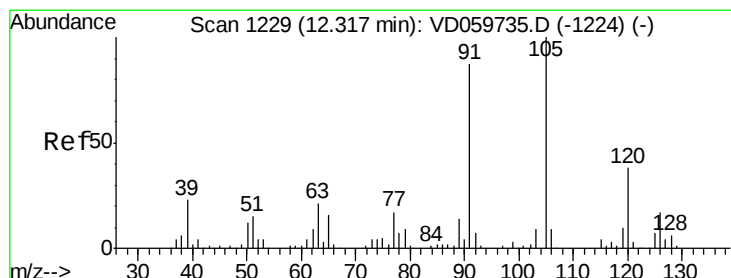
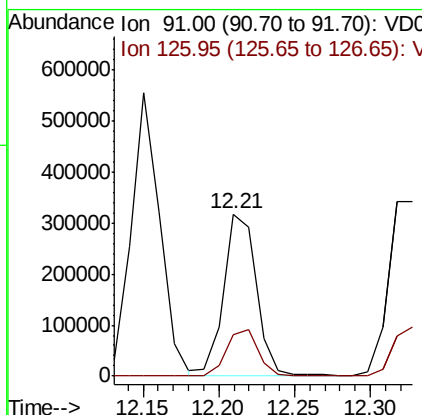
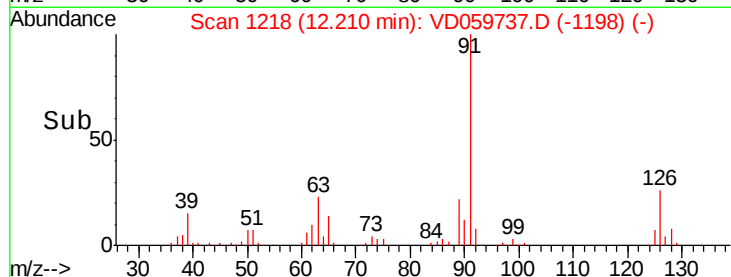
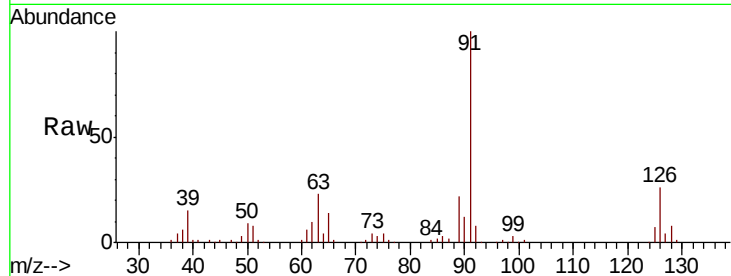
#79
2-Chlorotoluene
Concen: 110.91 ug/l
RT: 12.21 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 91 Resp: 474128
Ion Ratio Lower Upper
91 100
126 25.9 13.3 39.9

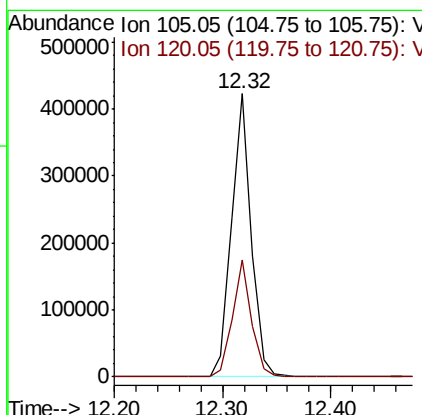
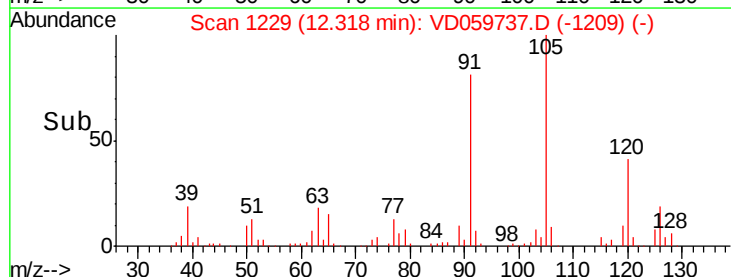
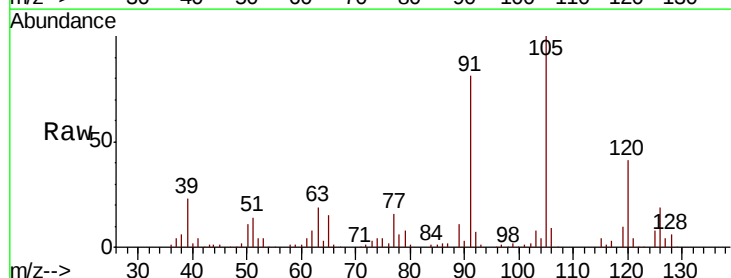
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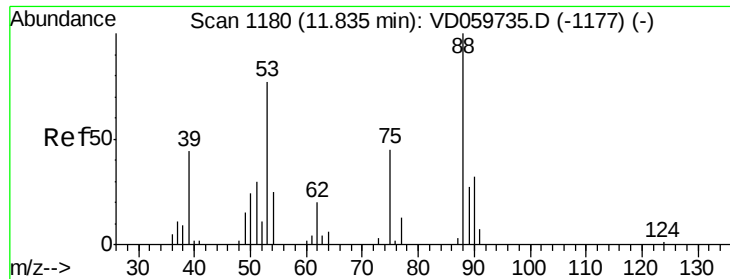
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 112.72 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion: 105 Resp: 537269
Ion Ratio Lower Upper
105 100
120 41.3 19.2 57.6





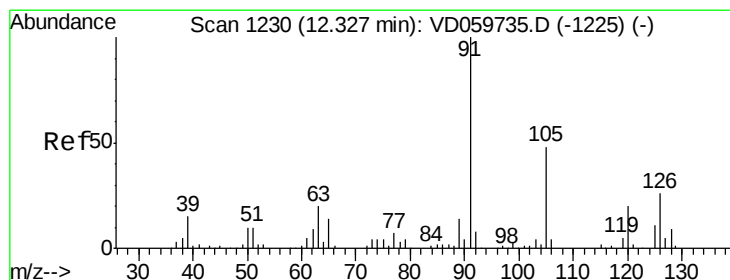
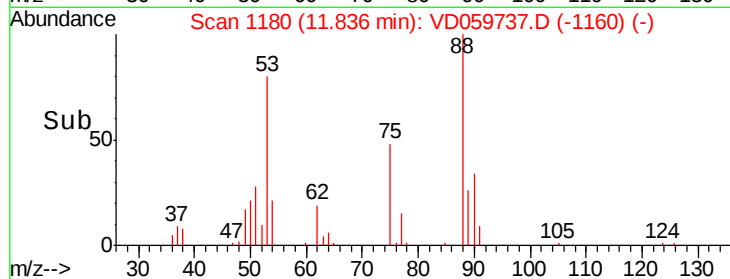
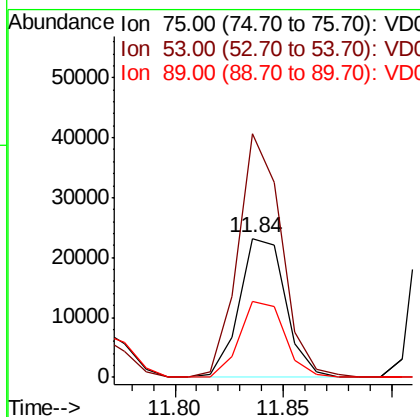
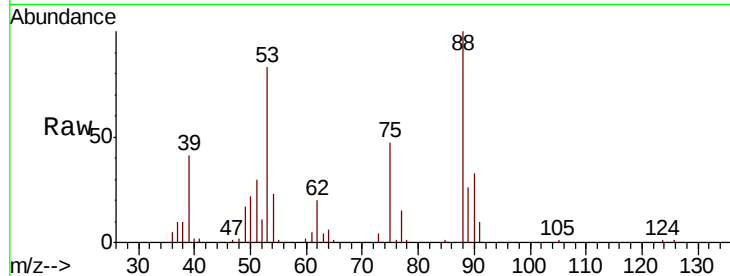
#81
trans-1,4-Dichloro-2-butene
Concen: 111.76 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	175.3	137.5	206.3
89	54.8	48.3	72.5

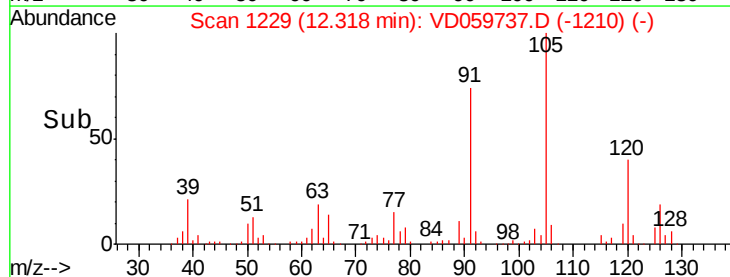
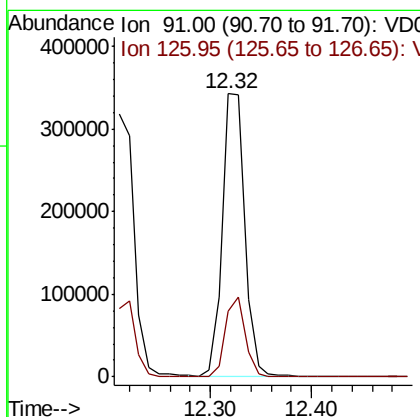
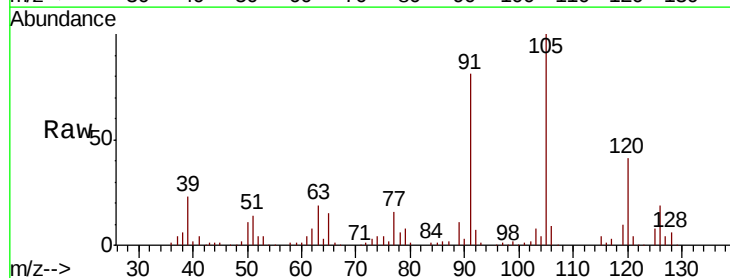
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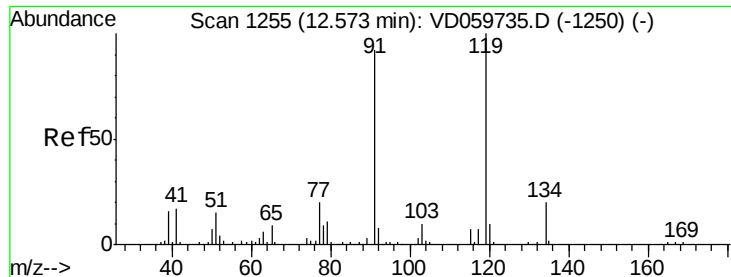
apatel
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#82
4-Chlorotoluene
Concen: 105.86 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	23.2	12.8	38.3





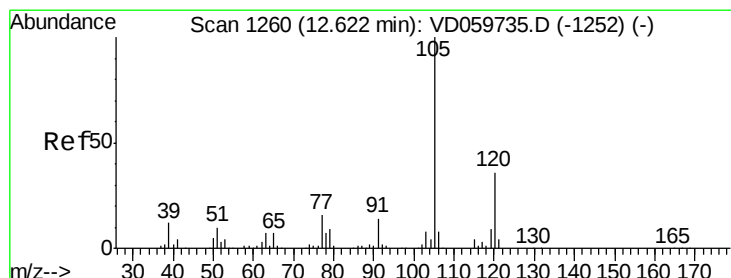
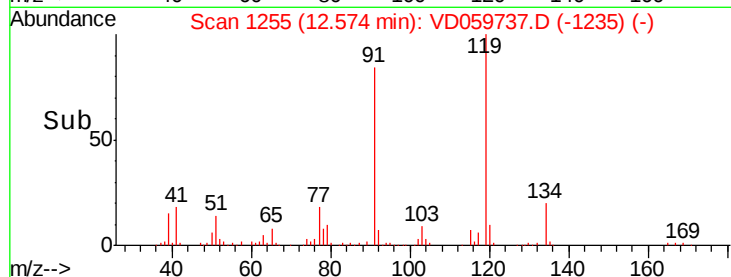
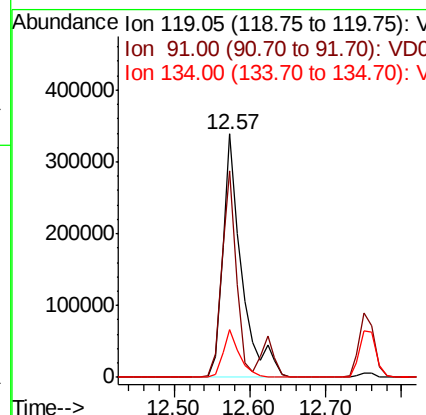
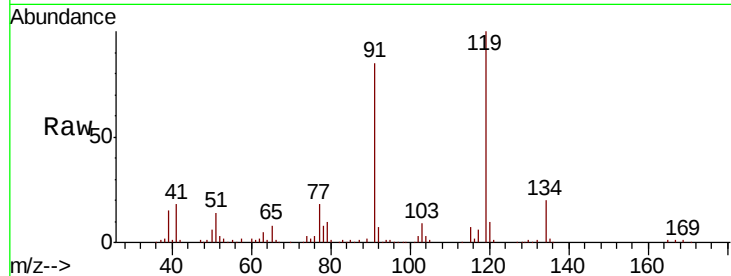
#83
 tert-Butylbenzene
 Concen: 111.99 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	593543		
91	84.8	46.1	138.2	
134	19.6	9.9	29.7	

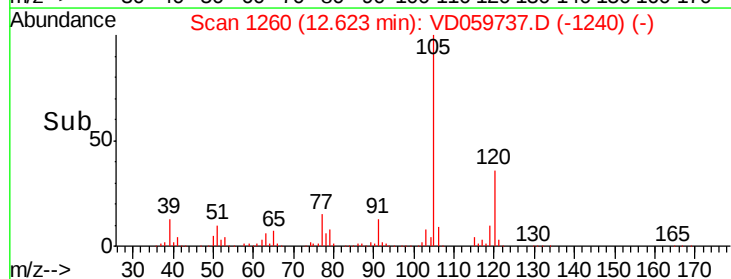
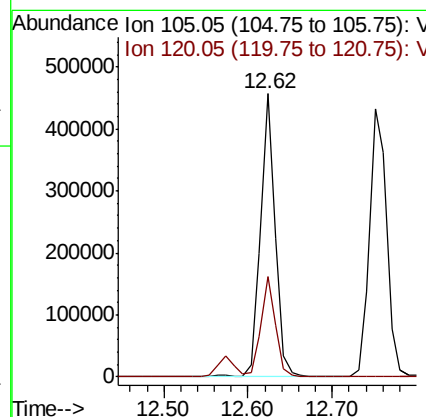
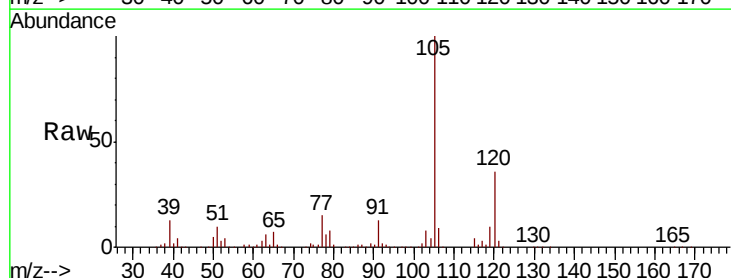
Manual Integrations
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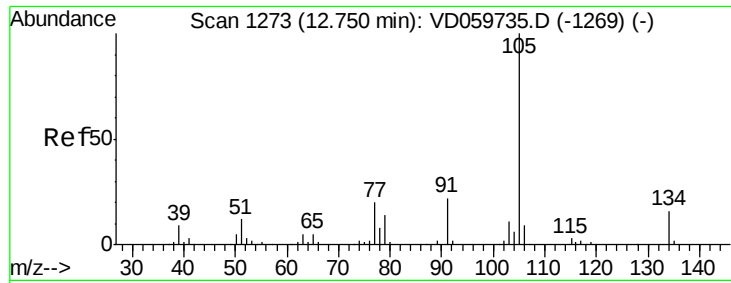
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 111.42 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	563898		
120	35.7	17.9	53.7	





#85

sec-Butylbenzene

Concen: 103.43 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 609815

Ion Ratio Lower Upper

105 100

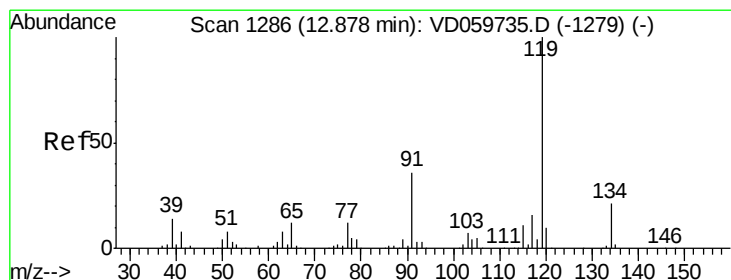
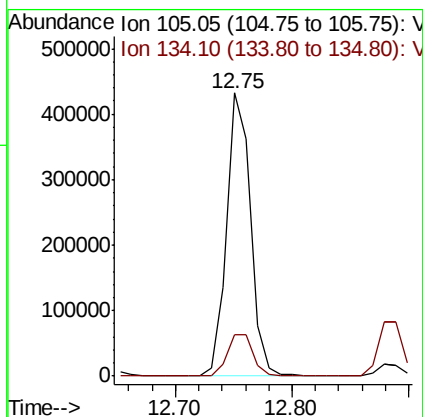
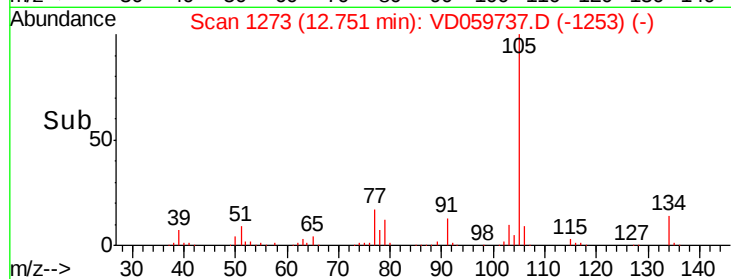
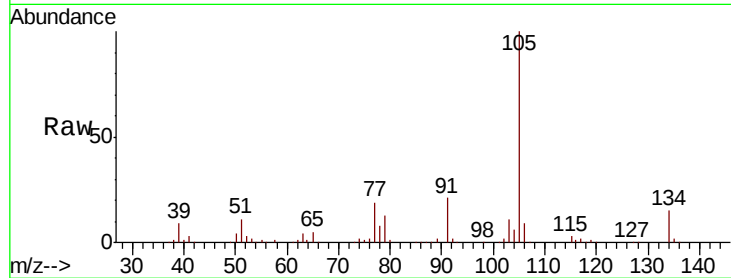
134 14.9 7.8 23.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 110.83 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VD059737.D

Acq: 10 Aug 2018 19:06

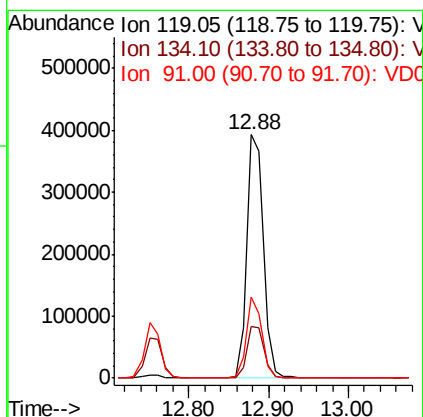
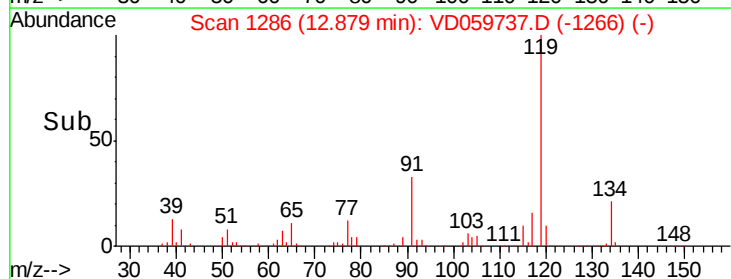
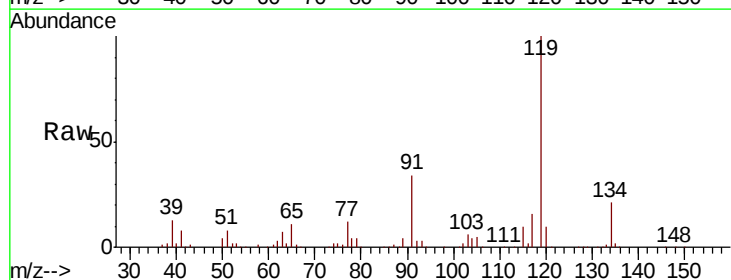
Tgt Ion:119 Resp: 558169

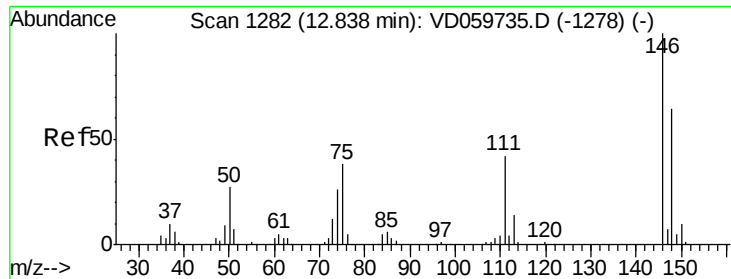
Ion Ratio Lower Upper

119 100

134 21.2 10.5 31.6

91 33.5 17.9 53.7





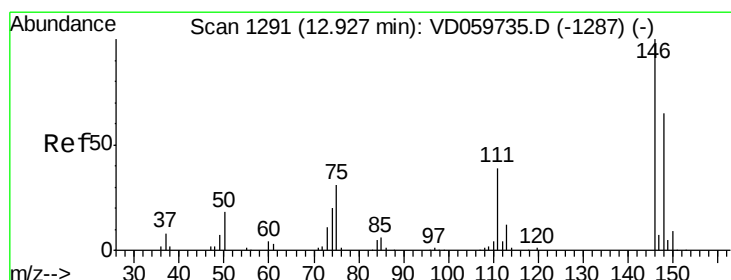
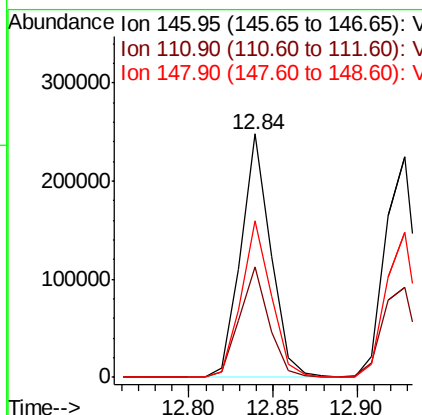
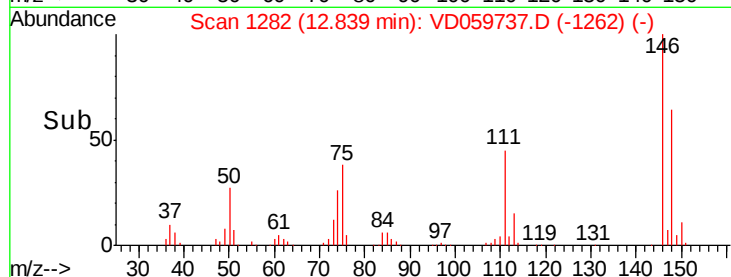
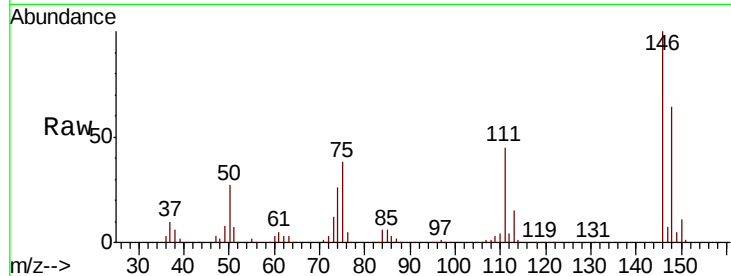
#87
 1,3-Dichlorobenzene
 Concen: 105.61 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.1	63.3
148	64.3	32.2	96.6

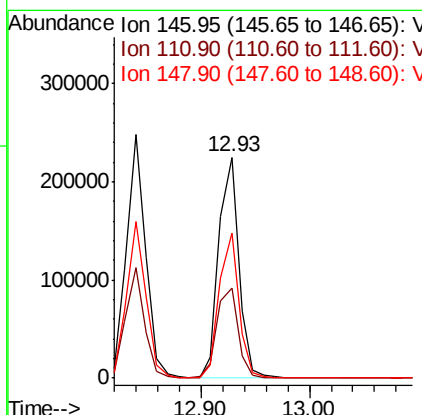
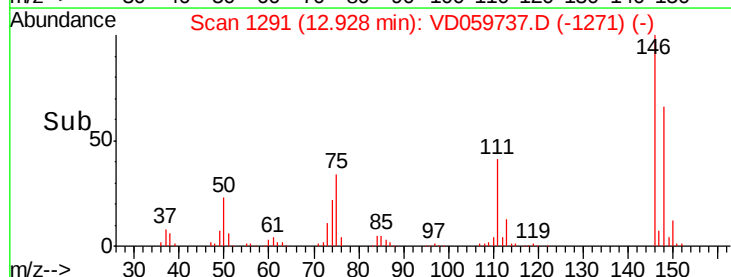
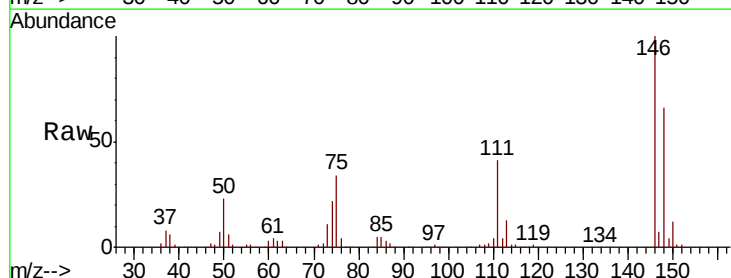
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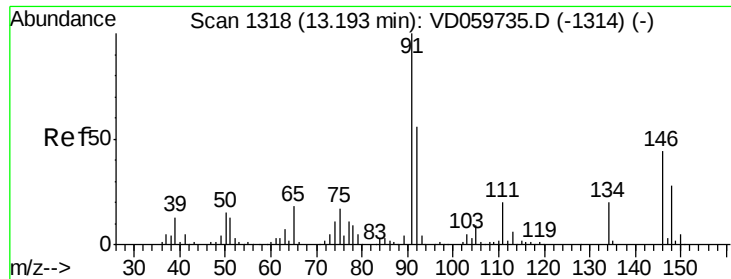
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#88
 1,4-Dichlorobenzene
 Concen: 102.12 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.7	59.0
148	65.5	32.4	97.2





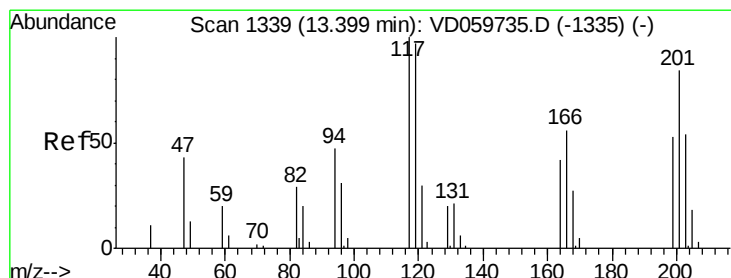
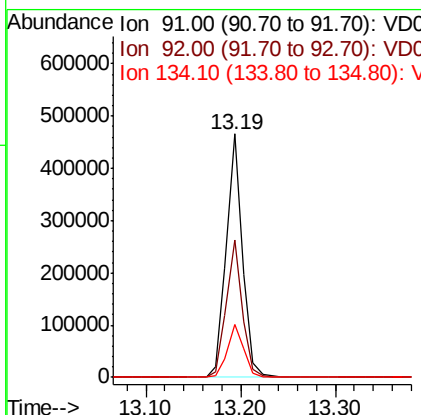
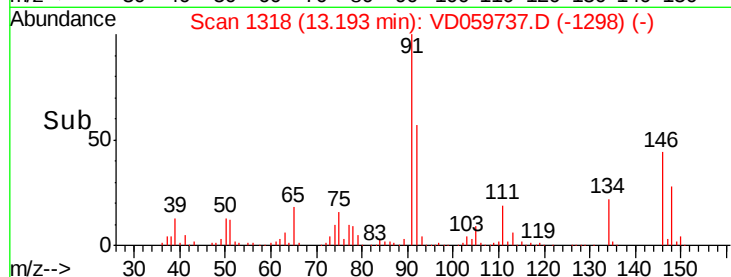
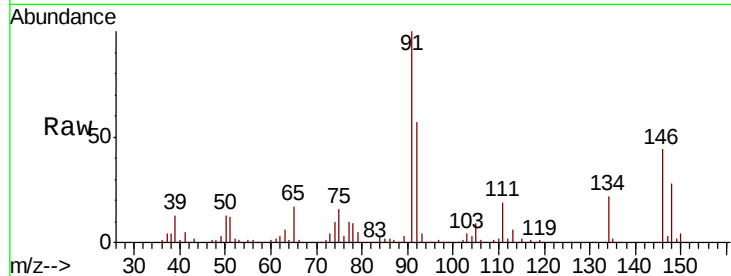
#89
n-Butylbenzene
Concen: 108.94 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.5	28.1	84.4
134	21.8	10.3	30.8

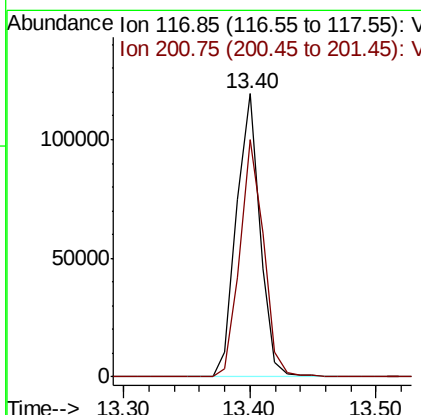
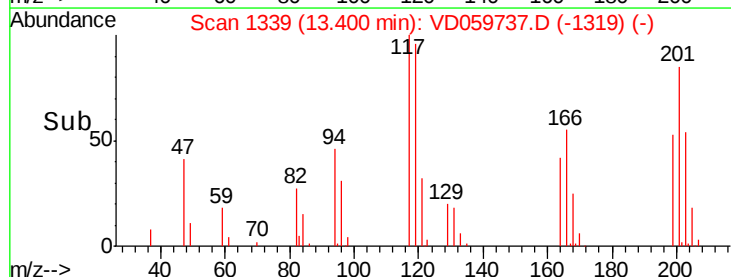
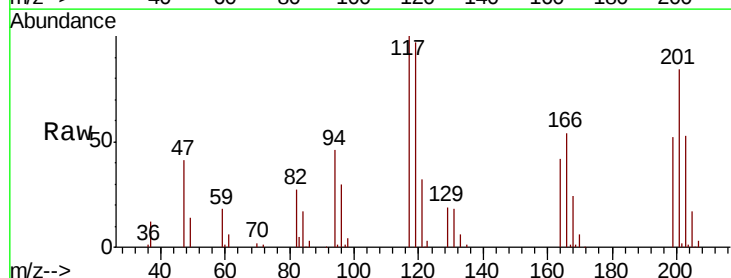
Manual Integrations
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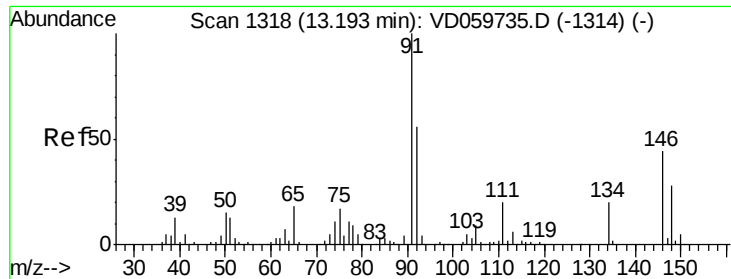
apatel
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#90
Hexachloroethane
Concen: 116.38 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	41.9	125.7





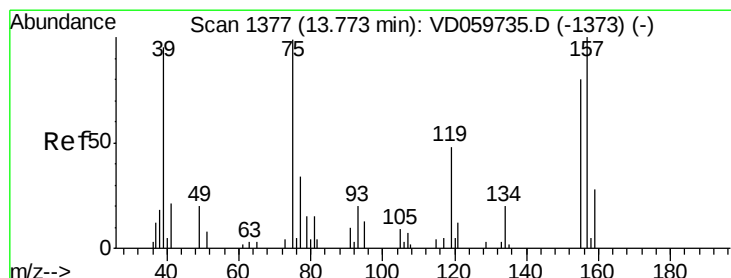
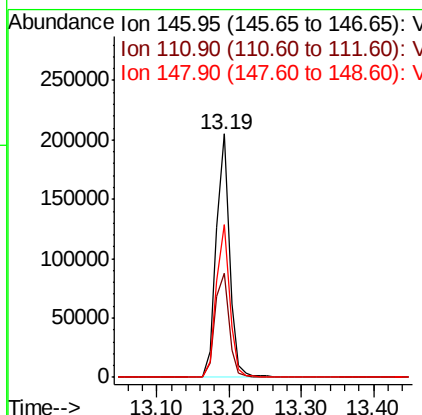
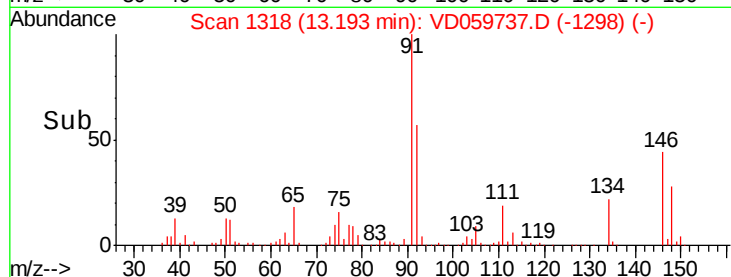
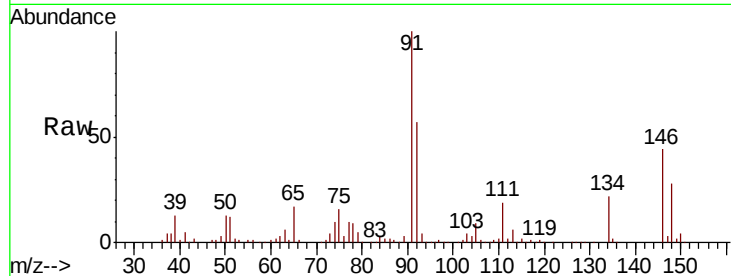
#91
 1,2-Dichlorobenzene
 Concen: 106.88 ug/l
 RT: 13.19 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.9	68.5
148	62.7	31.8	95.4

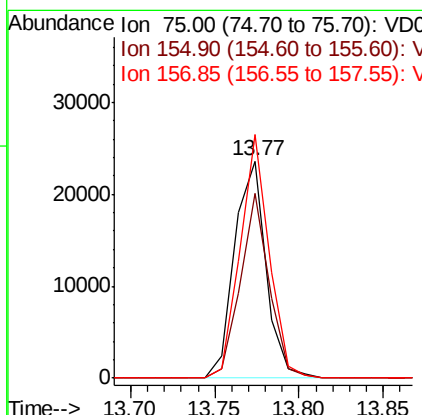
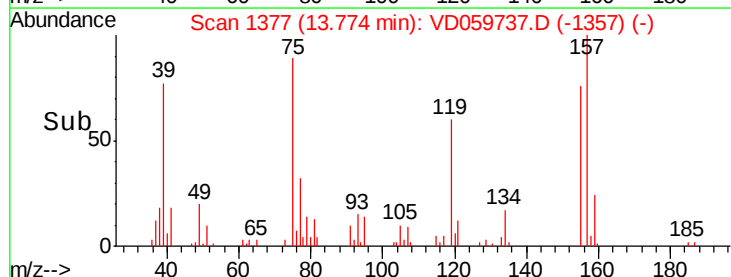
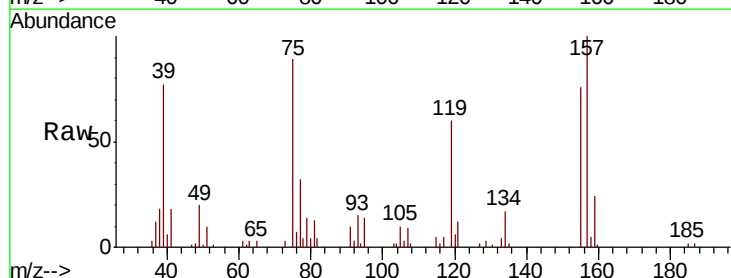
Manual Integrations
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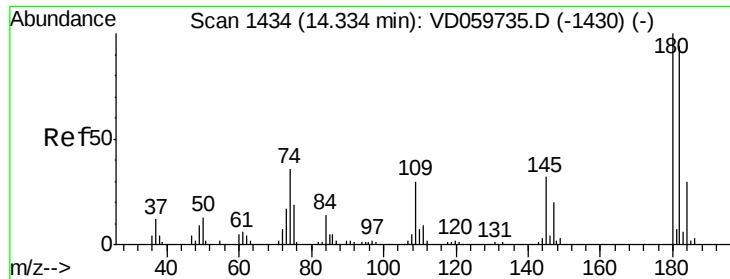
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 126.88 ug/l
 RT: 13.77 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	40.4	121.1
157	112.1	50.5	151.6





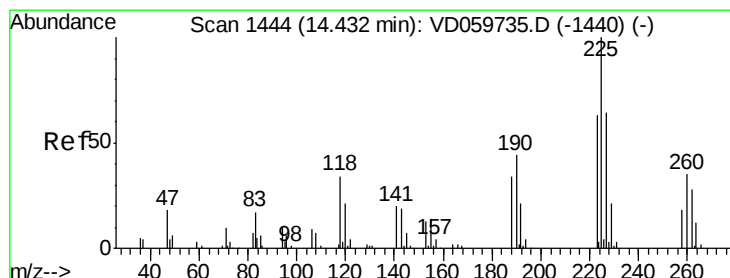
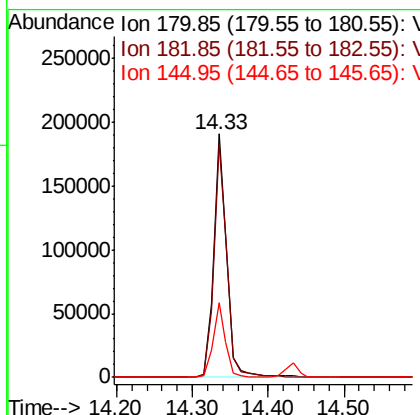
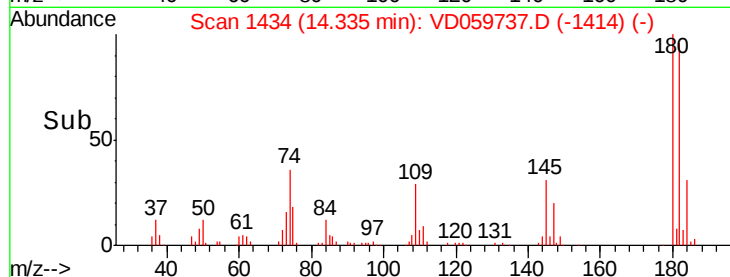
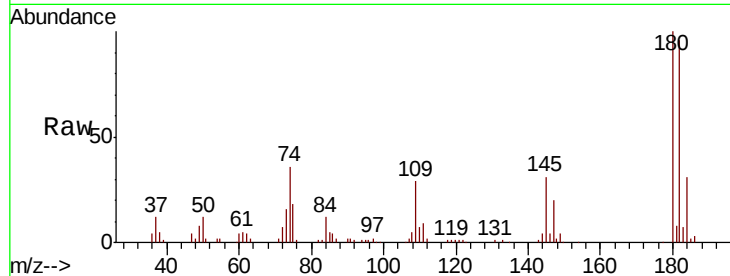
#93
 1,2,4-Trichlorobenzene
 Concen: 106.19 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	234190		
182	96.1	47.1	141.4	
145	30.6	15.8	47.3	

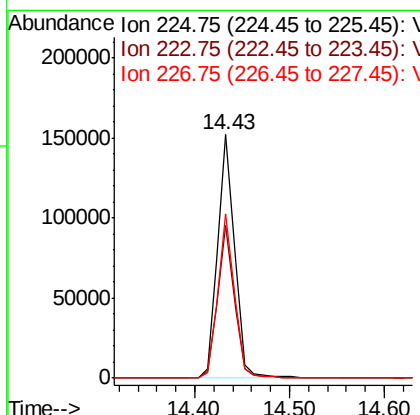
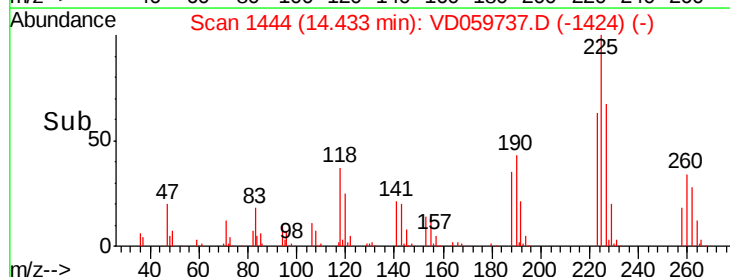
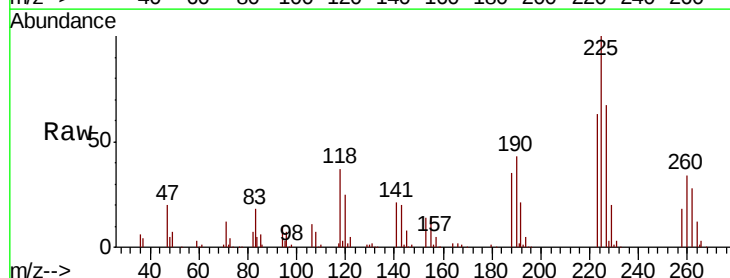
Manual Integrations
 APPROVED

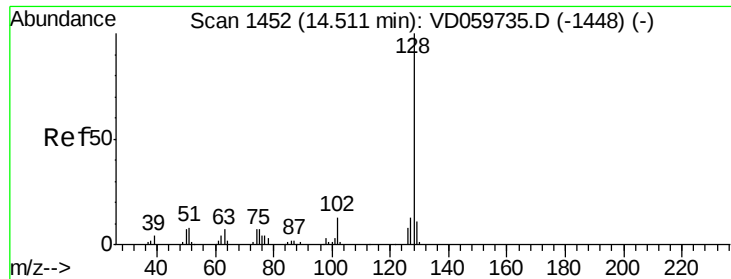
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#94
 Hexachlorobutadiene
 Concen: 110.16 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059737.D
 Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	189563		
223	62.7	31.5	94.5	
227	67.3	32.1	96.3	





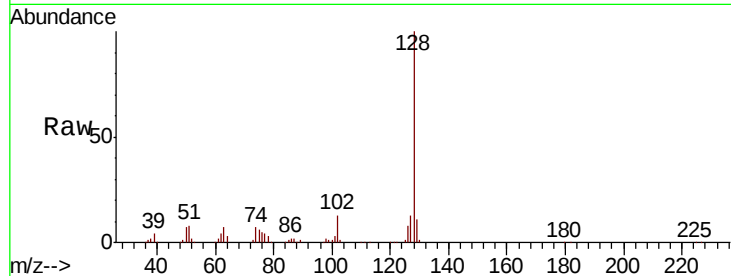
#95
Naphthalene
Concen: 102.21 ug/l
RT: 14.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

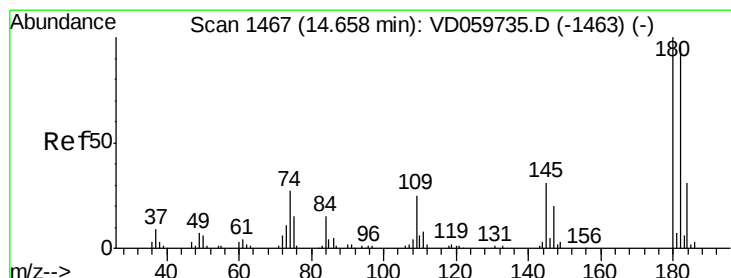
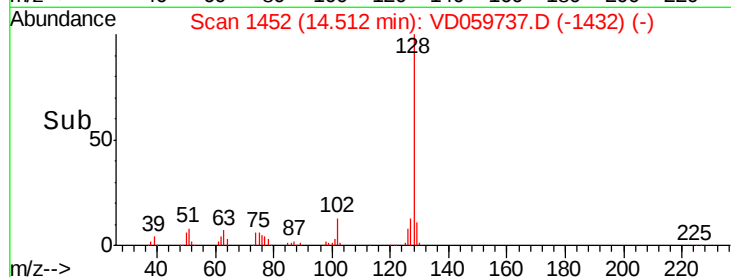
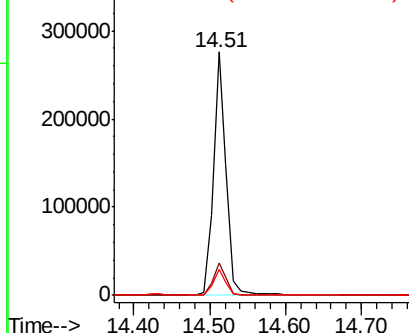
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.6	8.9	13.3

Manual Integrations
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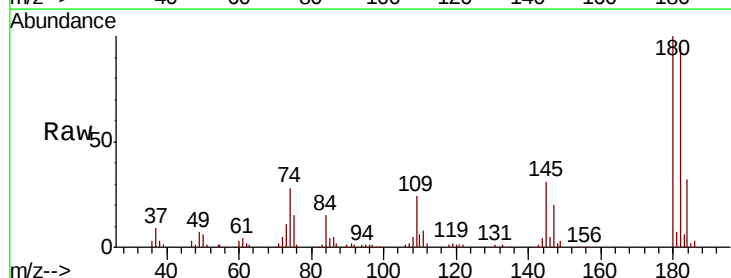


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 110.96 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VD059737.D
Acq: 10 Aug 2018 19:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.1	144.4
145	30.6	15.4	46.4



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

