

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082118\
 Data File : VD059855.D
 Acq On : 21 Aug 2018 14:57
 Operator : JC/SY
 Sample : J4511-10MS
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 RA-081518-FL-031MS

Manual Integrations
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 8/22/2018 12:42:45 PM

Quant Time: Aug 22 01:31:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	977488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1387627	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1010623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	427989	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.98	65	378882	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	5.51	113	520866	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
50) Toluene-d8	8.67	98	1348098	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.91	95	479761	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.32	85	439710	52.23	ug/l	100
3) Chloromethane	1.46	50	335845	47.09	ug/l	100
4) Vinyl Chloride	1.53	62	286781	50.17	ug/l	98
5) Bromomethane	1.77	94	59553	79.29	ug/l	90
6) Chloroethane	1.85	64	92399	71.45	ug/l	97
7) Trichlorofluoromethane	2.06	101	335104	58.24	ug/l	98
8) Diethyl Ether	2.32	74	66655	51.82	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.52	101	191646	52.37	ug/l	99
10) Methyl Iodide	2.66	142	213504	50.60	ug/l	97
11) Tert butyl alcohol	3.21	59	70418	243.50	ug/l #	91
12) 1,1-Dichloroethene	2.51	96	150606	59.17	ug/l	90
13) Acrolein	2.44	56	39135	132.64	ug/l	99
14) Allyl chloride	2.89	41	374989	49.00	ug/l	98
15) Acrylonitrile	3.31	53	280008	209.19	ug/l	99
16) Acetone	2.57	43	528355	402.95	ug/l	96
17) Carbon Disulfide	2.72	76	491271	50.79	ug/l	99
18) Methyl Acetate	2.90	43	170394	64.93	ug/l	99
19) Methyl tert-butyl Ether	3.36	73	807531	47.74	ug/l	99
20) Methylene Chloride	3.03	84	167318	51.45	ug/l	98
21) trans-1,2-Dichloroethene	3.35	96	379058	46.88	ug/l	95
22) Diisopropyl ether	4.02	45	2062080	52.75	ug/l	95
23) Vinyl Acetate	3.97	43	4446043	211.72	ug/l	100
24) 1,1-Dichloroethane	3.92	63	888847	51.70	ug/l	99
25) 2-Butanone	4.79	43	1129348	284.95	ug/l	100
26) 1,2-Dichloropropane	4.75	77	678199	50.28	ug/l	99
27) cis-1,2-Dichloroethene	4.76	96	524963	51.31	ug/l	98
28) Bromochloromethane	5.10	49	415638	47.71	ug/l	99
29) Tetrahydrofuran	5.14	42	471738	235.08	ug/l	100
30) Chloroform	5.28	83	884848	52.15	ug/l	99
31) Cyclohexane	5.55	56	669307	46.67	ug/l	98
32) 1,1,1-Trichloroethane	5.47	97	732228	51.22	ug/l	99
36) 1,1-Dichloropropene	5.70	75	592832	50.38	ug/l	99
37) Ethyl Acetate	4.88	43	392162	44.95	ug/l	100
38) Carbon Tetrachloride	5.68	117	586355	49.92	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	551216	43.79	ug/l	95
40) Benzene	5.97	78	1660937	54.48	ug/l	100
41) Methacrylonitrile	5.08	41	197193	44.12	ug/l	97
42) 1,2-Dichloroethane	6.09	62	491970	49.55	ug/l	99
43) Isopropyl Acetate	7.58	43	515025	42.68	ug/l	95
44) Trichloroethene	6.94	130	466364	51.43	ug/l	96
45) 1,2-Dichloropropane	7.31	63	468296	52.31	ug/l	99
46) Dibromomethane	7.42	93	273813	49.12	ug/l	93
47) Bromodichloromethane	7.70	83	618008	50.21	ug/l	98
48) Methyl methacrylate	7.46	41	320370	48.14	ug/l	99
49) 1,4-Dioxane	7.45	88	57977	1029.48	ug/l	92
51) 4-Methyl-2-Pentanone	8.57	43	2168649	268.83	ug/l	99
52) Toluene	8.76	92	951907	49.37	ug/l	99
53) t-1,3-Dichloropropene	9.15	75	538835	48.06	ug/l	98
54) cis-1,3-Dichloropropene	8.32	75	669394	49.86	ug/l	99
55) 1,1,2-Trichloroethane	9.42	97	333223	47.88	ug/l	99
56) Ethyl methacrylate	9.27	69	380684	47.44	ug/l	97
57) 1,3-Dichloropropane	9.63	76	505494	49.68	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.15	63	960665	214.12	ug/l	97
59) 2-Hexanone	9.75	43	1538803	258.07	ug/l	99
60) Dibromochloromethane	9.92	129	425164	47.44	ug/l	98
61) 1,2-Dibromoethane	10.06	107	346724	46.62	ug/l	99
64) Tetrachloroethene	9.48	164	393359	53.16	ug/l	99
65) Chlorobenzene	10.69	112	1037451	53.23	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	375546	56.45	ug/l	98
67) Ethyl Benzene	10.83	91	1676808	53.31	ug/l	98
68) m/p-Xylenes	10.99	106	1221990	105.06	ug/l	99
69) o-Xylene	11.38	106	615924	54.54	ug/l	98
70) Styrene	11.41	104	1016629	51.69	ug/l	97
71) Bromoform	11.58	173	303040	50.69	ug/l	# 98
73) Isopropylbenzene	11.75	105	1554366	53.29	ug/l	98
74) N-amyl acetate	11.63	43	608114	46.56	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	375148	54.57	ug/l	100
76) 1,2,3-Trichloropropane	12.09	75	374515	52.89	ug/l	99
77) Bromobenzene	12.02	156	456086	56.26	ug/l	88
78) n-propylbenzene	12.13	91	1882428	51.96	ug/l	97
79) 2-Chlorotoluene	12.20	91	1055442	50.61	ug/l	97
80) 1,3,5-Trimethylbenzene	12.30	105	1122394	53.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	109364	49.41	ug/l	91
82) 4-Chlorotoluene	12.31	91	1116164	54.45	ug/l	93
83) tert-Butylbenzene	12.55	119	1203639m	52.31	ug/l	
84) 1,2,4-Trimethylbenzene	12.60	105	1235328	51.47	ug/l	98
85) sec-Butylbenzene	12.74	105	1524681	49.97	ug/l	97
86) p-Isopropyltoluene	12.87	119	1206239	50.39	ug/l	97
87) 1,3-Dichlorobenzene	12.82	146	734443	53.81	ug/l	100
88) 1,4-Dichlorobenzene	12.91	146	706953	52.26	ug/l	98
89) n-Butylbenzene	13.17	91	1032608	45.59	ug/l	98
90) Hexachloroethane	13.38	117	313464	45.90	ug/l	82
91) 1,2-Dichlorobenzene	13.17	146	568853	56.49	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.75	75	49685	48.55	ug/l	77

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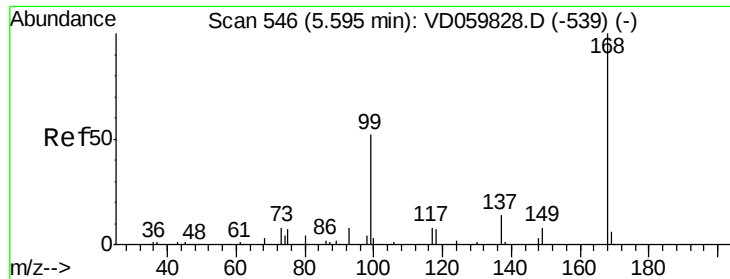
Manual Integrations
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8/22/2018 12:42:45 PM

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	419251	42.79	ug/l	99
94) Hexachlorobutadiene	14.41	225	220036	33.38	ug/l	97
95) Naphthalene	14.49	128	678817	42.41	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	347779	40.50	ug/l	98

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



#1

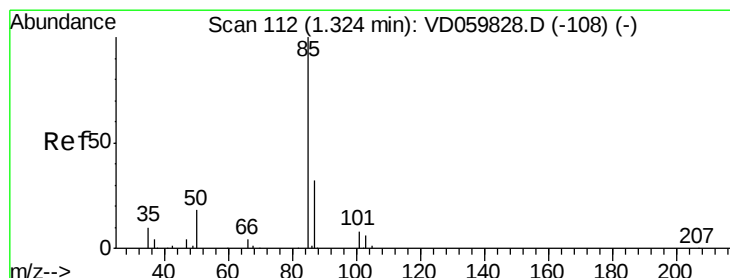
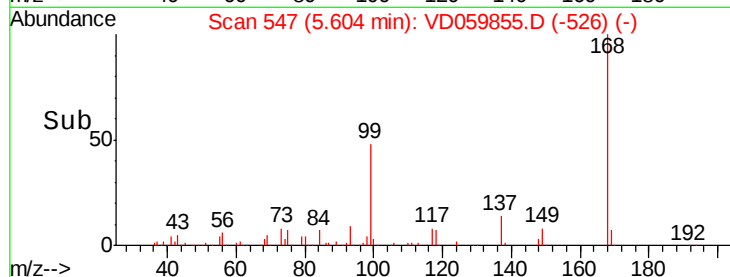
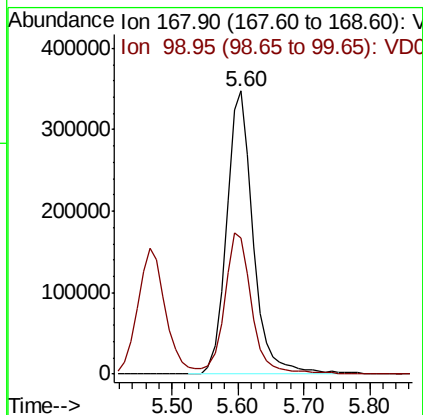
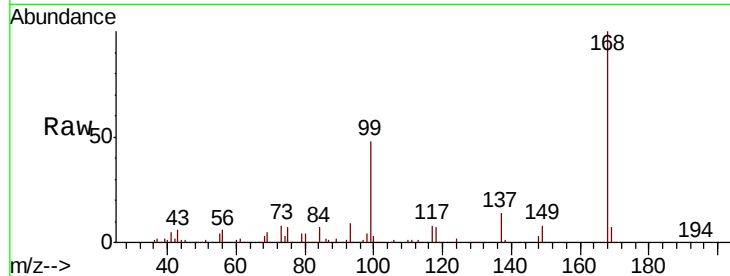
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.60 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MS

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.0	43.6	65.4

Manual Integrations
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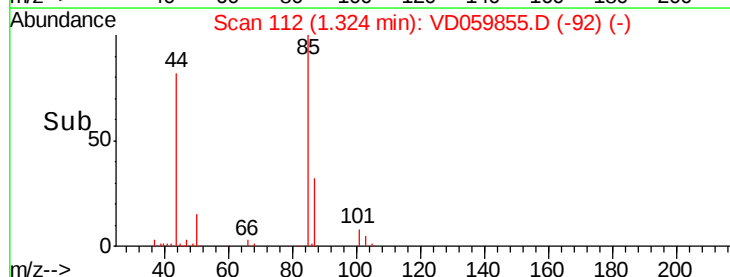
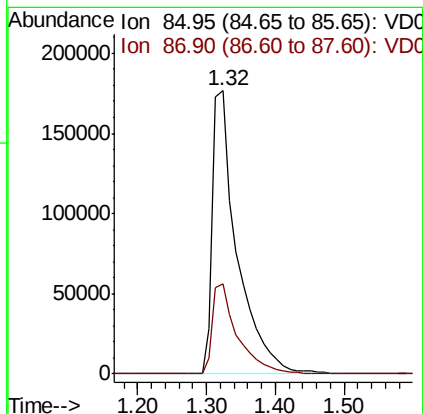
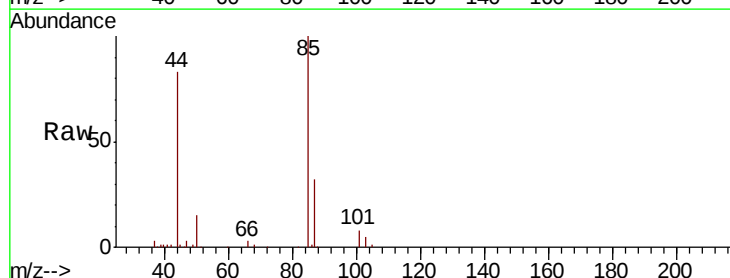
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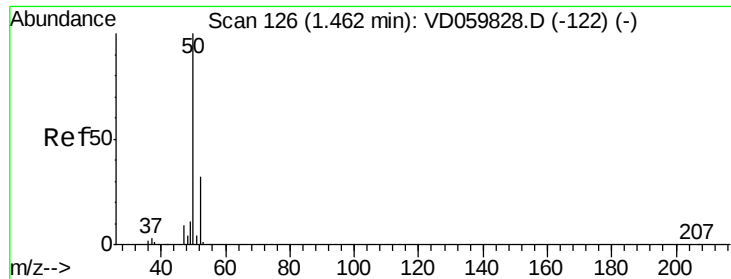


#2

Dichlorodifluoromethane
 Concen: 52.23 ug/l
 RT: 1.32 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.3





#3

Chloromethane

Concen: 47.09 ug/l

RT: 1.46 min Scan# 126

Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MS

Tot Ion: 50 Resp: 335845

Ion Ratio Lower Upper

50 100

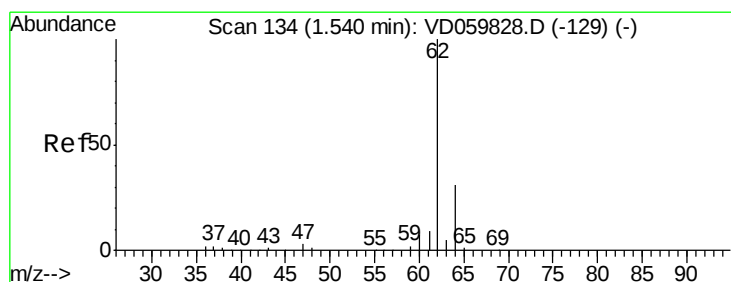
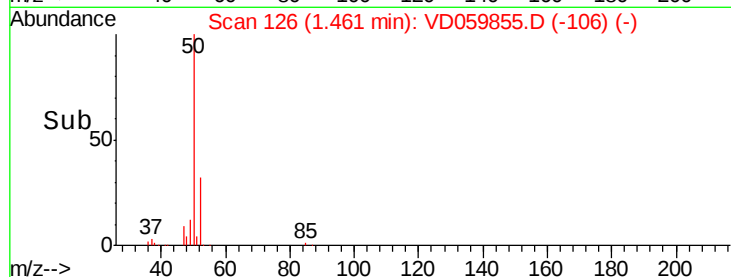
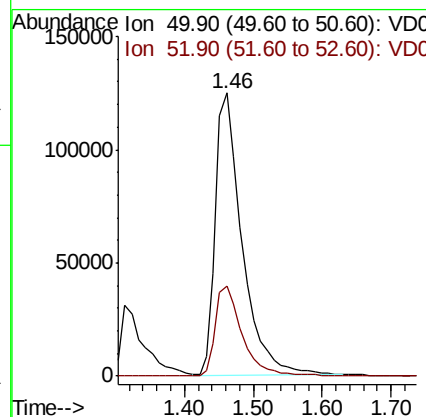
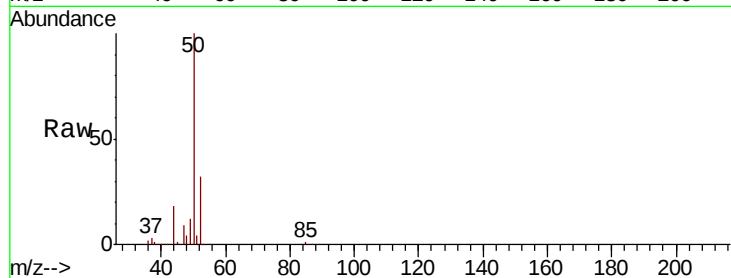
52 31.7 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.17 ug/l

RT: 1.53 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059855.D

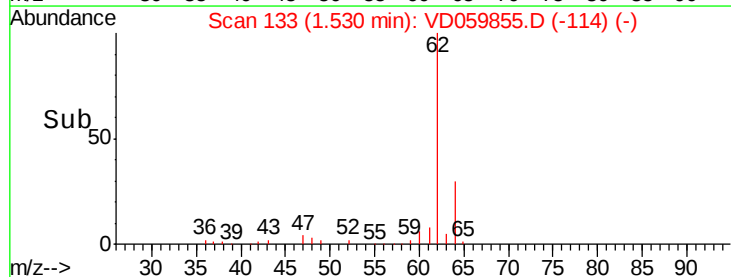
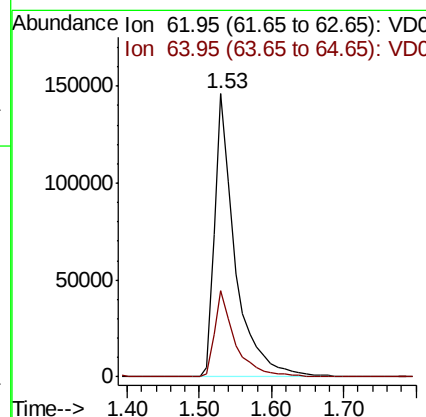
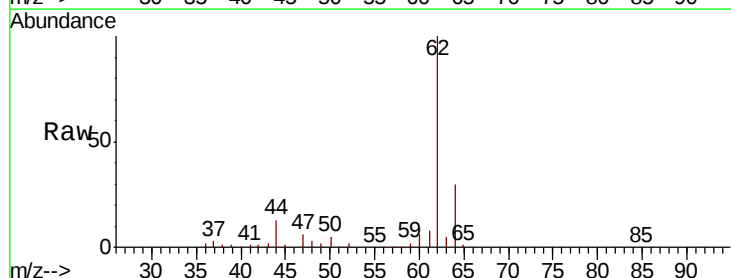
Acq: 21 Aug 2018 14:57

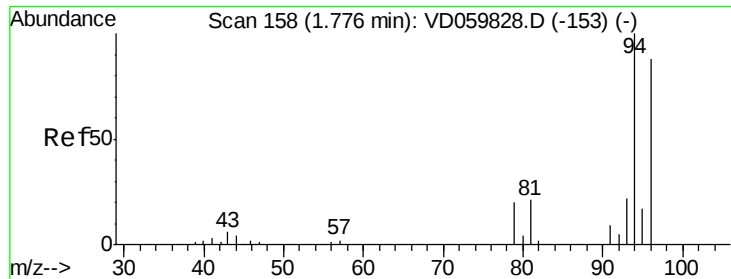
Tgt Ion: 62 Resp: 286781

Ion Ratio Lower Upper

62 100

64 30.4 25.0 37.6





#5

Bromomethane

Concen: 79.29 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

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ClientSampleId :

RA-081518-FL-031MS

Tot Ion: 94 Resp: 59553

Ion Ratio Lower Upper

94 100

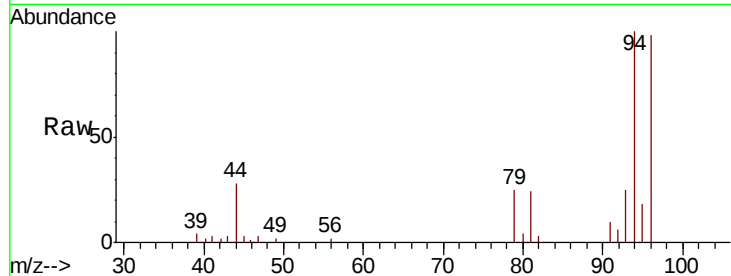
96 97.7 70.8 106.2

Manual Integrations

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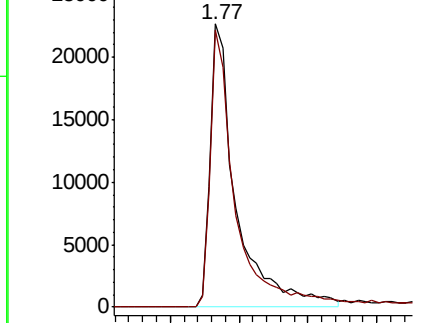
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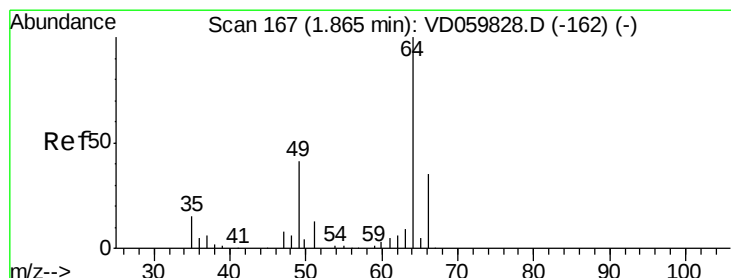
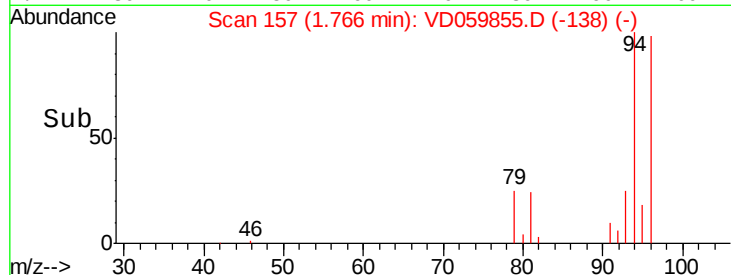


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 71.45 ug/l

RT: 1.85 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059855.D

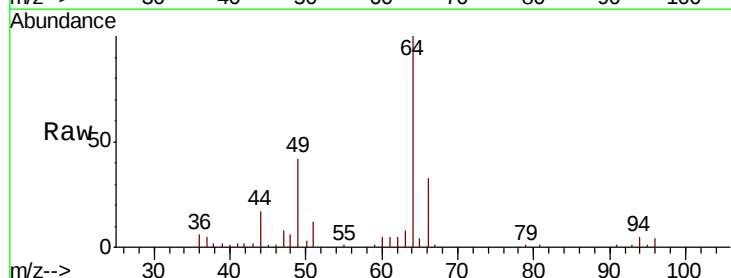
Acq: 21 Aug 2018 14:57

Tgt Ion: 64 Resp: 92399

Ion Ratio Lower Upper

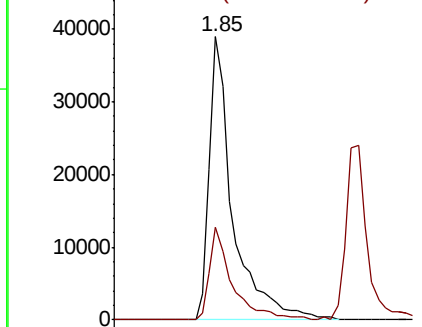
64 100

66 32.9 27.9 41.9

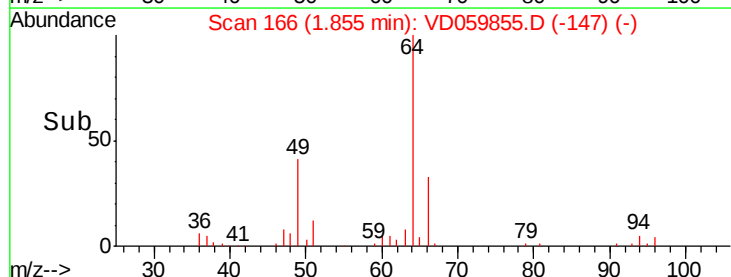


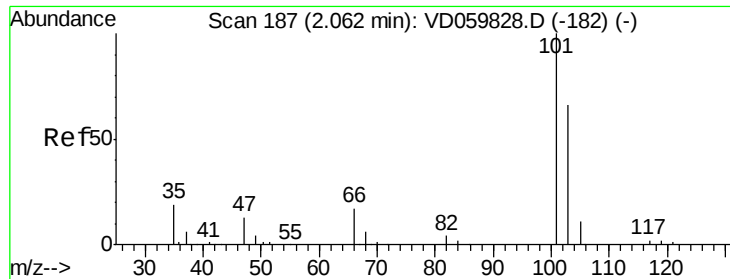
Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

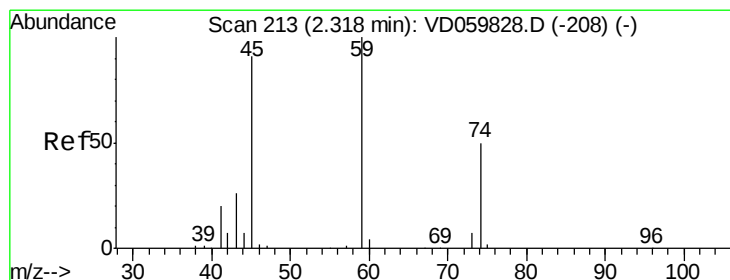
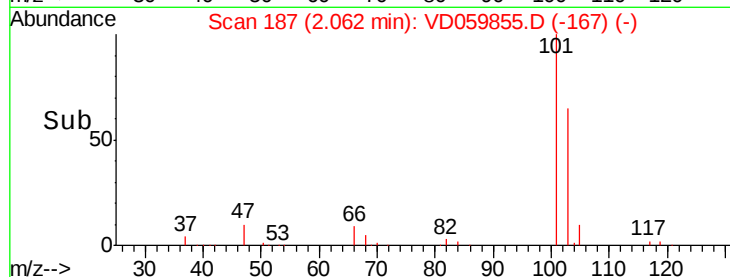
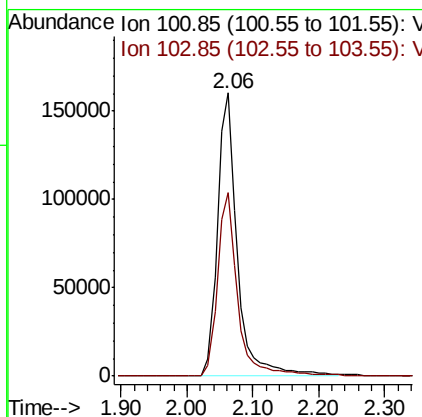
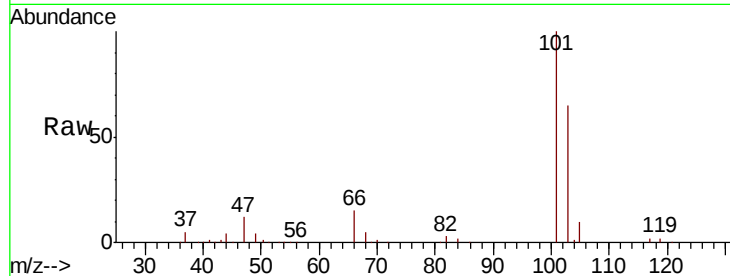
Trichlorofluoromethane
 Concen: 58.24 ug/l
 RT: 2.06 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	53.0	79.4

Manual Integrations
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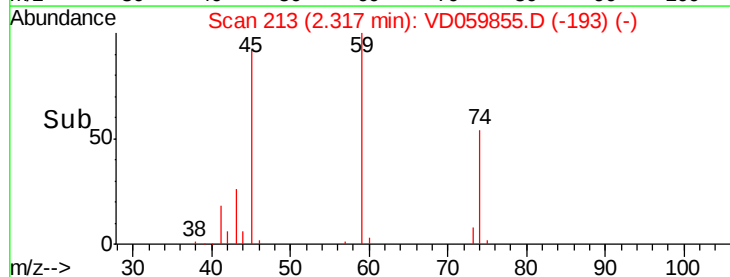
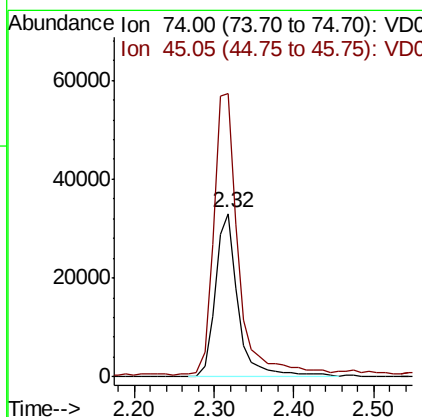
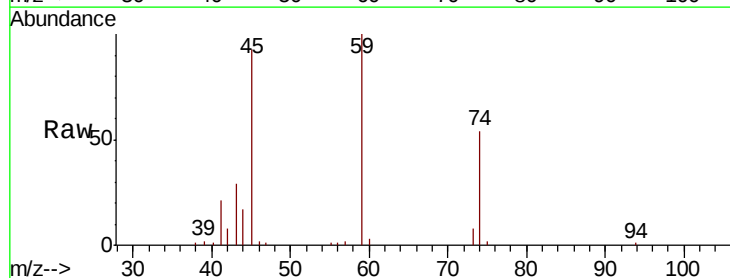
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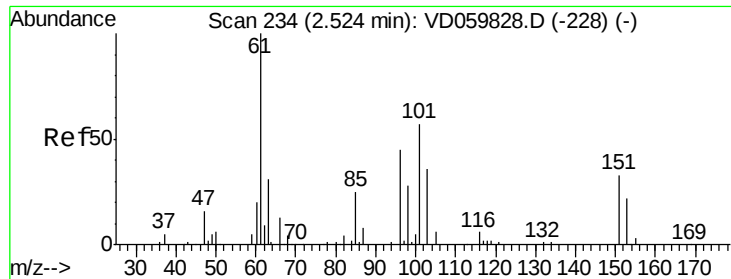


#8

Diethyl Ether
 Concen: 51.82 ug/l
 RT: 2.32 min Scan# 213
 Delta R.T. -0.00 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	173.3	90.6	271.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.37 ug/l

RT: 2.52 min Scan# 234

Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

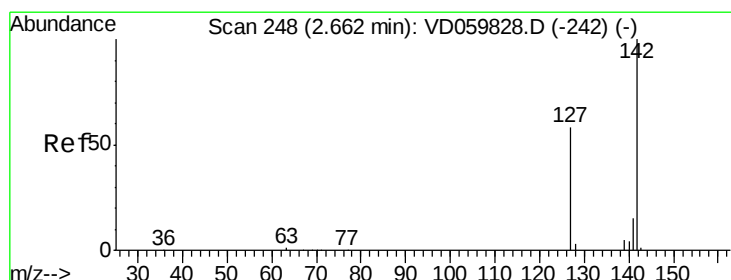
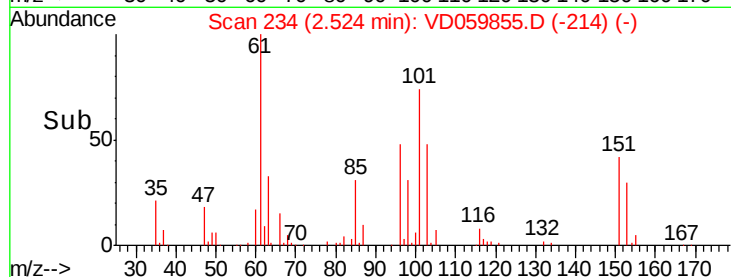
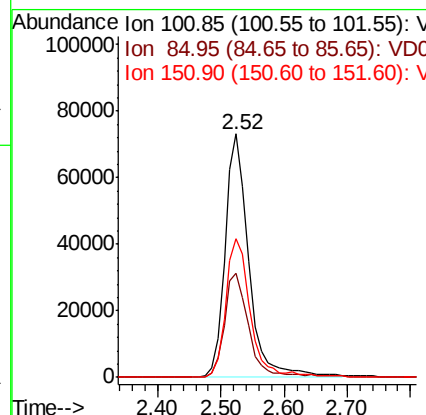
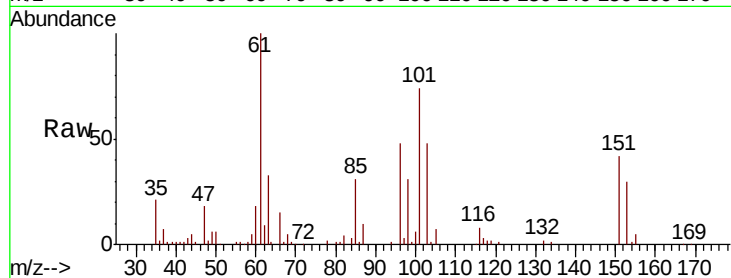
ClientSampleId :

RA-081518-FL-031MS

Tot Ion:	101	Resp:	191646
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.7	53.5
151	57.2	45.8	68.6

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#10

Methyl Iodide

Concen: 50.60 ug/l

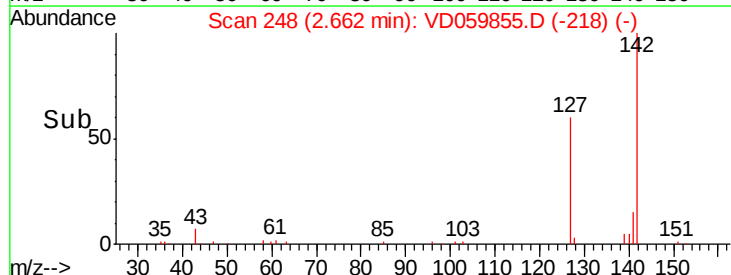
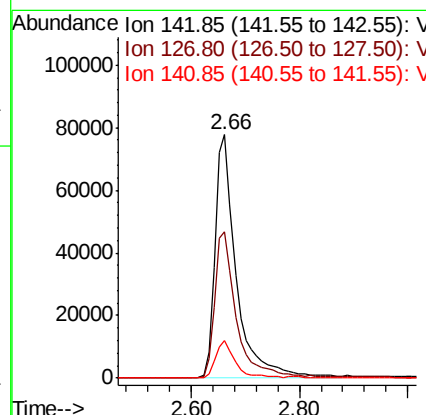
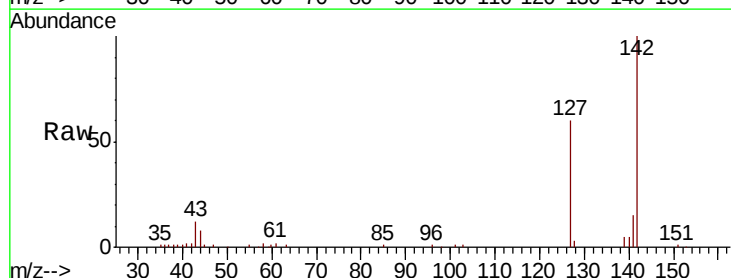
RT: 2.66 min Scan# 248

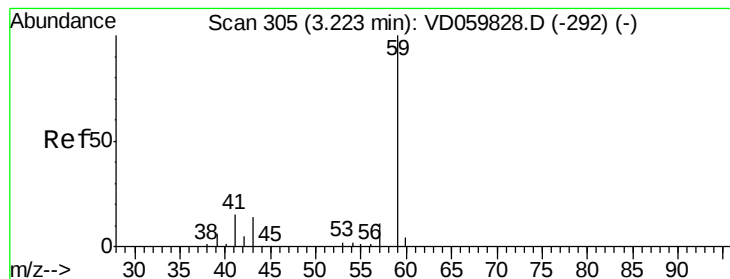
Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Tgt Ion:	142	Resp:	213504
Ion Ratio	Lower	Upper	
142	100		
127	60.2	46.6	69.8
141	15.5	11.7	17.5





#11

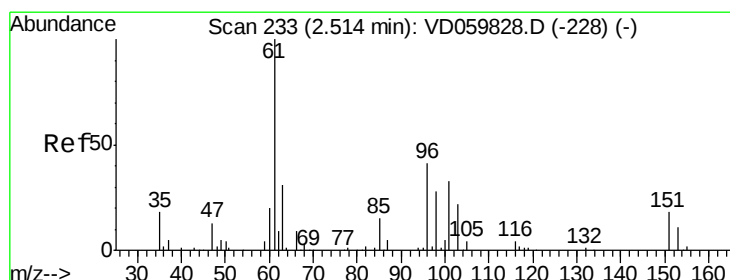
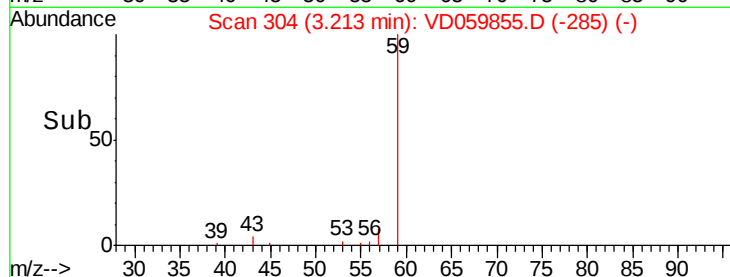
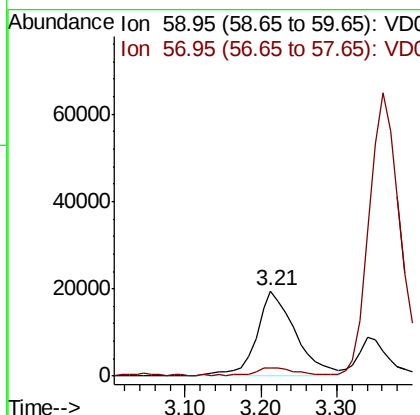
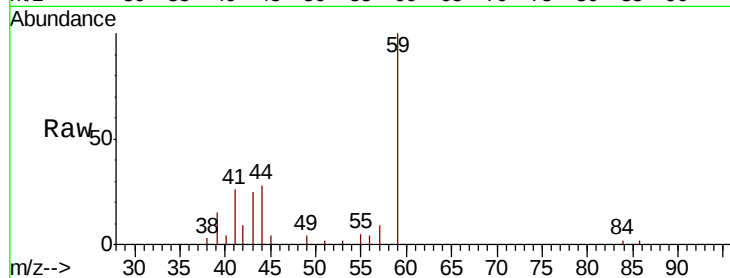
Tert butyl alcohol
 Concen: 243.50 ug/l
 RT: 3.21 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	10.3	15.5#

Manual Integrations
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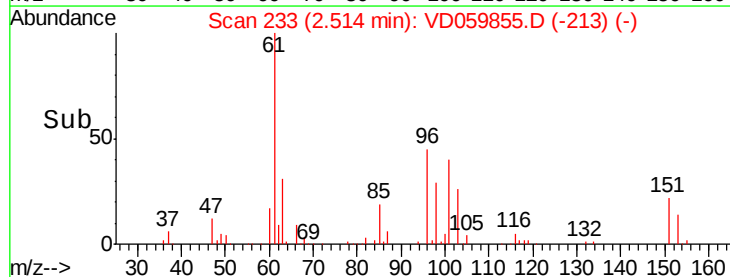
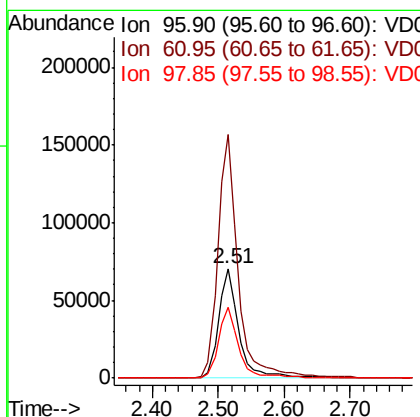
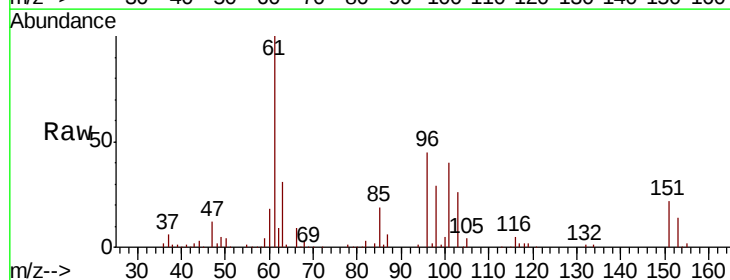
apatel
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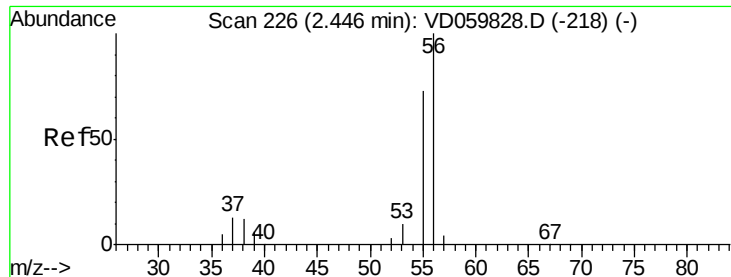


#12

1,1-Dichloroethene
 Concen: 59.17 ug/l
 RT: 2.51 min Scan# 233
 Delta R.T. 0.00 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	222.1	194.0	291.0
98	64.1	53.4	80.0





#13

Acrolein

Concen: 132.64 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MS

Tot Ion: 56 Resp: 39135

Ion Ratio Lower Upper

56 100

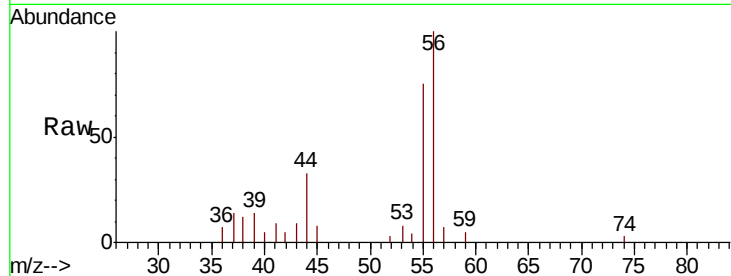
55 74.8 60.4 90.6

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

2.44

20000

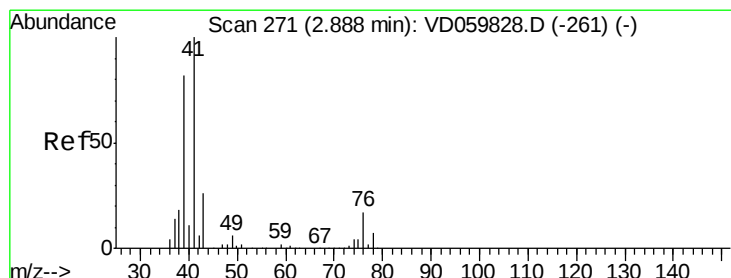
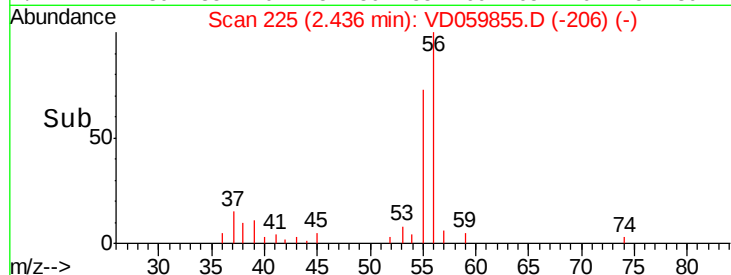
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 49.00 ug/l

RT: 2.89 min Scan# 271

Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

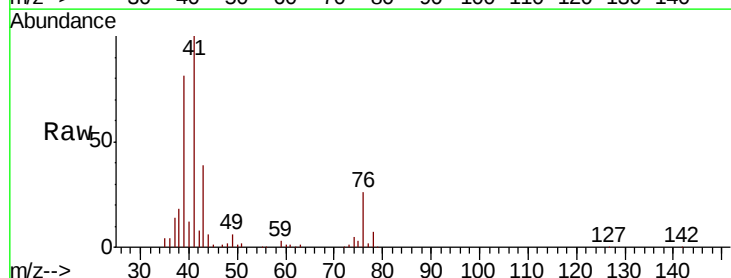
Tgt Ion: 41 Resp: 374989

Ion Ratio Lower Upper

41 100

39 80.6 65.9 98.9

76 25.8 19.9 29.9



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

300000

250000

200000

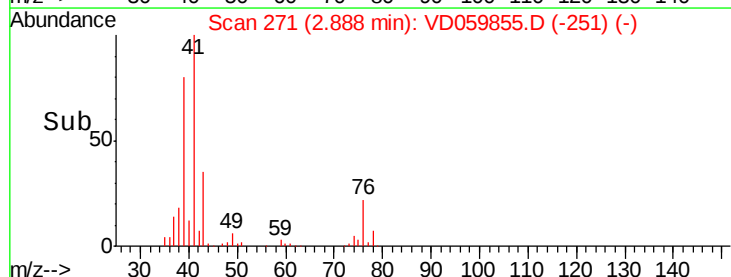
150000

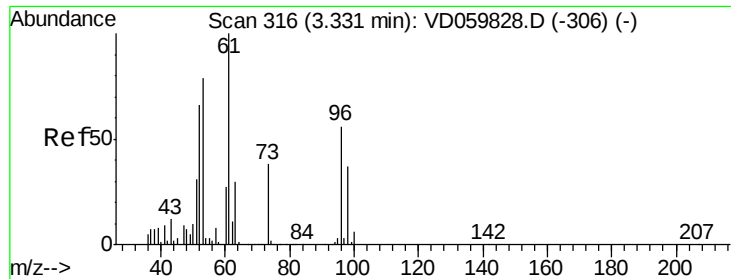
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 209.19 ug/l

RT: 3.31 min Scan# 314

Delta R.T. -0.02 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

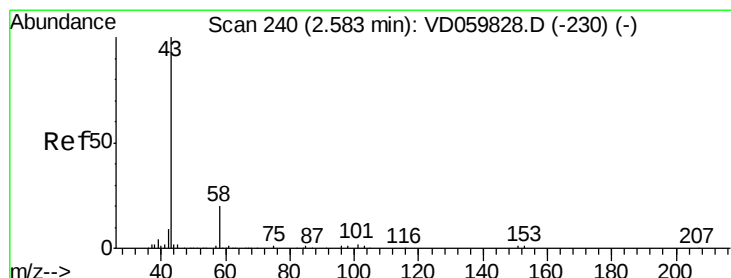
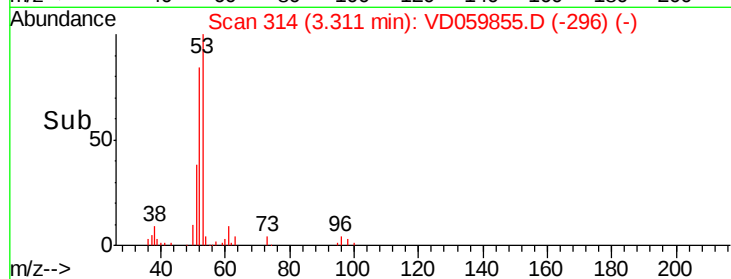
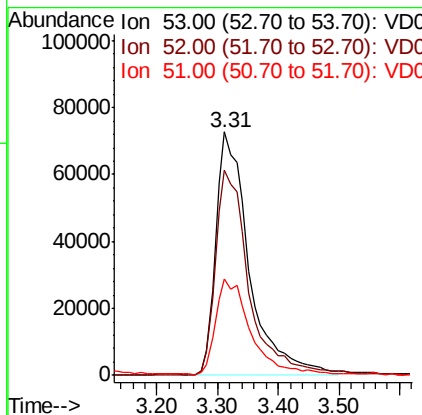
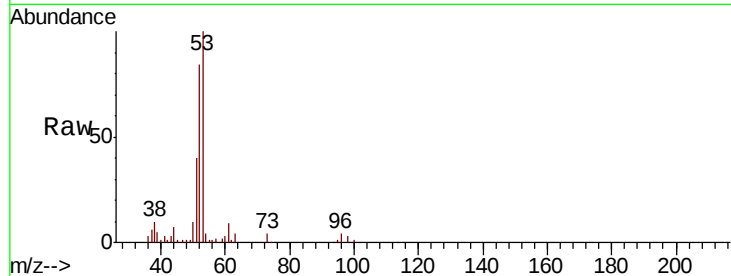
ClientSampleId :

RA-081518-FL-031MS

Tot Ion:	53	Resp:	280008
Ion	Ratio	Lower	Upper
53	100		
52	84.1	66.8	100.2
51	39.7	31.6	47.4

Manual Integrations
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#16

Acetone

Concen: 402.95 ug/l

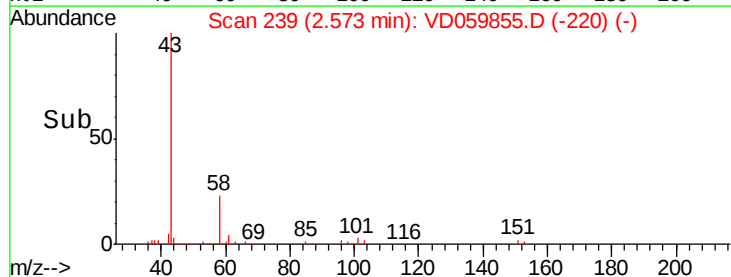
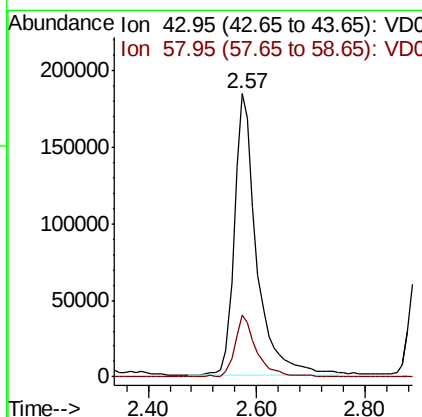
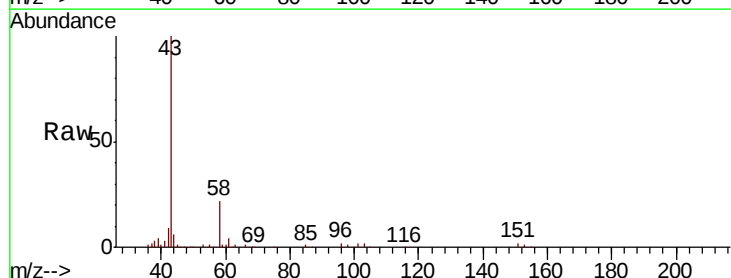
RT: 2.57 min Scan# 239

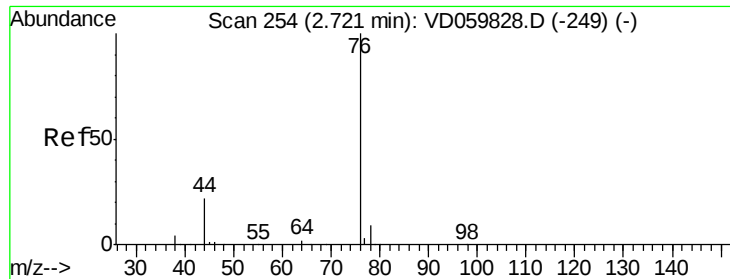
Delta R.T. -0.01 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Tgt Ion:	43	Resp:	528355
Ion	Ratio	Lower	Upper
43	100		
58	22.1	16.2	24.2





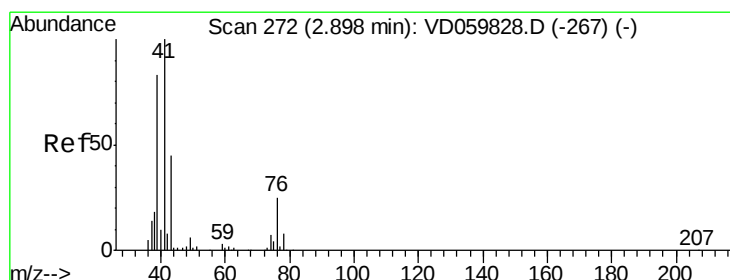
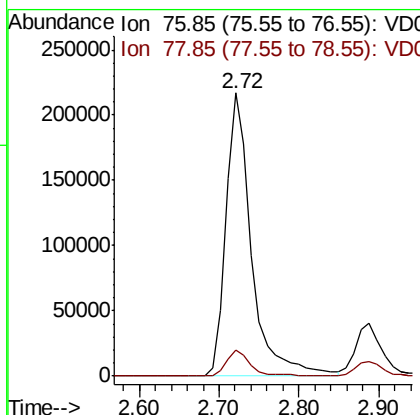
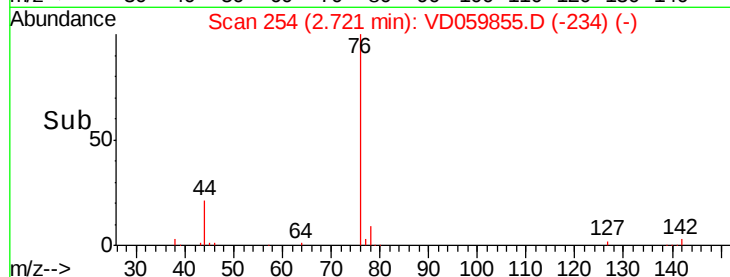
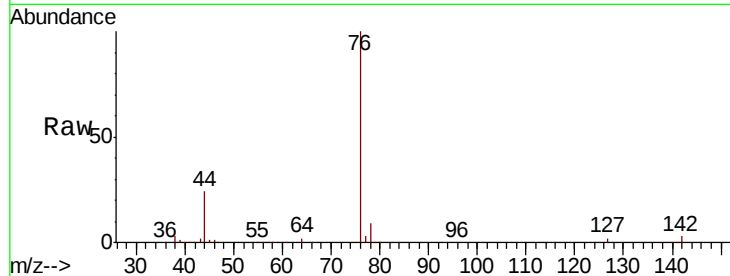
#17
Carbon Disulfide
Concen: 50.79 ug/l
RT: 2.72 min Scan# 254
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

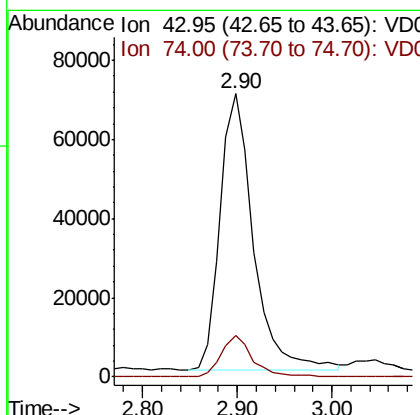
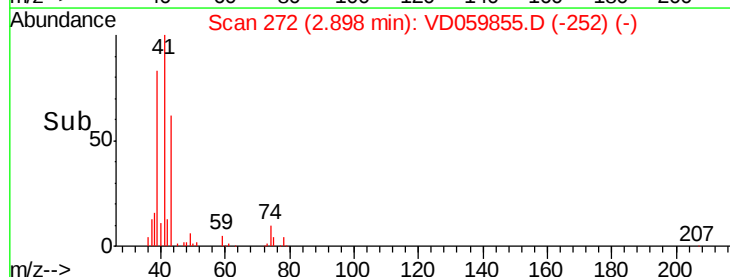
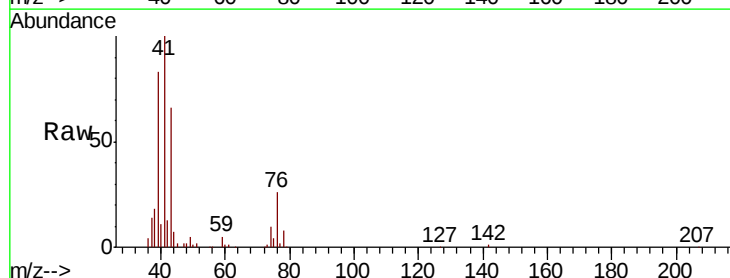
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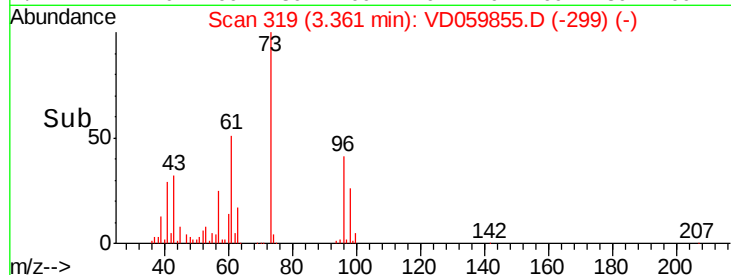
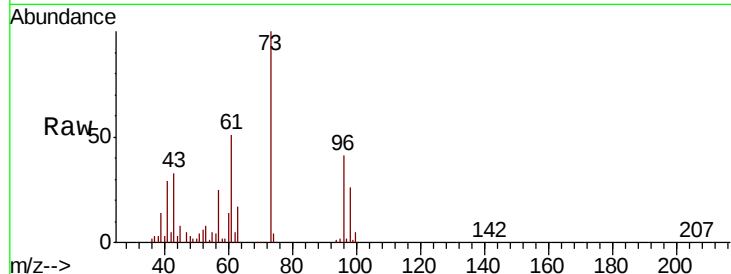
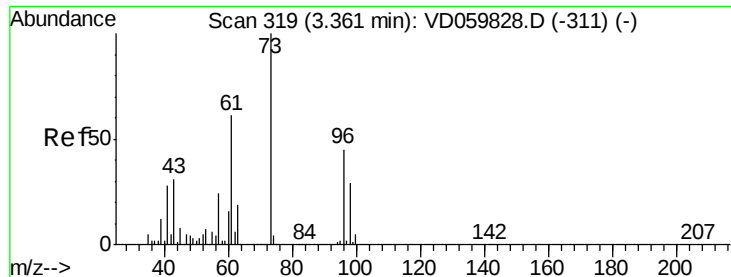
apatel
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#18
Methyl Acetate
Concen: 64.93 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.6	11.4	17.0





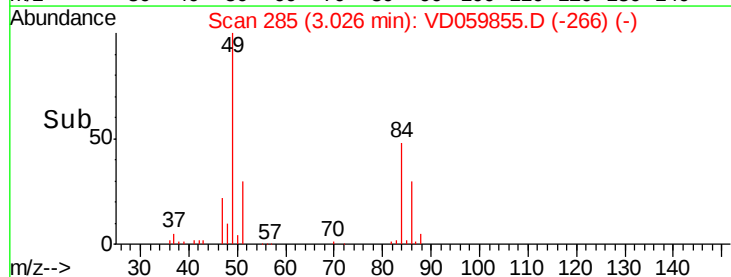
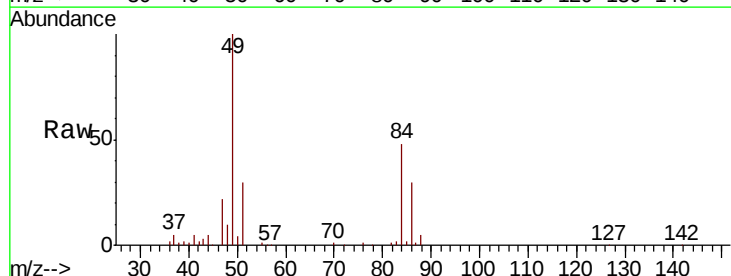
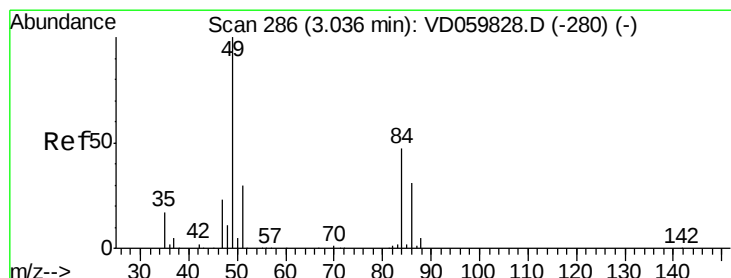
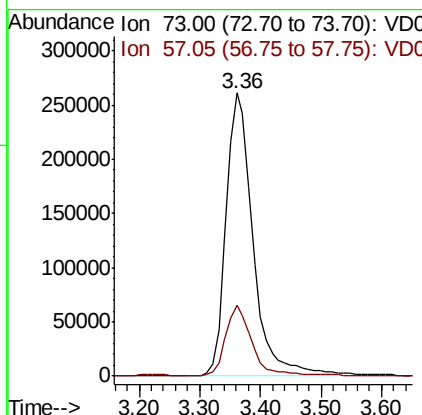
#19
Methyl tert-butyl Ether
Concen: 47.74 ug/l
RT: 3.36 min Scan# 319
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tot Ion: 73 Resp: 807531
Ion Ratio Lower Upper
73 100
57 24.8 19.4 29.0

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

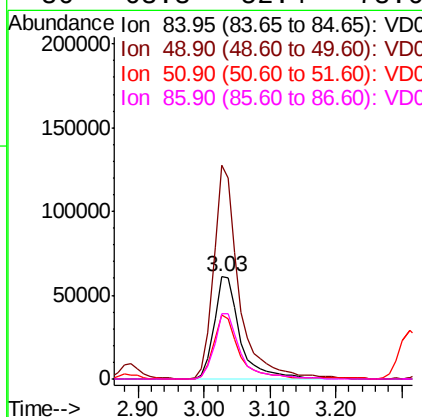
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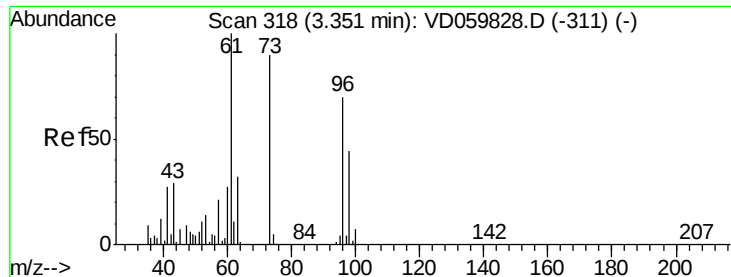
apatel
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#20
Methylene Chloride
Concen: 51.45 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion: 84 Resp: 167318
Ion Ratio Lower Upper
84 100
49 208.9 170.4 255.6
51 63.1 51.4 77.0
86 63.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 46.88 ug/l

RT: 3.35 min Scan# 318

Delta R.T. 0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

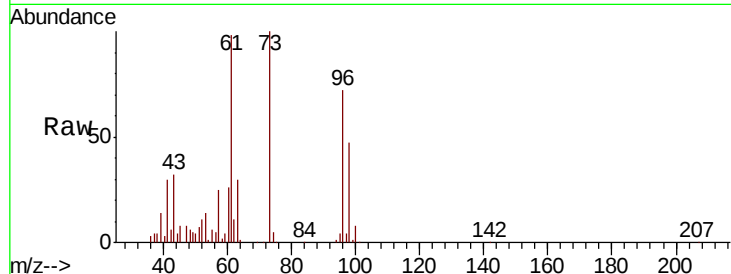
ClientSampleId :

RA-081518-FL-031MS

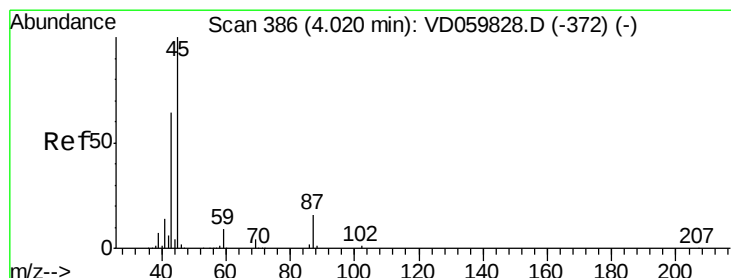
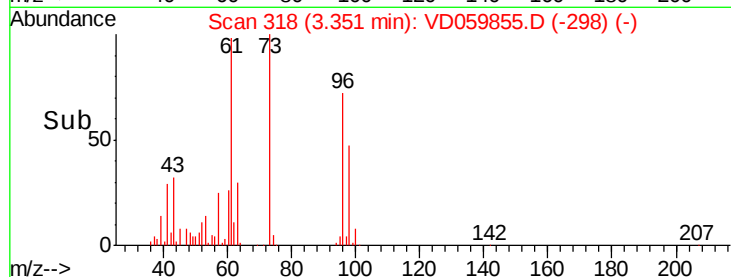
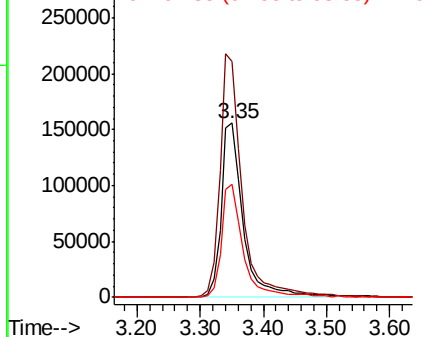
Tot Ion:	96	Resp:	379058
Ion	Ratio	Lower	Upper
96	100		
61	135.6	114.1	171.1
98	64.8	50.1	75.1

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: 52.75 ug/l

RT: 4.02 min Scan# 386

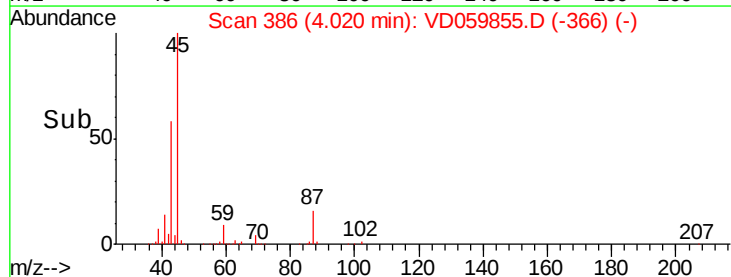
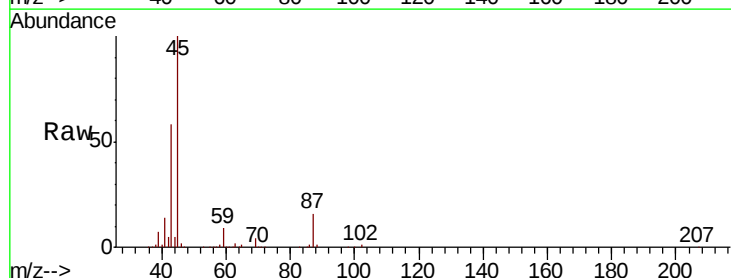
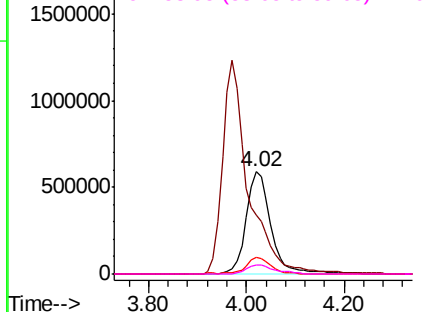
Delta R.T. -0.00 min

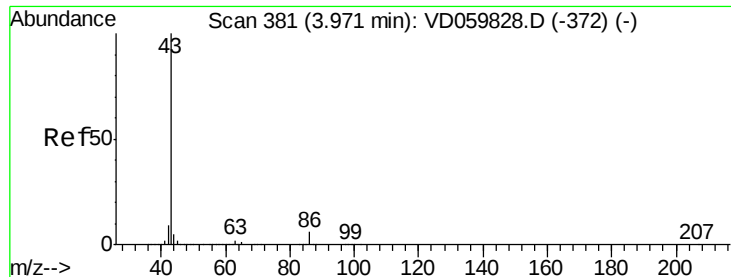
Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Tgt Ion:	45	Resp:	2062080
Ion	Ratio	Lower	Upper
45	100		
43	58.4	51.1	76.7
87	16.2	12.5	18.7
59	8.7	7.1	10.7

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





#23

Vinyl Acetate

Concen: 211.72 ug/l

RT: 3.97 min Scan# 381

Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MS

Tot Ion: 43 Resp: 4446043

Ion Ratio Lower Upper

43 100

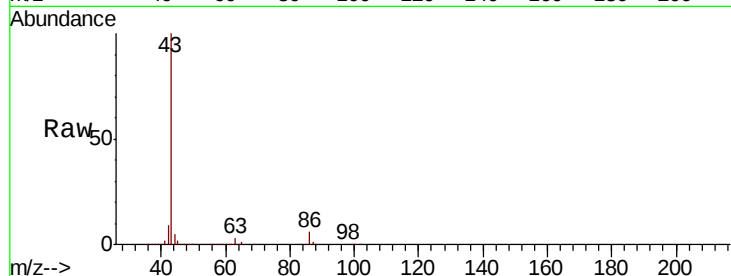
86 5.9 4.6 7.0

Manual Integrations

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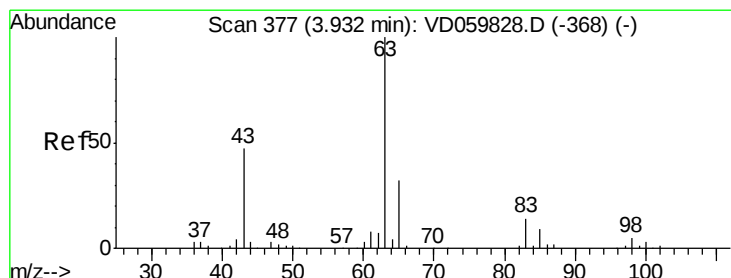
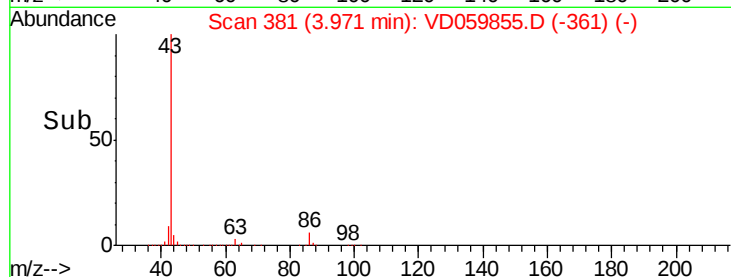
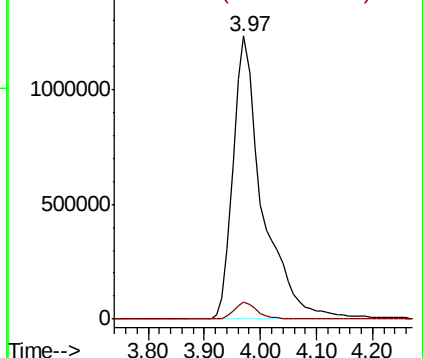
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.70 ug/l

RT: 3.92 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

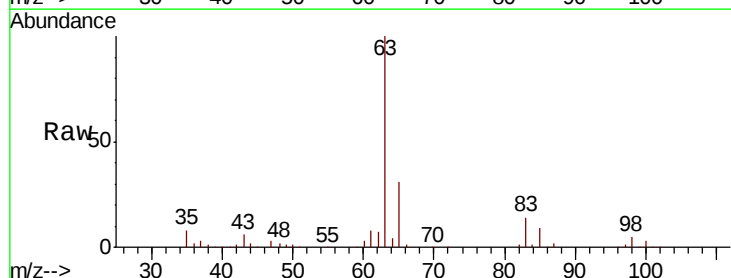
Tgt Ion: 63 Resp: 888847

Ion Ratio Lower Upper

63 100

98 5.4 2.5 7.6

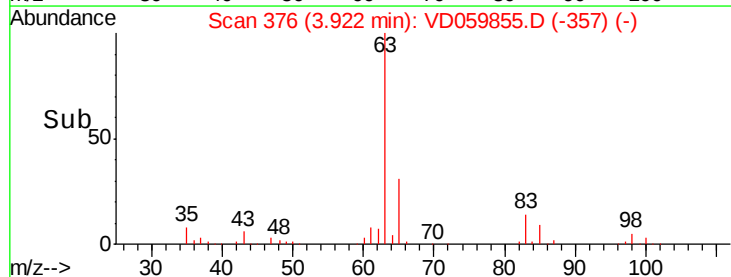
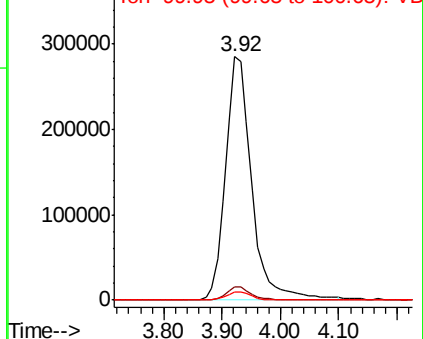
100 3.1 1.7 5.0

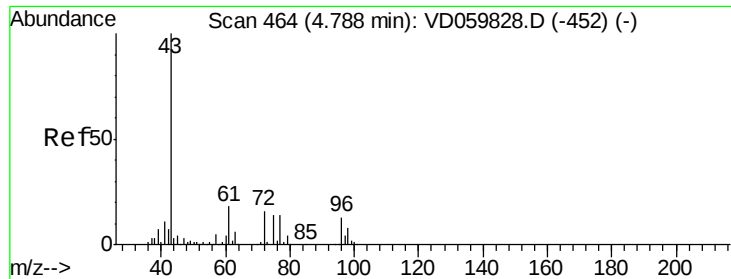


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 284.95 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MS

Tot Ion: 43 Resp: 1129348

Ion Ratio Lower Upper

43 100

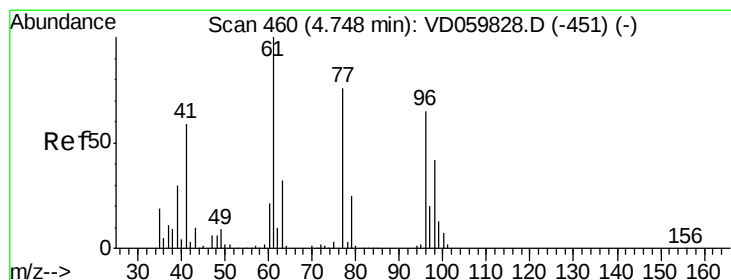
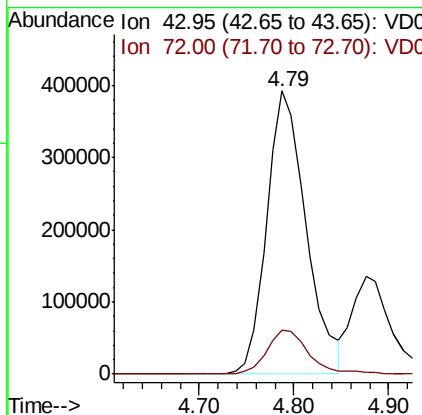
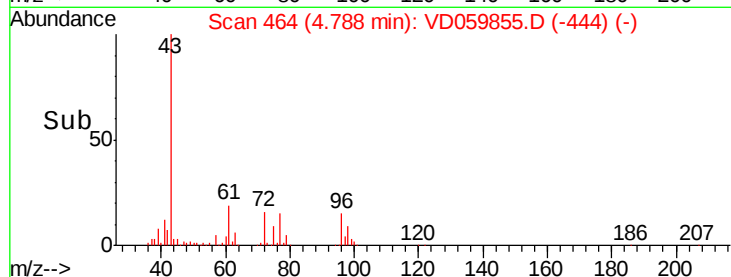
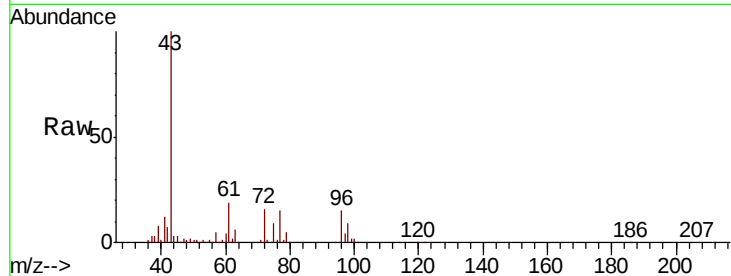
72 15.6 12.4 18.6

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#26

2,2-Dichloropropane

Concen: 50.28 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059855.D

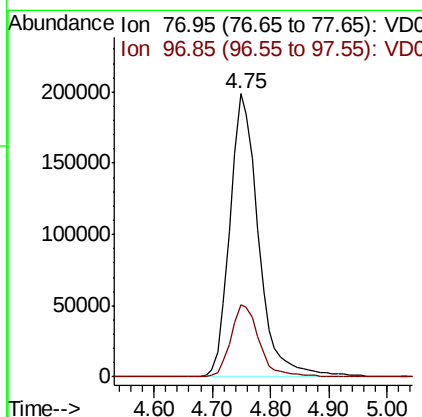
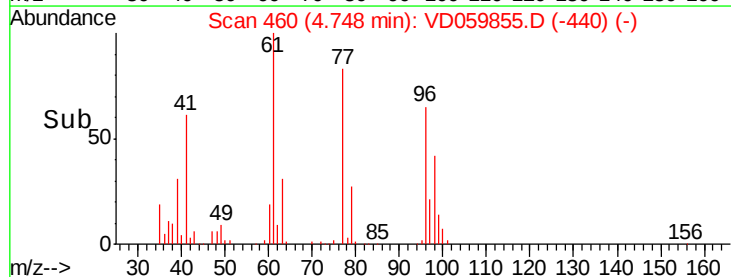
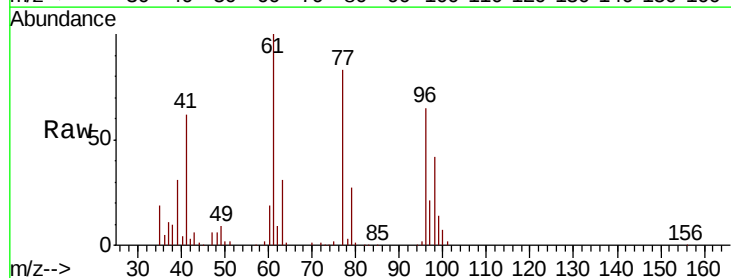
Acq: 21 Aug 2018 14:57

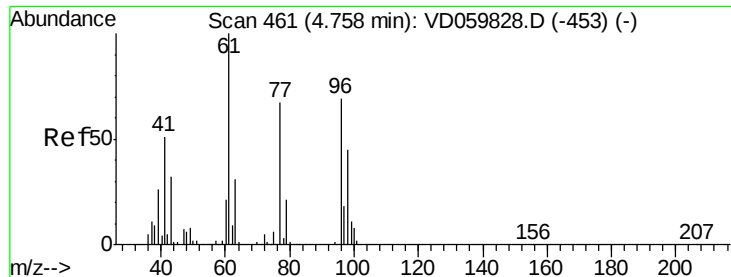
Tgt Ion: 77 Resp: 678199

Ion Ratio Lower Upper

77 100

97 25.4 13.0 38.9





#27

cis-1,2-Dichloroethene

Concen: 51.31 ug/l

RT: 4.76 min Scan# 461

Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

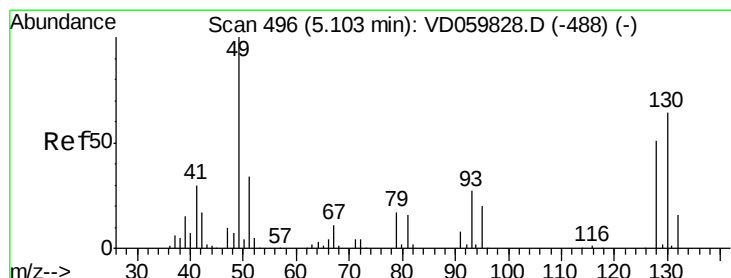
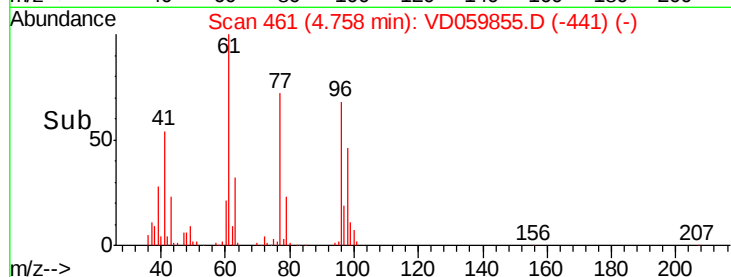
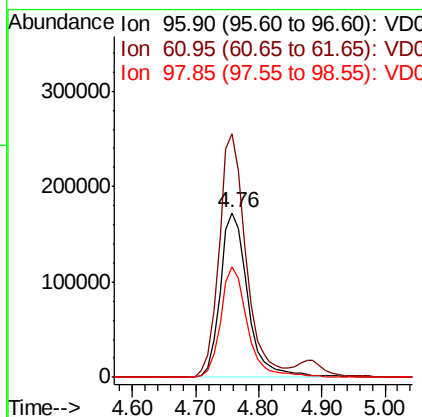
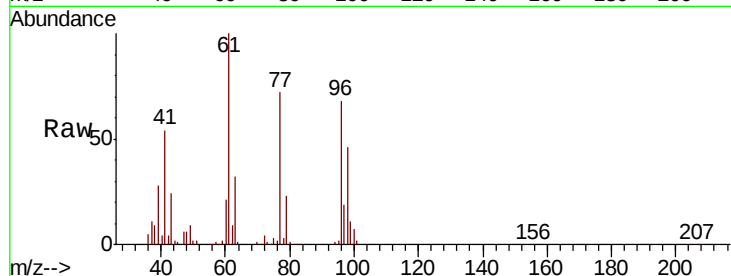
ClientSampleId :

RA-081518-FL-031MS

Tot Ion:	96	Resp:	524963
Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	291.8
98	67.3	0.0	131.6

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#28

Bromochloromethane

Concen: 47.71 ug/l

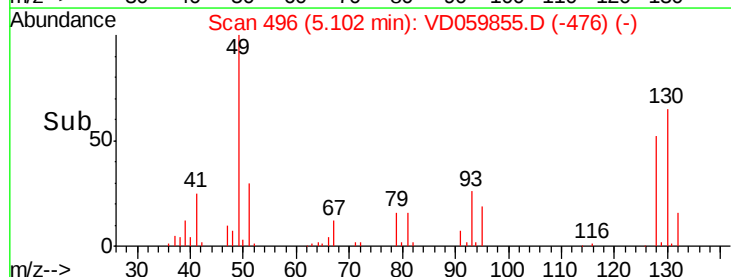
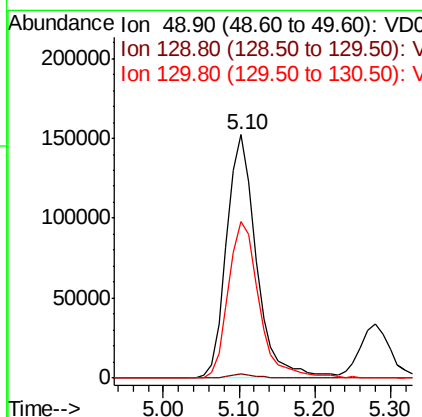
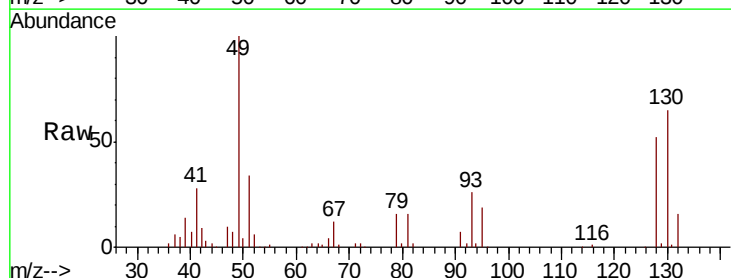
RT: 5.10 min Scan# 496

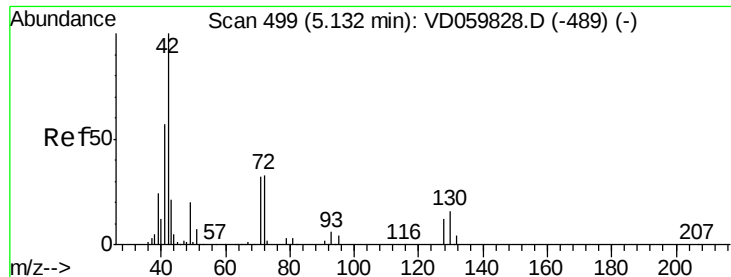
Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Tgt Ion:	49	Resp:	415638
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	64.5	51.0	76.6





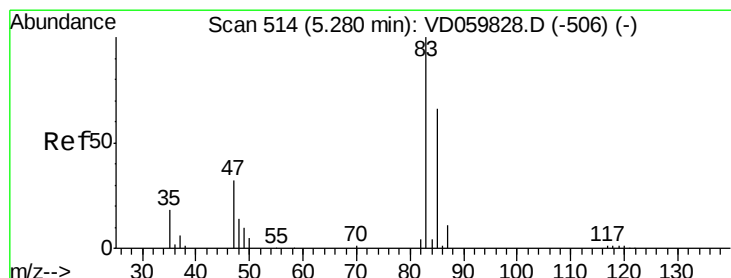
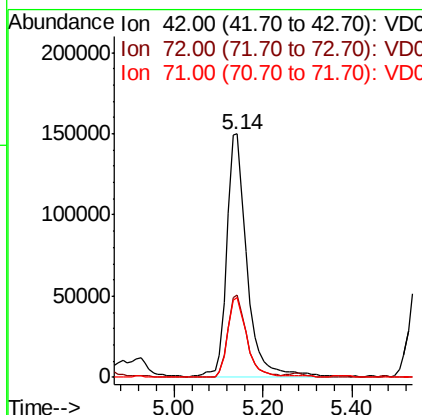
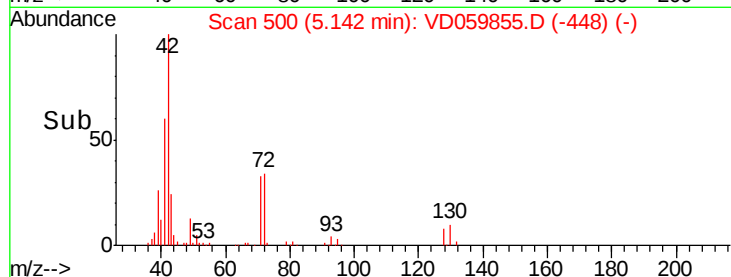
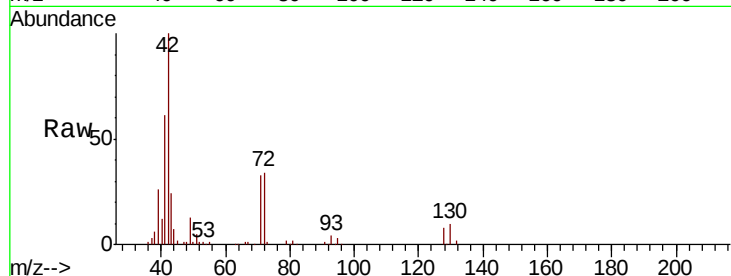
#29
Tetrahydrofuran
Concen: 235.08 ug/l
RT: 5.14 min Scan# 500
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.1	25.8	38.6
71	32.1	25.7	38.5

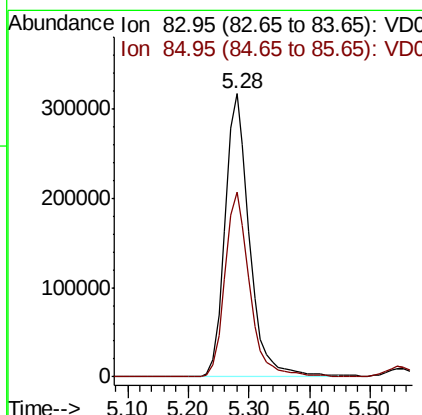
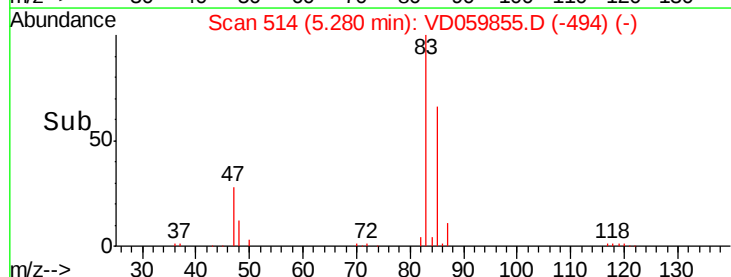
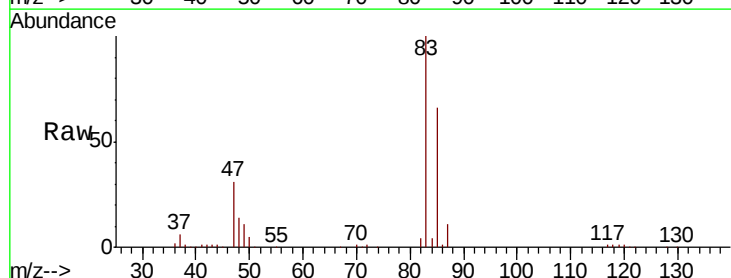
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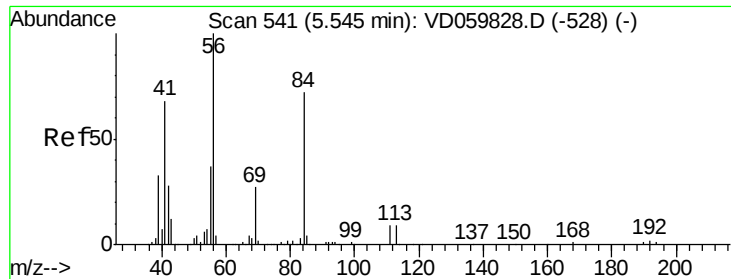
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#30
Chloroform
Concen: 52.15 ug/l
RT: 5.28 min Scan# 514
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.9	79.3





#31

Cyclohexane

Concen: 46.67 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

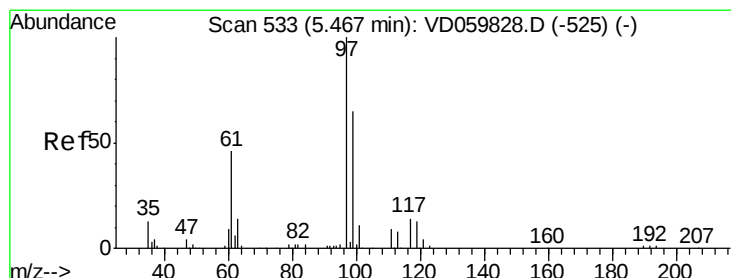
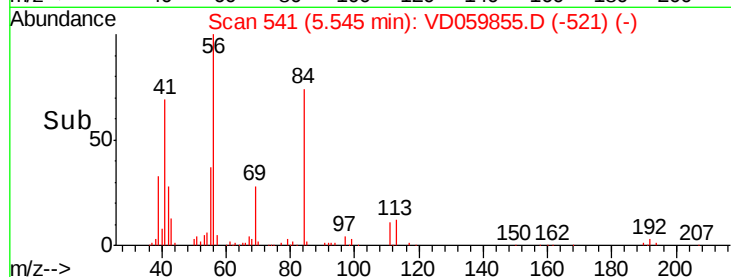
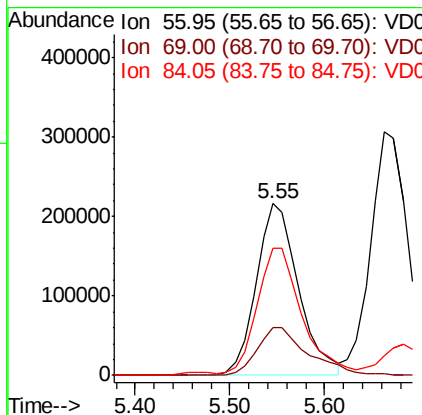
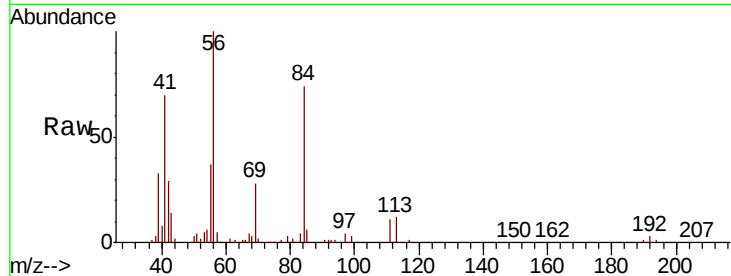
ClientSampleId :

RA-081518-FL-031MS

Tot Ion:	56	Resp:	669307
Ion	Ratio	Lower	Upper
56	100		
69	27.8	21.7	32.5
84	74.2	57.8	86.6

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#32

1,1,1-Trichloroethane

Concen: 51.22 ug/l

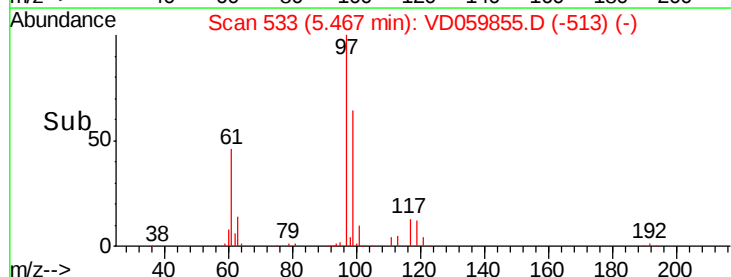
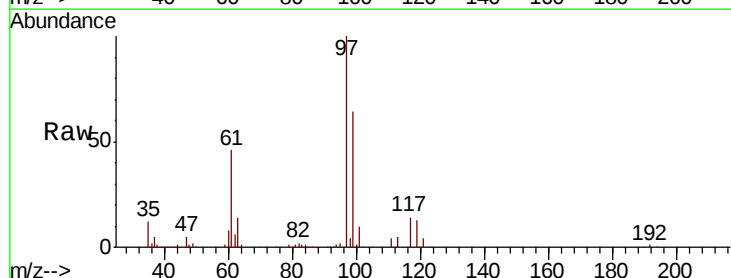
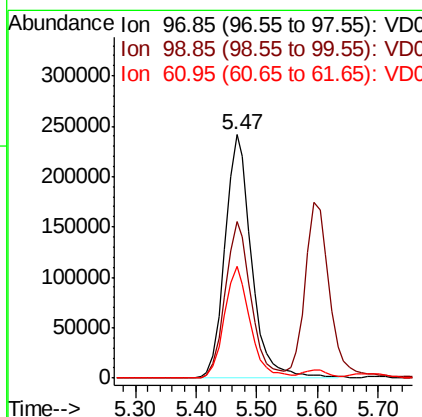
RT: 5.47 min Scan# 533

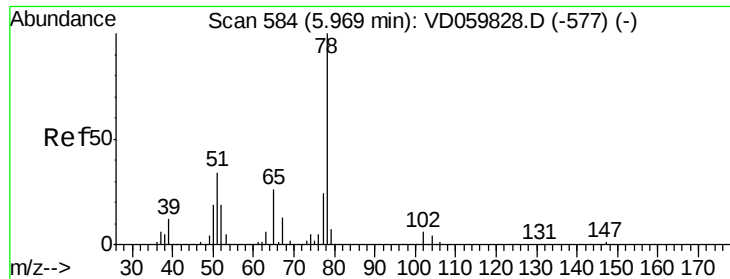
Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Tgt Ion:	97	Resp:	732228
Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.9	77.9
61	45.7	37.0	55.6





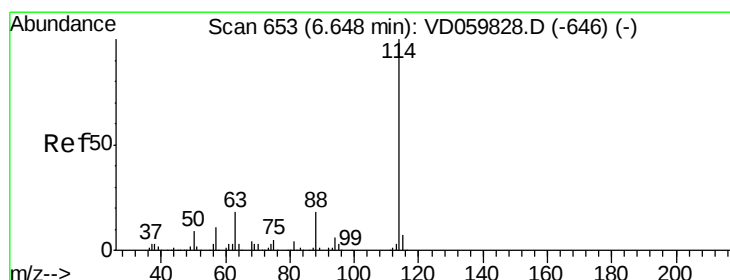
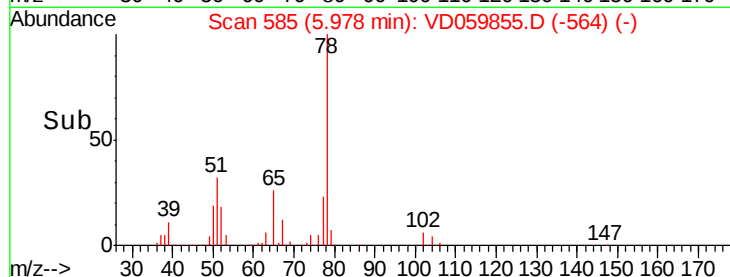
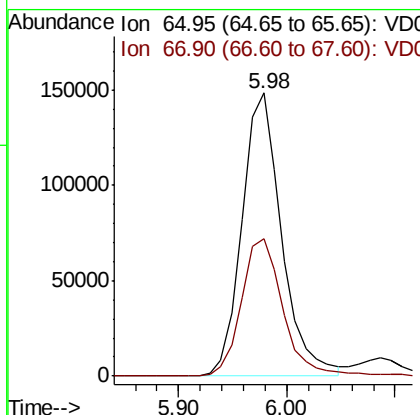
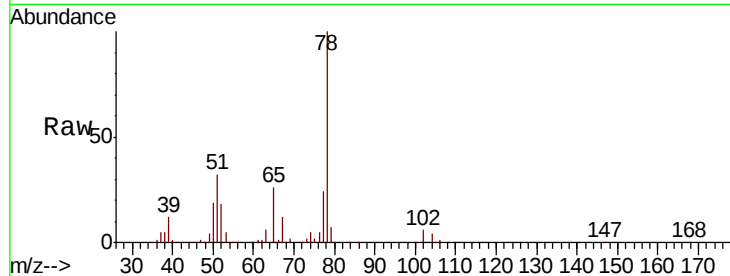
#33
 1,2-Dichloroethane-d4
 Concen: 51.22 ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. 0.01 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	48.7	0.0	102.4	

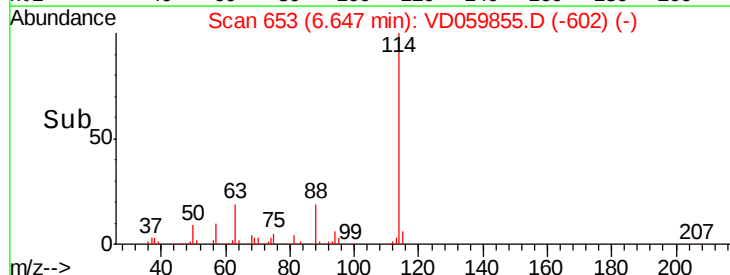
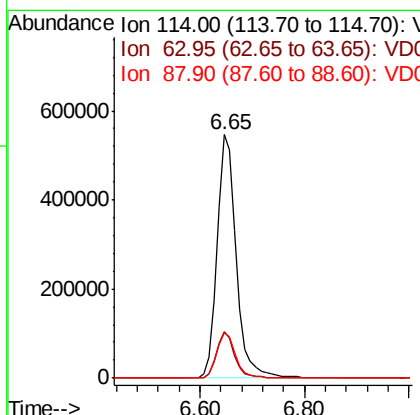
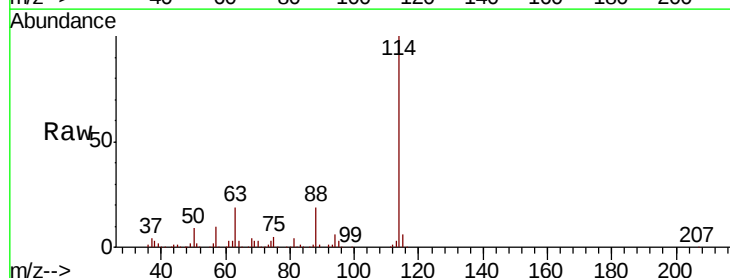
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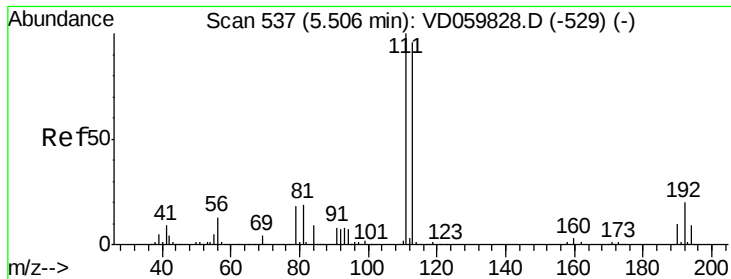
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.65 min Scan# 653
 Delta R.T. -0.00 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	37.0	
88	18.6	0.0	37.0	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

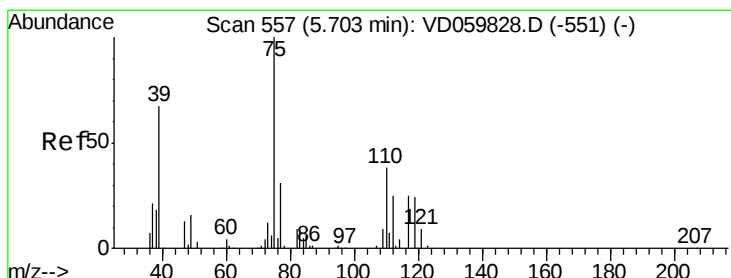
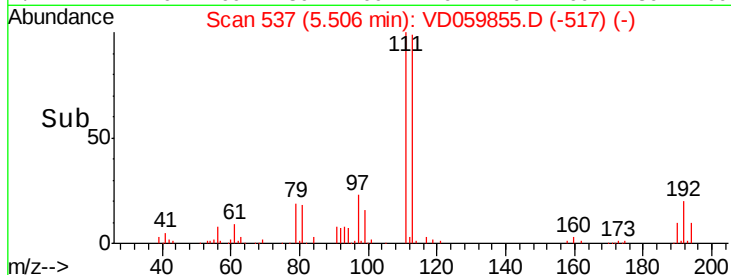
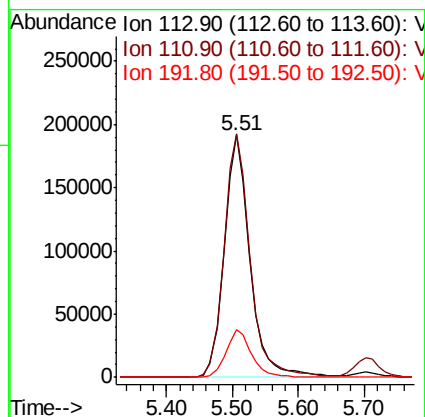
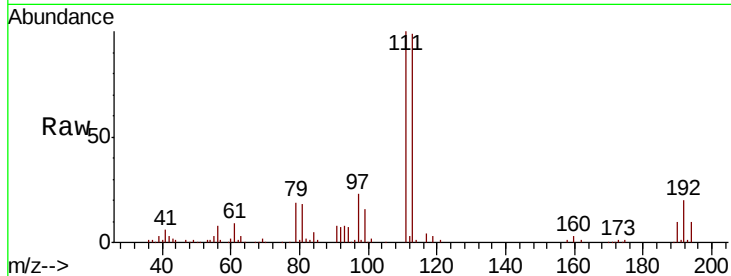
ClientSampleId :

RA-081518-FL-031MS

Tot Ion:	113	Resp:	520866
Ion Ratio	Lower	Upper	
113	100		
111	100.7	83.3	124.9
192	19.9	16.8	25.2

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#36

1,1-Dichloropropene

Concen: 50.38 ug/l

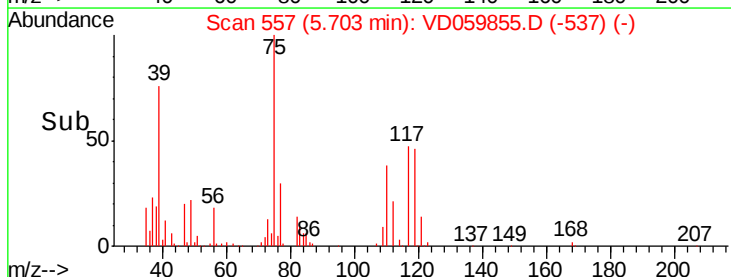
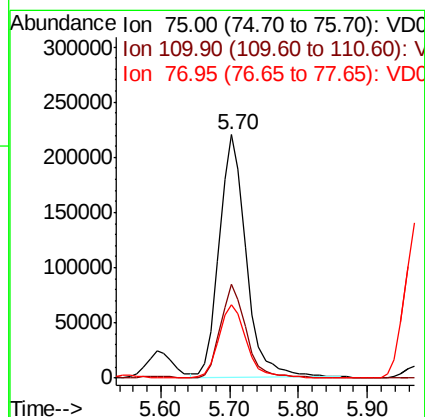
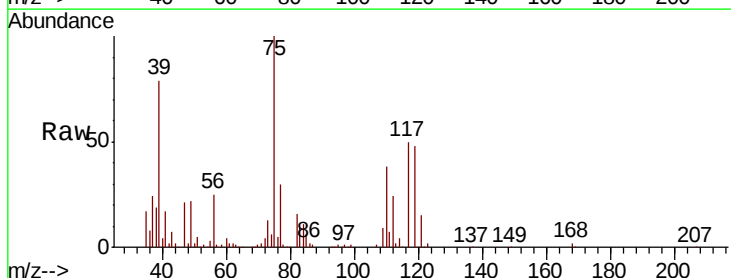
RT: 5.70 min Scan# 557

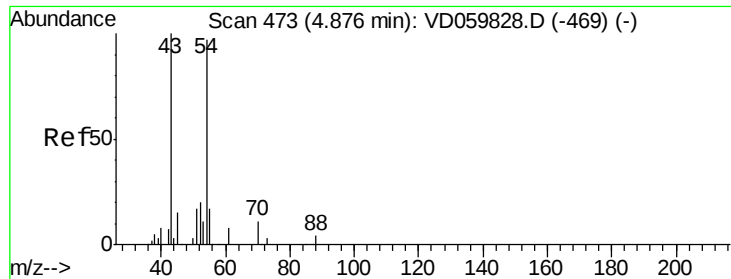
Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Tgt Ion:	75	Resp:	592832
Ion Ratio	Lower	Upper	
75	100		
110	38.4	18.8	56.4
77	30.3	24.9	37.3





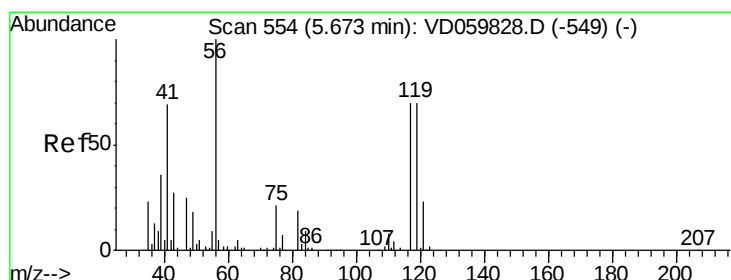
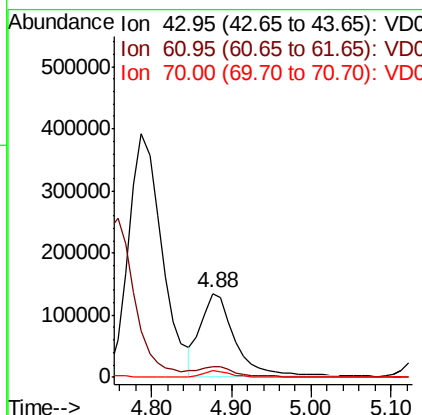
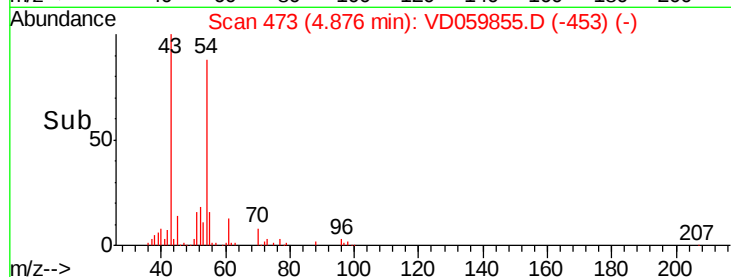
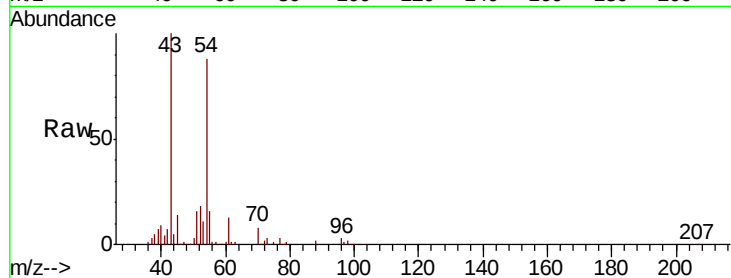
#37
Ethyl Acetate
Concen: 44.95 ug/l
RT: 4.88 min Scan# 473
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.4	15.6
70	7.7	6.2	9.2

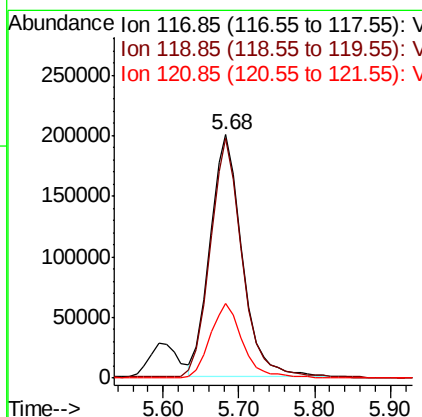
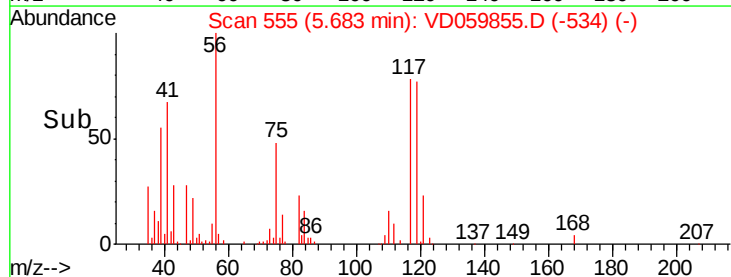
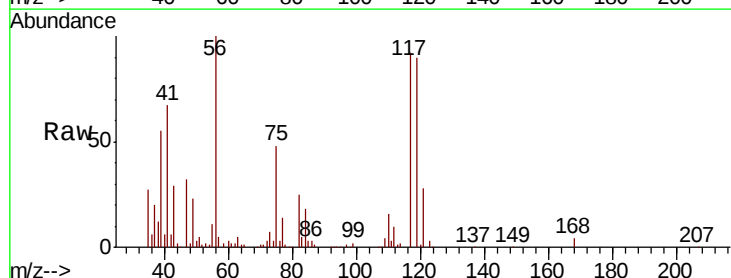
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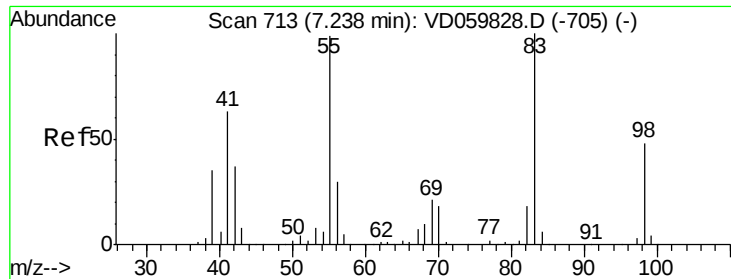
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#38
Carbon Tetrachloride
Concen: 49.92 ug/l
RT: 5.68 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.0	115.4
121	30.5	24.7	37.1





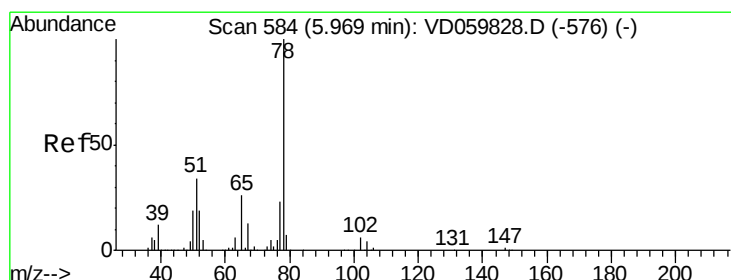
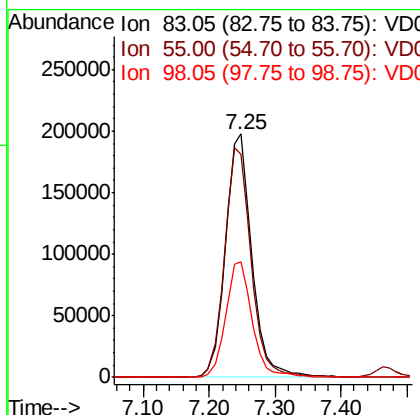
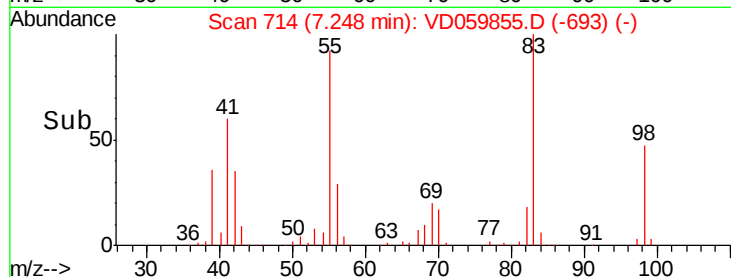
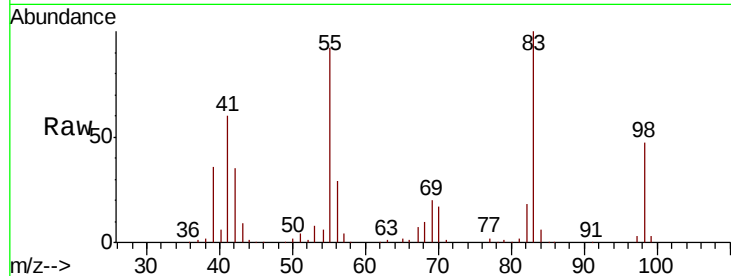
#39
Methvlcvclohexane
Concen: 43.79 ug/l
RT: 7.25 min Scan# 714
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.6	79.0	118.6
98	47.5	38.1	57.1

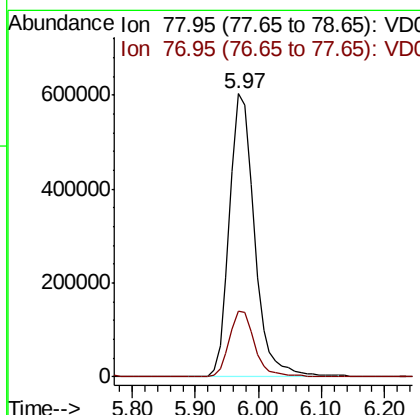
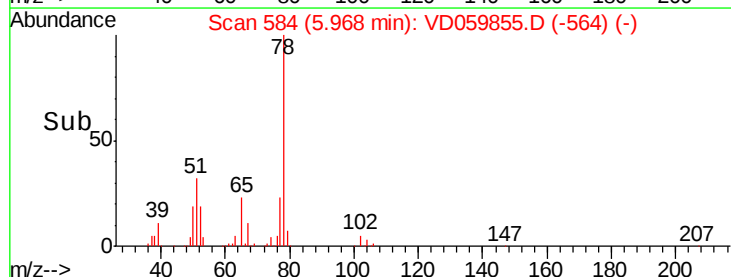
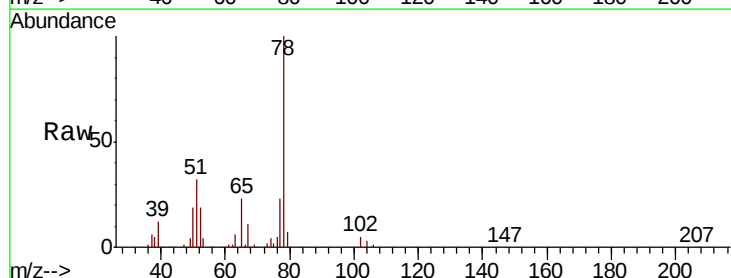
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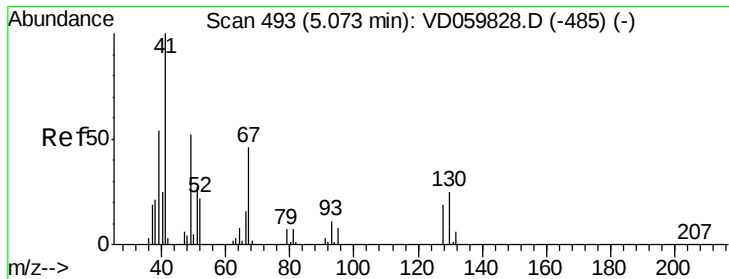
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#40
Benzene
Concen: 54.48 ug/l
RT: 5.97 min Scan# 584
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





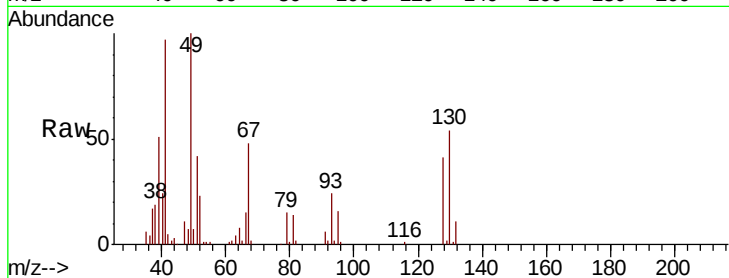
#41
Methacrylonitrile
Concen: 44.12 ug/l
RT: 5.08 min Scan# 494
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

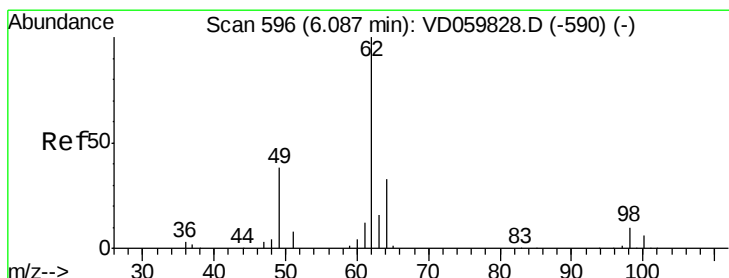
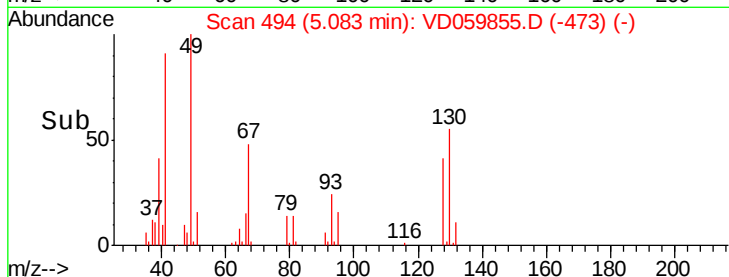
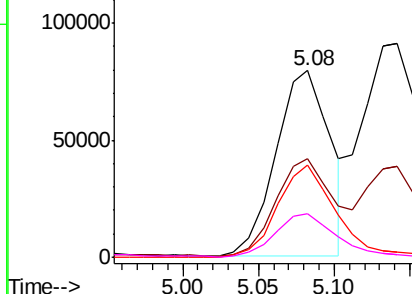
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.8	43.0	64.6
67	49.2	36.7	55.1
52	23.3	18.0	27.0

Manual Integrations
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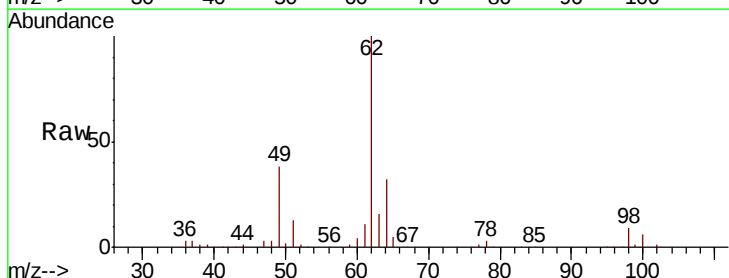


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

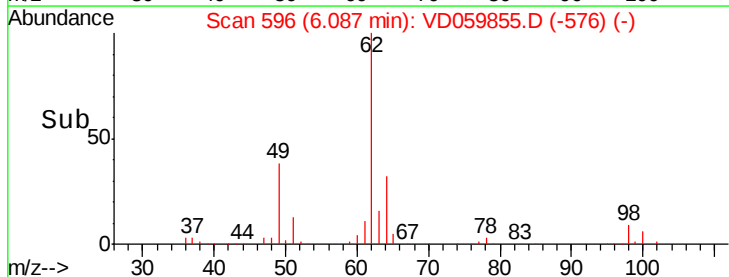
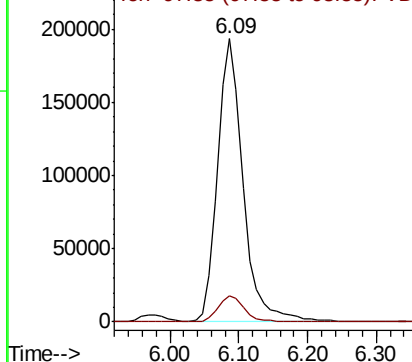


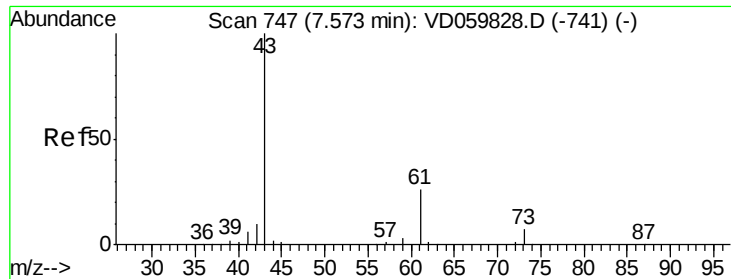
#42
1,2-Dichloroethane
Concen: 49.55 ug/l
RT: 6.09 min Scan# 596
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

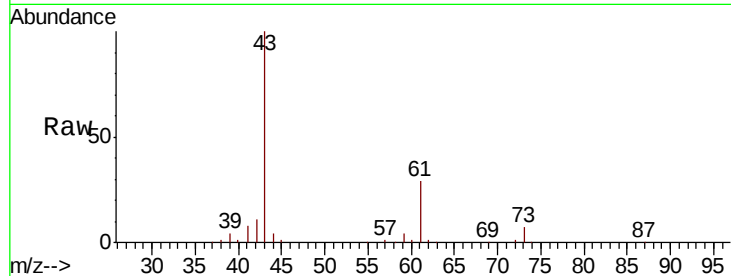
Isopropyl Acetate
 Concen: 42.68 ug/l
 RT: 7.58 min Scan# 748
 Delta R.T. 0.01 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MS

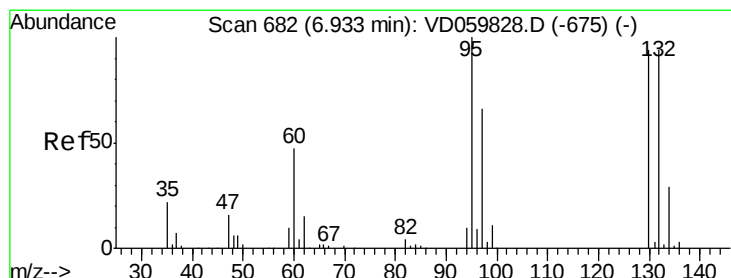
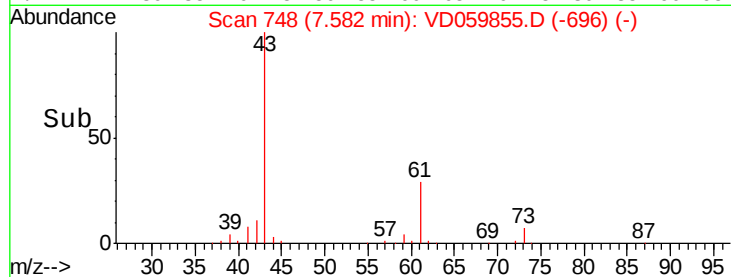
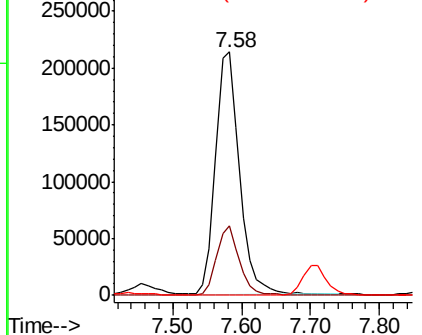
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	21.0	31.4
87	0.4	0.2	0.4

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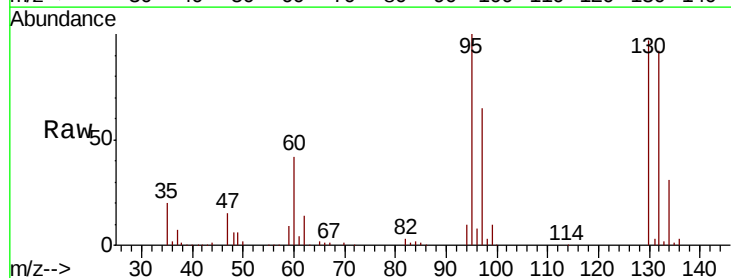
Abundance Ion 42.95 (42.65 to 43.65): VD059828.D (-741) (-)
 Ion 60.95 (60.65 to 61.65): VD059828.D (-741) (-)
 Ion 87.00 (86.70 to 87.70): VD059828.D (-741) (-)



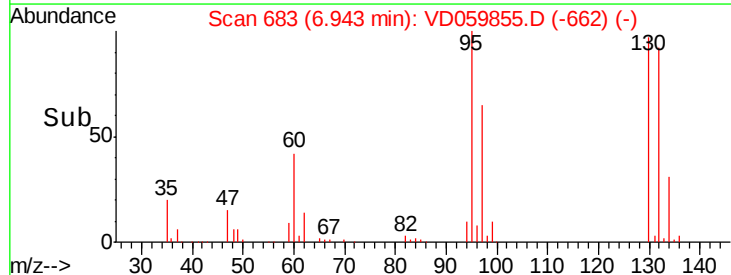
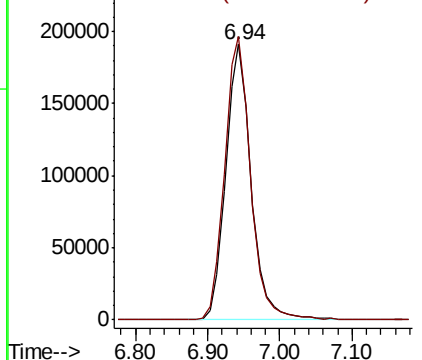
#44

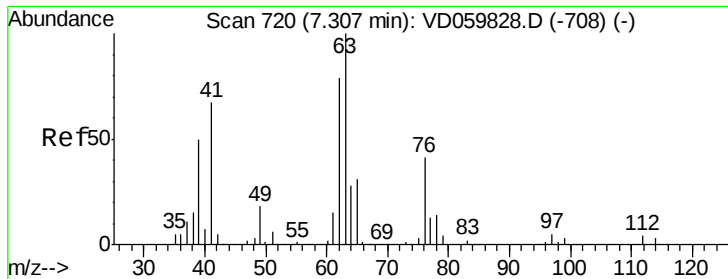
Trichloroethene
 Concen: 51.43 ug/l
 RT: 6.94 min Scan# 683
 Delta R.T. 0.01 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	213.0



Abundance Ion 129.80 (129.50 to 130.50): VD059828.D (-675) (-)
 Ion 94.90 (94.60 to 95.60): VD059828.D (-675) (-)





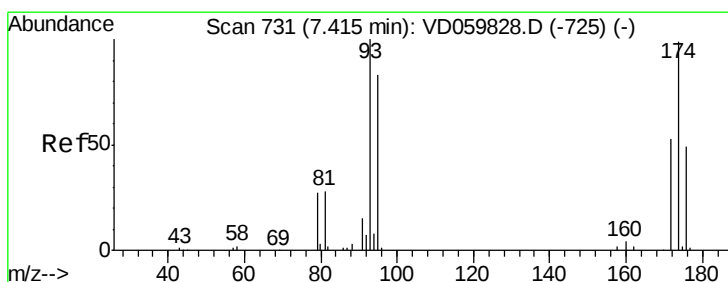
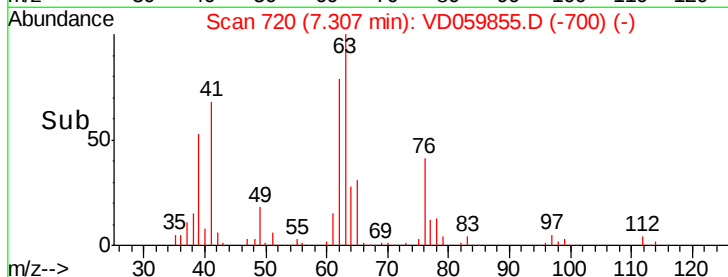
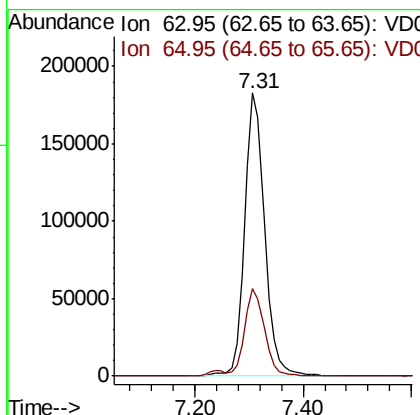
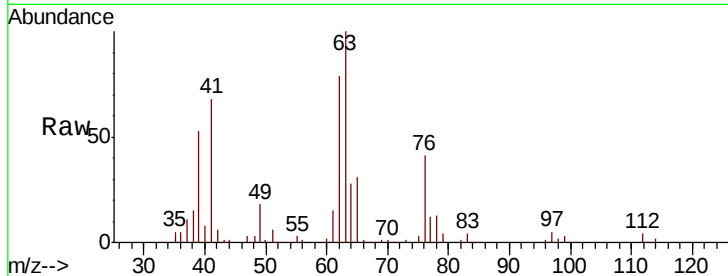
#45
 1,2-Dichloropropane
 Concen: 52.31 ug/l
 RT: 7.31 min Scan# 720
 Delta R.T. -0.00 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MS

Tot Ion: 63 Resp: 468296
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.5 36.7

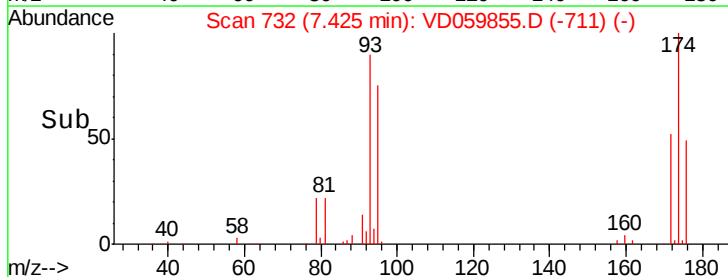
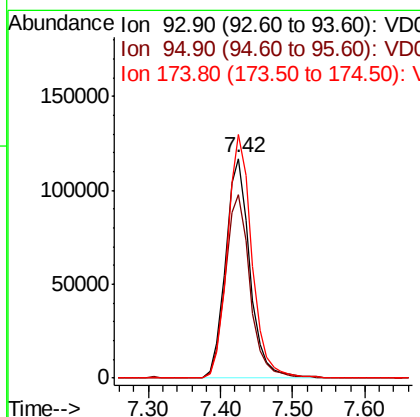
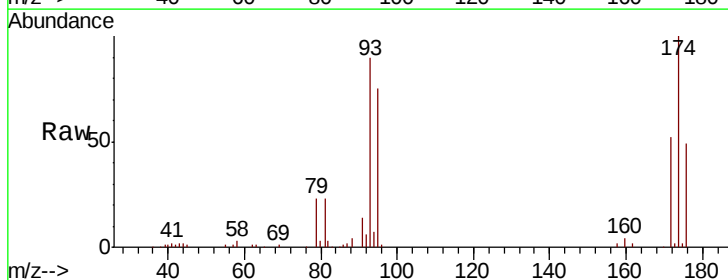
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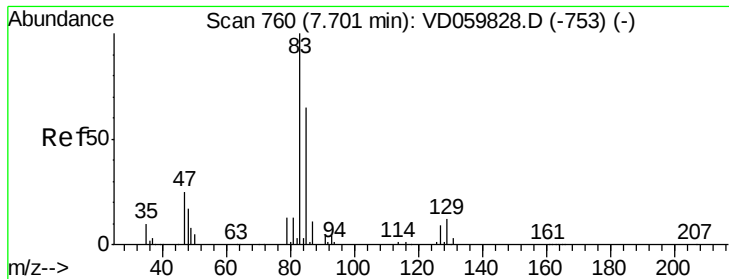
apatel
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#46
 Dibromomethane
 Concen: 49.12 ug/l
 RT: 7.42 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Tgt Ion: 93 Resp: 273813
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.3 99.5
 174 110.8 79.4 119.0





#47

Bromodichloromethane

Concen: 50.21 ug/l

RT: 7.70 min Scan# 760

Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

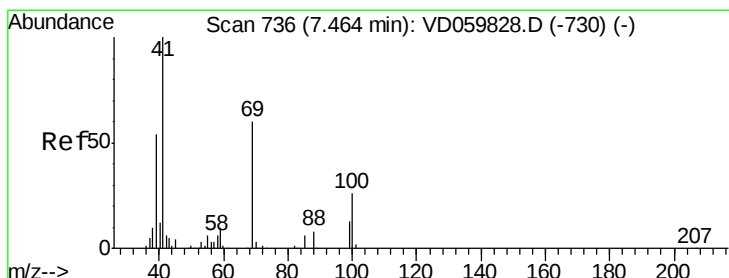
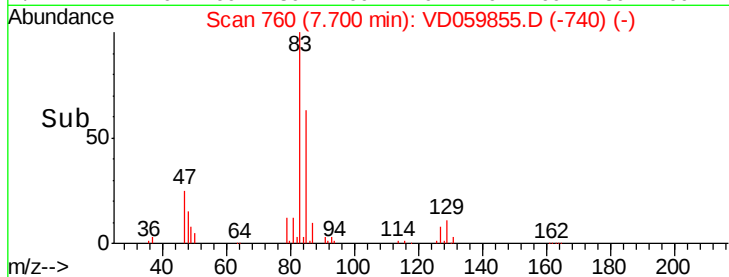
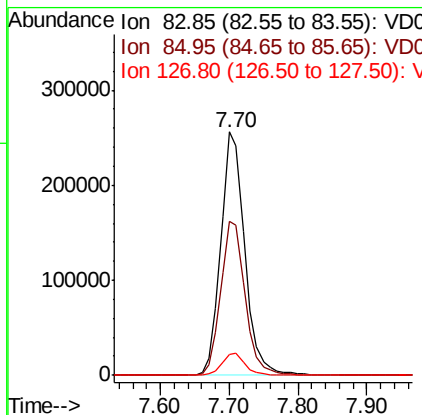
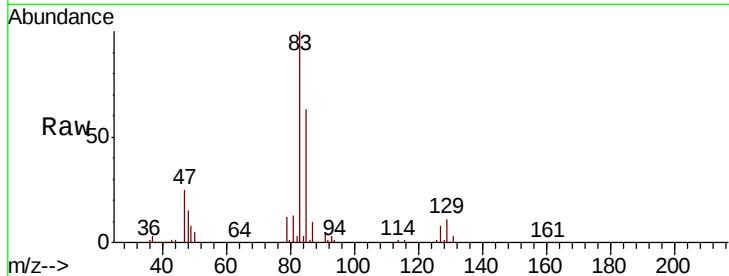
ClientSampleId :

RA-081518-FL-031MS

Tot Ion:	83	Resp:	618008
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.4
127	8.5	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.14 ug/l

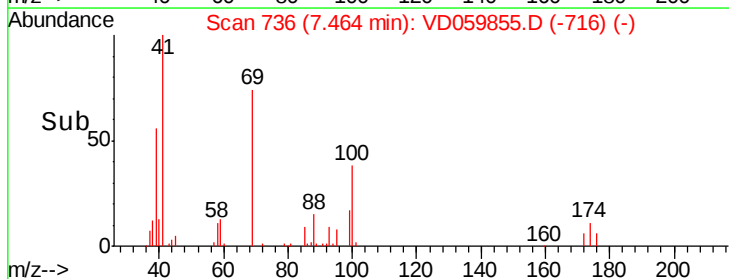
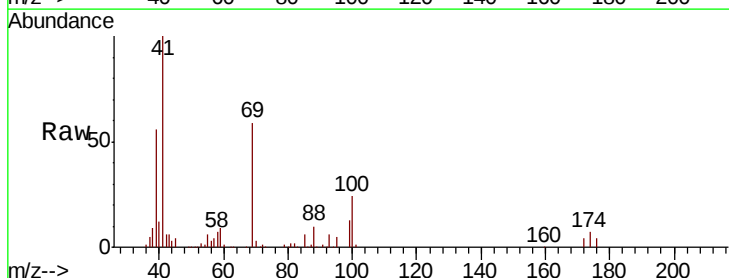
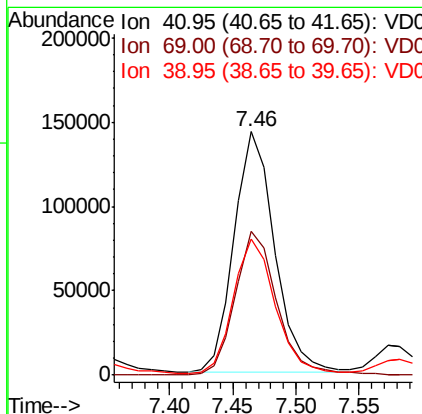
RT: 7.46 min Scan# 736

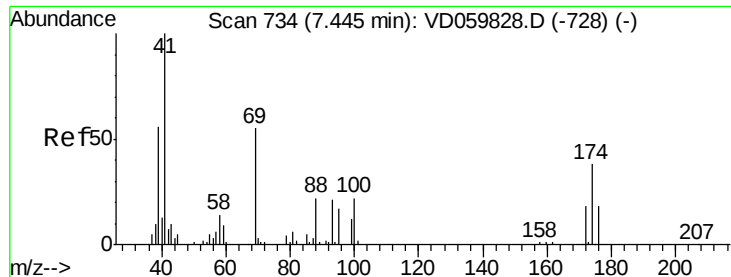
Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Tgt Ion:	41	Resp:	320370
Ion	Ratio	Lower	Upper
41	100		
69	59.2	47.0	70.4
39	55.9	43.4	65.2





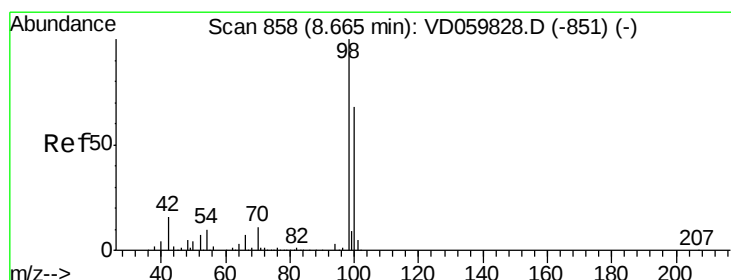
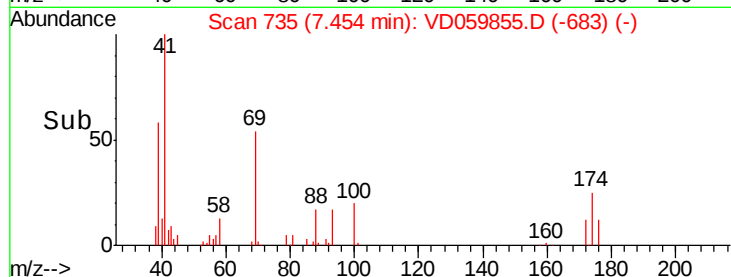
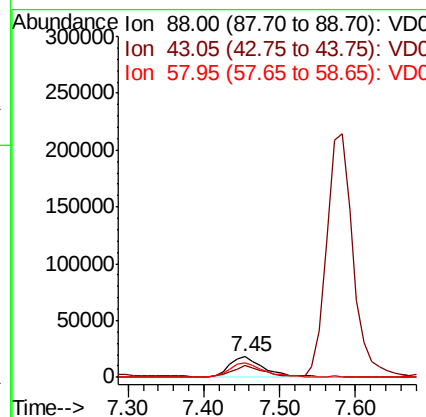
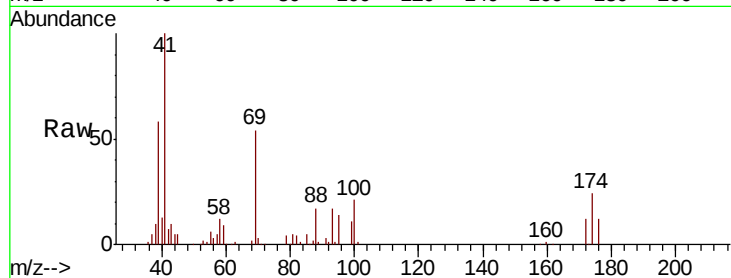
#49
1,4-Dioxane
Concen: 1029.48 ug/l
RT: 7.45 min Scan# 735
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion	88	Resp	57977
Ion Ratio	Lower	Upper	
88	100		
43	57.8	41.4	62.0
58	72.0	52.4	78.6

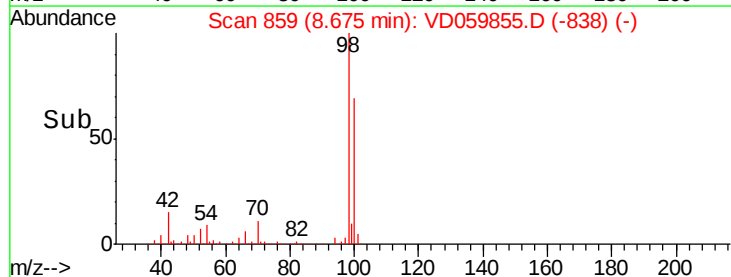
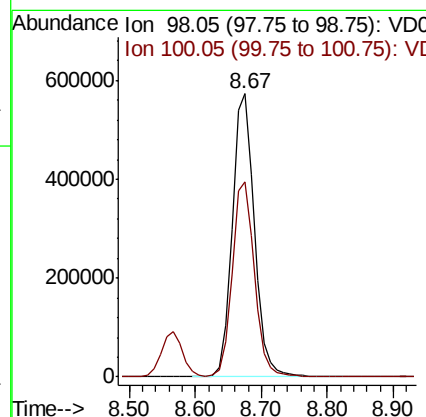
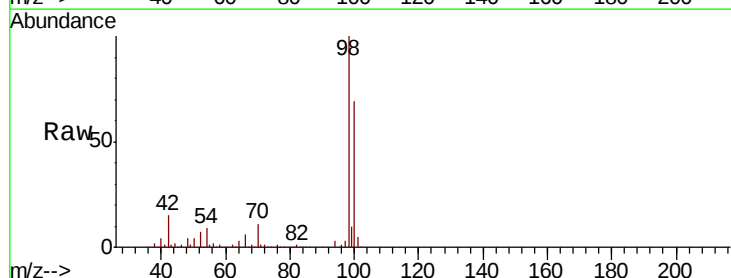
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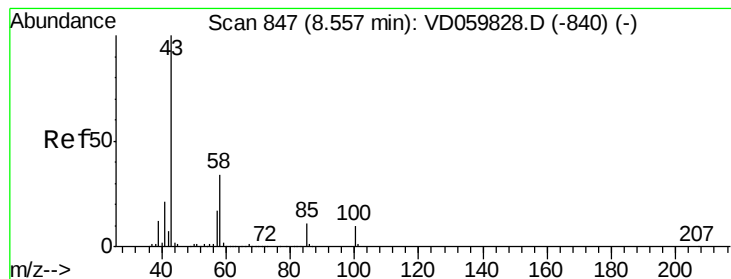
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#50
Toluene-d8
Concen: 1029.48 ug/l
RT: 8.67 min Scan# 859
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion	98	Resp	1348098
Ion Ratio	Lower	Upper	
98	100		
100	69.1	55.0	82.4





#51

4-Methyl-2-Pentanone

Concen: 268.83 ug/l

RT: 8.57 min Scan# 848

Delta R.T. 0.01 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MS

Tot Ion: 43 Resp: 2168649

Ion Ratio Lower Upper

43 100

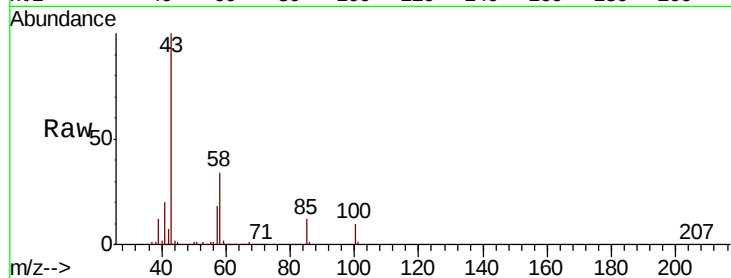
58 34.0 27.0 40.4

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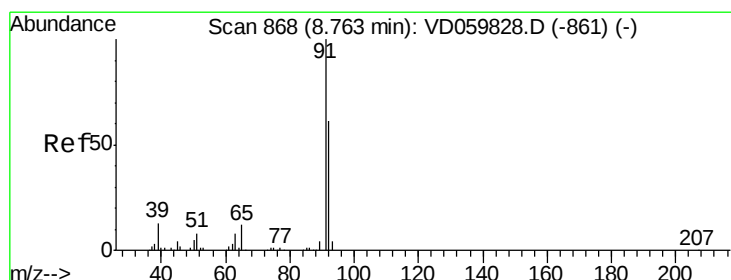
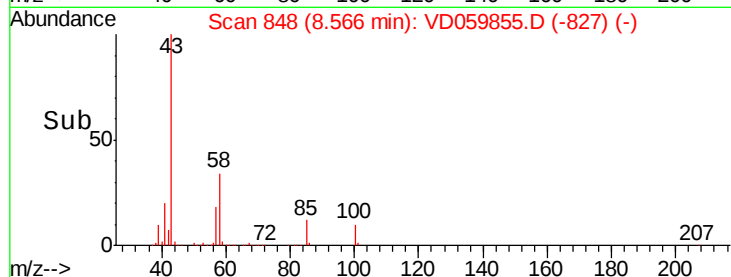
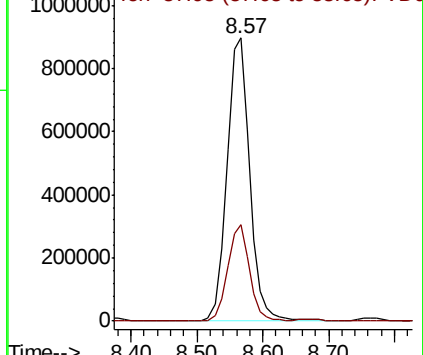
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.37 ug/l

RT: 8.76 min Scan# 868

Delta R.T. -0.00 min

Lab File: VD059855.D

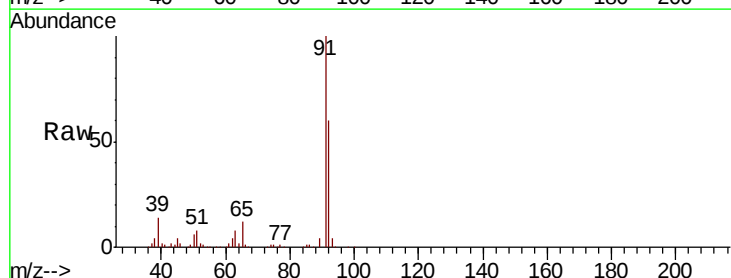
Acq: 21 Aug 2018 14:57

Tgt Ion: 92 Resp: 951907

Ion Ratio Lower Upper

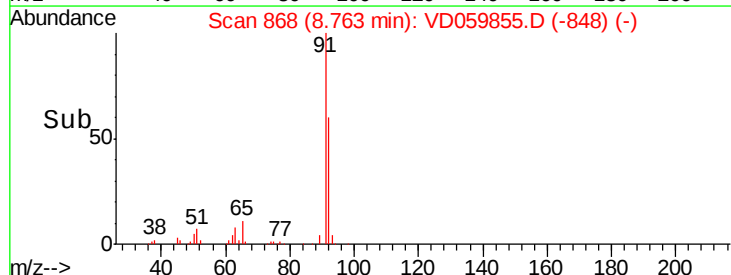
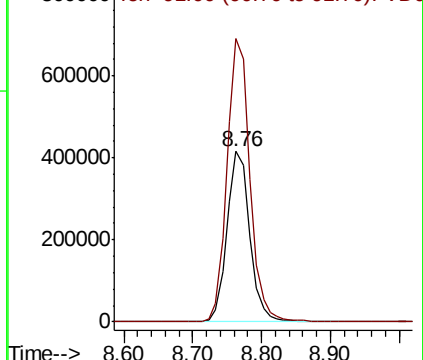
92 100

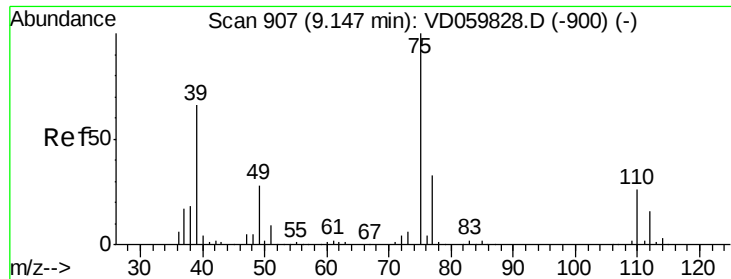
91 165.9 131.7 197.5



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: 48.06 ug/l

RT: 9.15 min Scan# 907

Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MS

Tot Ion: 75 Resp: 538835

Ion Ratio Lower Upper

75 100

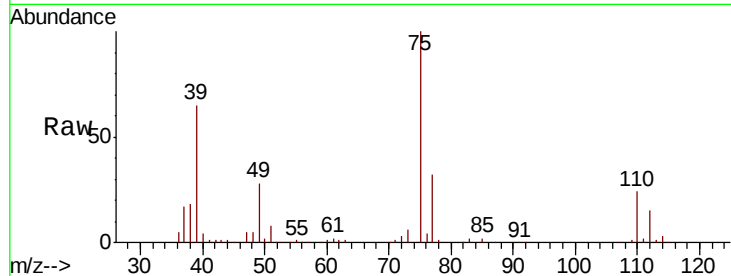
77 32.0 26.3 39.5

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.15

250000

200000

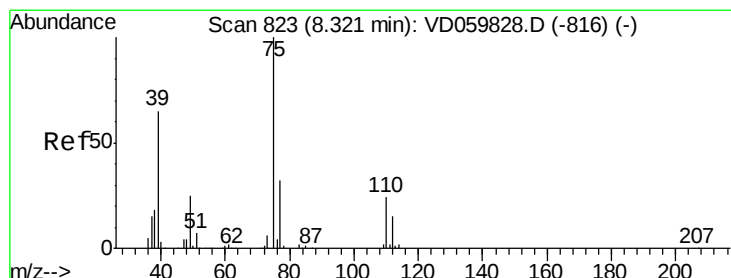
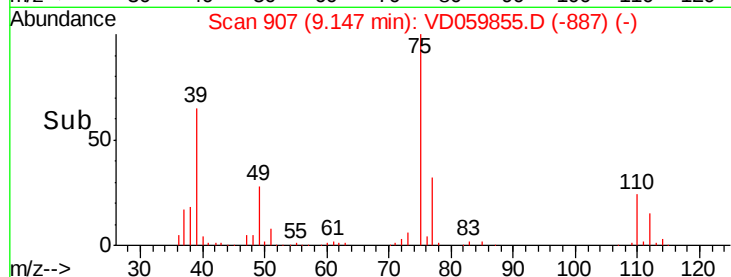
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.86 ug/l

RT: 8.32 min Scan# 823

Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

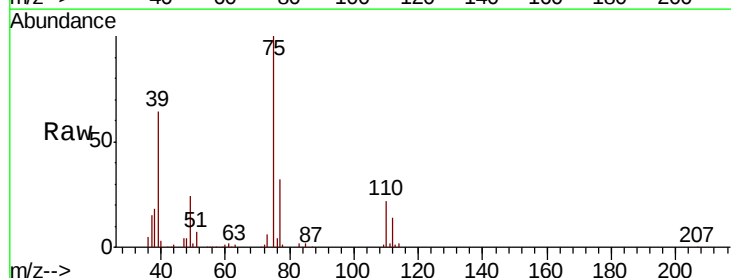
Tgt Ion: 75 Resp: 669394

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

39 64.2 52.2 78.4



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

8.32

400000

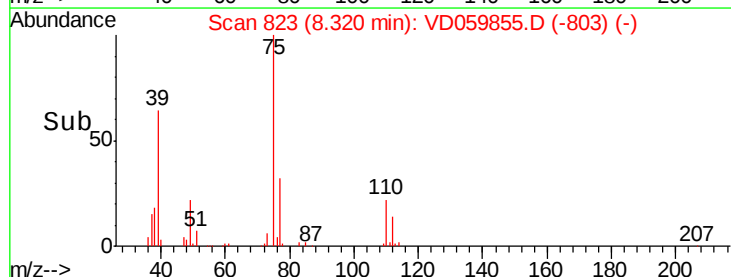
300000

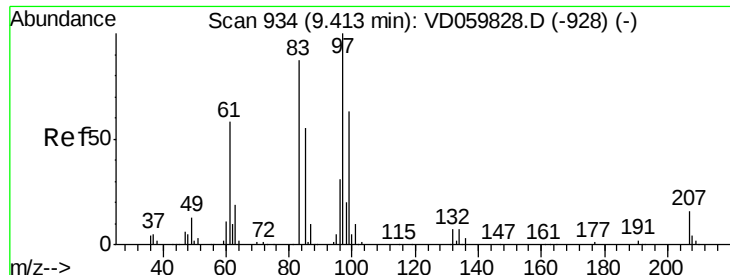
200000

100000

0

Time-->





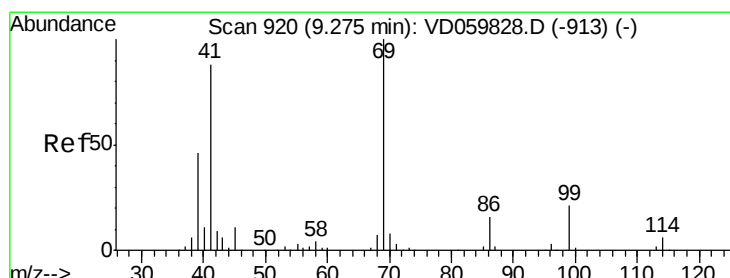
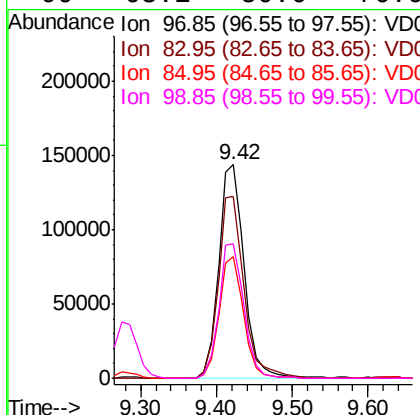
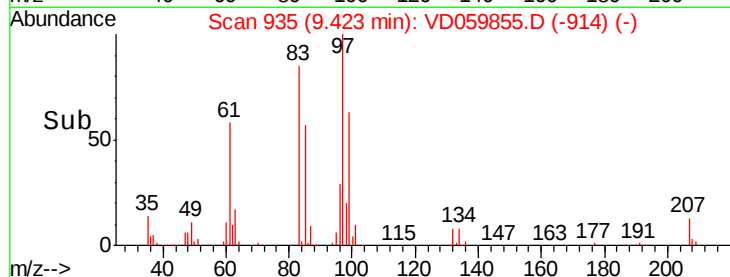
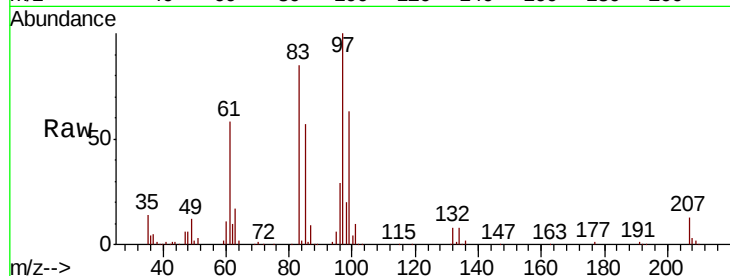
#55
 1,1,2-Trichloroethane
 Concen: 47.88 ug/l
 RT: 9.42 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		333223		
83	85.3	69.2	103.8		
85	56.7	44.3	66.5		
99	63.1	50.6	76.0		

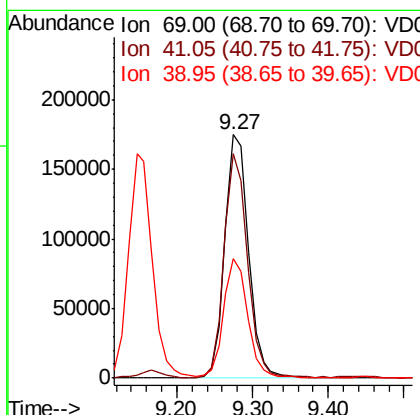
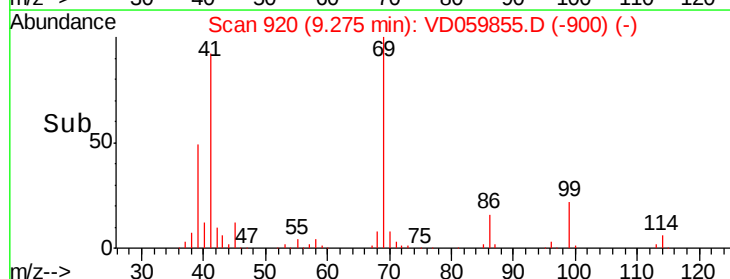
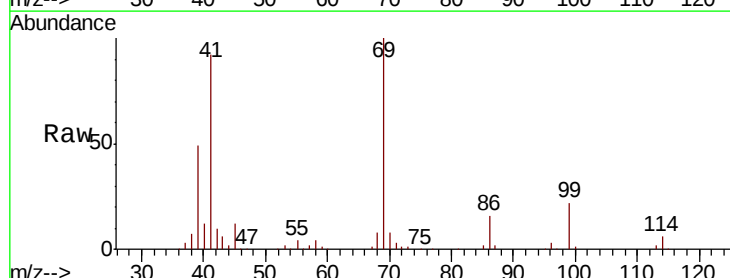
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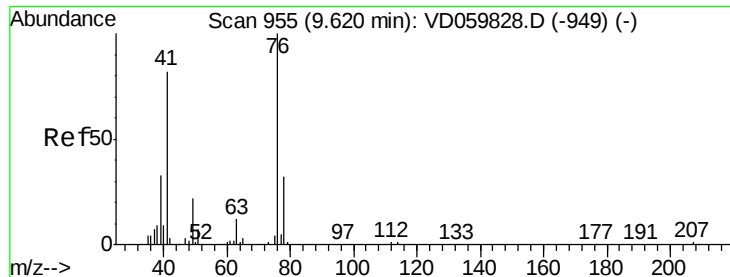
apatel
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#56
 Ethyl methacrylate
 Concen: 47.44 ug/l
 RT: 9.27 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		380684		
41	92.2	71.0	106.4		
39	49.0	38.0	57.0		





#57

1,3-Dichloropropane

Concen: 49.68 ug/l

RT: 9.63 min Scan# 956

Delta R.T. 0.01 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MS

Tot Ion: 76 Resp: 505494

Ion Ratio Lower Upper

76 100

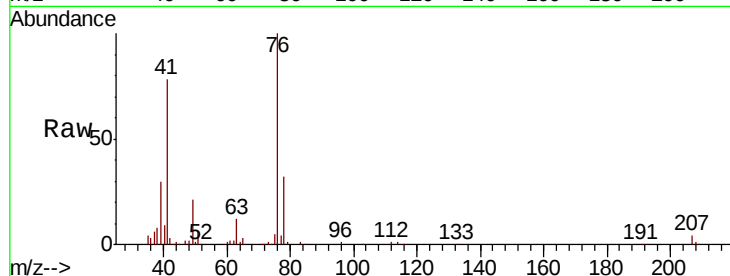
78 32.4 25.5 38.3

Manual Integrations

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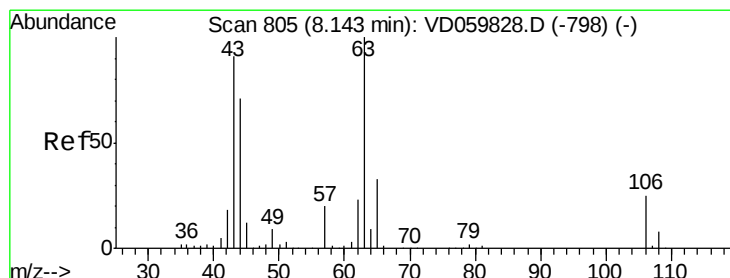
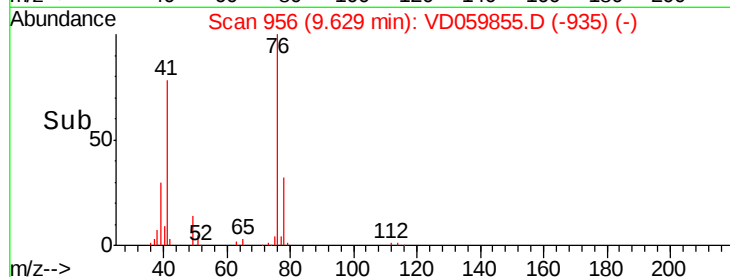
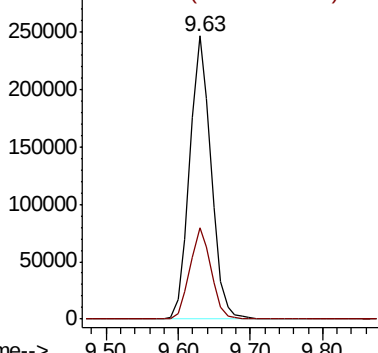
apatel

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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: 214.12 ug/l

RT: 8.15 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD059855.D

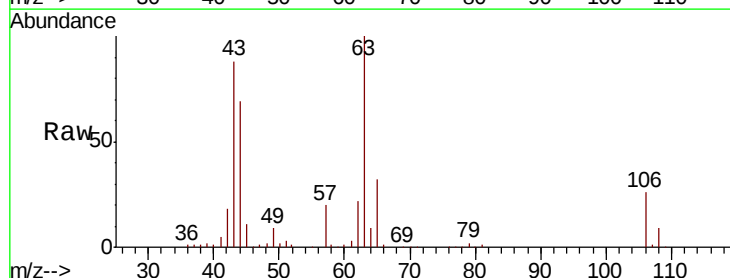
Acq: 21 Aug 2018 14:57

Tgt Ion: 63 Resp: 960665

Ion Ratio Lower Upper

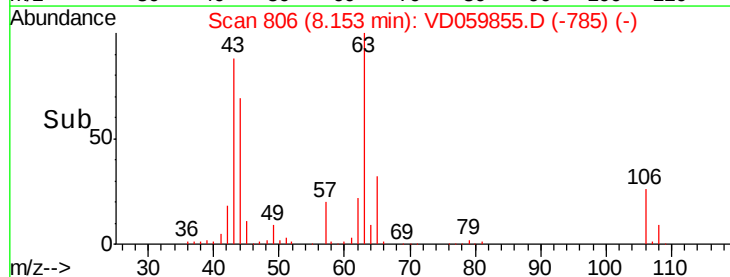
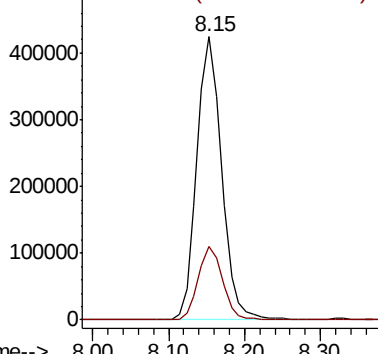
63 100

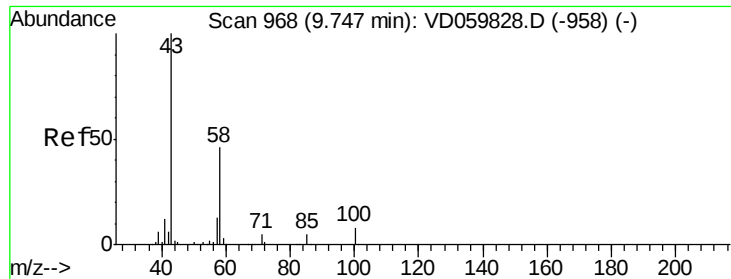
106 25.8 19.6 29.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





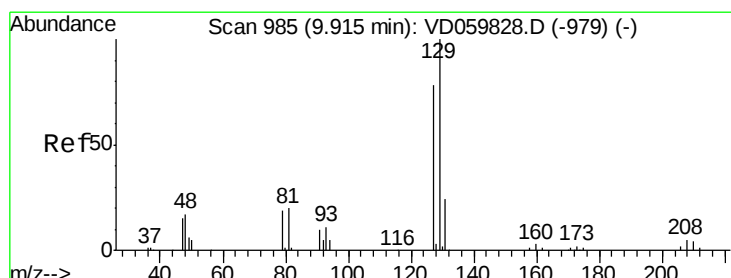
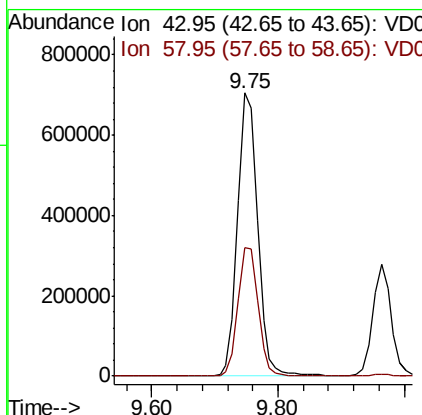
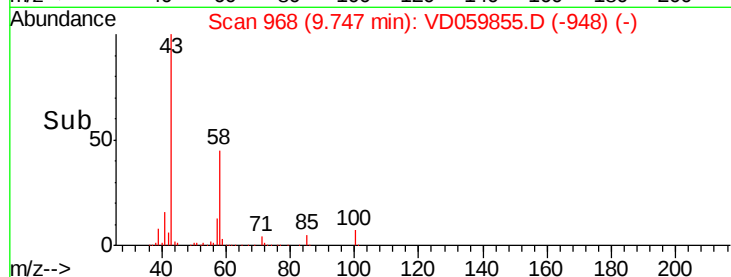
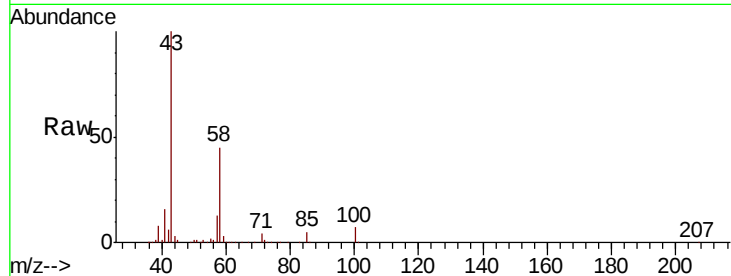
#59
2-Hexanone
Concen: 258.07 ug/l
RT: 9.75 min Scan# 968
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion: 43 Resp: 1538803
Ion Ratio Lower Upper
43 100
58 45.3 23.1 69.2

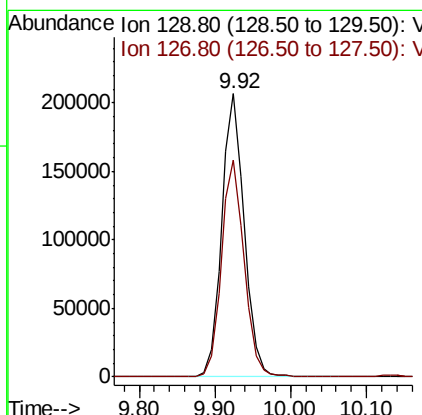
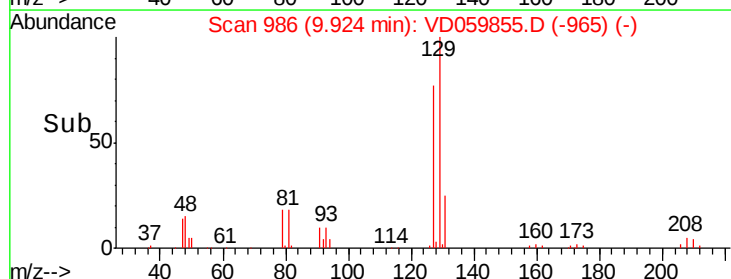
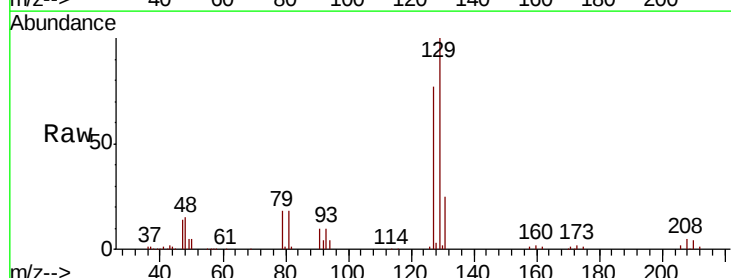
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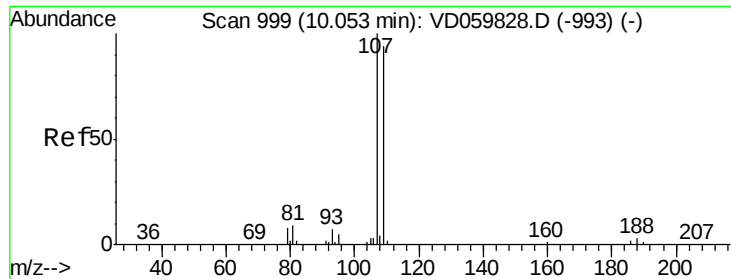
apatel
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#60
Dibromochloromethane
Concen: 47.44 ug/l
RT: 9.92 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion: 129 Resp: 425164
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9





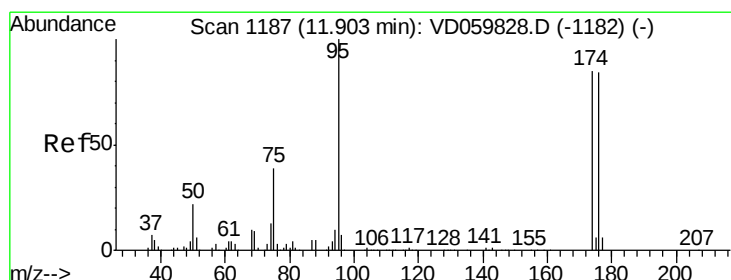
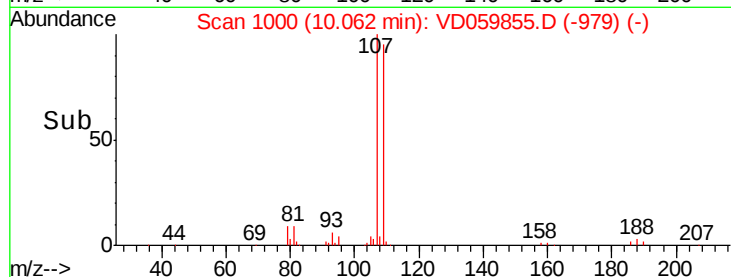
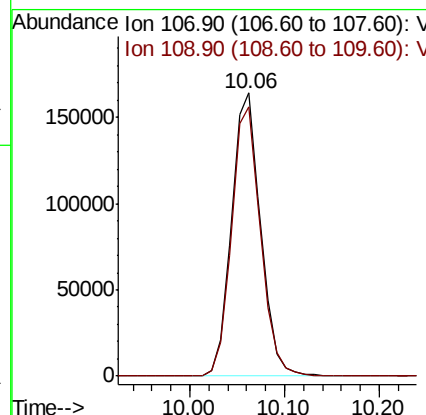
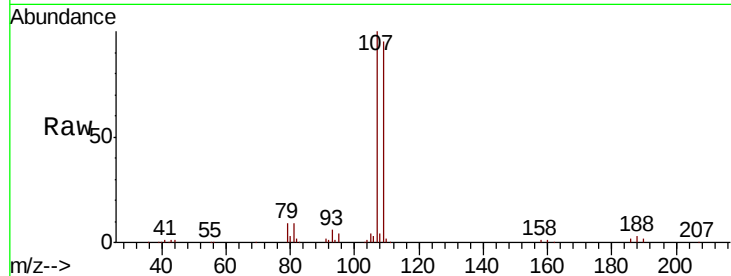
#61
 1,2-Dibromoethane
 Concen: 46.62 ug/l
 RT: 10.06 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.0	112.6

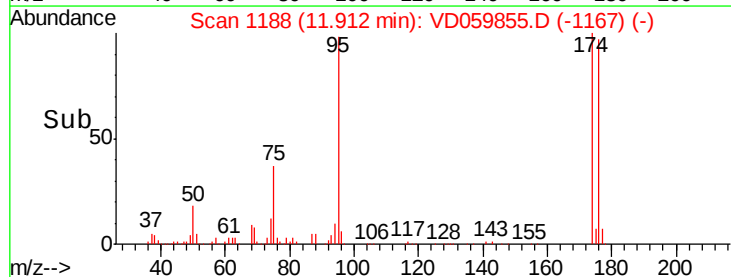
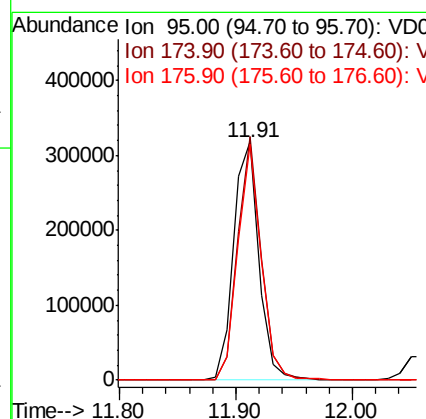
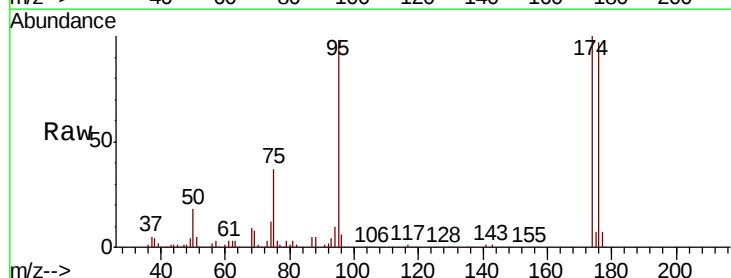
Manual Integrations
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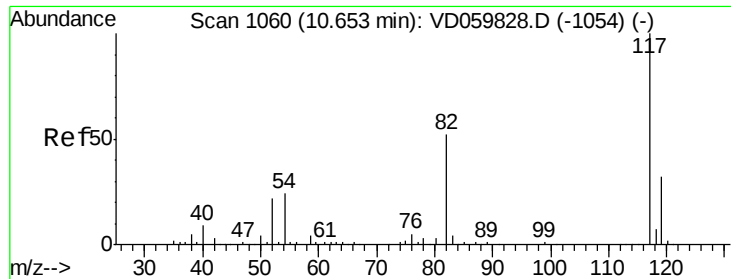
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#62
 4-Bromofluorobenzene
 Concen: 46.62 ug/l
 RT: 11.91 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	102.4	0.0	169.2
176	99.0	0.0	168.0





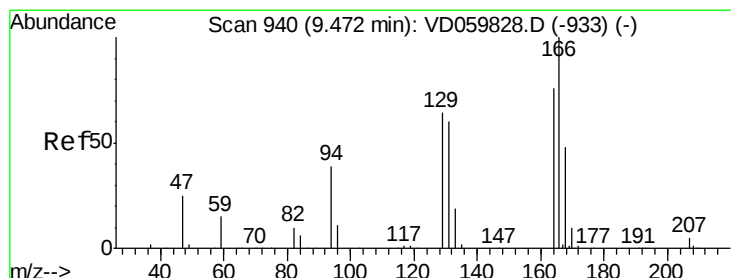
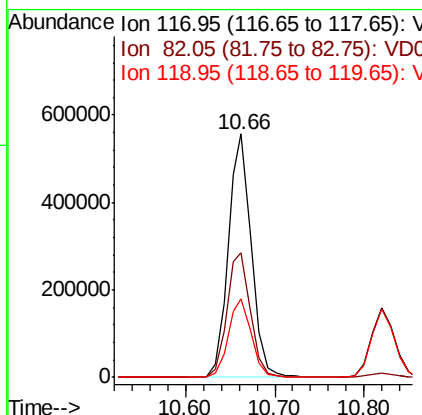
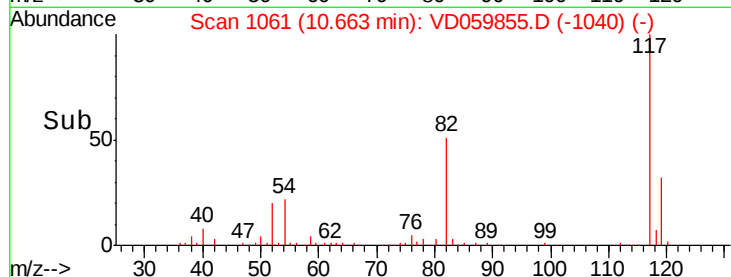
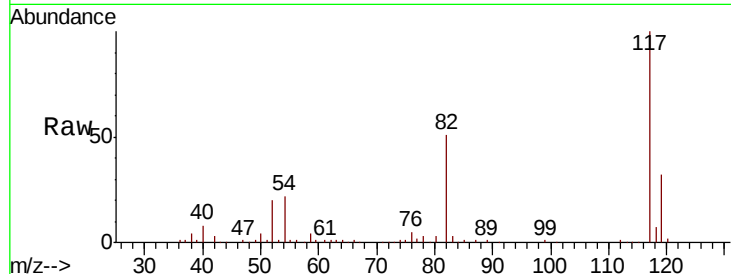
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.66 min Scan# 1061
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion:117 Resp: 1010623
Ion Ratio Lower Upper
117 100
82 51.2 41.6 62.4
119 32.4 25.6 38.4

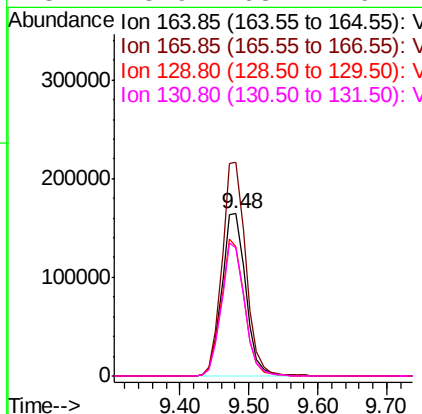
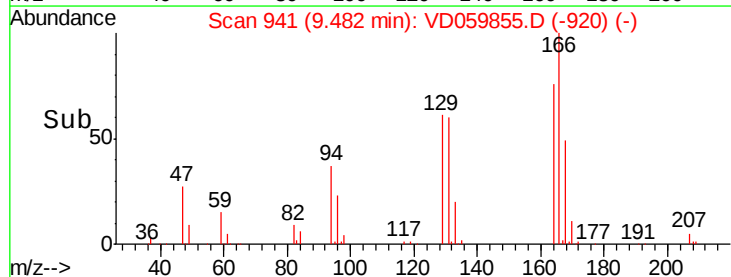
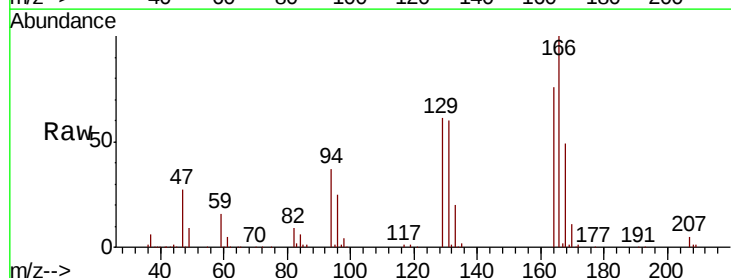
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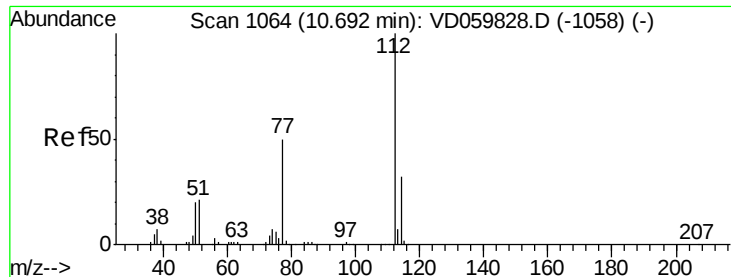
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#64
Tetrachloroethene
Concen: 53.16 ug/l
RT: 9.48 min Scan# 941
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion:164 Resp: 393359
Ion Ratio Lower Upper
164 100
166 131.8 104.9 157.3
129 80.1 66.7 100.1
131 78.9 63.1 94.7





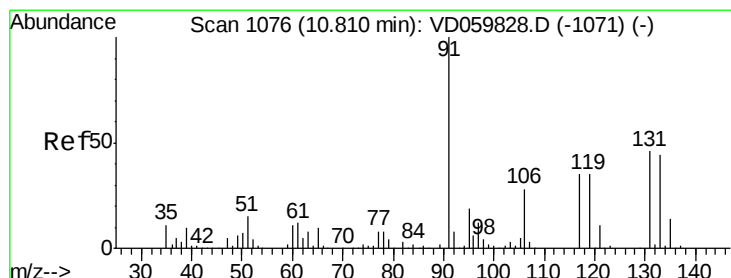
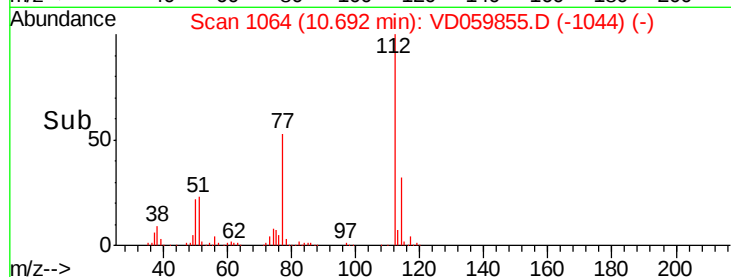
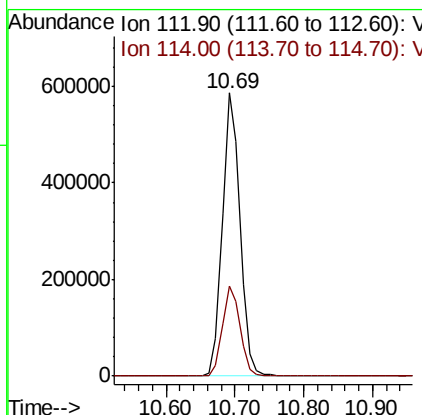
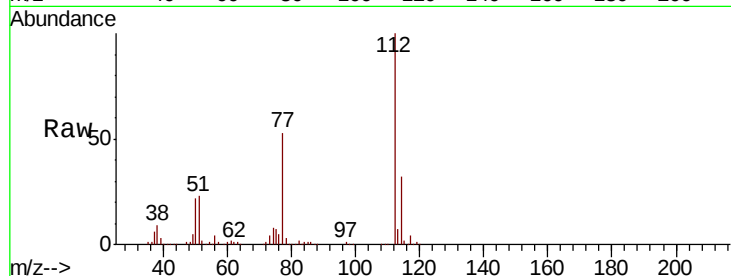
#65
Chlorobenzene
Concen: 53.23 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion:112 Resp: 1037451
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5

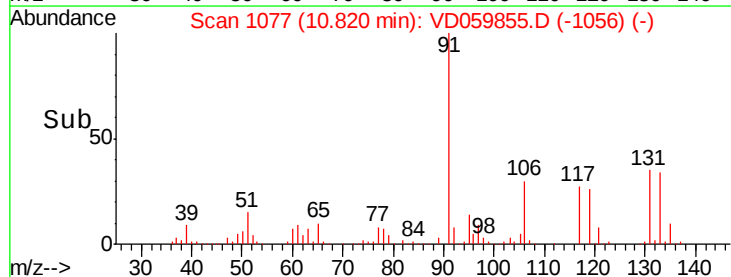
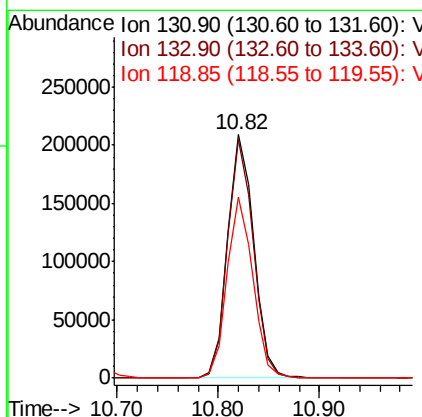
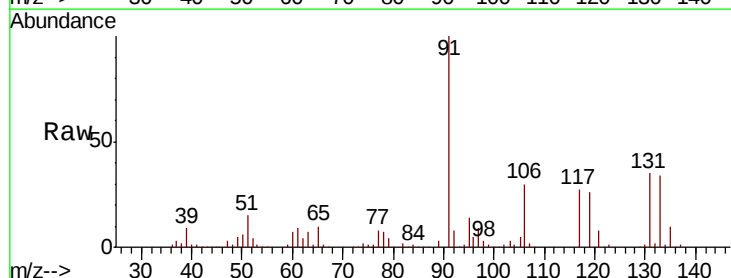
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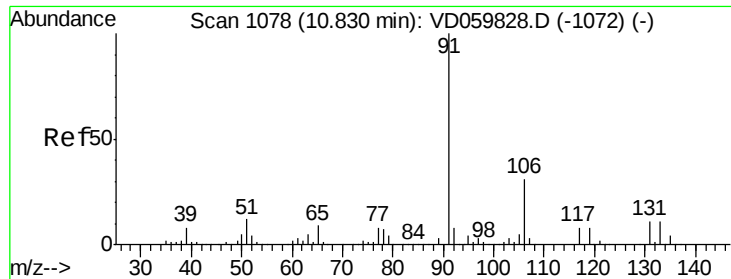
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.45 ug/l
RT: 10.82 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion:131 Resp: 375546
Ion Ratio Lower Upper
131 100
133 97.9 47.1 141.4
119 74.4 37.5 112.7





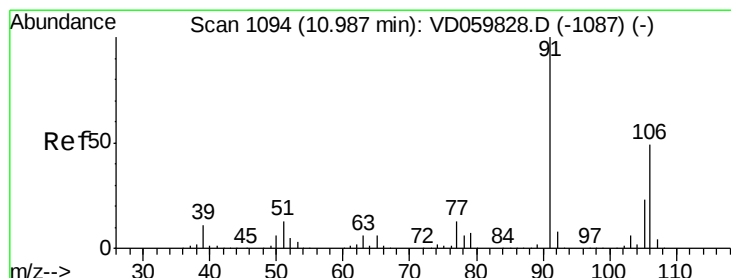
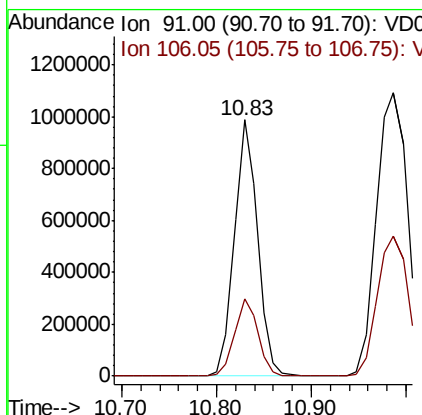
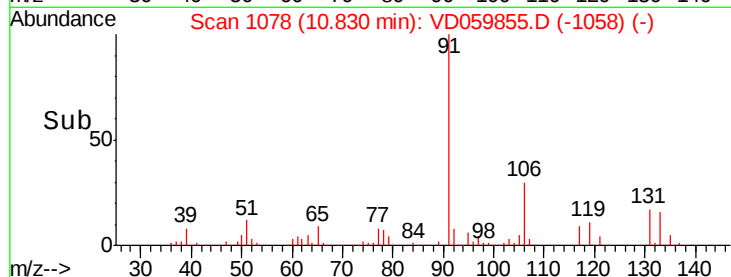
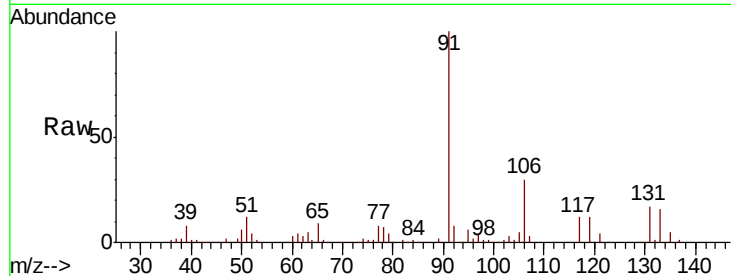
#67
Ethyl Benzene
Concen: 53.31 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion: 91 Resp: 1676808
Ion Ratio Lower Upper
91 100
106 30.2 25.1 37.7

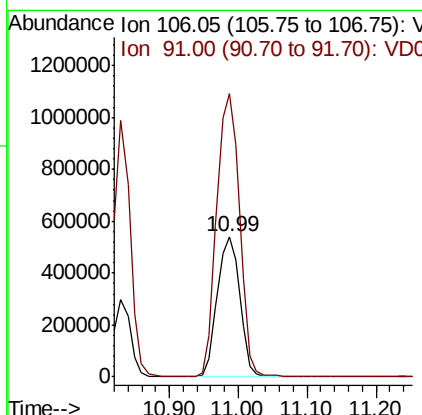
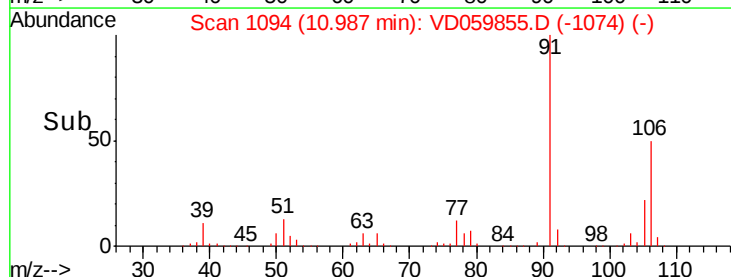
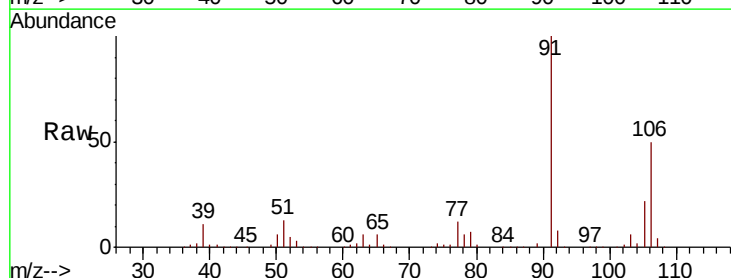
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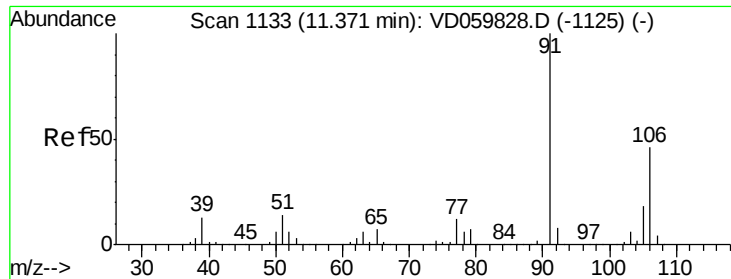
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#68
m/p-Xylenes
Concen: 105.06 ug/l
RT: 10.99 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion: 106 Resp: 1221990
Ion Ratio Lower Upper
106 100
91 201.4 161.8 242.8





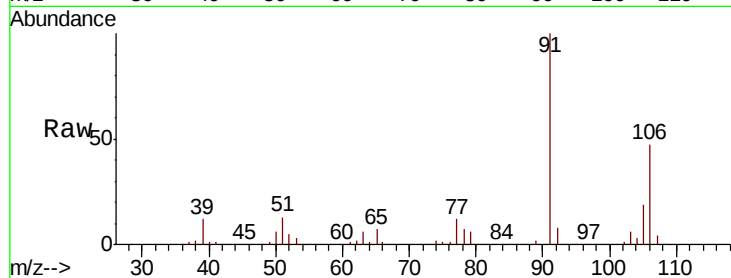
#69
o-Xylene
Concen: 54.54 ug/l
RT: 11.38 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

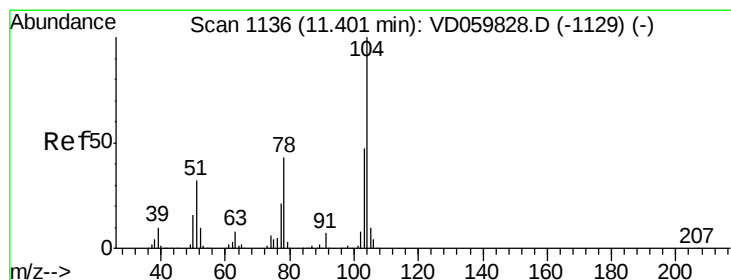
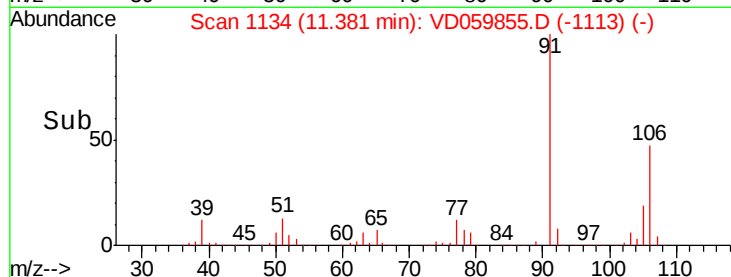
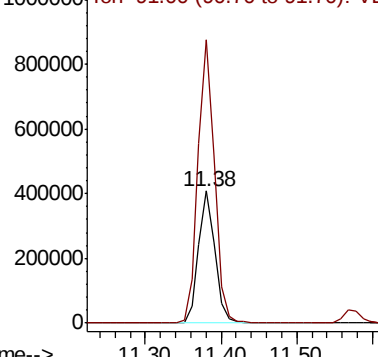
Tot Ion:106 Resp: 615924
Ion Ratio Lower Upper
106 100
91 213.9 108.5 325.3

Manual Integrations
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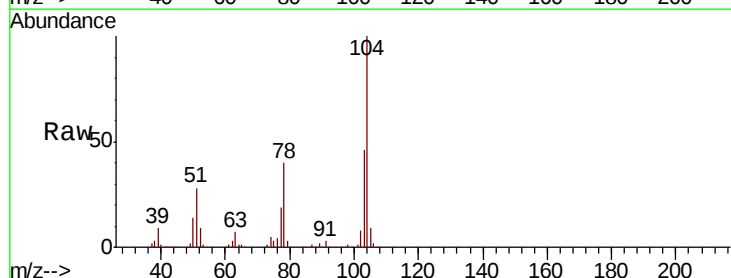


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

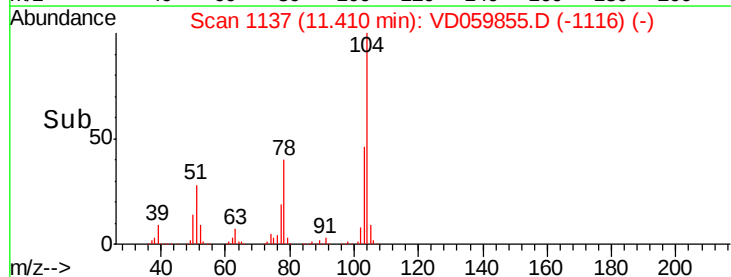
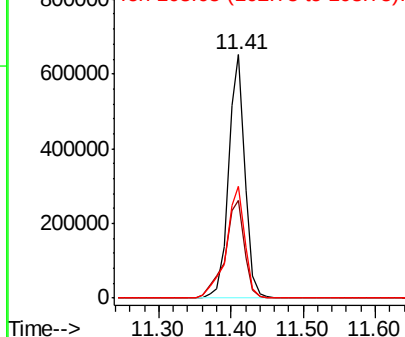


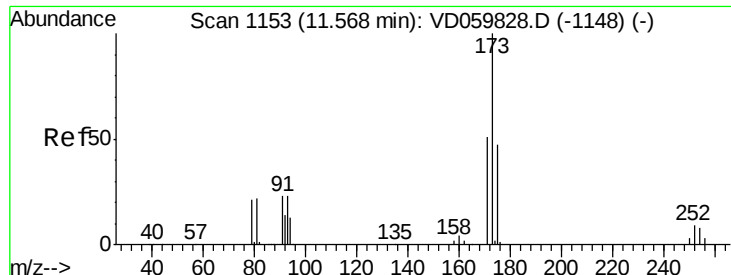
#70
Styrene
Concen: 51.69 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion:104 Resp: 1016629
Ion Ratio Lower Upper
104 100
78 40.0 34.6 52.0
103 46.0 37.8 56.6



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





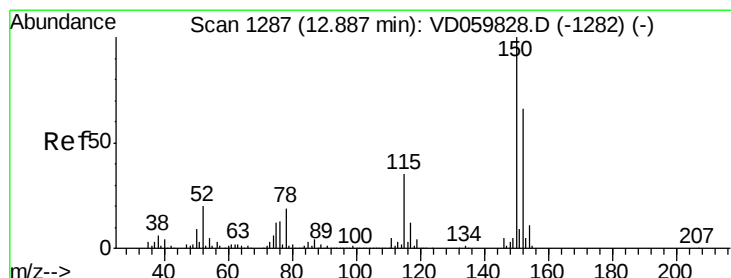
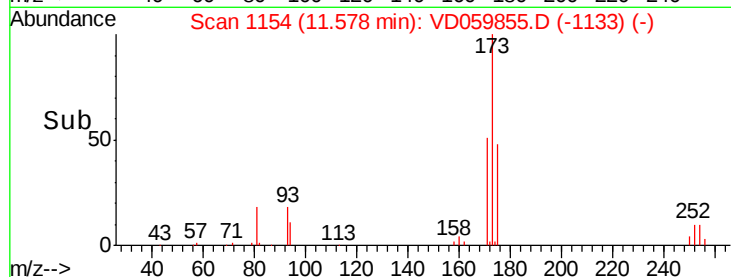
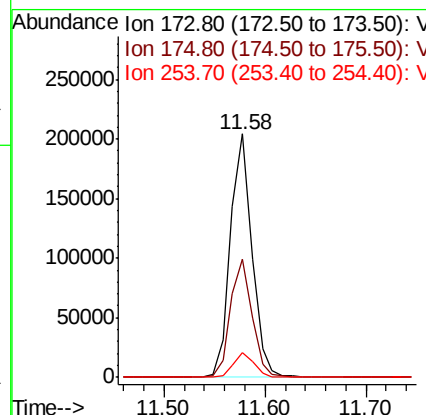
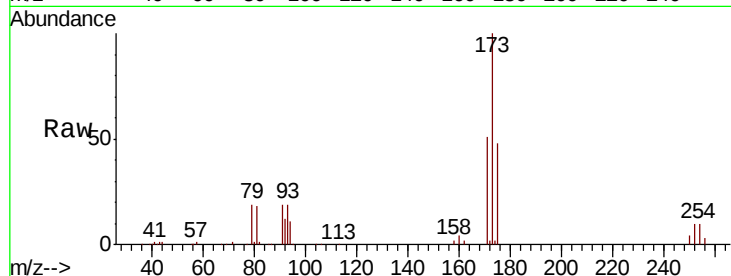
#71
Bromoform
Concen: 50.69 ug/l
RT: 11.58 min Scan# 1154
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.7	71.1
254	10.1	6.7	10.1

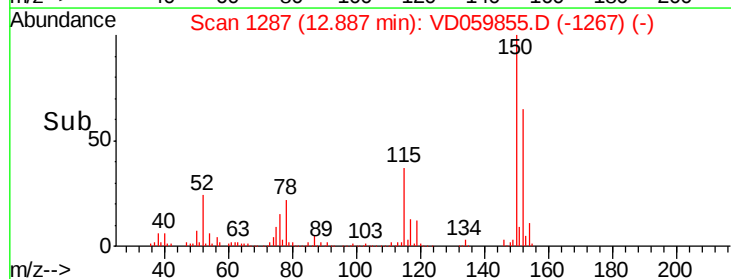
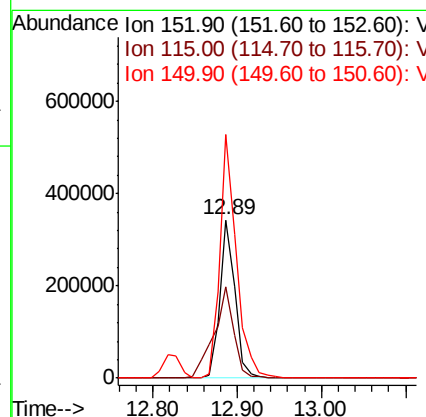
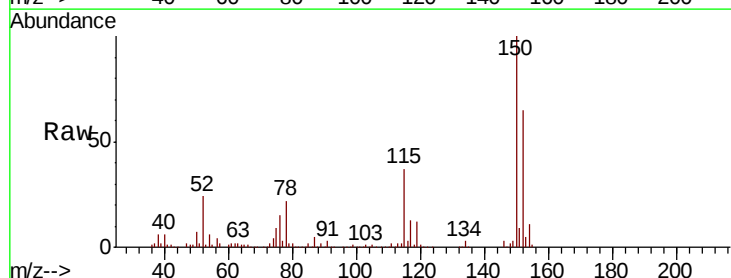
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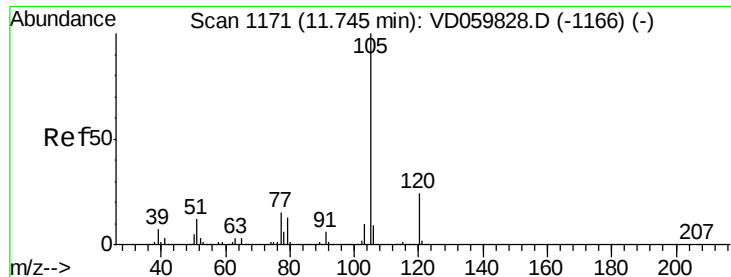
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.89 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	26.9	80.6
150	153.9	0.0	306.8





#73

Isopropylbenzene

Concen: 53.29 ug/l

RT: 11.75 min Scan# 1172

Delta R.T. 0.01 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MS

Tot Ion: 105 Resp: 1554366

Ion Ratio Lower Upper

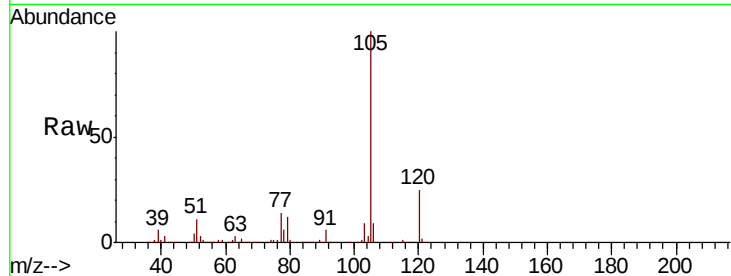
105 100

120 24.6 11.9 35.5

Manual Integrations
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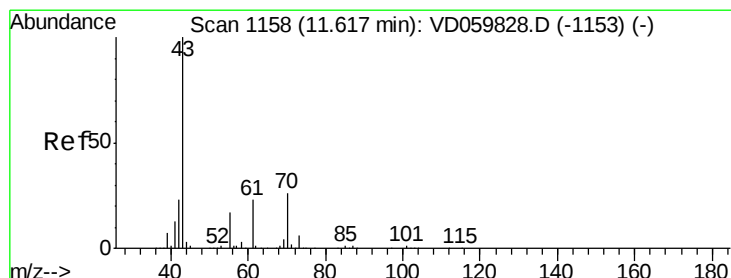
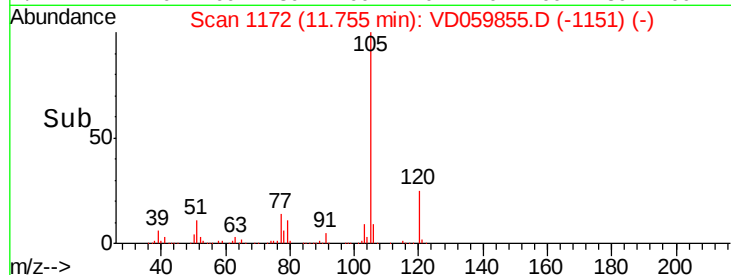
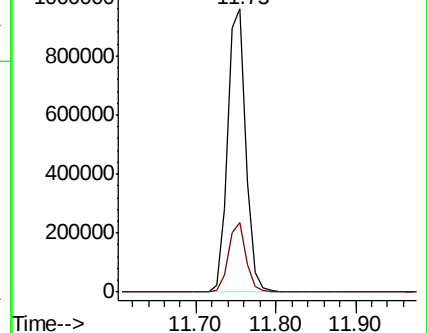
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 46.56 ug/l

RT: 11.63 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Tgt Ion: 43 Resp: 608114

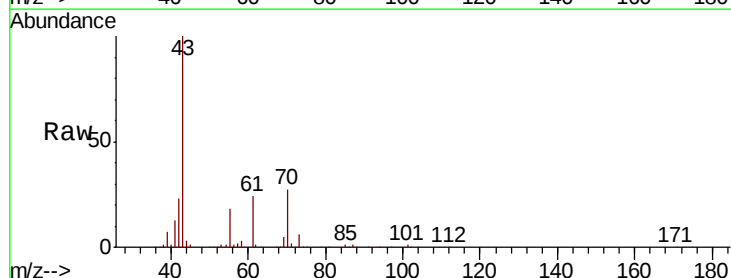
Ion Ratio Lower Upper

43 100

70 27.2 20.5 30.7

55 17.7 13.7 20.5

61 23.6 18.0 27.0

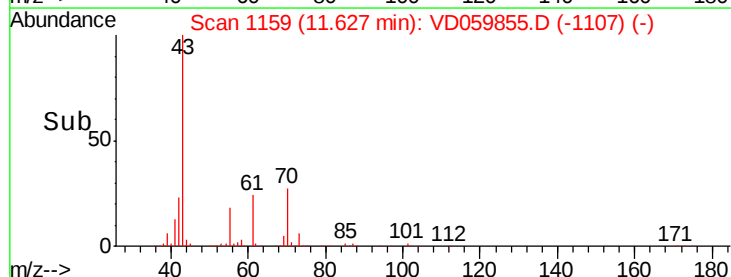
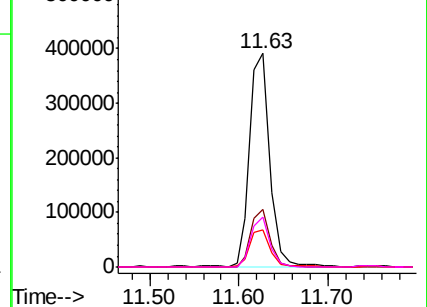


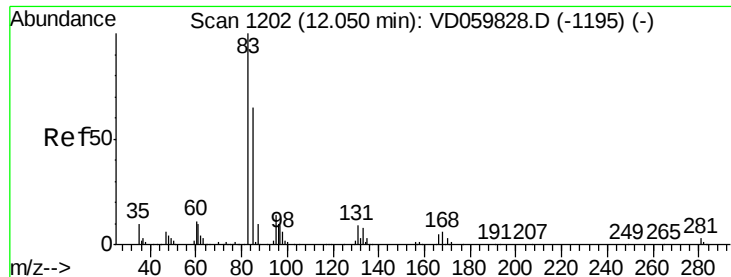
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.57 ug/l

RT: 12.05 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

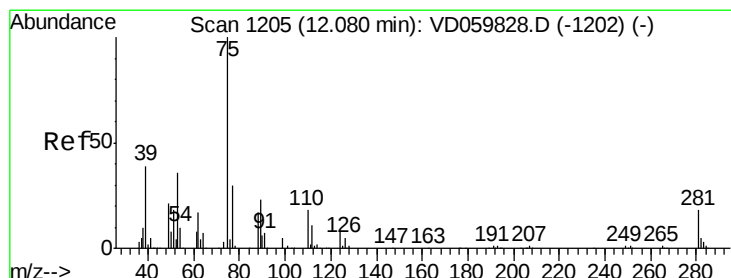
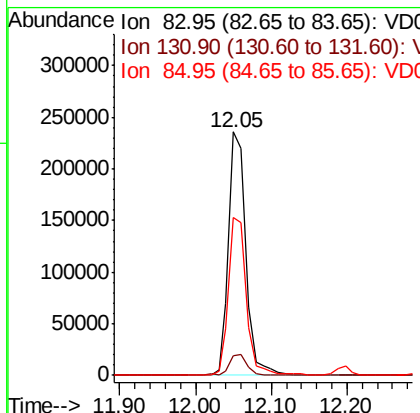
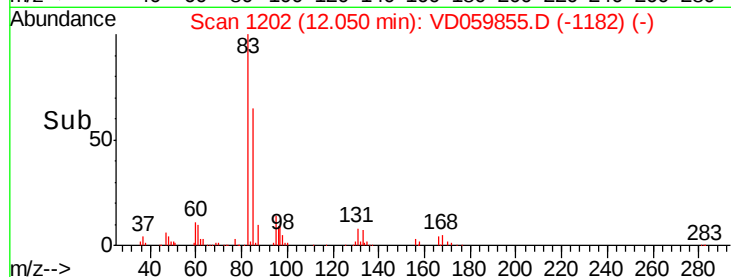
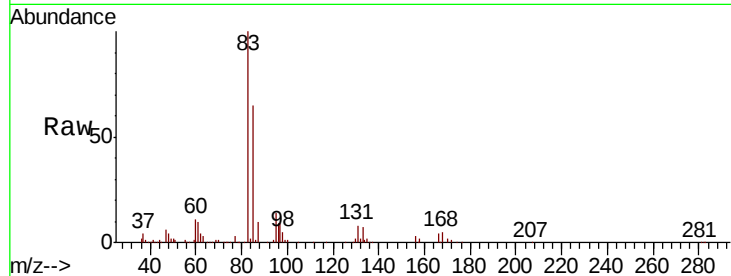
ClientSampleId :

RA-081518-FL-031MS

Tot Ion:	83	Resp:	375148
Ion Ratio	Lower	Upper	
83	100		
131	8.2	4.3	13.1
85	64.8	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.89 ug/l

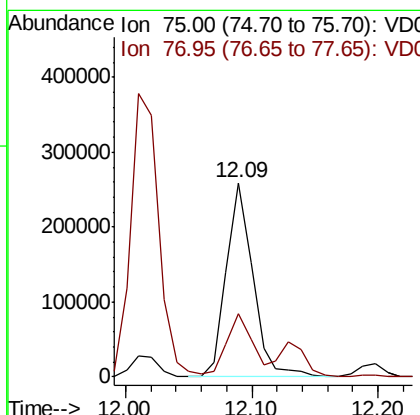
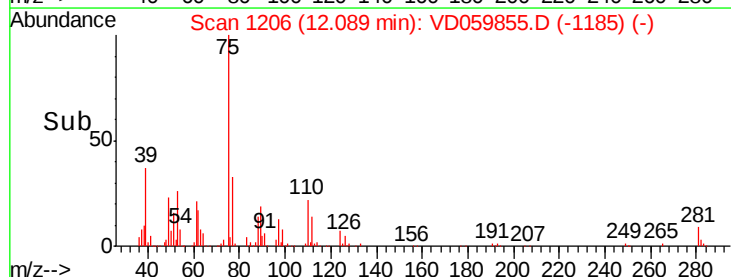
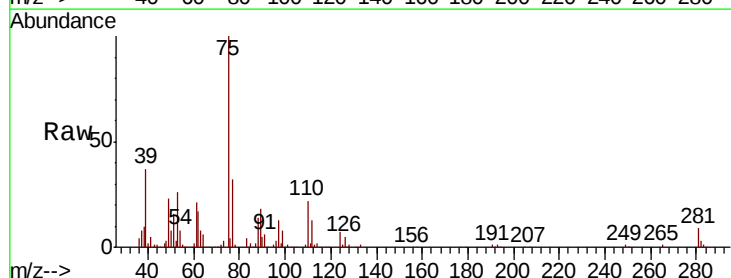
RT: 12.09 min Scan# 1206

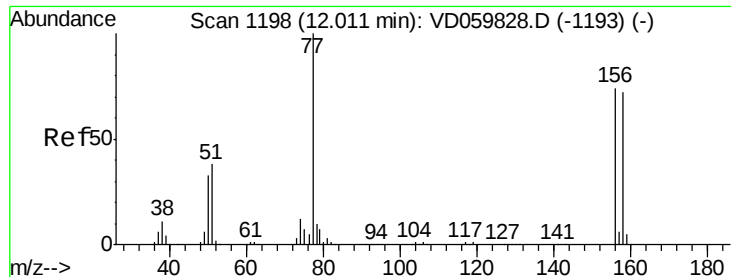
Delta R.T. 0.01 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Tgt Ion:	75	Resp:	374515
Ion Ratio	Lower	Upper	
75	100		
77	32.5	16.0	47.9





#77

Bromobenzene

Concen: 56.26 ug/l

RT: 12.02 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

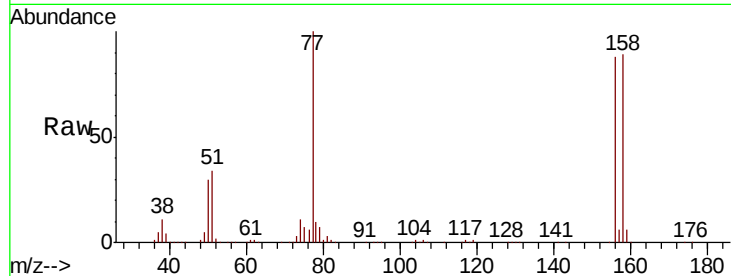
ClientSampleId :

RA-081518-FL-031MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	113.4	68.0	204.0
158	100.6	48.9	146.8

Manual Integrations
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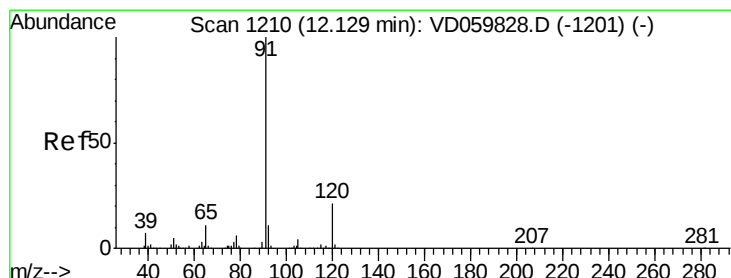
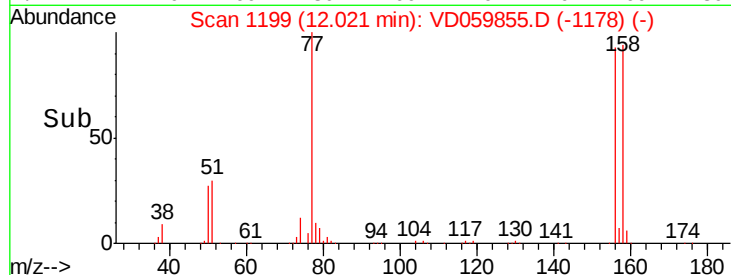
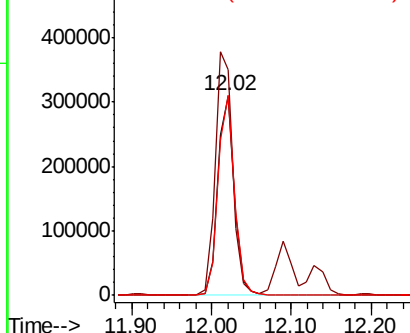
apatel
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.96 ug/l

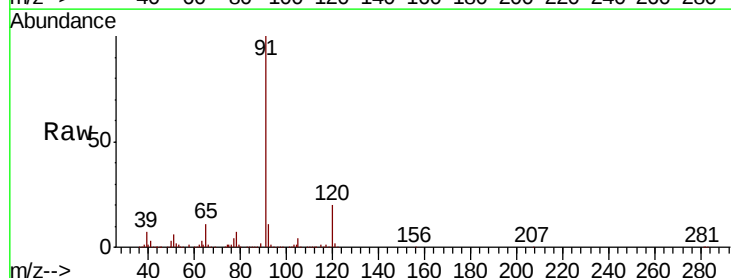
RT: 12.13 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VD059855.D

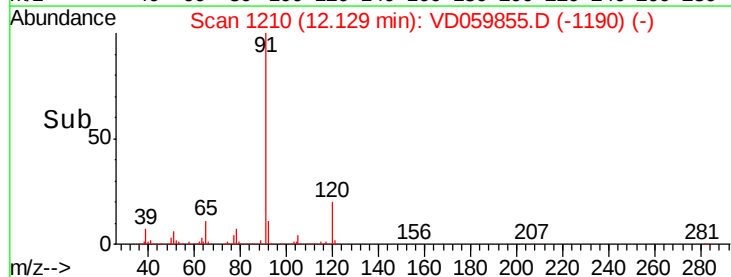
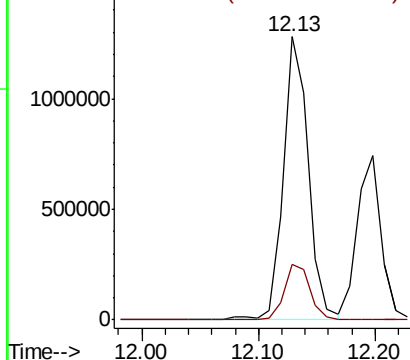
Acq: 21 Aug 2018 14:57

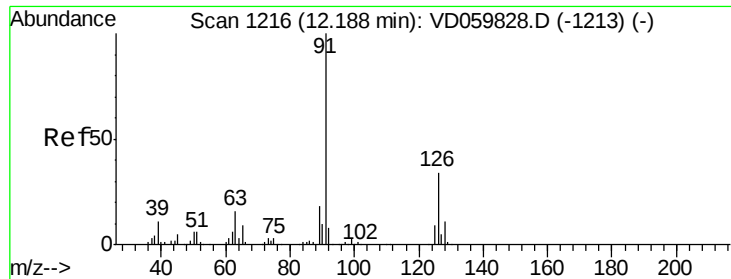
Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.5	10.5	31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





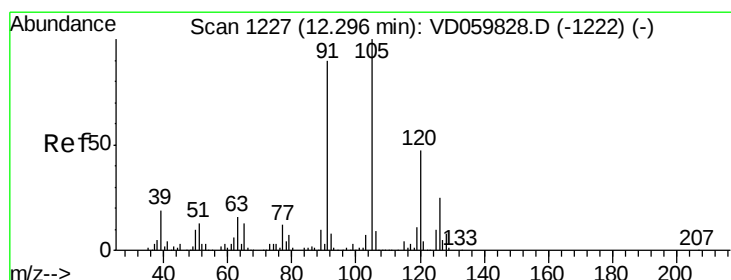
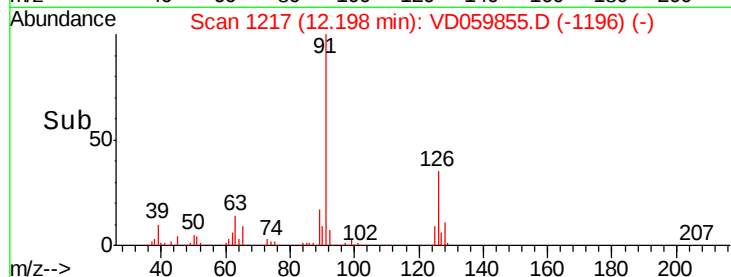
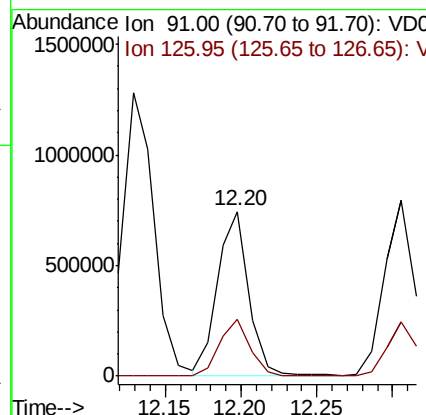
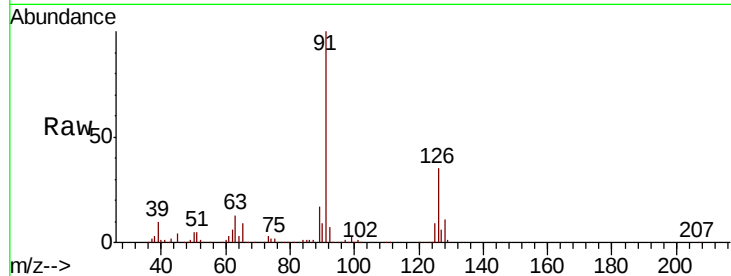
#79
 2-Chlorotoluene
 Concen: 50.61 ug/l
 RT: 12.20 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MS

Tot Ion: 91 Resp: 1055442
 Ion Ratio Lower Upper
 91 100
 126 34.8 16.6 49.8

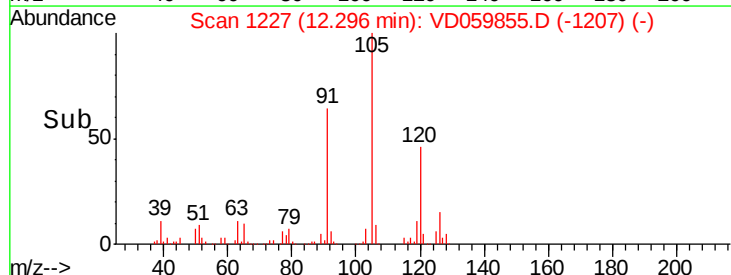
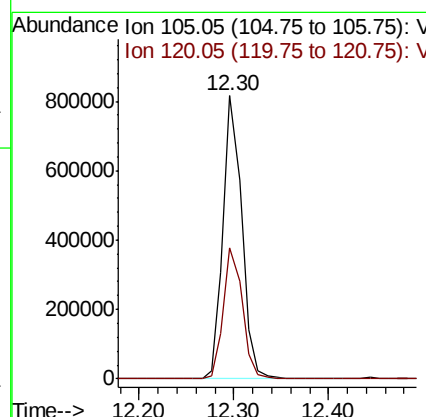
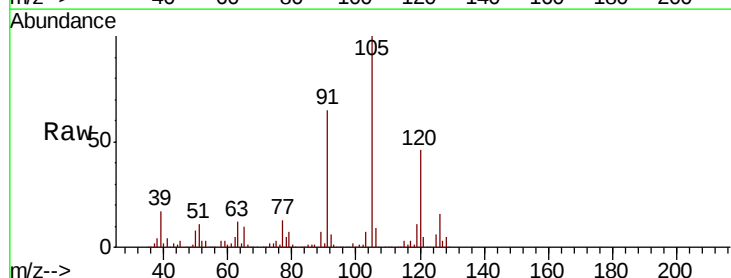
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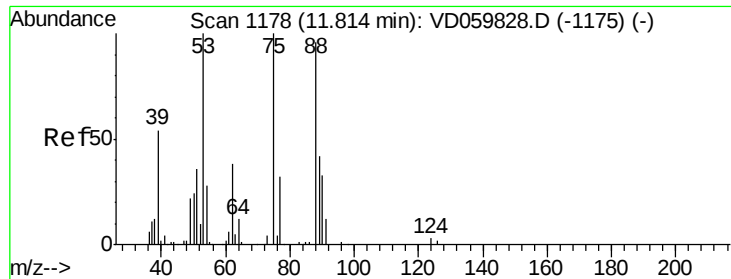
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.26 ug/l
 RT: 12.30 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Tgt Ion: 105 Resp: 1122394
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.5 70.6





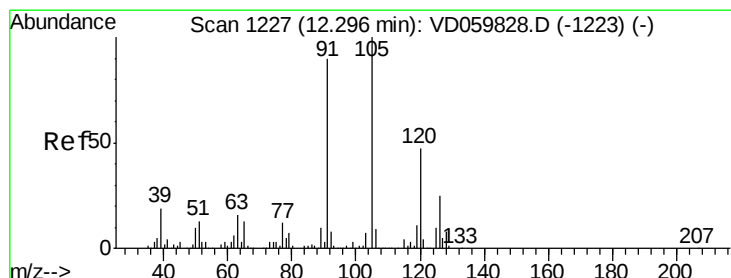
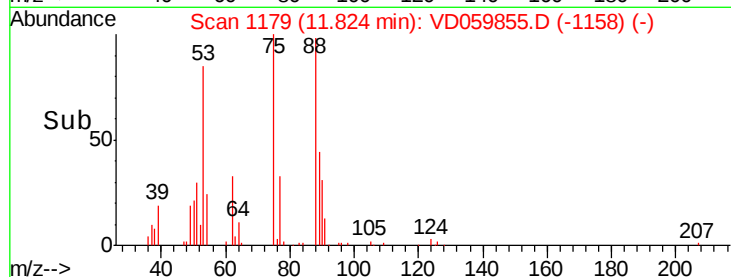
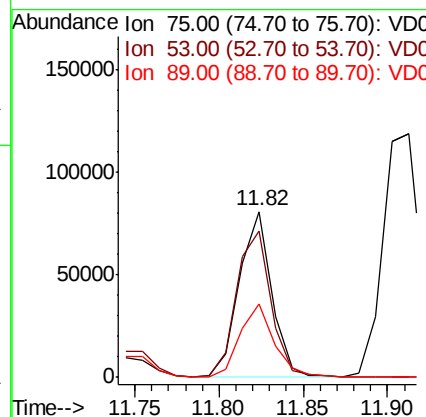
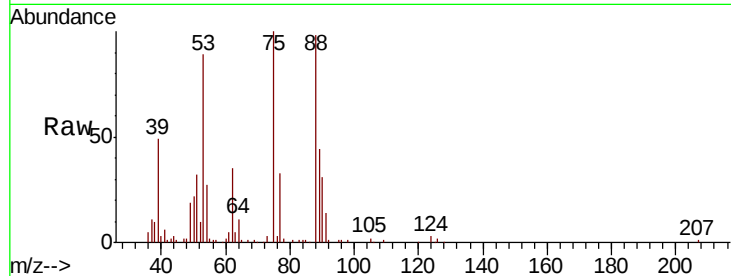
#81
trans-1,4-Dichloro-2-butene
Concen: 49.41 ug/l
RT: 11.82 min Scan# 1179
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.7	80.7	121.1
89	44.1	33.9	50.9

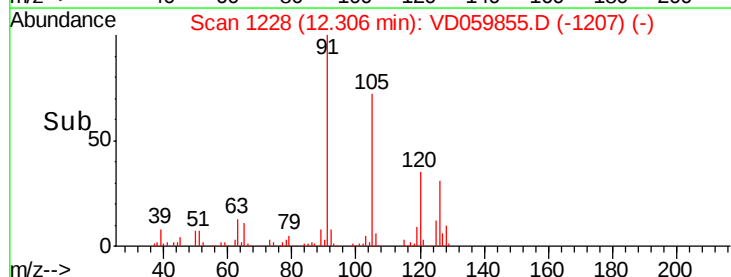
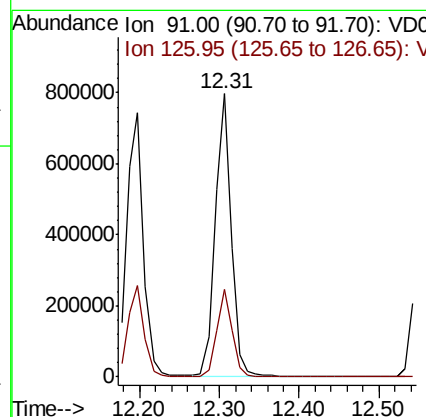
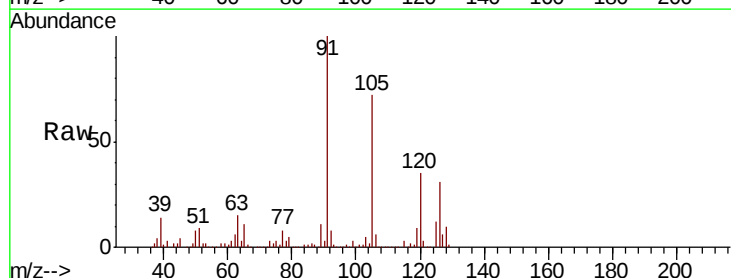
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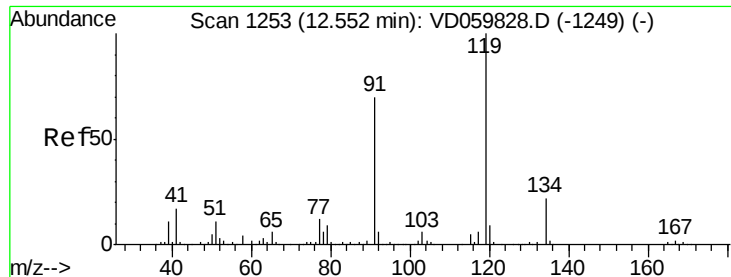
apatel
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#82
4-Chlorotoluene
Concen: 54.45 ug/l
RT: 12.31 min Scan# 1228
Delta R.T. 0.01 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	13.7	41.0





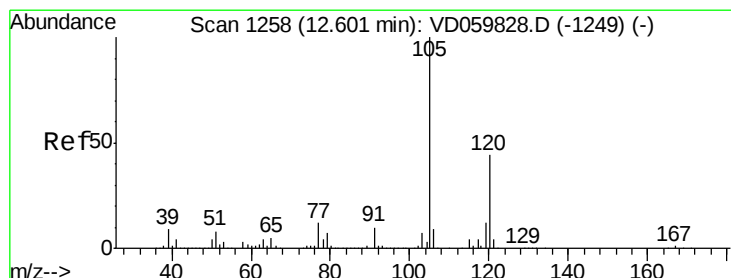
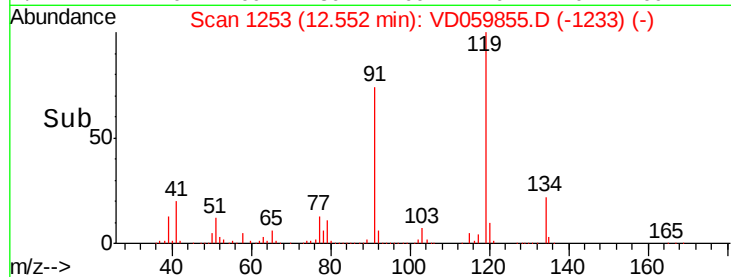
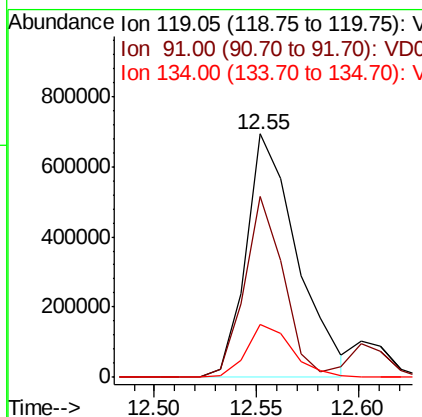
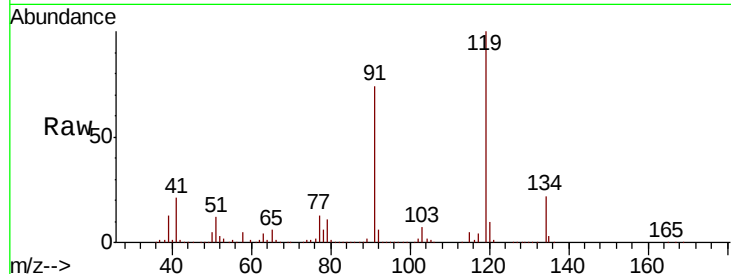
#83
tert-Butylbenzene
Concen: 52.31 ug/l m
RT: 12.55 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion:119 Resp: 1203639
Ion Ratio Lower Upper
119 100
91 74.2 35.1 105.3
134 21.7 11.0 33.0

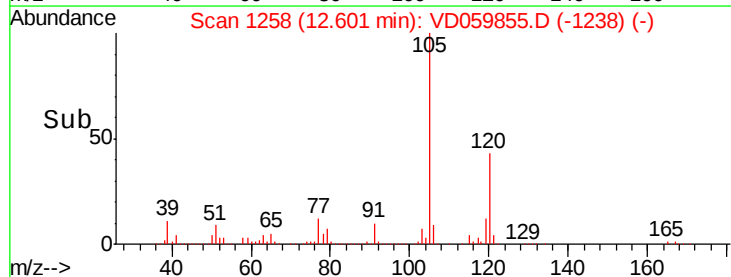
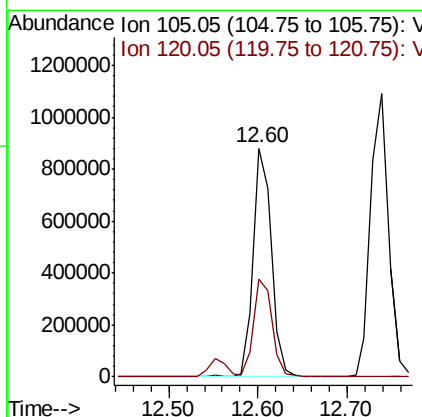
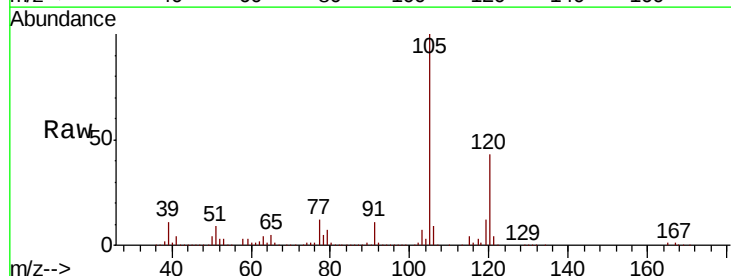
Manual Integrations
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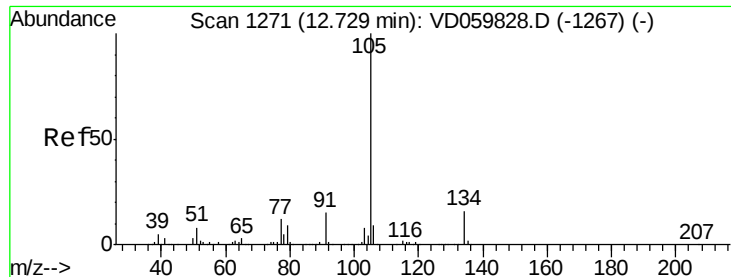
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 51.47 ug/l
RT: 12.60 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion:105 Resp: 1235328
Ion Ratio Lower Upper
105 100
120 42.7 22.0 66.0





#85

sec-Butylbenzene

Concen: 49.97 ug/l

RT: 12.74 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MS

Tot Ion:105 Resp: 1524681

Ion Ratio Lower Upper

105 100

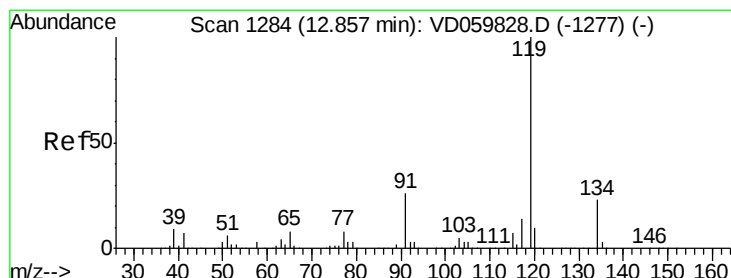
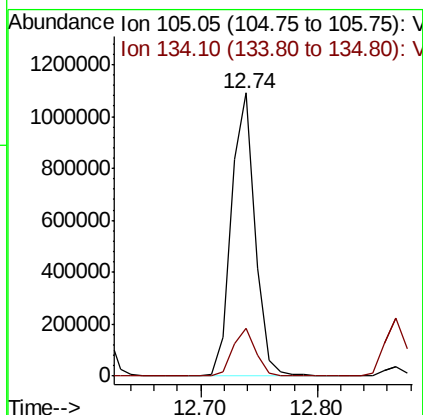
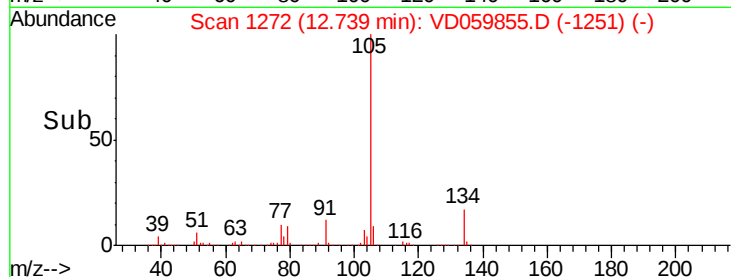
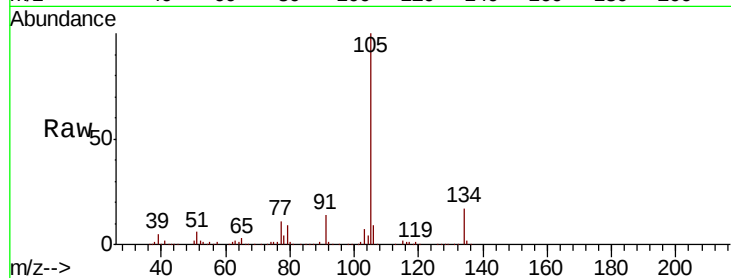
134 17.0 7.8 23.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.39 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

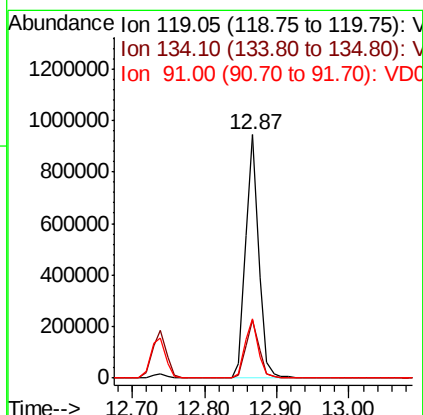
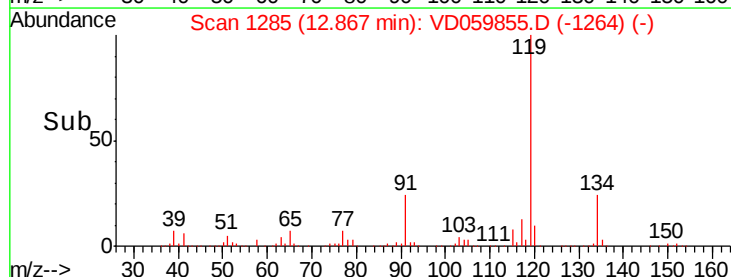
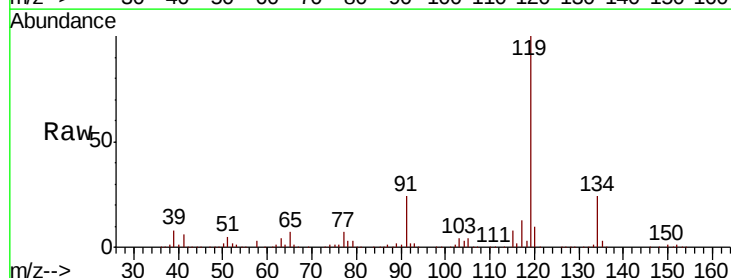
Tgt Ion:119 Resp: 1206239

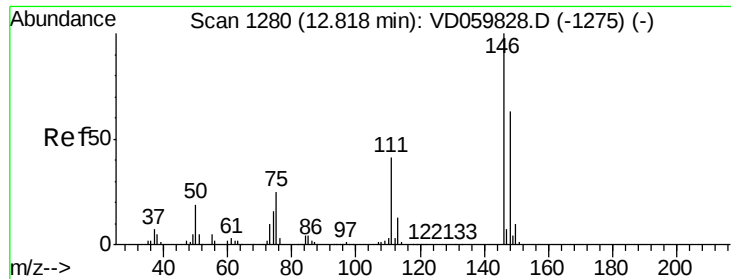
Ion Ratio Lower Upper

119 100

134 23.9 11.5 34.5

91 24.3 13.2 39.6





#87

1,3-Dichlorobenzene

Concen: 53.81 ug/l

RT: 12.82 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Instrument :

MSVOA_D

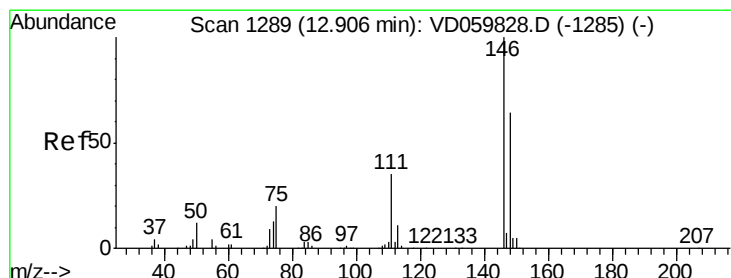
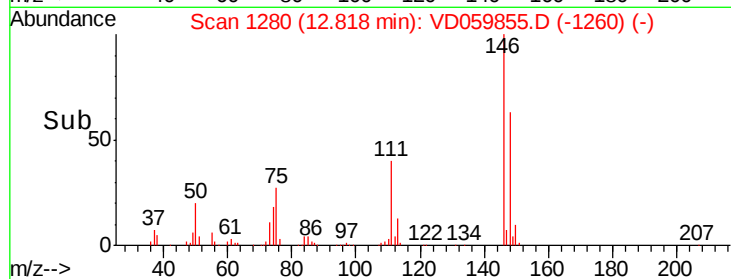
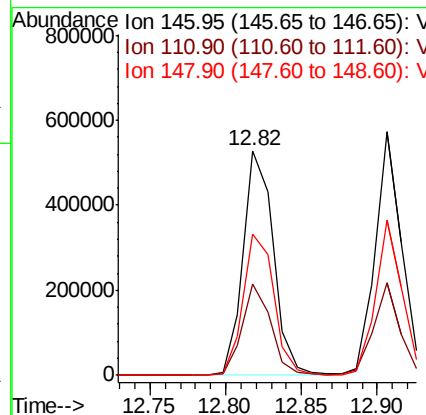
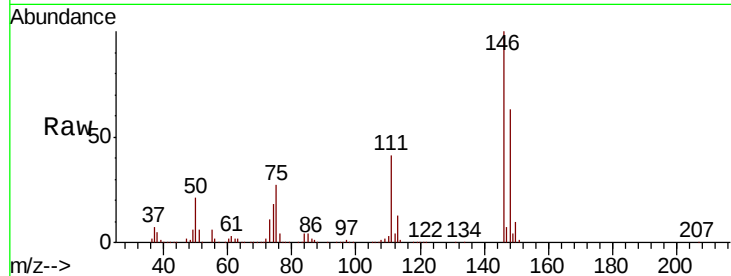
ClientSampleId :

RA-081518-FL-031MS

Tot Ion:	146	Resp:	734443
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.3	60.9
148	62.8	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 52.26 ug/l

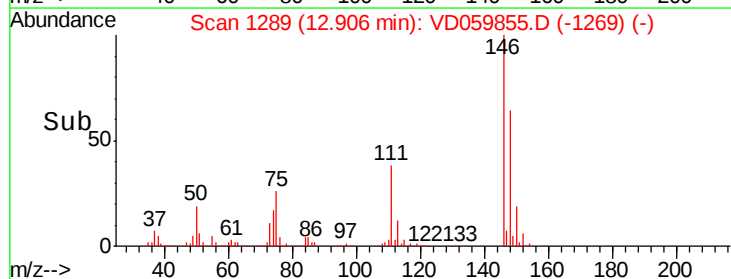
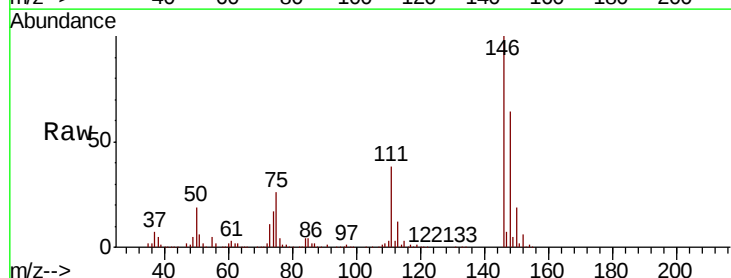
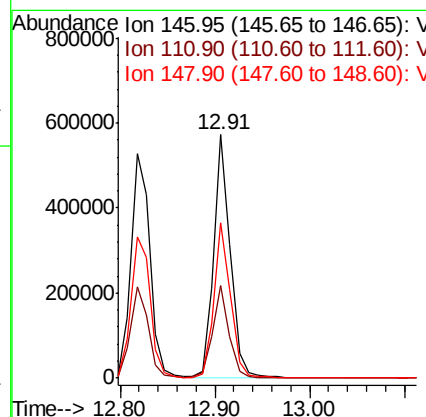
RT: 12.91 min Scan# 1289

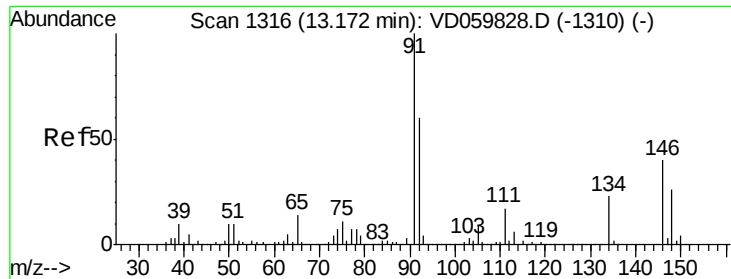
Delta R.T. -0.00 min

Lab File: VD059855.D

Acq: 21 Aug 2018 14:57

Tgt Ion:	146	Resp:	706953
Ion Ratio	Lower	Upper	
146	100		
111	38.1	17.8	53.3
148	63.8	31.9	95.9





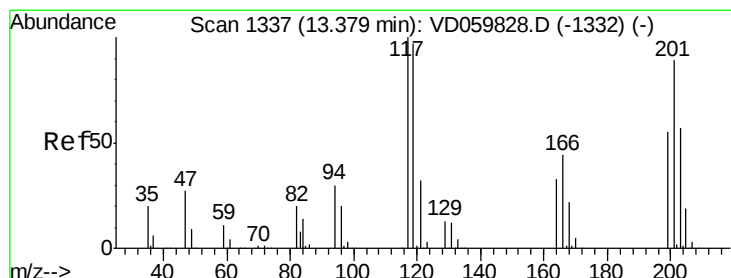
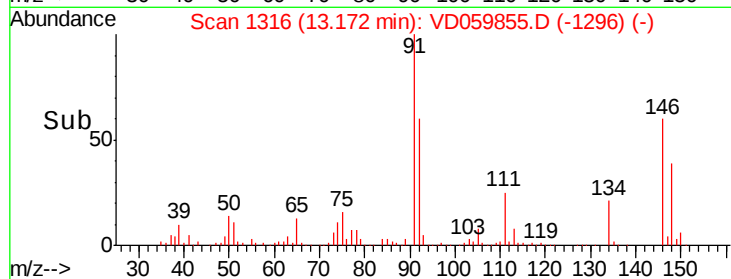
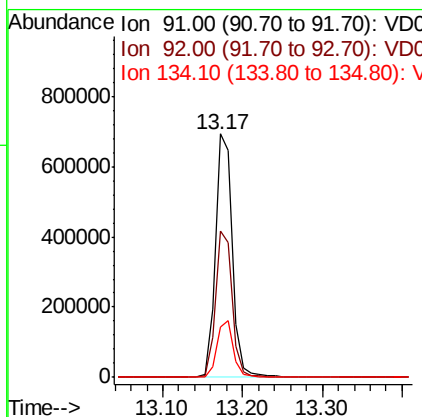
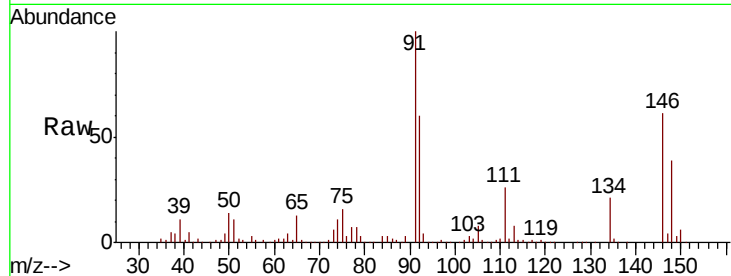
#89
n-Butylbenzene
Concen: 45.59 ug/l
RT: 13.17 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.2	29.8	89.5
134	20.5	11.5	34.4

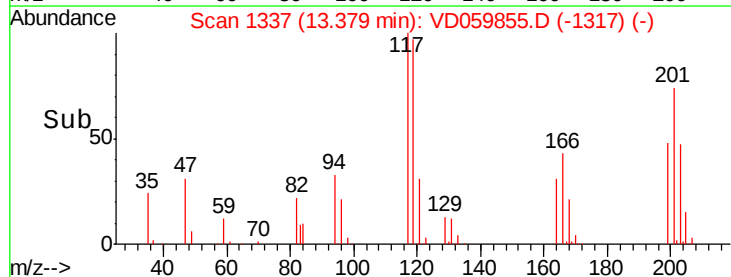
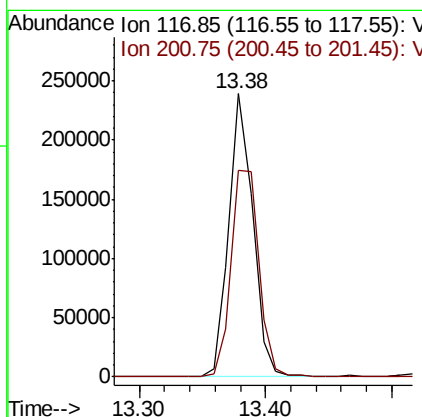
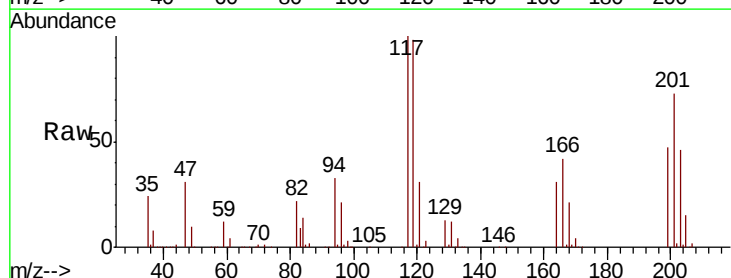
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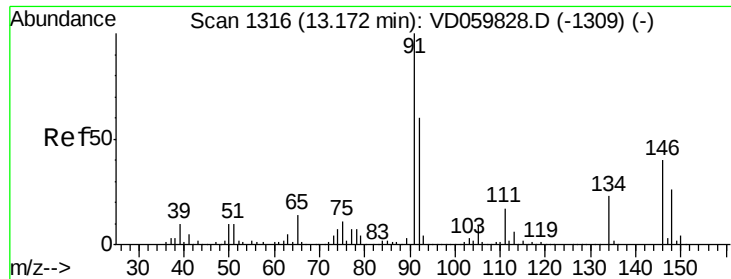
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#90
Hexachloroethane
Concen: 45.90 ug/l
RT: 13.38 min Scan# 1337
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.8	44.6	134.0





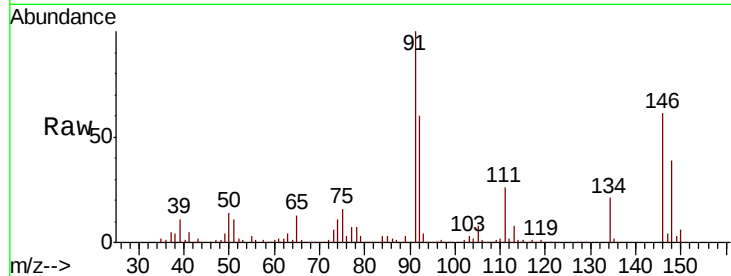
#91
 1,2-Dichlorobenzene
 Concen: 56.49 ug/l
 RT: 13.17 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MS

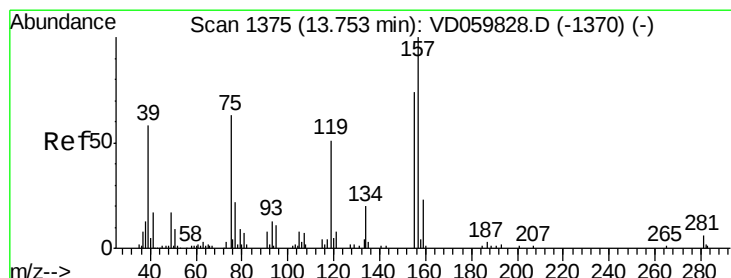
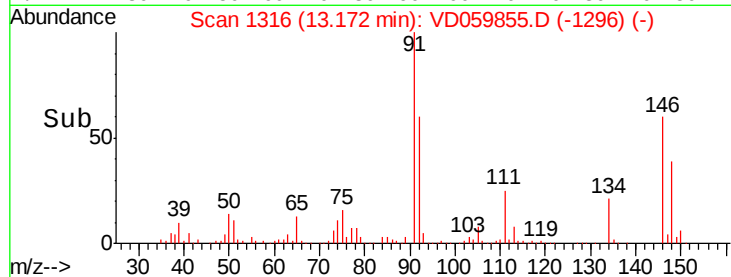
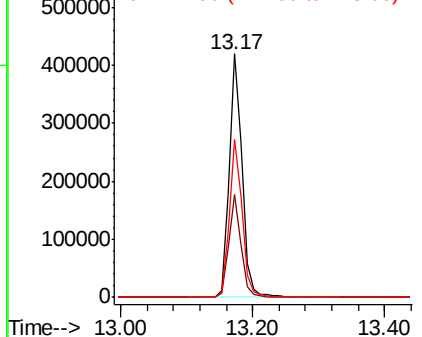
Tot Ion	Ratio	Resp	Lower	Upper
146	100	568853		
111	42.1	20.9	62.8	
148	65.1	31.6	94.8	

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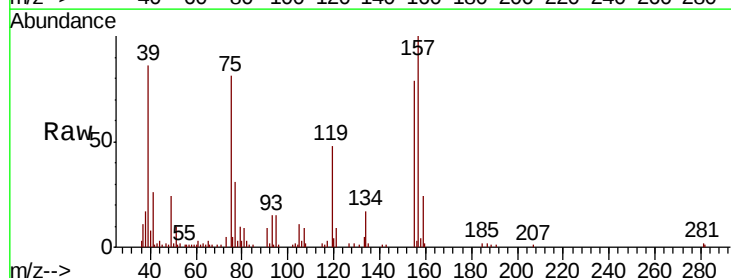


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

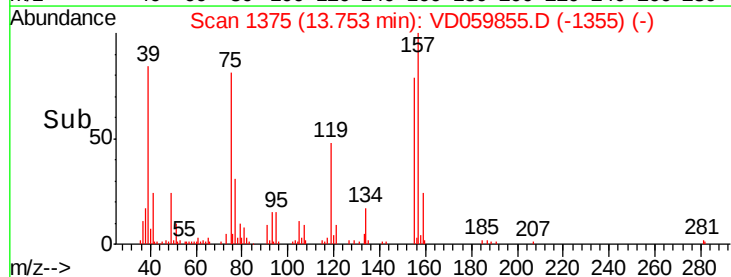
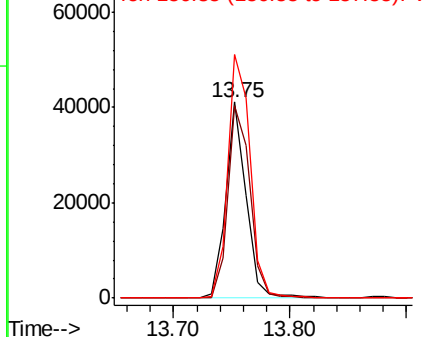


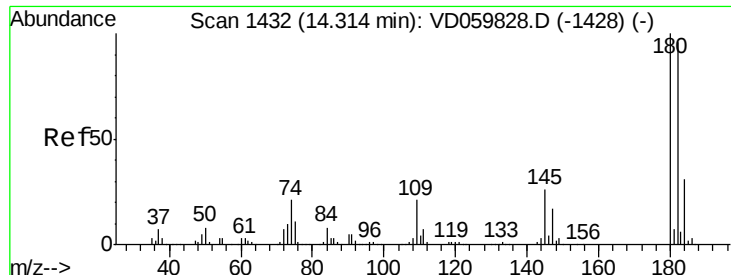
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.55 ug/l
 RT: 13.75 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49685		
155	97.9	59.1	177.3	
157	124.1	79.7	238.9	



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





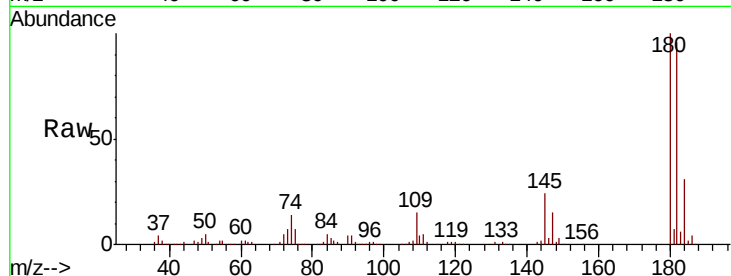
#93
 1,2,4-Trichlorobenzene
 Concen: 42.79 ug/l
 RT: 14.32 min Scan# 1433
 Delta R.T. 0.01 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	419251		
182	96.0	48.0	144.0	
145	23.6	13.1	39.1	

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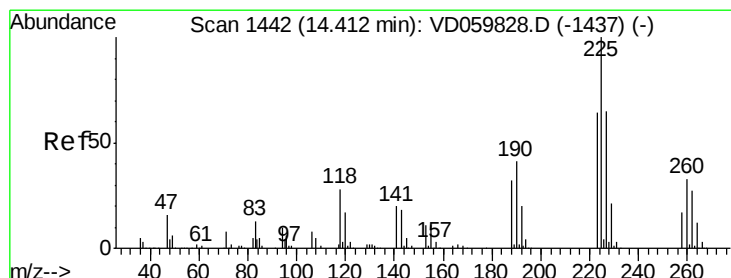
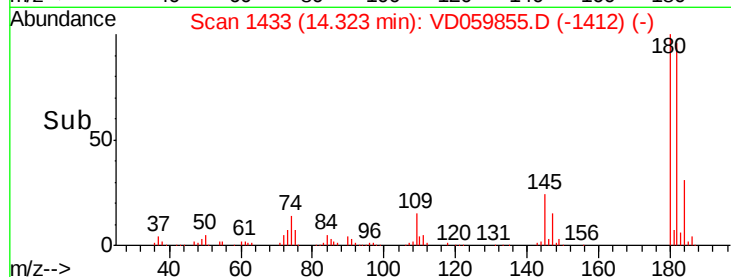
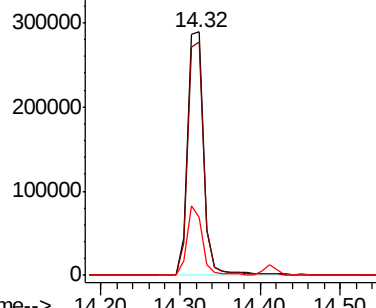


Abundance

Ion 179.85 (179.55 to 180.55): V

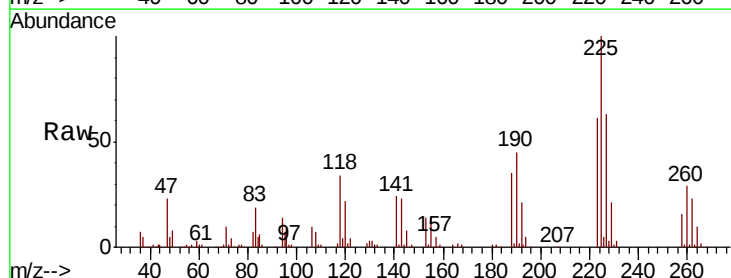
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 33.38 ug/l
 RT: 14.41 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VD059855.D
 Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	220036		
223	61.2	31.8	95.4	
227	63.4	32.8	98.3	

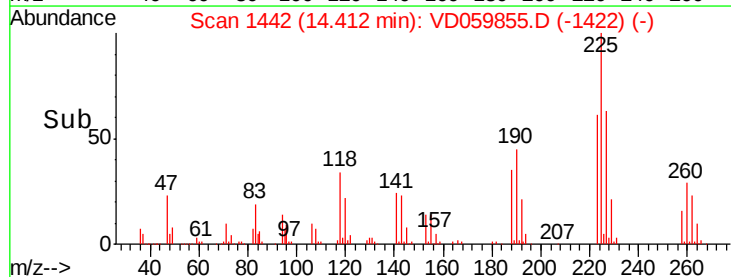
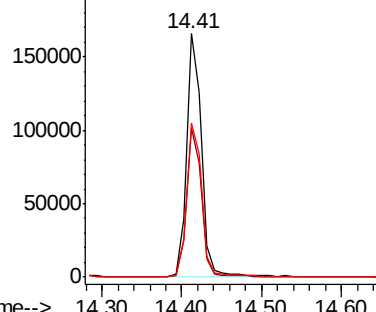


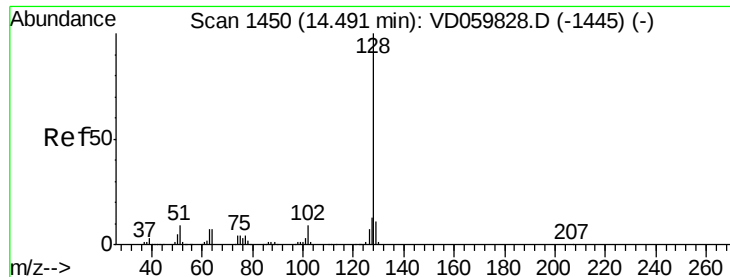
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





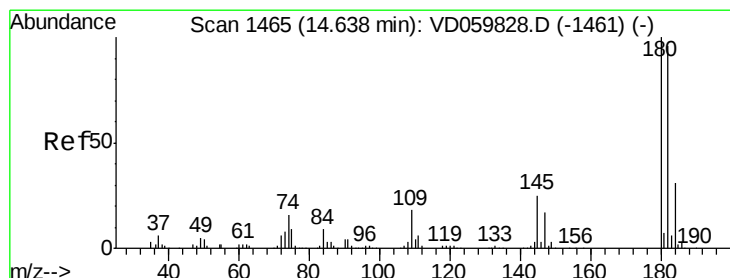
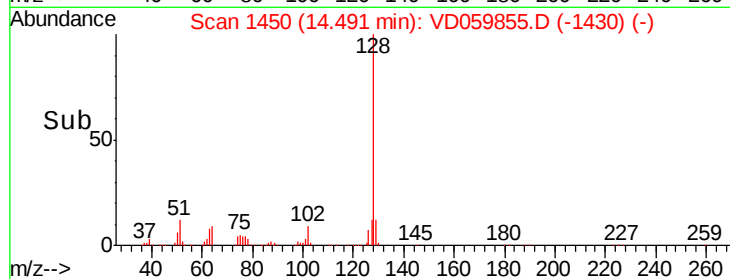
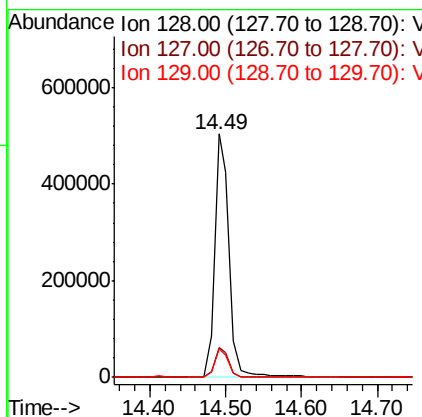
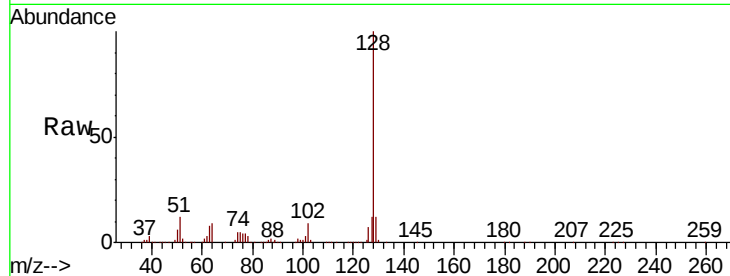
#95
Naphthalene
Concen: 42.41 ug/l
RT: 14.49 min Scan# 1450
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	11.6	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 40.50 ug/l
RT: 14.64 min Scan# 1465
Delta R.T. -0.00 min
Lab File: VD059855.D
Acq: 21 Aug 2018 14:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.4
145	29.1	12.7	38.0

