

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082218\
 Data File : VD059874.D
 Acq On : 22 Aug 2018 14:08
 Operator : JC/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/23/2018 10:52:43 AM

Quant Time: Aug 23 01:35:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 01:14:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1184136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1663871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1416600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	725968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	515210	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
35) Dibromofluoromethane	6.33	113	669375	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	9.46	98	1883820	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
62) 4-Bromofluorobenzene	12.43	95	753433	53.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	511481	49.54	ug/l	100
3) Chloromethane	1.75	50	444313	46.60	ug/l	100
4) Vinyl Chloride	1.85	62	370949	49.51	ug/l	100
5) Bromomethane	2.13	94	56162	63.79	ug/l	100
6) Chloroethane	2.25	64	118548	62.31	ug/l	100
7) Trichlorofluoromethane	2.51	101	434901	53.52	ug/l	100
8) Diethyl Ether	2.82	74	99173	53.34	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.09	101	257293	49.76	ug/l	100
10) Methyl Iodide	3.24	142	299656	61.31	ug/l	100
11) Tert butyl alcohol	3.97	59	207470	267.52	ug/l	100
12) 1,1-Dichloroethene	3.07	96	203702	51.74	ug/l	100
13) Acrolein	2.98	56	92002	299.09	ug/l	100
14) Allyl chloride	3.53	41	480555	51.83	ug/l	100
15) Acrylonitrile	4.09	53	757200	267.55	ug/l	100
16) Acetone	3.15	43	489614	283.78	ug/l	100
17) Carbon Disulfide	3.31	76	656412	53.61	ug/l	100
18) Methyl Acetate	3.56	43	195473	51.38	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	1241518	52.69	ug/l	100
20) Methylene Chloride	3.72	84	613035	43.31	ug/l	100
21) trans-1,2-Dichloroethene	4.10	96	579629	51.99	ug/l	100
22) Diisopropyl ether	4.86	45	2478615	52.54	ug/l	100
23) Vinyl Acetate	4.81	43	7081545	269.37	ug/l	100
24) 1,1-Dichloroethane	4.76	63	1054807	51.85	ug/l	100
25) 2-Butanone	5.62	43	1507120	292.49	ug/l	100
26) 2,2-Dichloropropane	5.60	77	830107	49.95	ug/l	100
27) cis-1,2-Dichloroethene	5.60	96	643428	51.99	ug/l	100
28) Bromochloromethane	5.93	49	517897	53.00	ug/l	100
29) Tetrahydrofuran	5.96	42	682815	265.57	ug/l	100
30) Chloroform	6.11	83	1064144	51.24	ug/l	100
31) Cyclohexane	6.37	56	910335	48.99	ug/l	100
32) 1,1,1-Trichloroethane	6.29	97	898274	50.99	ug/l	100
36) 1,1-Dichloropropene	6.53	75	761177	51.58	ug/l	100
37) Ethyl Acetate	5.70	43	593048	50.08	ug/l	100
38) Carbon Tetrachloride	6.50	117	746625	49.92	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	838831	51.50	ug/l	100
40) Benzene	6.81	78	1983370	51.29	ug/l	100
41) Methacrylonitrile	5.94	41	321347m	30.24	ug/l	
42) 1,2-Dichloroethane	6.90	62	657928	52.16	ug/l	100
43) Isopropyl Acetate	8.36	43	819900	52.69	ug/l	100
44) Trichloroethene	7.75	130	589147	51.87	ug/l	100
45) 1,2-Dichloropropane	8.11	63	568041	51.88	ug/l	100
46) Dibromomethane	8.22	93	369749	52.69	ug/l	100
47) Bromodichloromethane	8.50	83	817119	51.52	ug/l	100
48) Methyl methacrylate	8.25	41	460706	52.60	ug/l	100
49) 1,4-Dioxane	8.24	88	84485	1057.81	ug/l	100
51) 4-Methyl-2-Pentanone	9.35	43	3184338	294.46	ug/l	100
52) Toluene	9.56	92	1274128	51.21	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	767441	52.13	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	870635	50.81	ug/l	100
55) 1,1,2-Trichloroethane	10.19	97	449273	49.57	ug/l	100
56) Ethyl methacrylate	10.04	69	561199	52.05	ug/l	100
57) 1,3-Dichloropropane	10.39	76	700129	52.75	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1259131	245.04	ug/l	100
59) 2-Hexanone	10.50	43	2344787	299.00	ug/l	100
60) Dibromochloromethane	10.64	129	604478	52.37	ug/l	100
61) 1,2-Dibromoethane	10.77	107	486894	52.09	ug/l	100
64) Tetrachloroethene	10.26	164	549760	50.79	ug/l	100
65) Chlorobenzene	11.32	112	1440651	51.85	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	528764	52.58	ug/l	100
67) Ethyl Benzene	11.43	91	2402081	52.90	ug/l	100
68) m/p-Xylenes	11.57	106	1724609	105.23	ug/l	100
69) o-Xylene	11.94	106	852226	52.97	ug/l	100
70) Styrene	11.96	104	1474811	52.77	ug/l	100
71) Bromoform	12.12	173	466379	52.25	ug/l	100
73) Isopropylbenzene	12.28	105	2310675	50.48	ug/l	100
74) N-amyl acetate	12.14	43	1039235	50.81	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.57	83	535722	50.91	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	585834	51.71	ug/l	100
77) Bromobenzene	12.54	156	656926	51.68	ug/l	100
78) n-propylbenzene	12.64	91	2947320	51.81	ug/l	100
79) 2-Chlorotoluene	12.71	91	1675491	51.69	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	1838936	51.68	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	182643	52.35	ug/l	100
82) 4-Chlorotoluene	12.82	91	1886744	52.14	ug/l	100
83) tert-Butylbenzene	13.05	119	2143233	51.82	ug/l	100
84) 1,2,4-Trimethylbenzene	13.09	105	1927947	51.43	ug/l	100
85) sec-Butylbenzene	13.22	105	2543261	52.49	ug/l	100
86) p-Isopropyltoluene	13.35	119	2026558	51.70	ug/l	100
87) 1,3-Dichlorobenzene	13.32	146	1157683	51.32	ug/l	100
88) 1,4-Dichlorobenzene	13.40	146	1149360	51.08	ug/l	100
89) n-Butylbenzene	13.65	91	1959902	50.89	ug/l	100
90) Hexachloroethane	13.86	117	547038	51.25	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1001620	53.26	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	86000	51.80	ug/l	100

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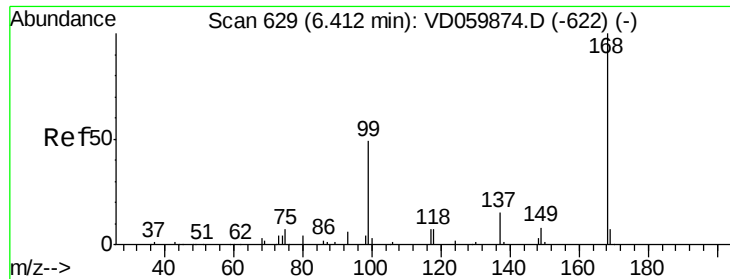
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	871853	54.00	ug/l	100
94) Hexachlorobutadiene	14.88	225	561502	52.42	ug/l	100
95) Naphthalene	14.97	128	1343454	52.43	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	747507	52.79	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 1184136

Ion Ratio Lower Upper

168 100

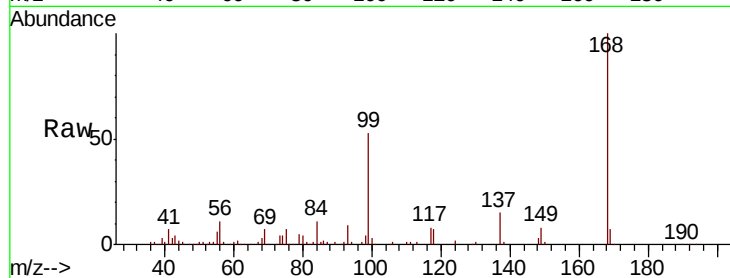
99 52.7 42.2 63.2

Manual Integrations

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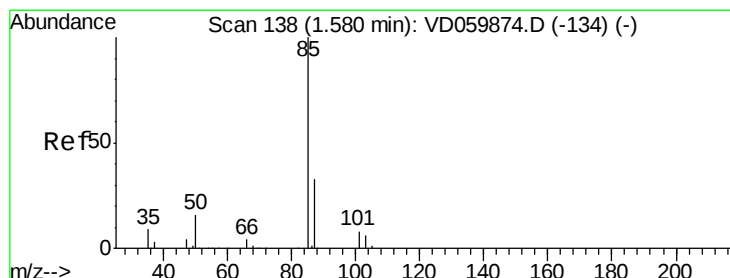
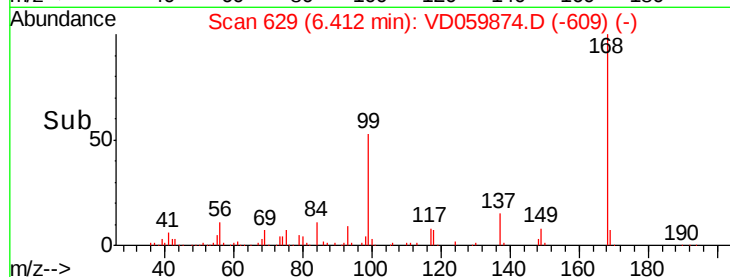
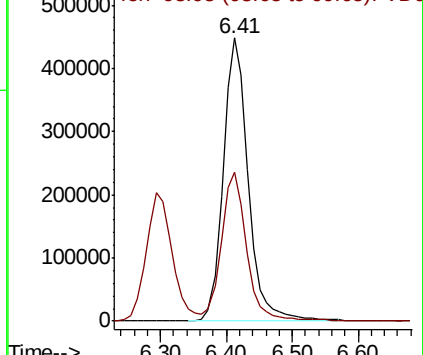
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 49.54 ug/l

RT: 1.58 min Scan# 138

Delta R.T. 0.00 min

Lab File: VD059874.D

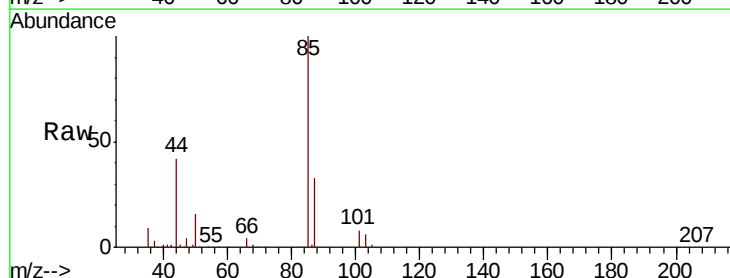
Acq: 22 Aug 2018 14:08

Tgt Ion: 85 Resp: 511481

Ion Ratio Lower Upper

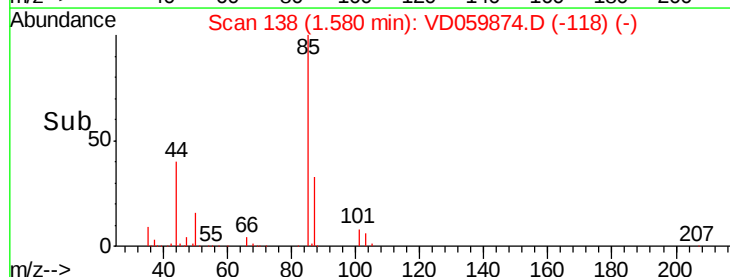
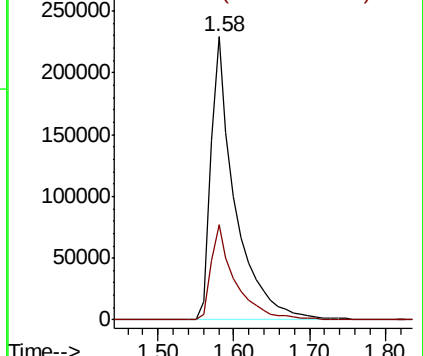
85 100

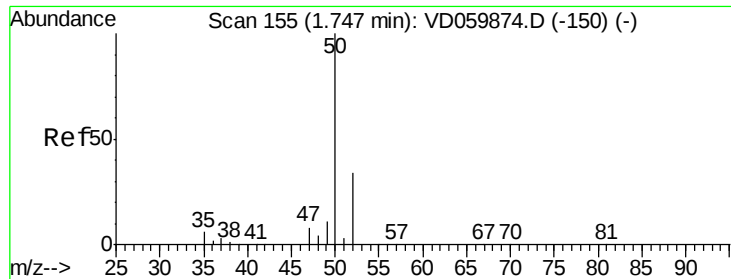
87 33.5 16.8 50.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.60 ug/l

RT: 1.75 min Scan# 155

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 444313

Ion Ratio Lower Upper

50 100

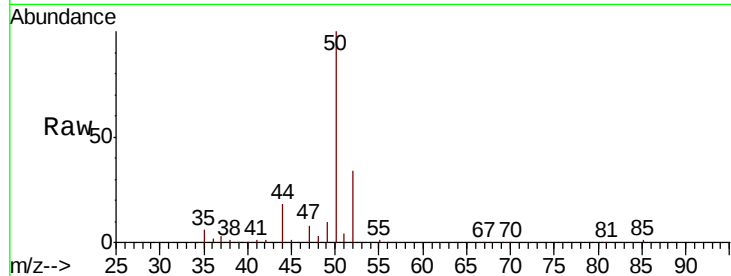
52 33.8 27.0 40.6

Manual Integrations

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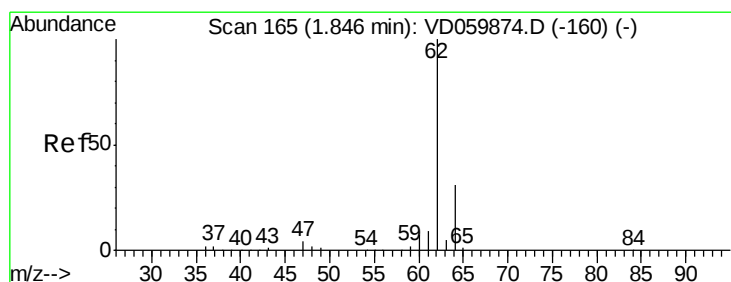
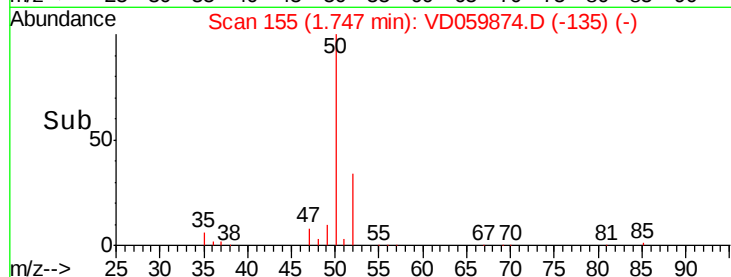
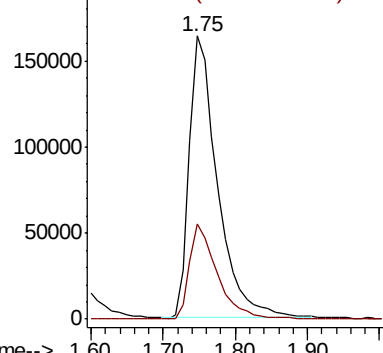
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.51 ug/l

RT: 1.85 min Scan# 165

Delta R.T. 0.00 min

Lab File: VD059874.D

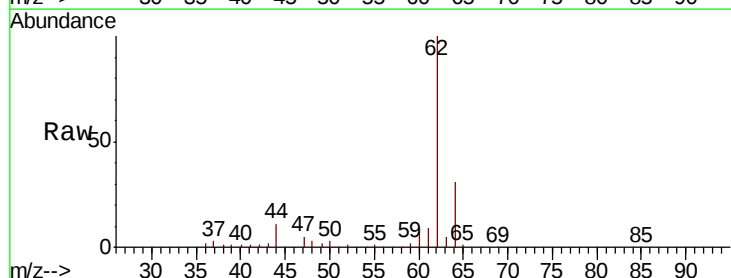
Acq: 22 Aug 2018 14:08

Tgt Ion: 62 Resp: 370949

Ion Ratio Lower Upper

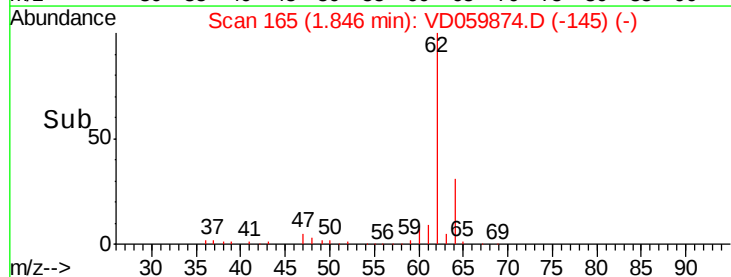
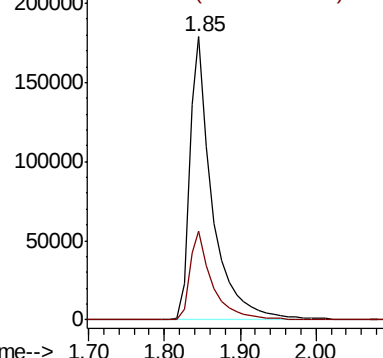
62 100

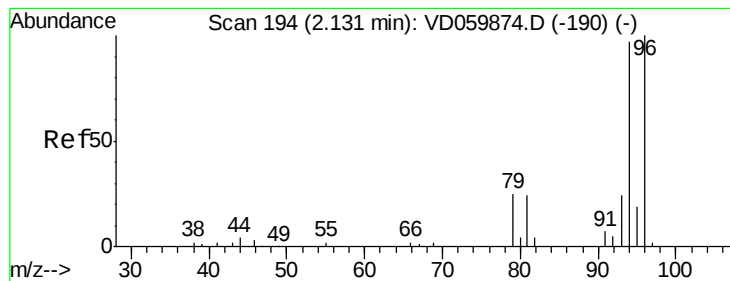
64 31.3 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 63.79 ug/l

RT: 2.13 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 56162

Ion Ratio Lower Upper

94 100

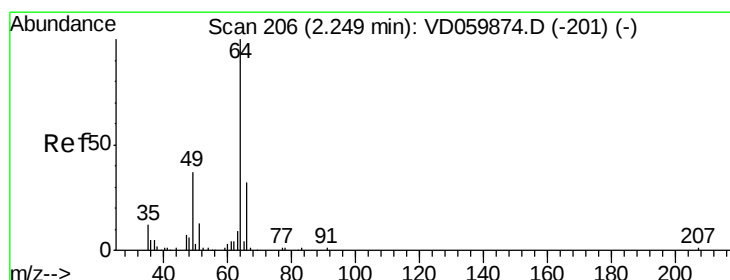
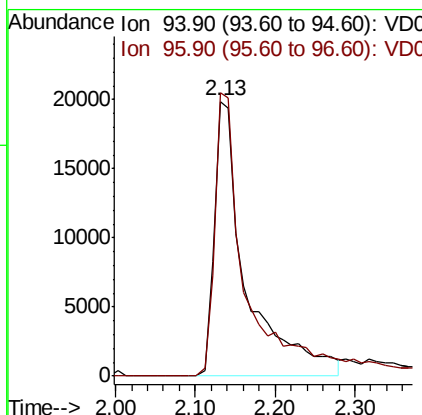
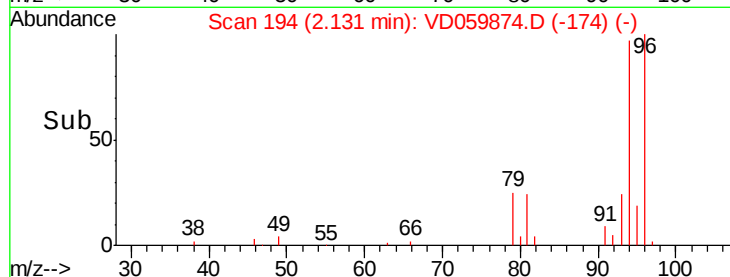
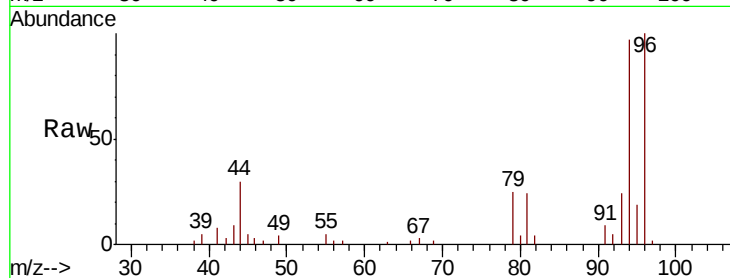
96 103.0 82.4 123.6

Manual Integrations

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#6

Chloroethane

Concen: 62.31 ug/l

RT: 2.25 min Scan# 206

Delta R.T. 0.00 min

Lab File: VD059874.D

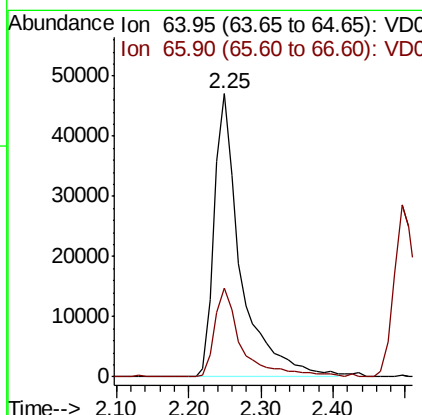
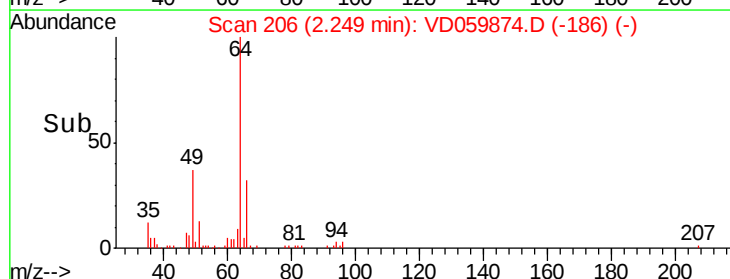
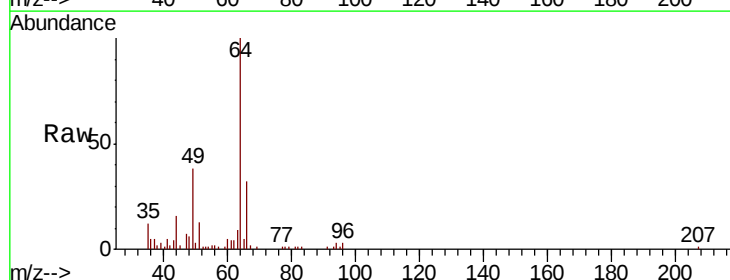
Acq: 22 Aug 2018 14:08

Tgt Ion: 64 Resp: 118548

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9





#7

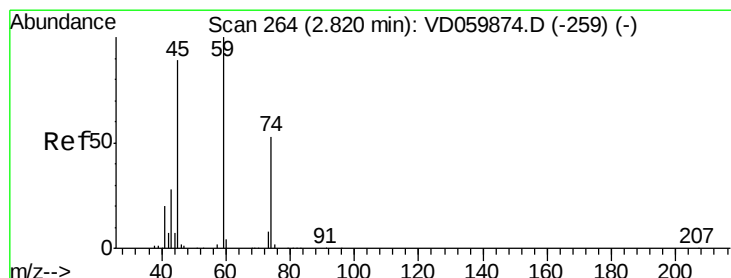
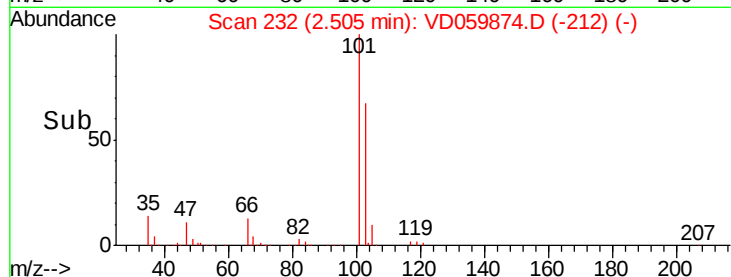
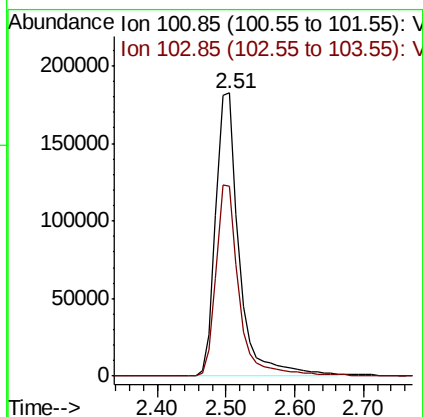
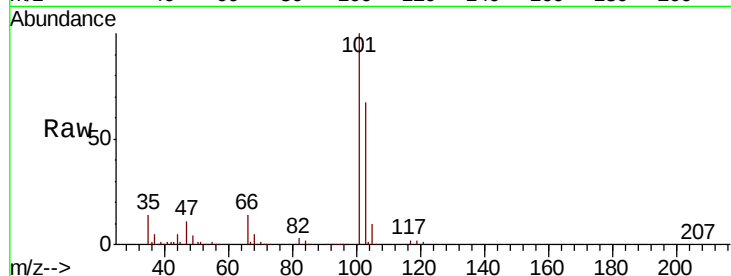
Trichlorofluoromethane
 Concen: 53.52 ug/l
 RT: 2.51 min Scan# 232
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	53.7	80.5

Manual Integrations
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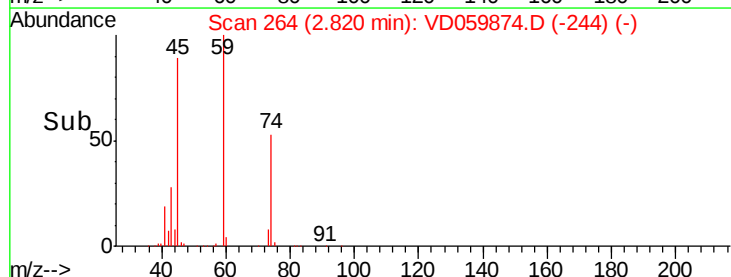
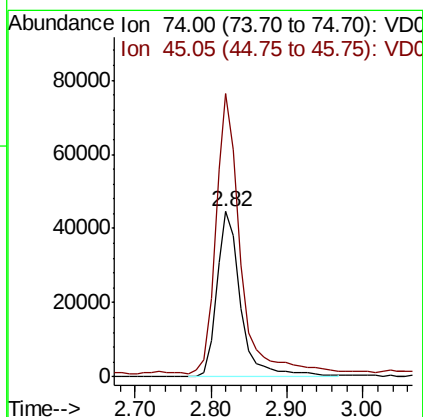
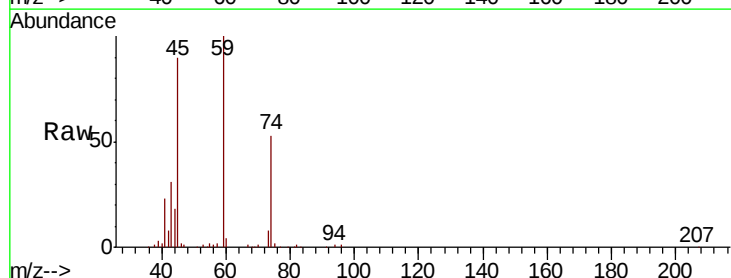
apatel
 8/23/2018 10:52:43 AM

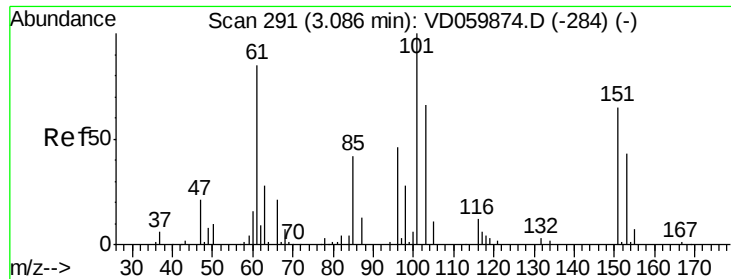


#8

Diethyl Ether
 Concen: 53.34 ug/l
 RT: 2.82 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	171.4	85.7	257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.76 ug/l

RT: 3.09 min Scan# 291

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

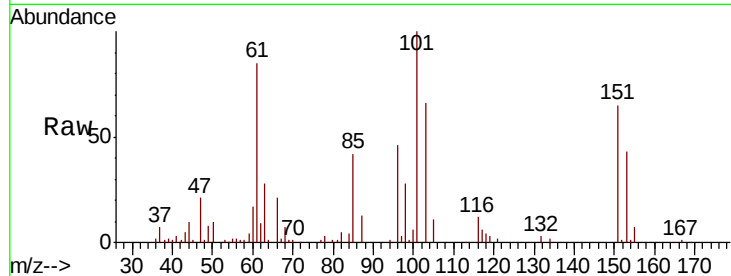
ClientSampleId :

VSTDICCC050

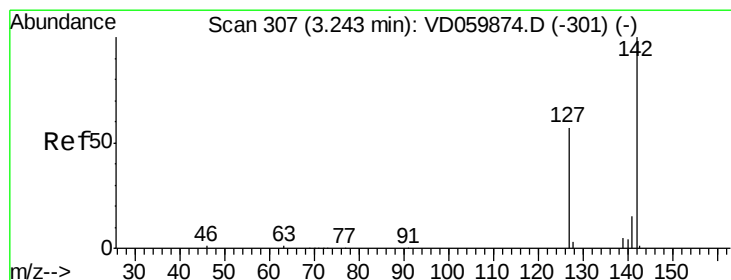
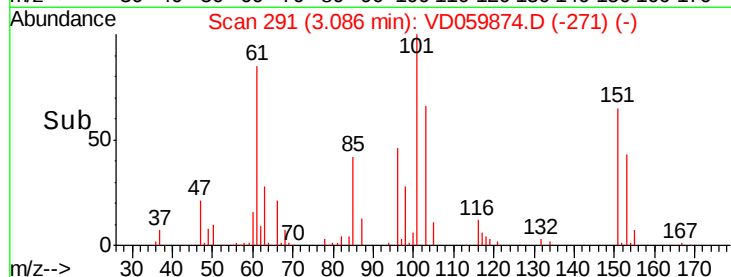
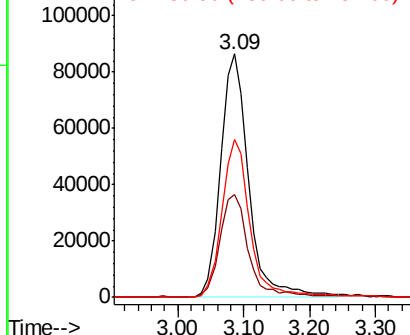
Tot Ion:	101	Resp:	257293
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.6	50.4
151	65.0	52.0	78.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 61.31 ug/l

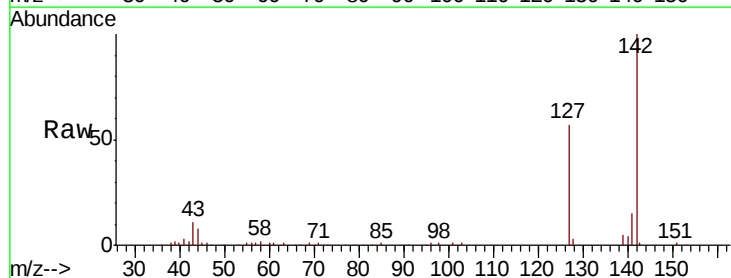
RT: 3.24 min Scan# 307

Delta R.T. 0.00 min

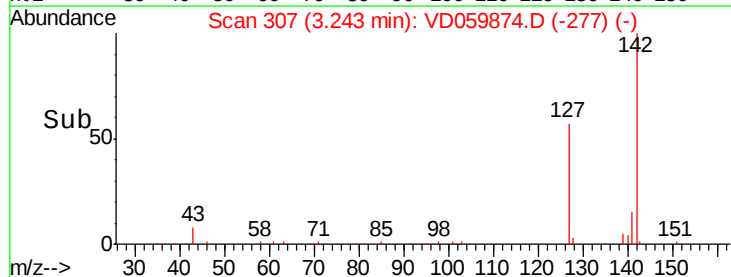
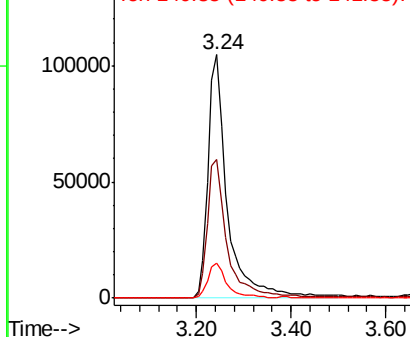
Lab File: VD059874.D

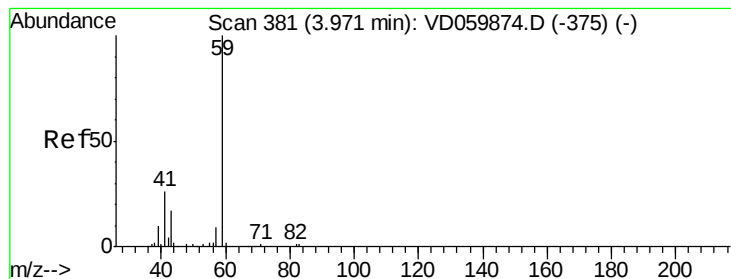
Acq: 22 Aug 2018 14:08

Tgt Ion:	142	Resp:	299656
Ion Ratio	Lower	Upper	
142	100		
127	57.2	45.8	68.6
141	14.5	11.6	17.4



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

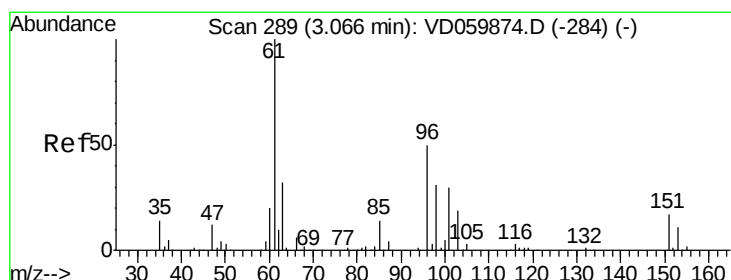
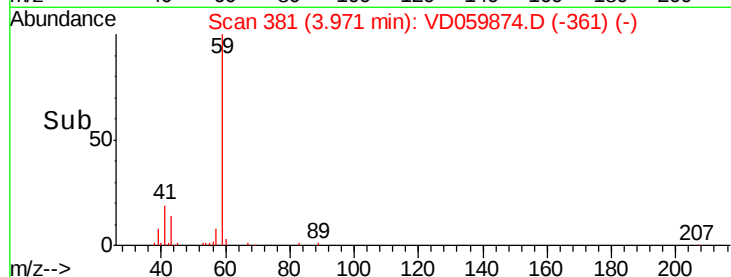
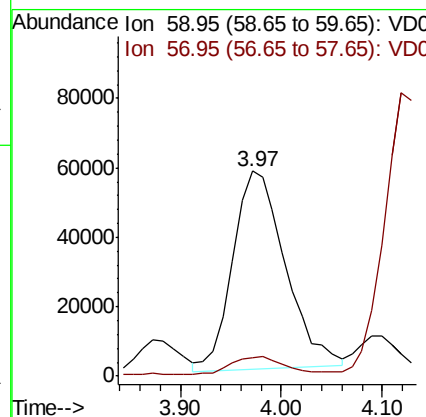
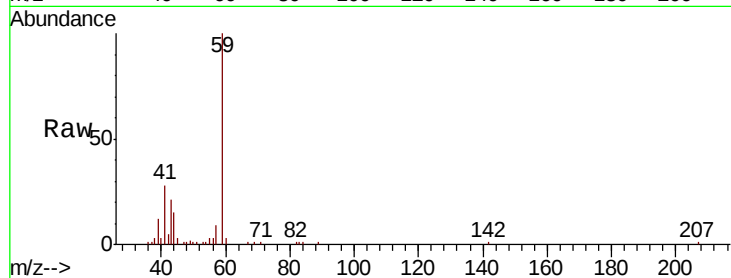
Tert butyl alcohol
Concen: 267.52 ug/l
RT: 3.97 min Scan# 381
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.4	11.0

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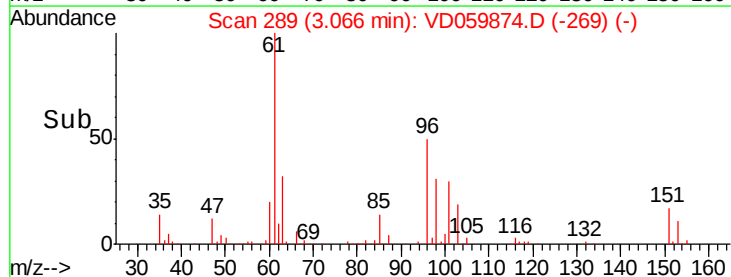
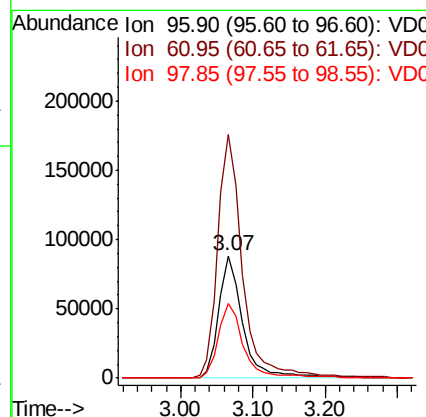
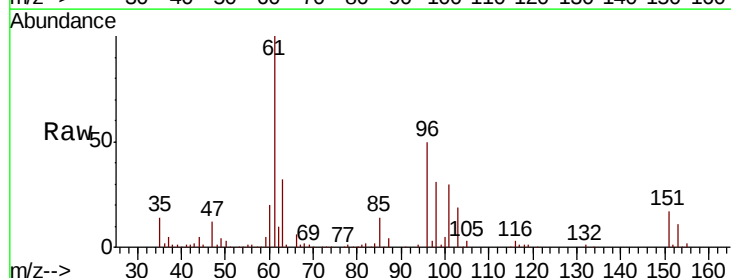
apatel
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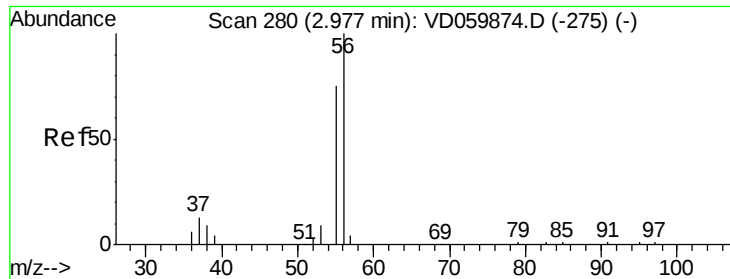


#12

1,1-Dichloroethene
Concen: 51.74 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.5	158.8	238.2
98	60.9	48.7	73.1





#13

Acrolein

Concen: 299.09 ug/l

RT: 2.98 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 92002

Ion Ratio Lower Upper

56 100

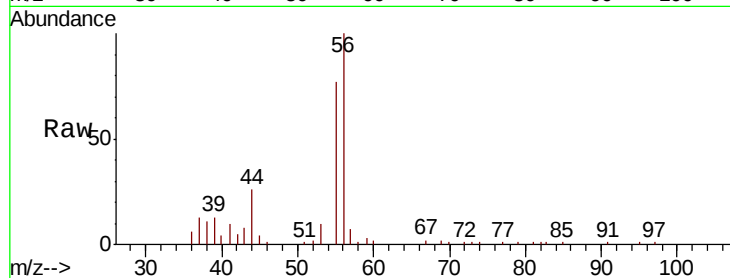
55 77.4 61.9 92.9

Manual Integrations

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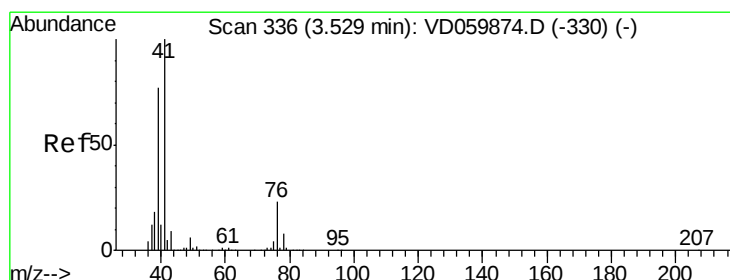
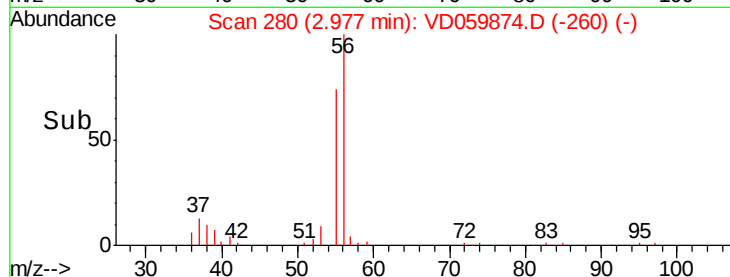
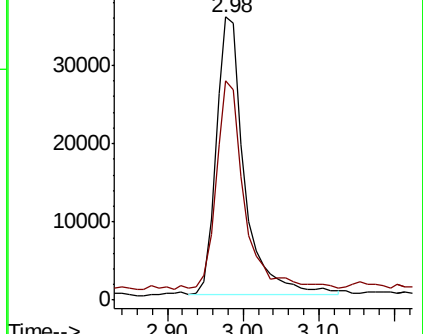
apatel

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.83 ug/l

RT: 3.53 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

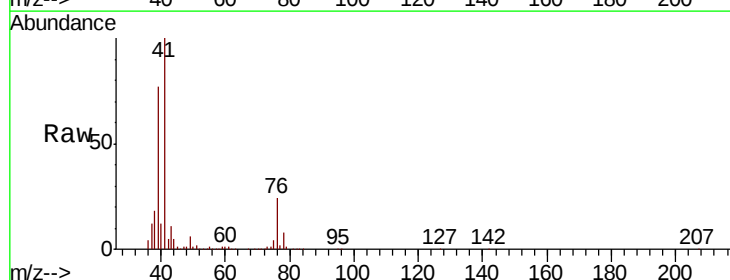
Tgt Ion: 41 Resp: 480555

Ion Ratio Lower Upper

41 100

39 77.2 61.8 92.6

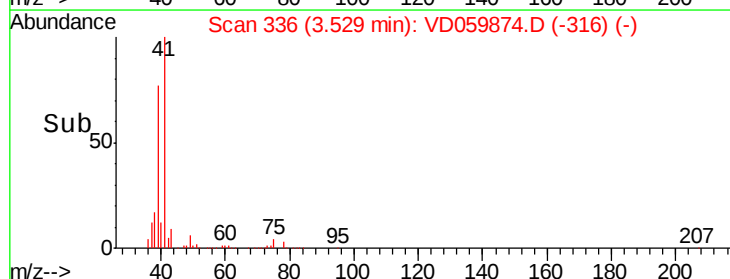
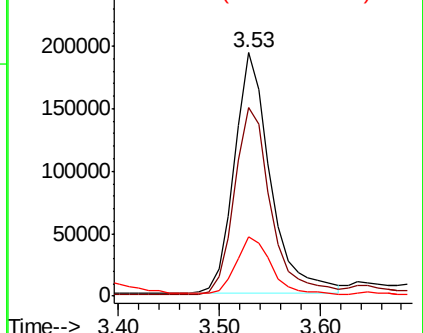
76 24.3 19.4 29.2

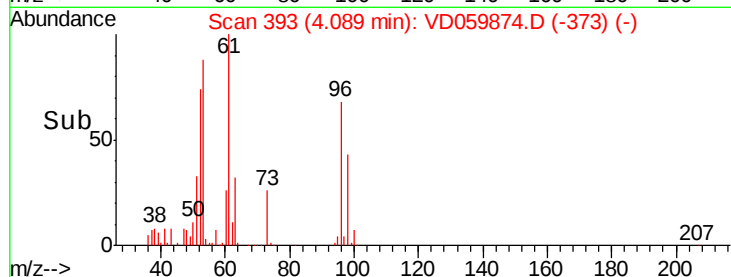
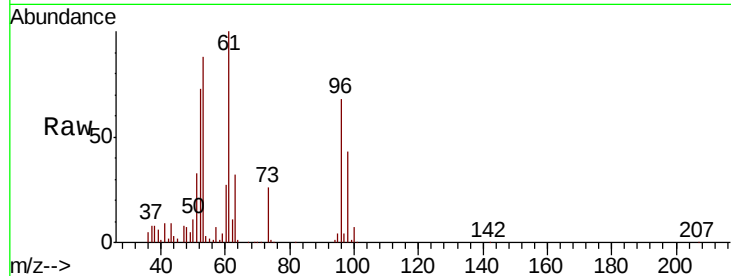
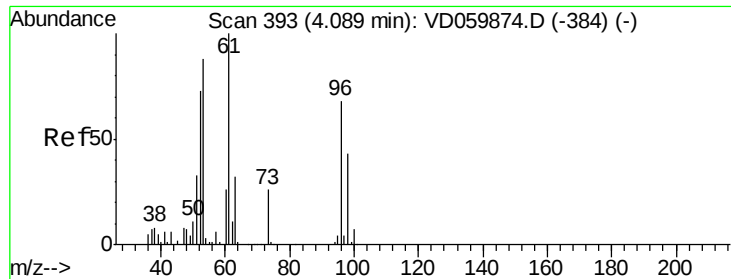


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





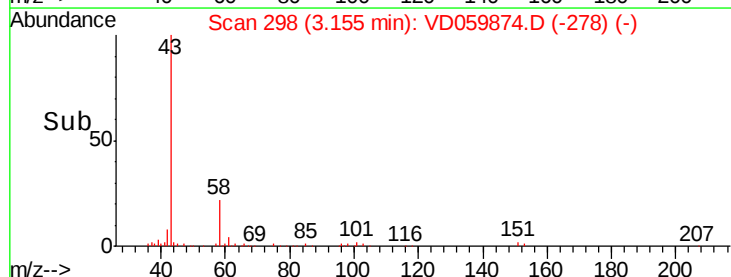
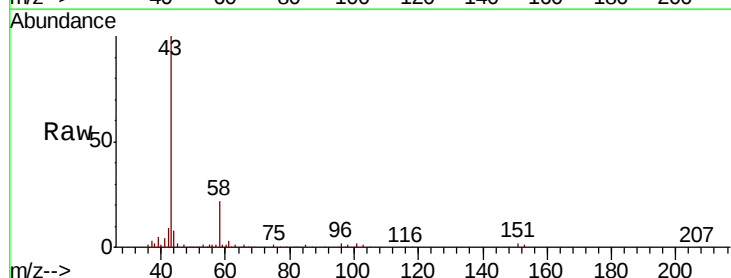
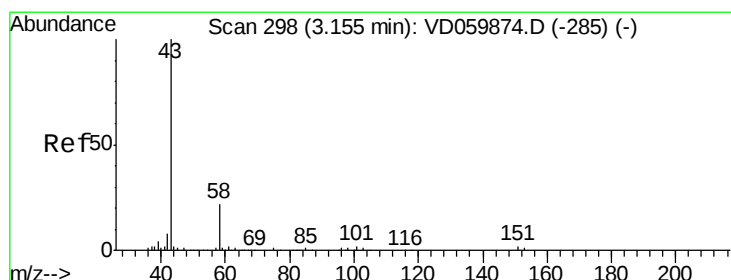
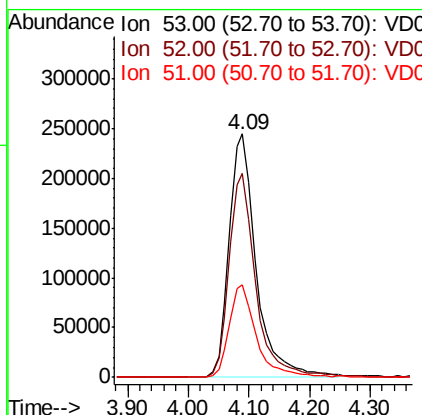
#15
Acrylonitrile
Concen: 267.55 ug/l
RT: 4.09 min Scan# 393
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.9	100.3
51	37.9	30.3	45.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

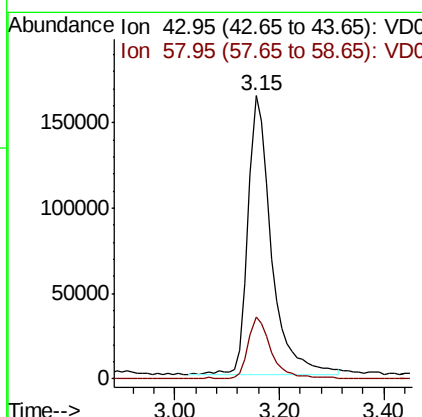
Manual Integrations
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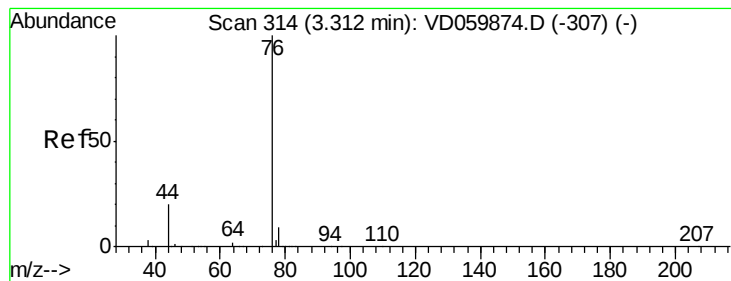
apatel
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#16
Acetone
Concen: 283.78 ug/l
RT: 3.15 min Scan# 298
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	22.0	17.6	26.4





#17

Carbon Disulfide

Concen: 53.61 ug/l

RT: 3.31 min Scan# 314

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 656412

Ion Ratio Lower Upper

76 100

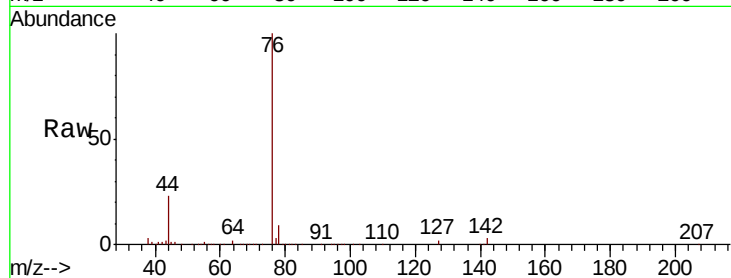
78 9.3 7.4 11.2

Manual Integrations

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apatel

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.31

250000

200000

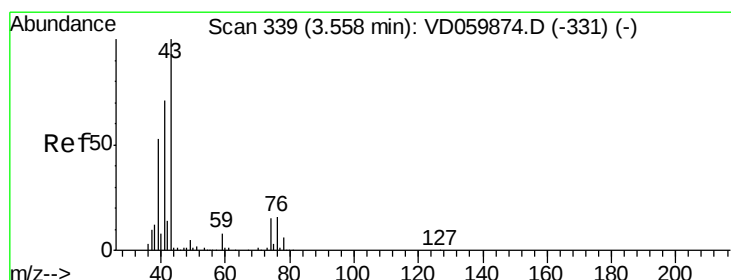
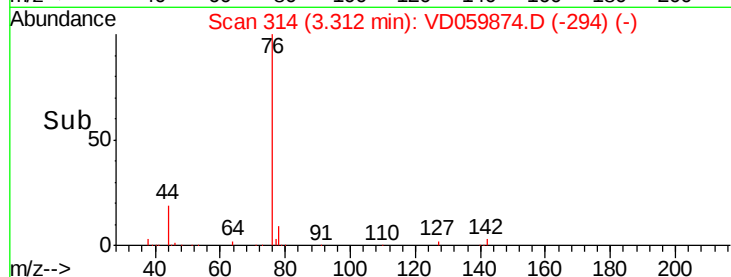
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 51.38 ug/l

RT: 3.56 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD059874.D

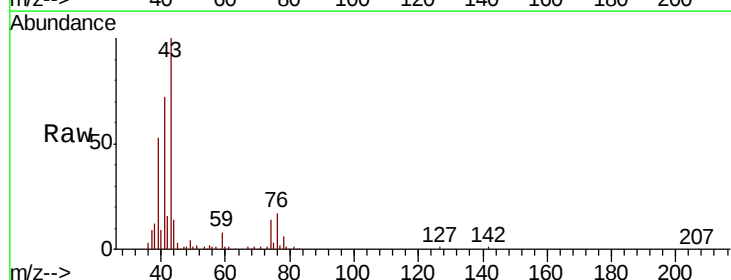
Acq: 22 Aug 2018 14:08

Tgt Ion: 43 Resp: 195473

Ion Ratio Lower Upper

43 100

74 14.0 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.56

80000

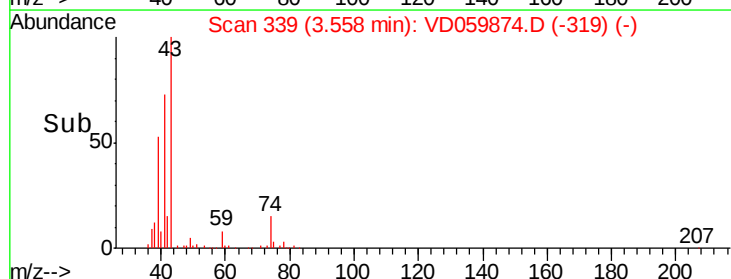
60000

40000

20000

0

Time-->





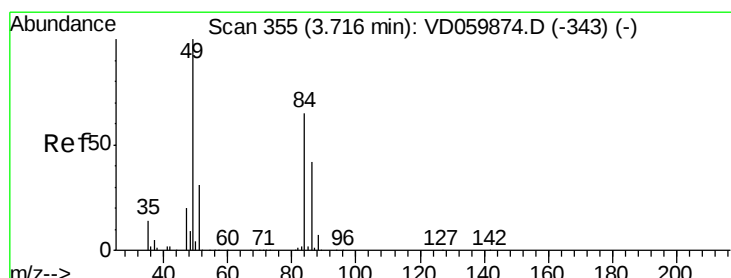
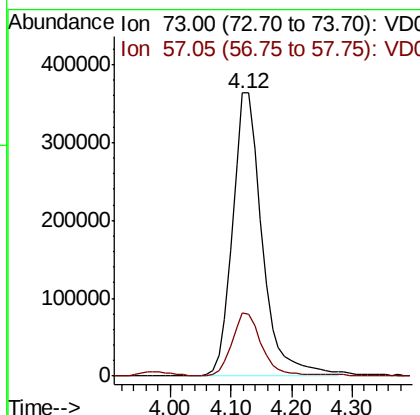
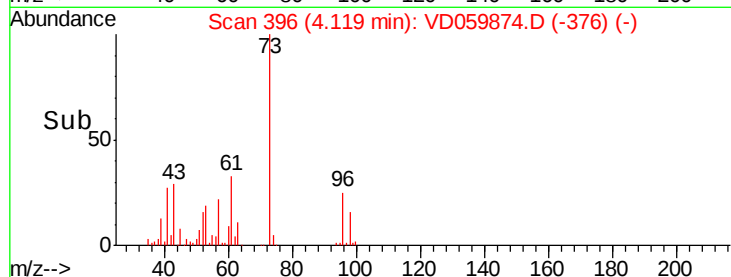
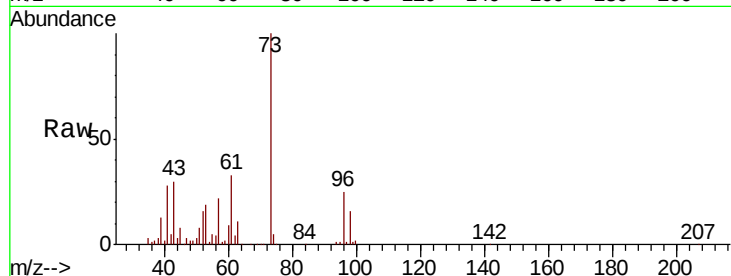
#19
Methvl tert-butvl Ether
Concen: 52.69 ug/l
RT: 4.12 min Scan# 396
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 1241518
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

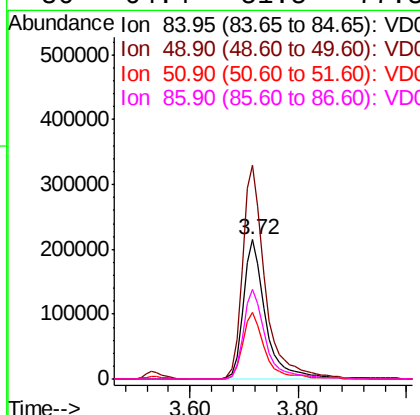
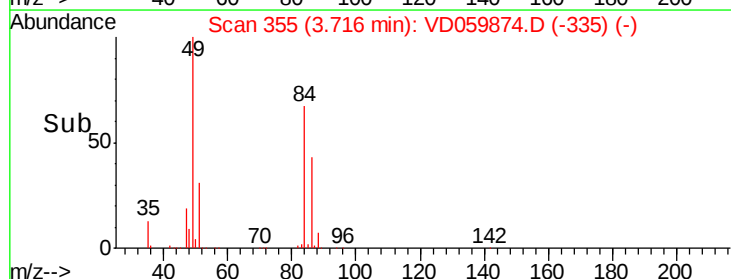
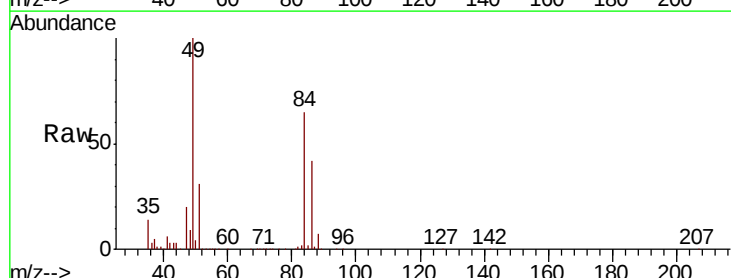
Manual Integrations
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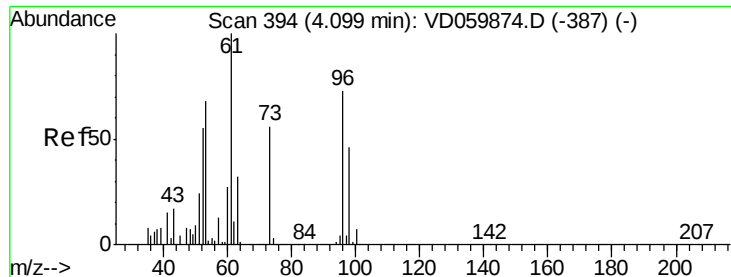
apatel
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#20
Methylene Chloride
Concen: 43.31 ug/l
RT: 3.72 min Scan# 355
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion: 84 Resp: 613035
Ion Ratio Lower Upper
84 100
49 153.2 122.6 183.8
51 48.0 38.4 57.6
86 64.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 51.99 ug/l

RT: 4.10 min Scan# 394

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

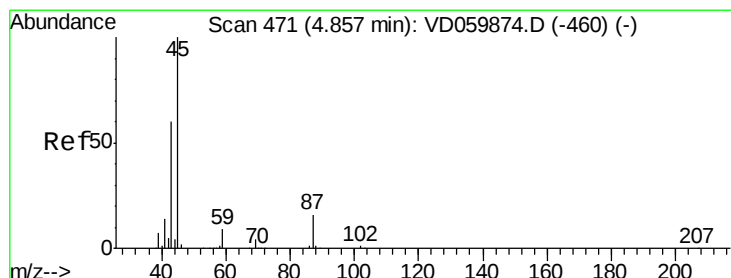
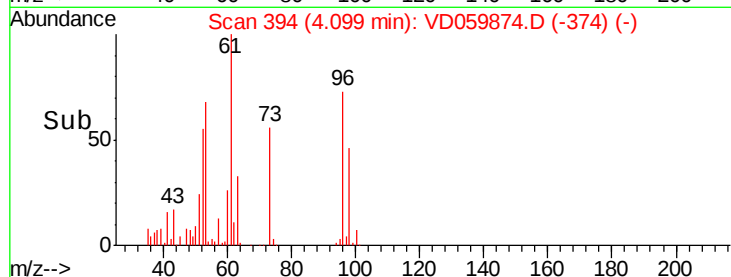
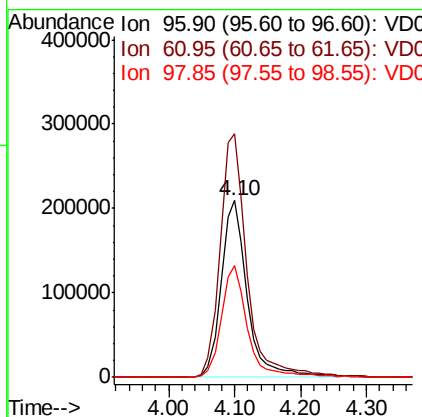
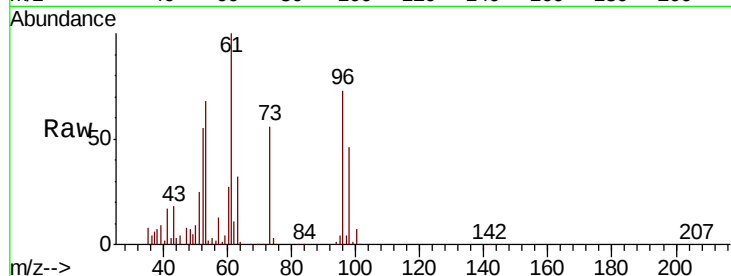
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	579629
Ion	Ratio	Lower	Upper
96	100		
61	137.8	110.2	165.4
98	63.6	50.9	76.3

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#22

Diisopropyl ether

Concen: 52.54 ug/l

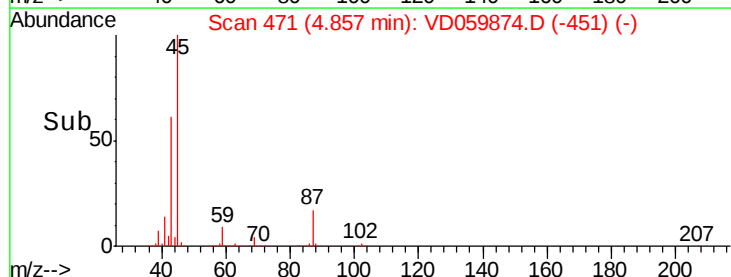
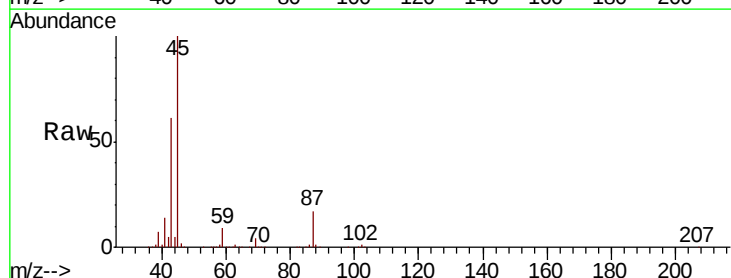
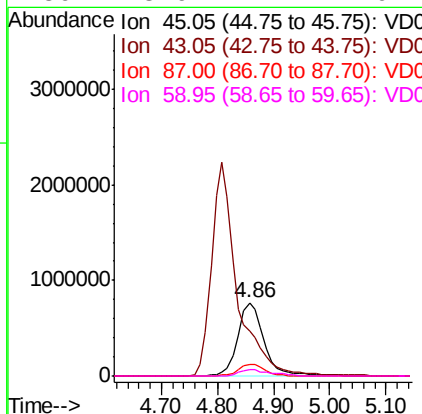
RT: 4.86 min Scan# 471

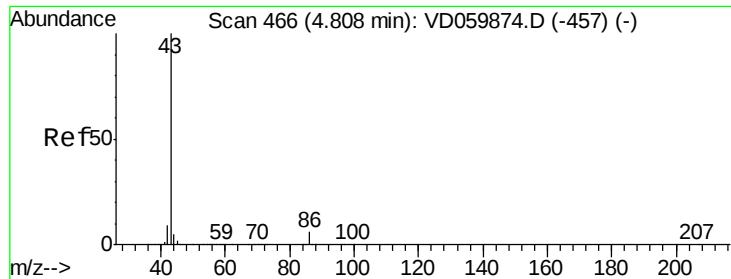
Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Tgt Ion:	45	Resp:	2478615
Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.6	72.8
87	16.6	13.3	19.9
59	8.9	7.1	10.7





#23

Vinyl Acetate

Concen: 269.37 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleID :

VSTDICCC050

Tot Ion: 43 Resp: 7081545

Ion Ratio Lower Upper

43 100

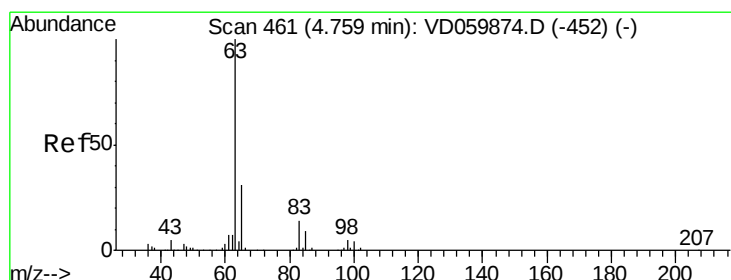
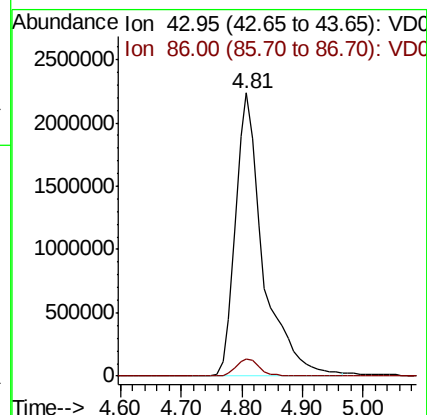
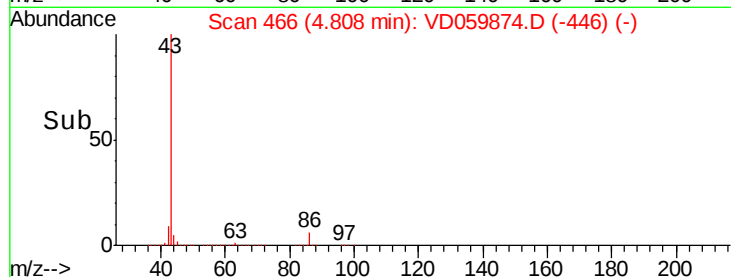
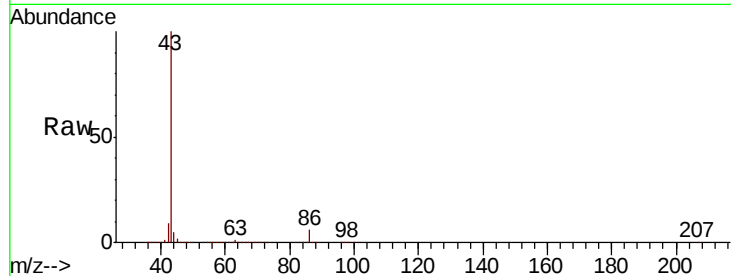
86 6.3 5.0 7.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.85 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

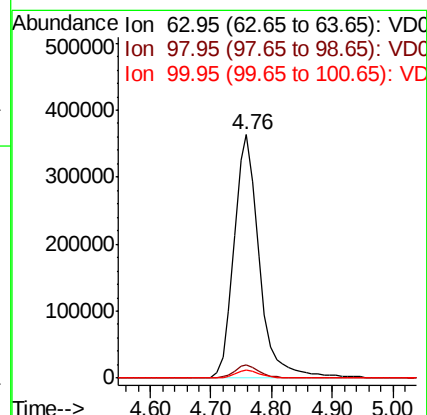
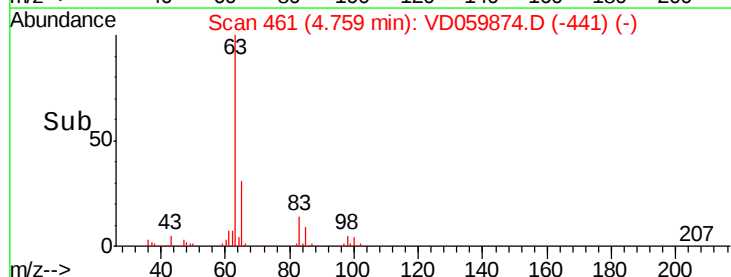
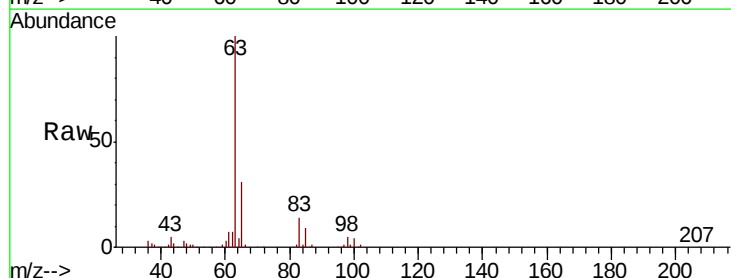
Tgt Ion: 63 Resp: 1054807

Ion Ratio Lower Upper

63 100

98 5.4 2.7 8.1

100 3.5 1.8 5.3





#25

2-Butanone

Concen: 292.49 ug/l

RT: 5.62 min Scan# 549

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1507120

Ion Ratio Lower Upper

43 100

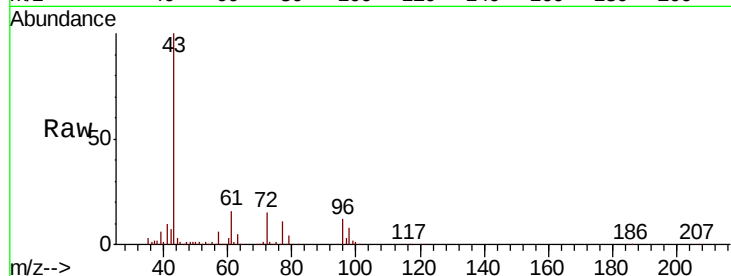
72 15.4 12.3 18.5

Manual Integrations

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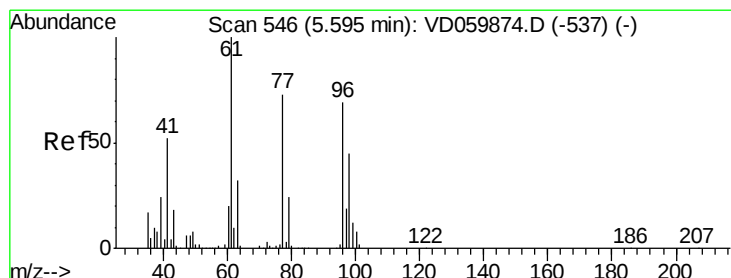
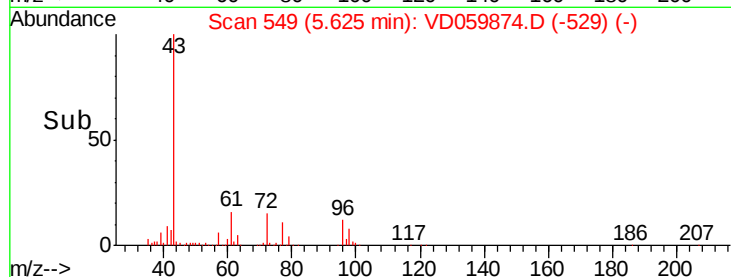
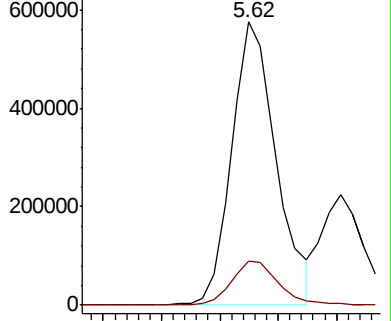
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.95 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059874.D

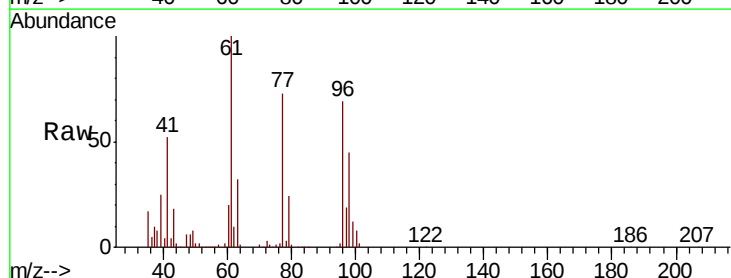
Acq: 22 Aug 2018 14:08

Tgt Ion: 77 Resp: 830107

Ion Ratio Lower Upper

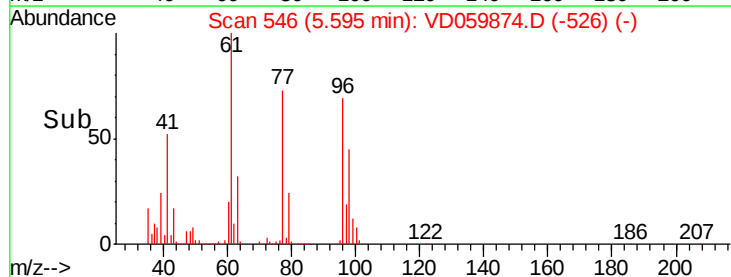
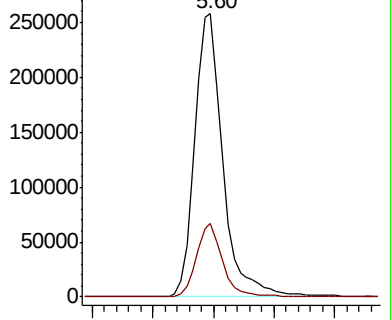
77 100

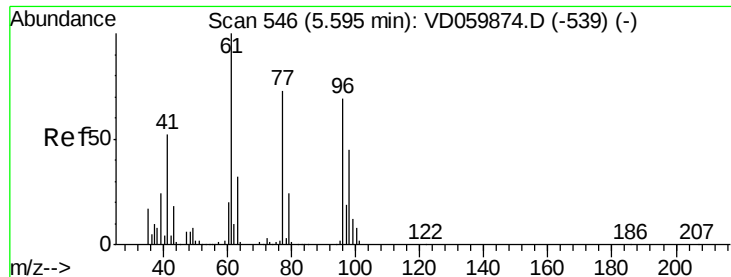
97 25.9 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

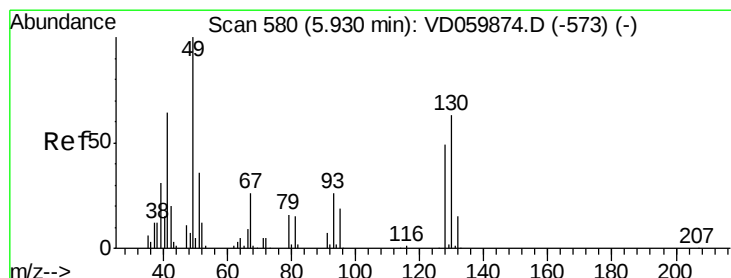
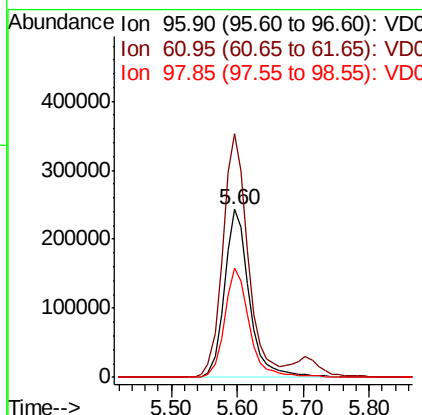
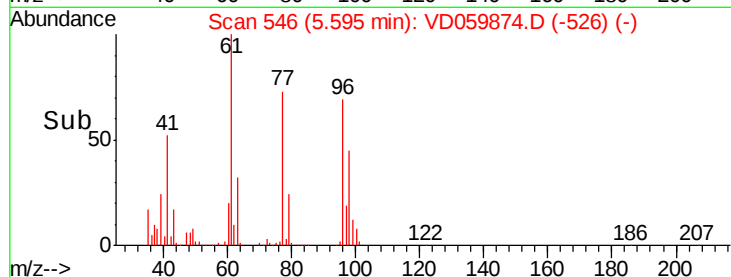
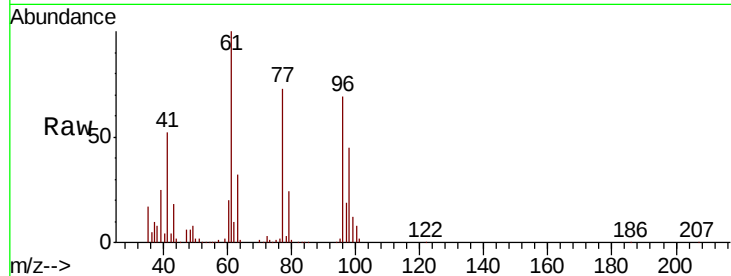
cis-1,2-Dichloroethene
 Concen: 51.99 ug/l
 RT: 5.60 min Scan# 546
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	643428		
61	145.1	0.0	290.2	
98	65.2	0.0	130.4	

Manual Integrations
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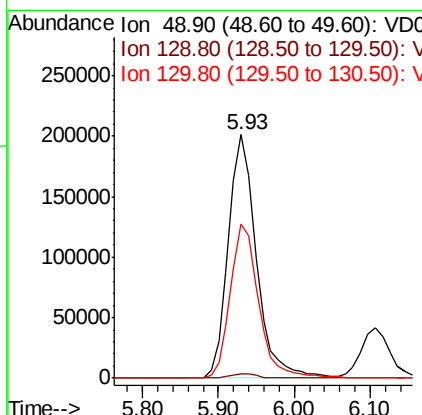
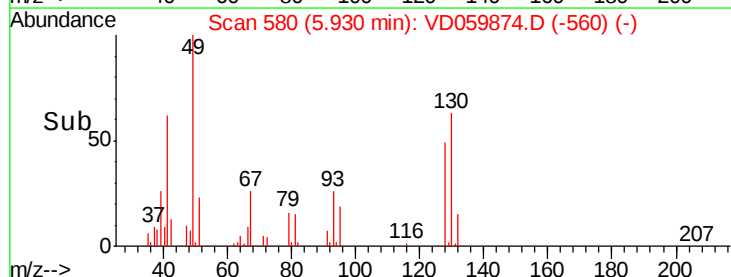
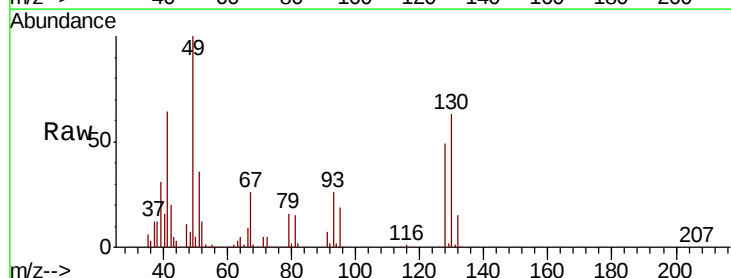
apatel
 8/23/2018 10:52:43 AM

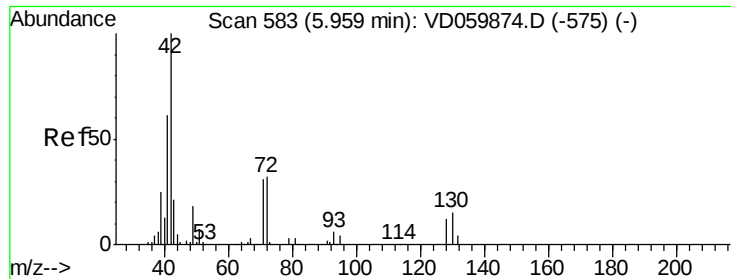


#28

Bromochloromethane
 Concen: 53.00 ug/l
 RT: 5.93 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	517897		
129	1.6	0.0	3.2	
130	63.2	50.6	75.8	





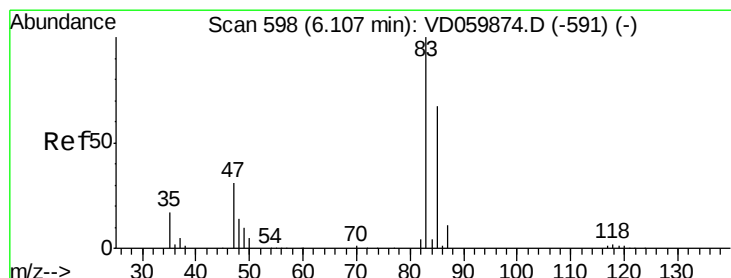
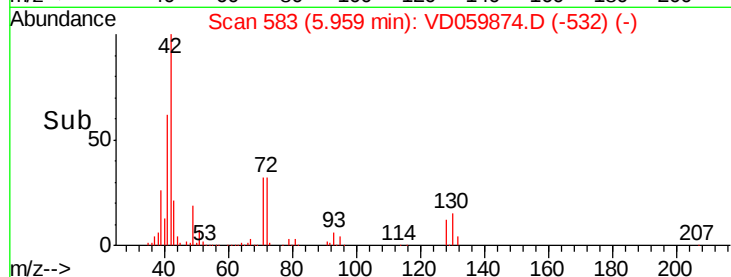
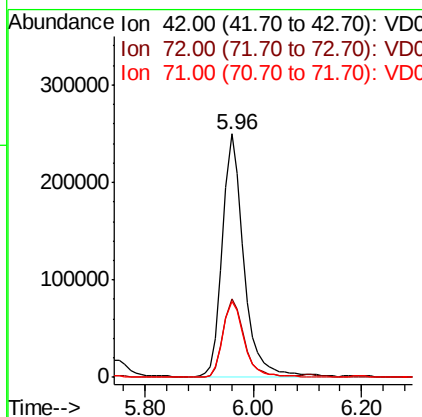
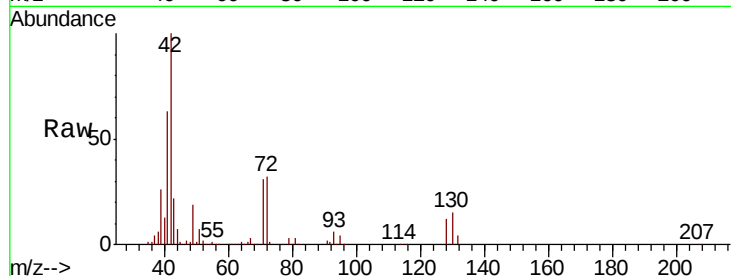
#29
Tetrahydrofuran
Concen: 265.57 ug/l
RT: 5.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.1	25.7	38.5
71	31.6	25.3	37.9

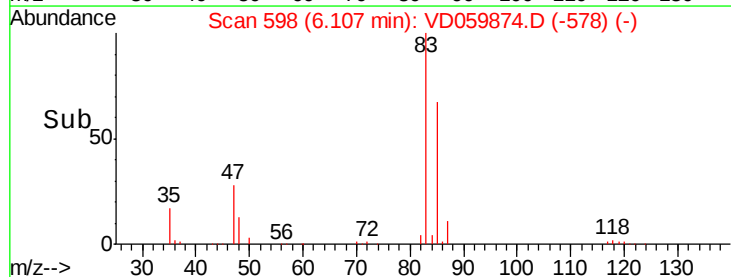
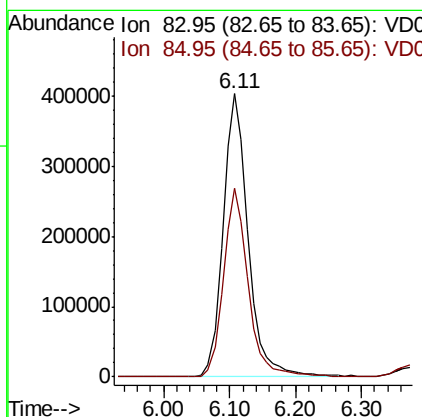
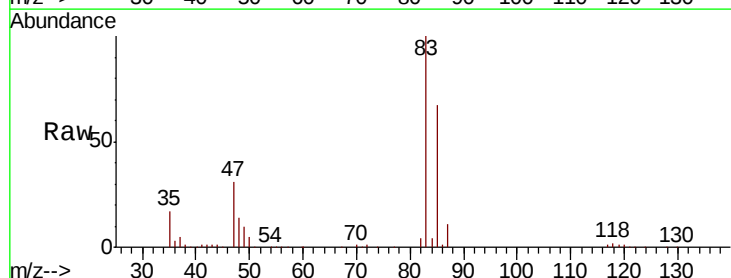
Manual Integrations
APPROVED

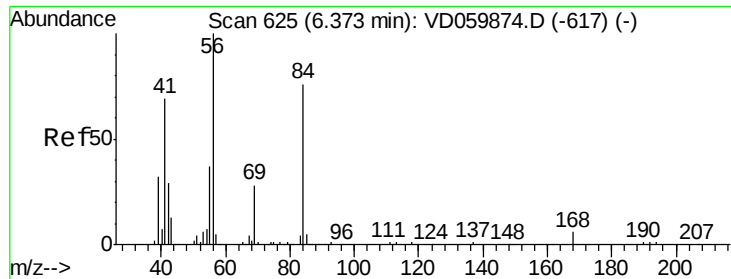
apatel
8/23/2018 10:52:43 AM



#30
Chloroform
Concen: 51.24 ug/l
RT: 6.11 min Scan# 598
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	53.5	80.3





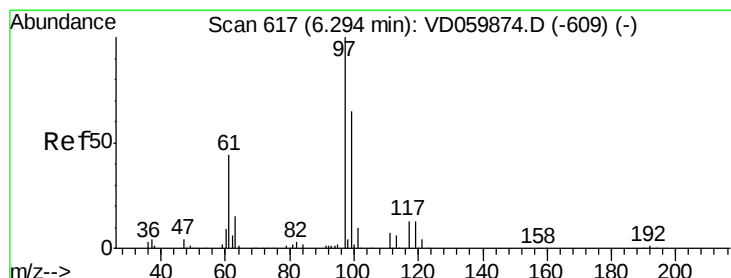
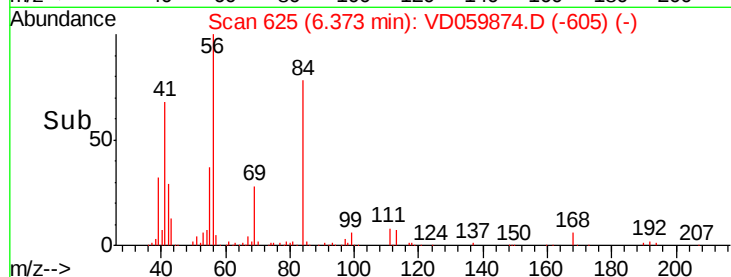
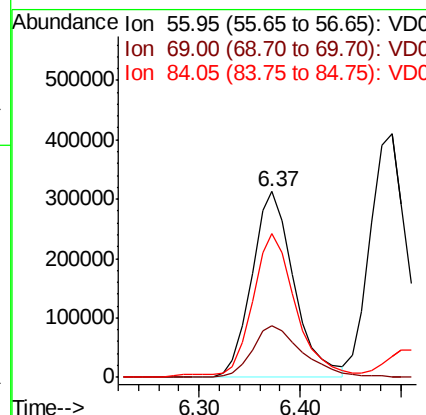
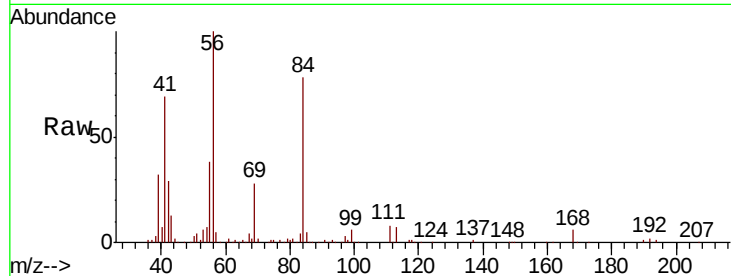
#31
Cyclohexane
Concen: 48.99 ug/l
RT: 6.37 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	22.4	33.6
84	77.6	62.1	93.1

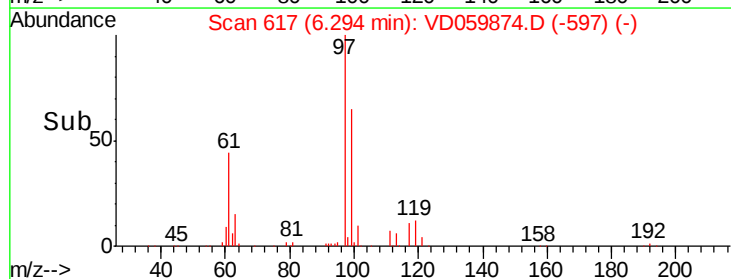
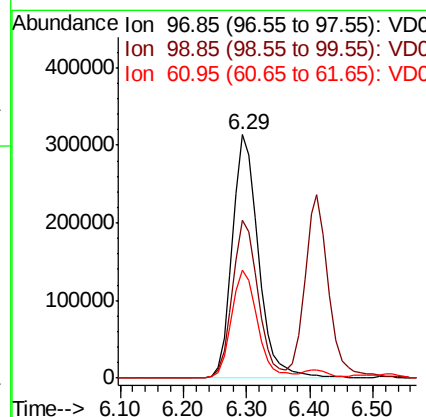
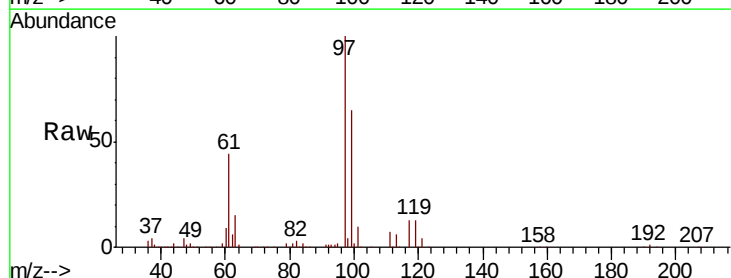
Manual Integrations
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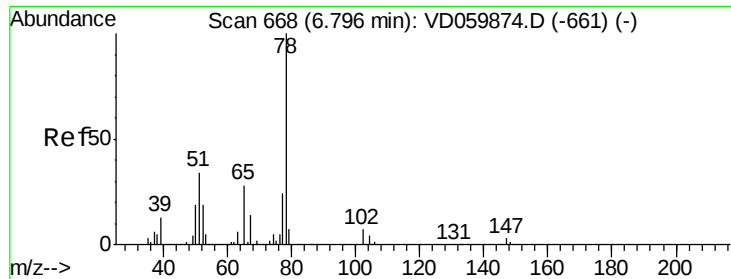
apatel
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#32
1,1,1-Trichloroethane
Concen: 50.99 ug/l
RT: 6.29 min Scan# 617
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	44.3	35.4	53.2





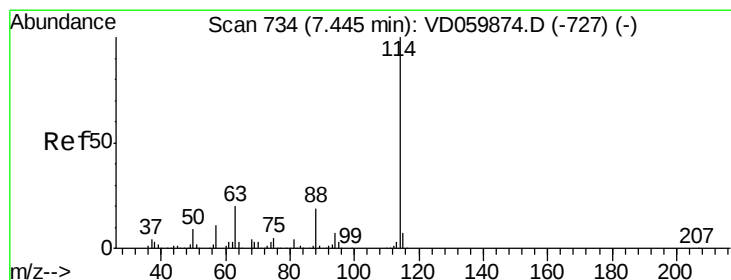
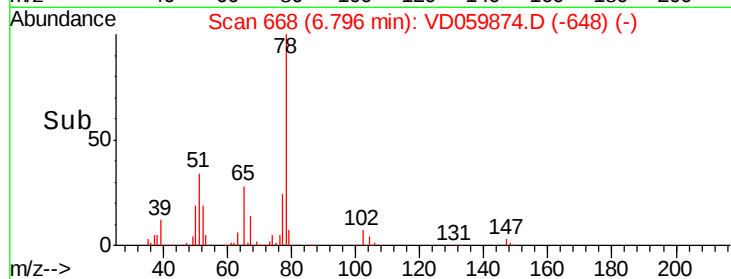
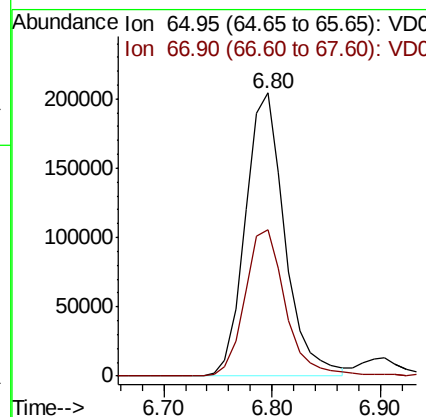
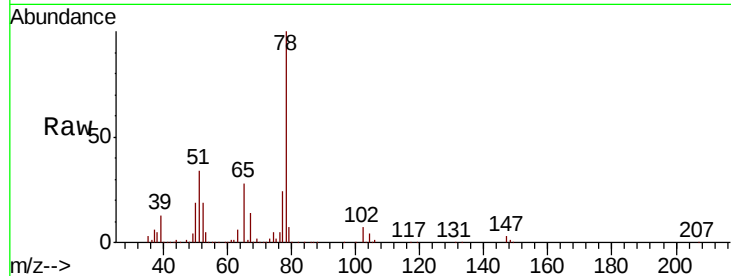
#33
 1,2-Dichloroethane-d4
 Concen: 50.99 ug/l
 RT: 6.80 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.9	0.0	103.8	

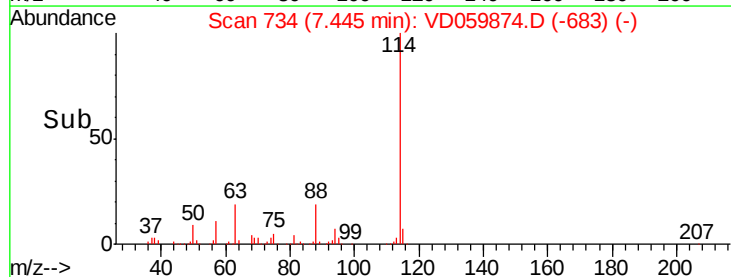
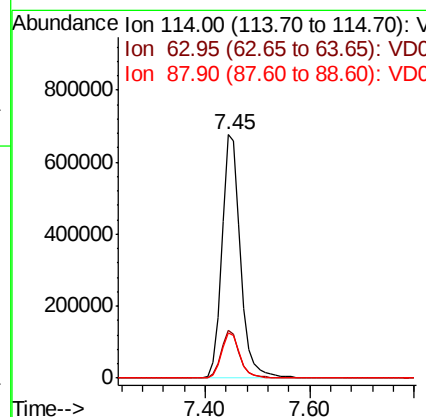
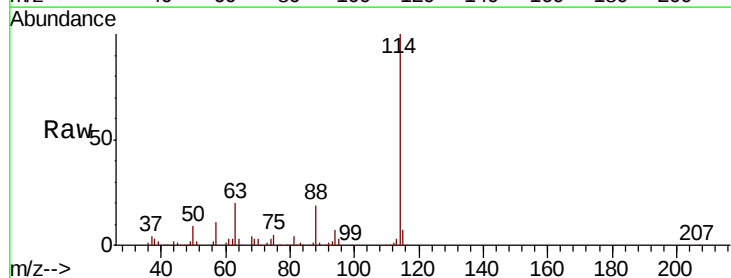
Manual Integrations
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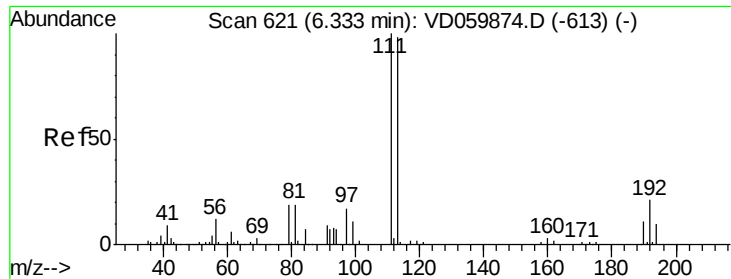
apatel
 8/23/2018 10:52:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	39.4	
88	18.8	0.0	37.6	





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.33 min Scan# 621

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

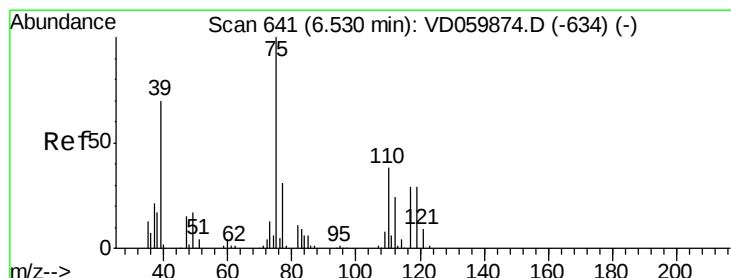
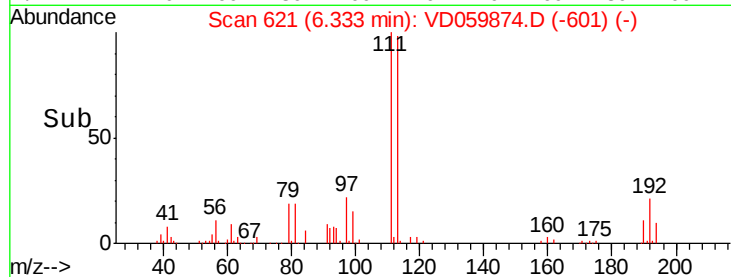
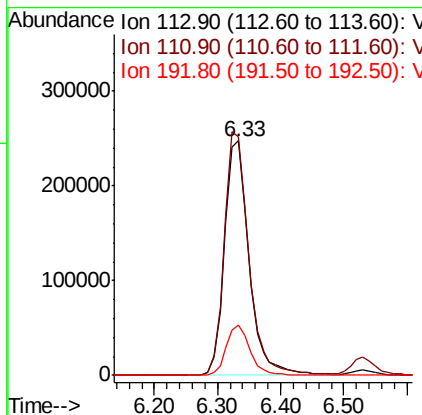
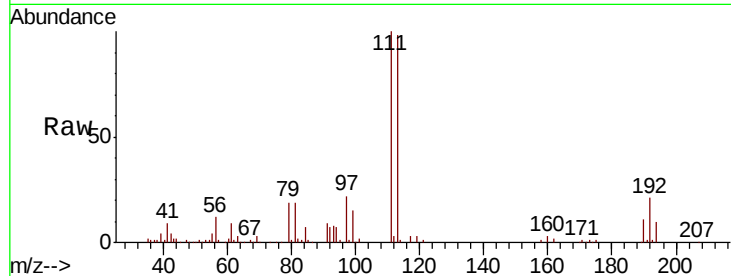
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	669375
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.4	122.2
192	21.3	17.0	25.6

Manual Integrations
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apatel
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#36

1,1-Dichloropropene

Concen: 51.58 ug/l

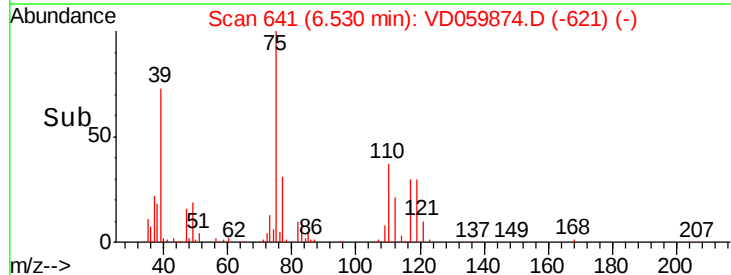
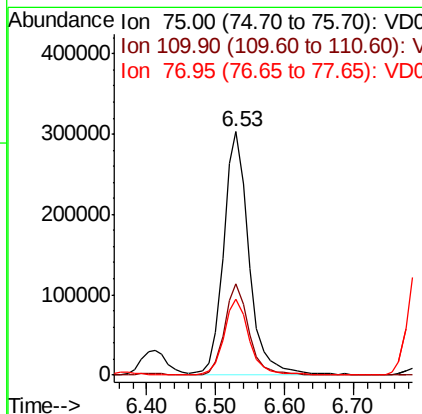
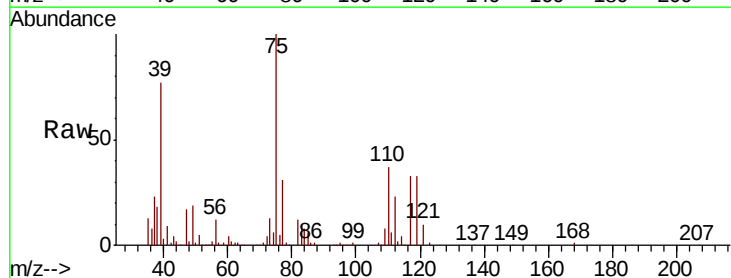
RT: 6.53 min Scan# 641

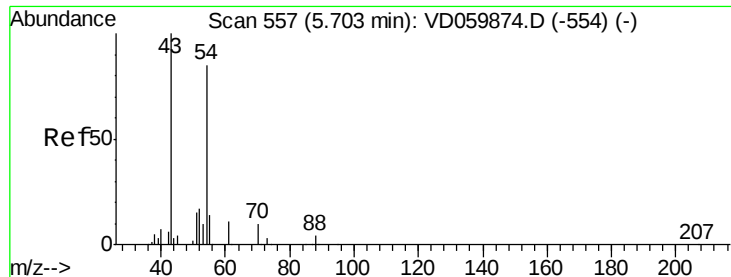
Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Tgt Ion:	75	Resp:	761177
Ion Ratio	Lower	Upper	
75	100		
110	37.3	18.6	56.0
77	31.4	25.1	37.7





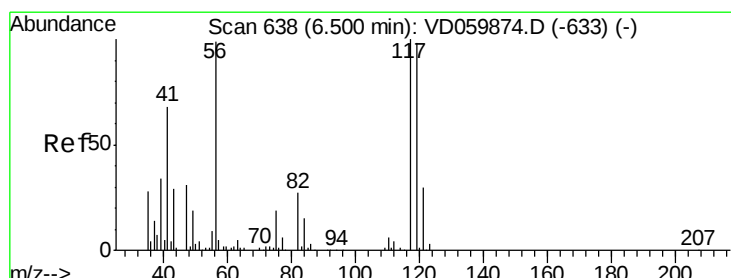
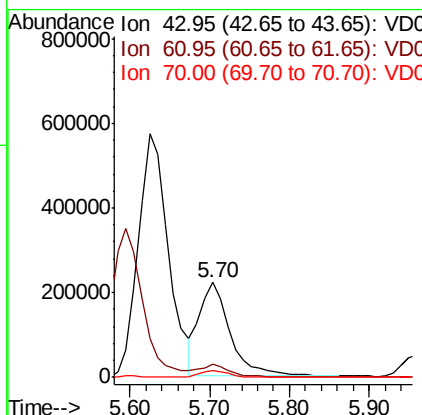
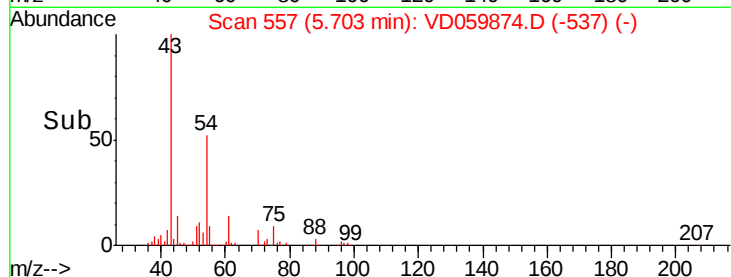
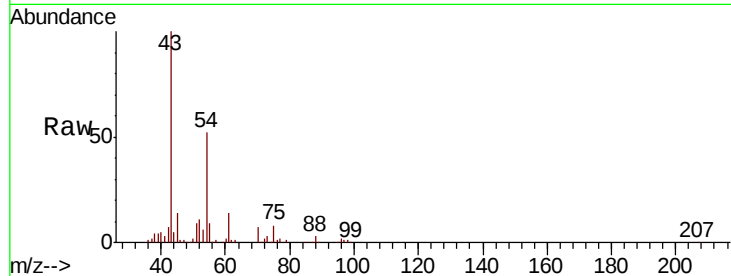
#37
Ethyl Acetate
Concen: 50.08 ug/l
RT: 5.70 min Scan# 557
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	7.1	5.7	8.5

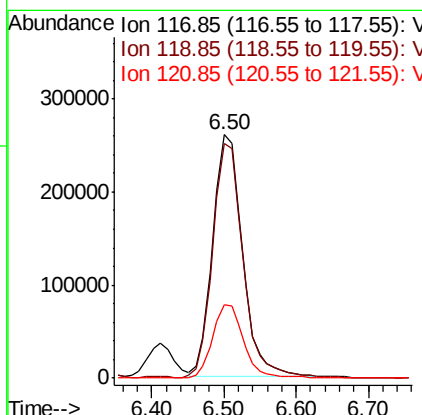
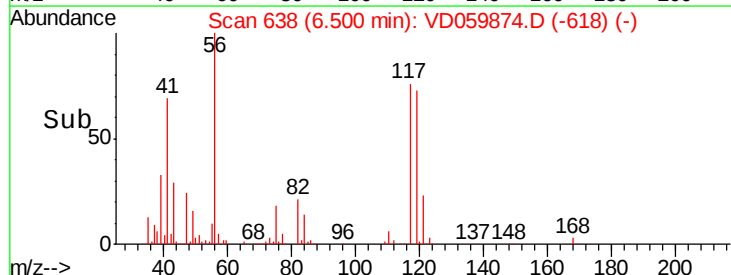
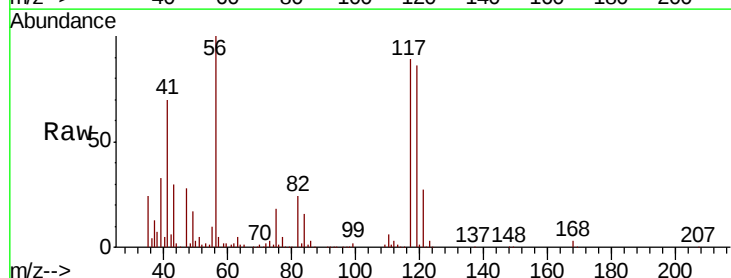
Manual Integrations
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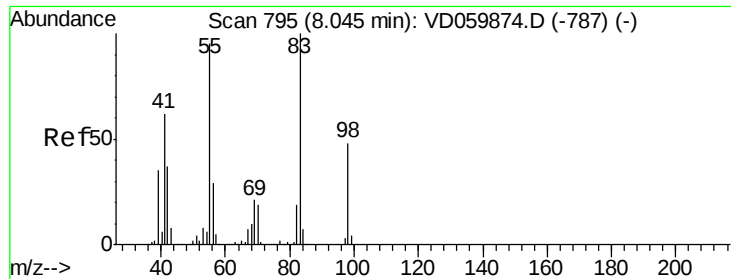
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#38
Carbon Tetrachloride
Concen: 49.92 ug/l
RT: 6.50 min Scan# 638
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	30.0	24.0	36.0





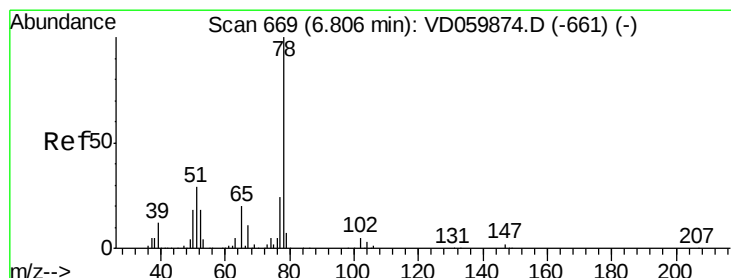
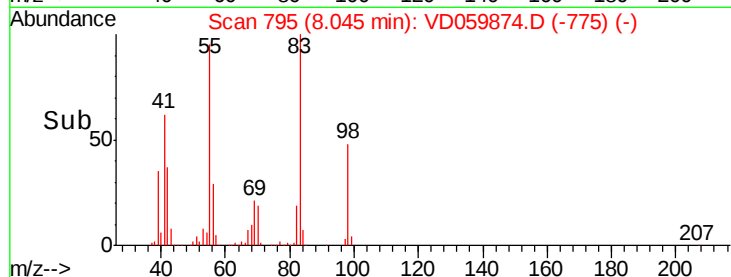
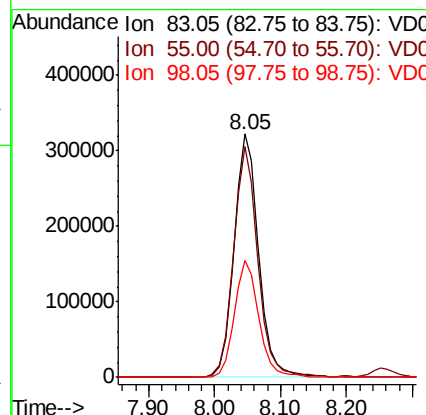
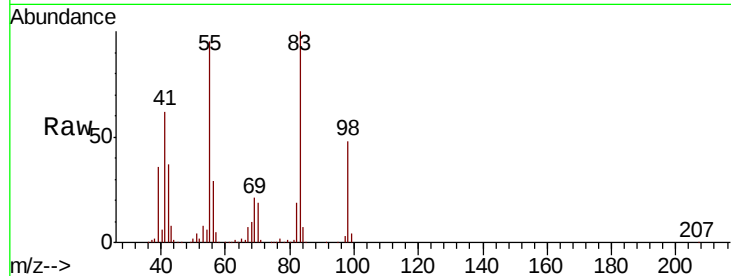
#39
Methvlcvclohexane
Concen: 51.50 ug/l
RT: 8.05 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.7	75.8	113.6
98	47.9	38.3	57.5

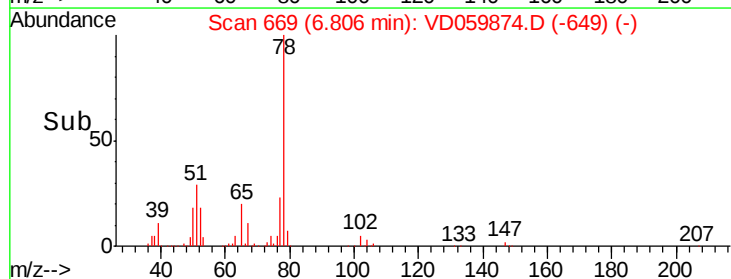
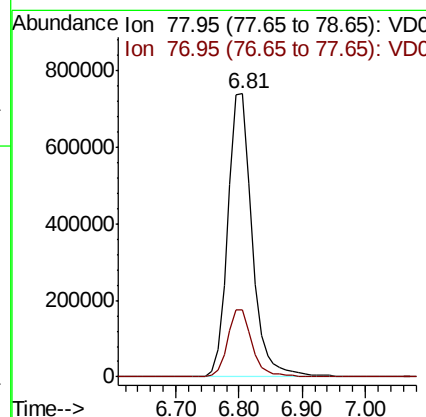
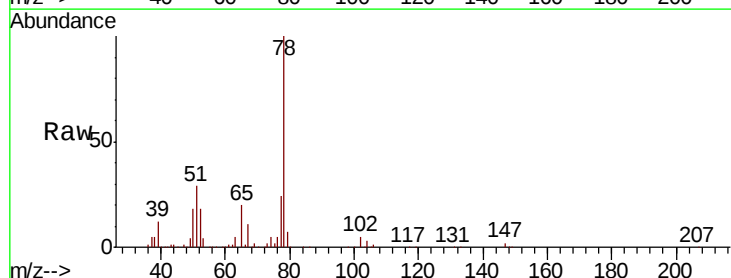
Manual Integrations
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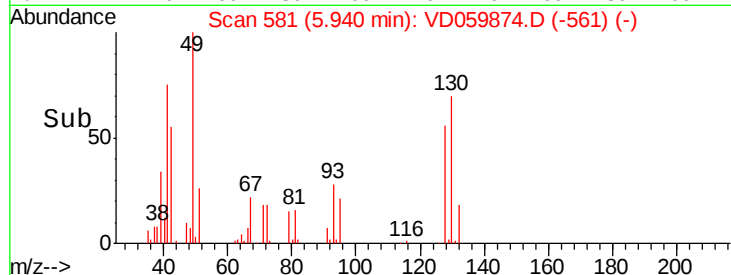
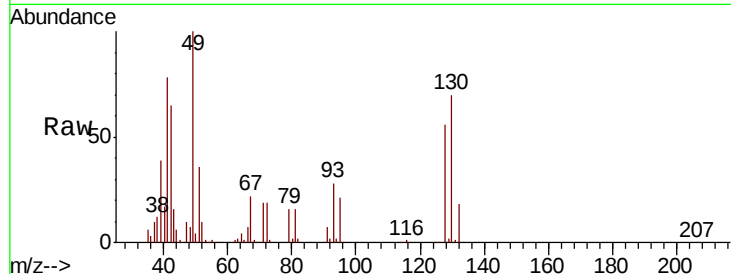
apatel
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#40
Benzene
Concen: 51.29 ug/l
RT: 6.81 min Scan# 669
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





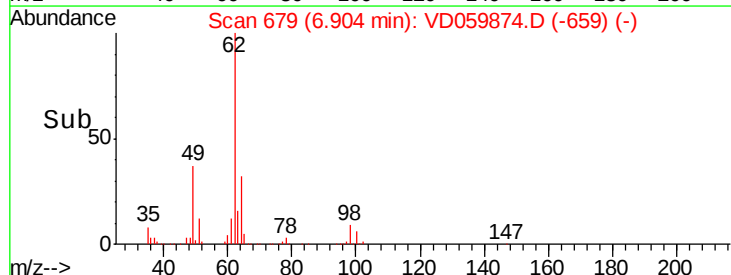
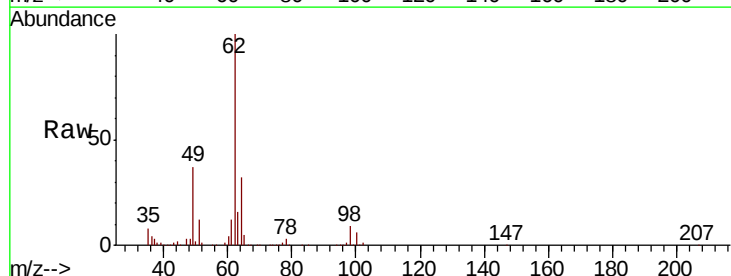
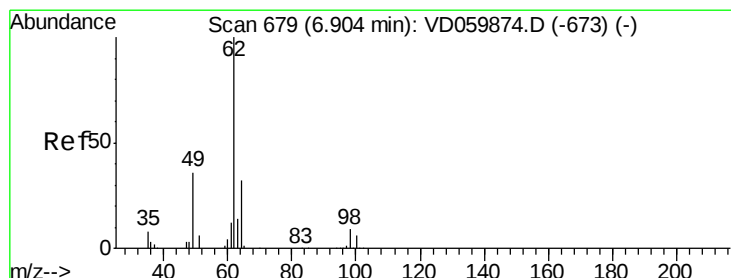
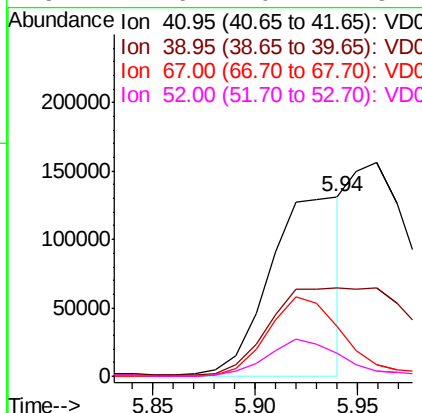
#41
Methacrylonitrile
Concen: 30.24 ug/l m
RT: 5.94 min Scan# 581
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tot Ion	41	Resp	321347
Ion	Ratio	Lower	Upper
41	100		
39	49.3	39.4	59.2
67	27.7	22.2	33.2
52	12.6	10.1	15.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

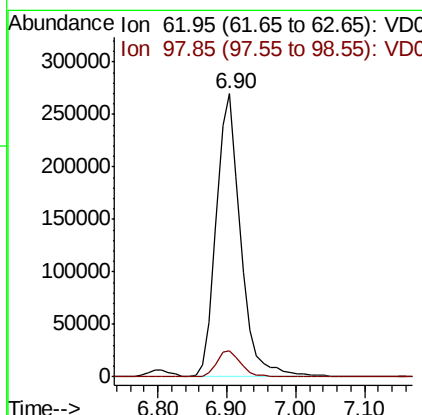
Manual Integrations
APPROVED

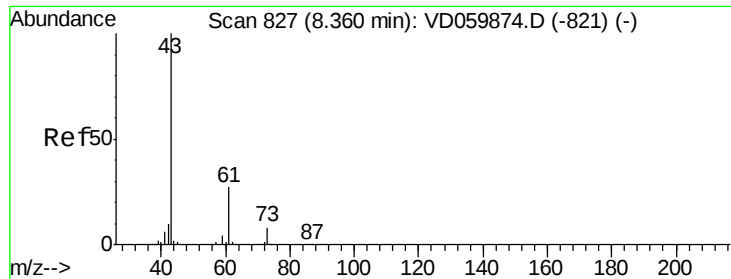
apatel
8/23/2018 10:52:43 AM



#42
1,2-Dichloroethane
Concen: 52.16 ug/l
RT: 6.90 min Scan# 679
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	62	Resp	657928
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





#43

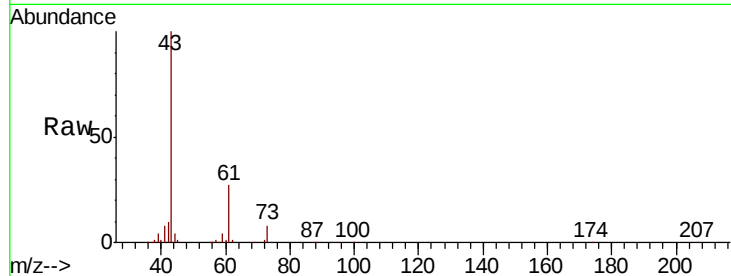
Isopropyl Acetate
 Concen: 52.69 ug/l
 RT: 8.36 min Scan# 827
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	21.4	32.2
87	0.3	0.2	0.4

Manual Integrations
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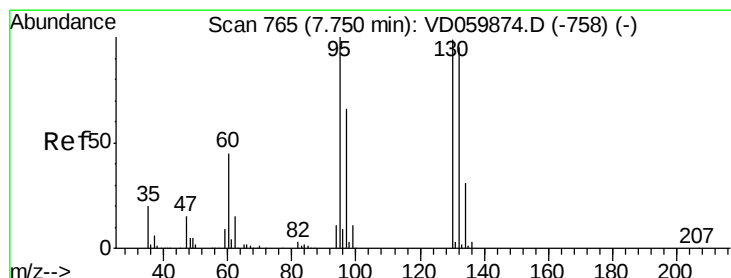
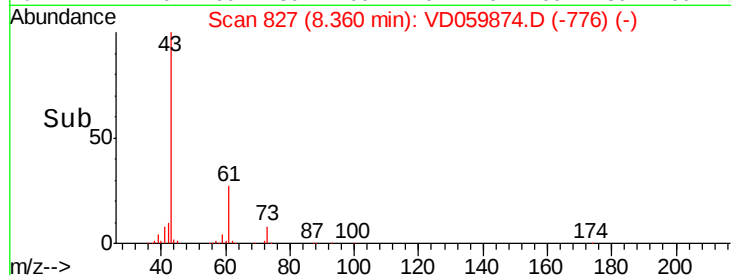
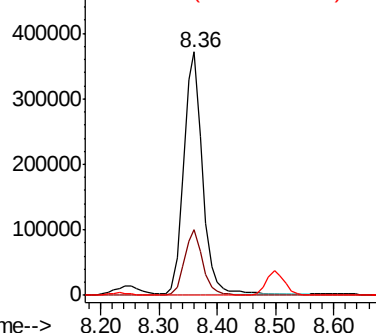


Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

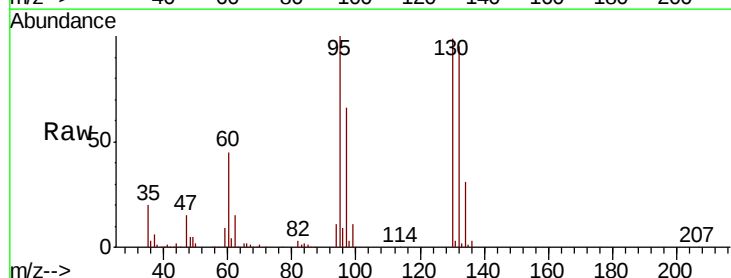
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene
 Concen: 51.87 ug/l
 RT: 7.75 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

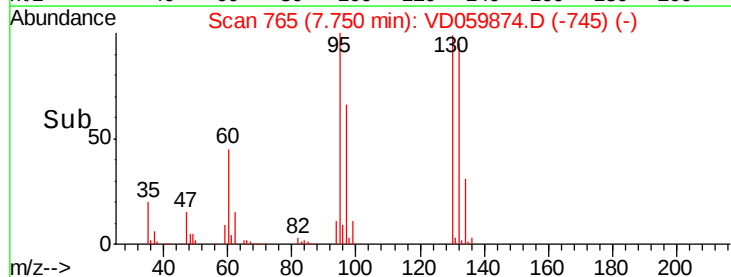
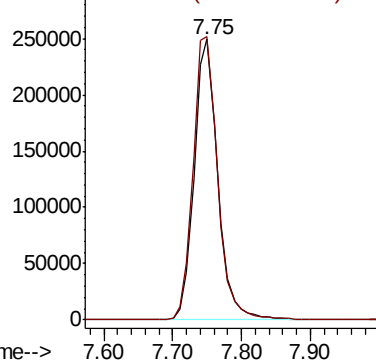
Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	202.0

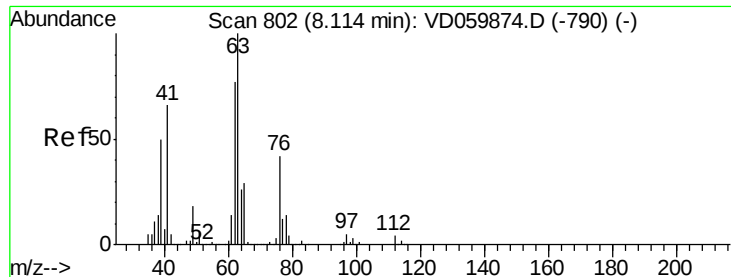


Abundance

Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.88 ug/l

RT: 8.11 min Scan# 802

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 568041

Ion Ratio Lower Upper

63 100

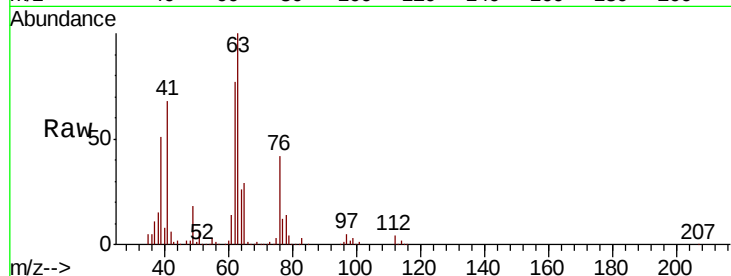
65 29.4 23.5 35.3

Manual Integrations

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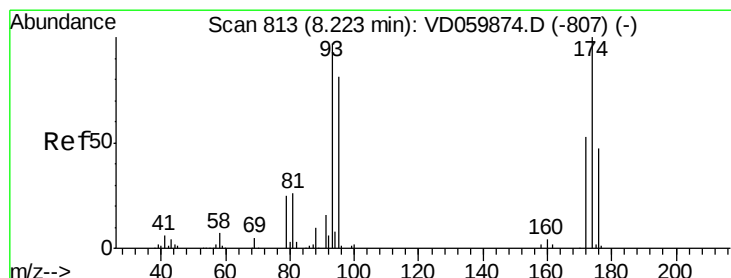
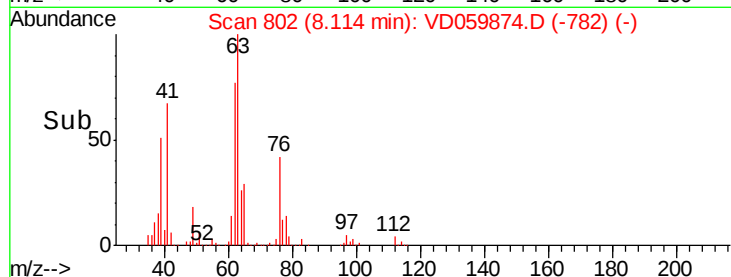
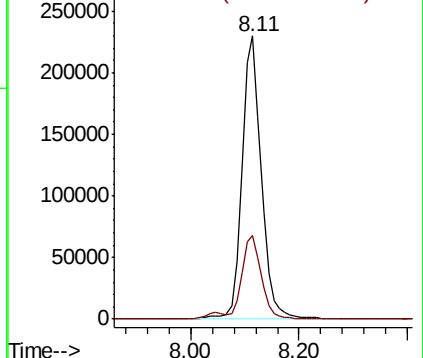
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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 52.69 ug/l

RT: 8.22 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

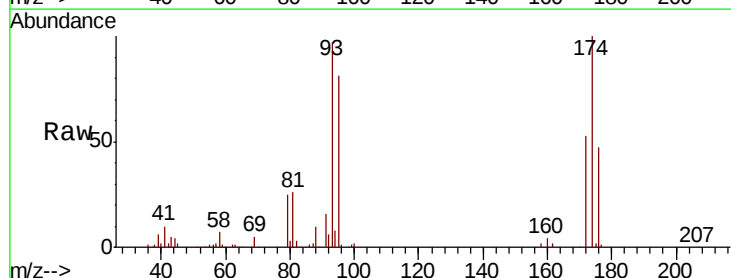
Tgt Ion: 93 Resp: 369749

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

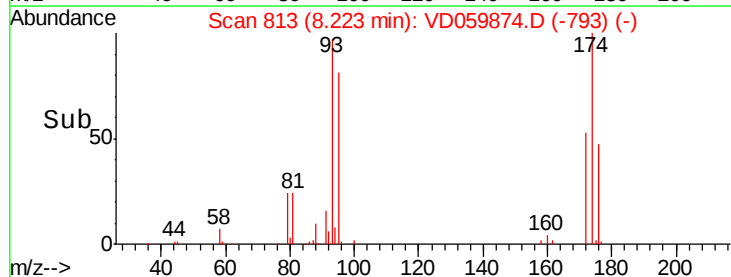
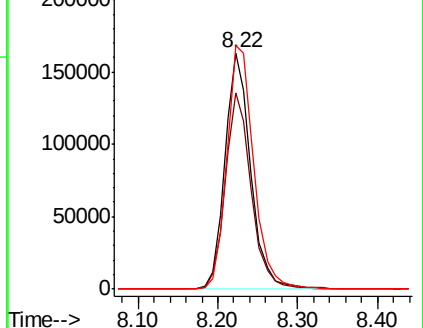
174 103.0 82.4 123.6

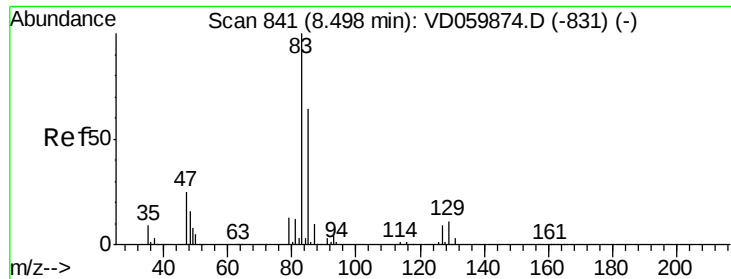


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





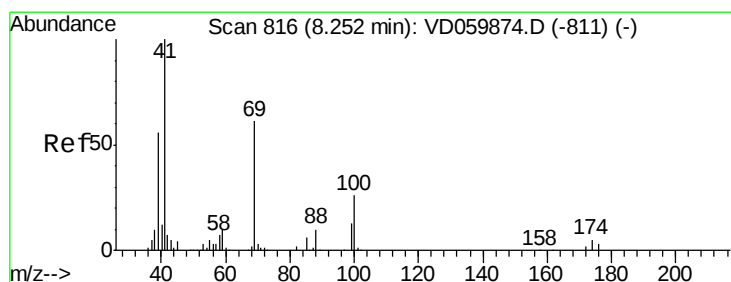
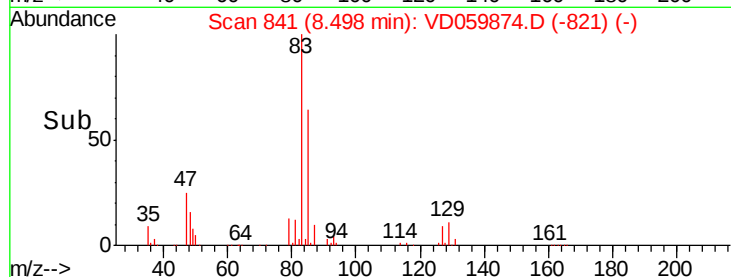
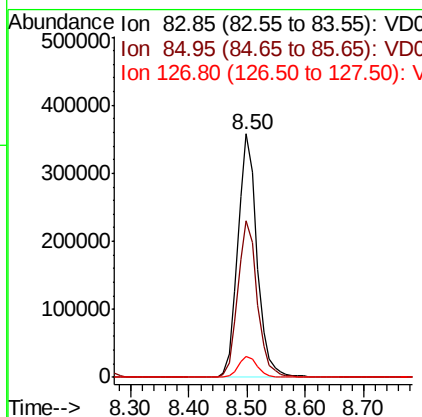
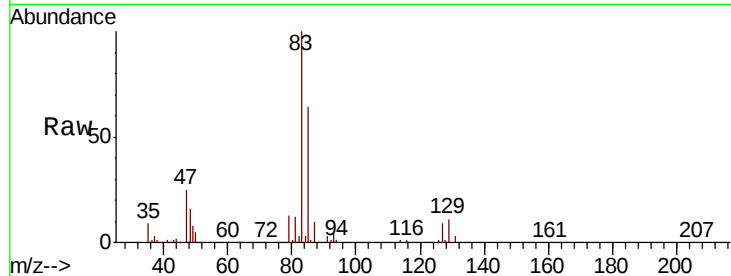
#47
 Bromodichloromethane
 Concen: 51.52 ug/l
 RT: 8.50 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	83	Resp	817119
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.3	76.9
127	8.7	7.0	10.4

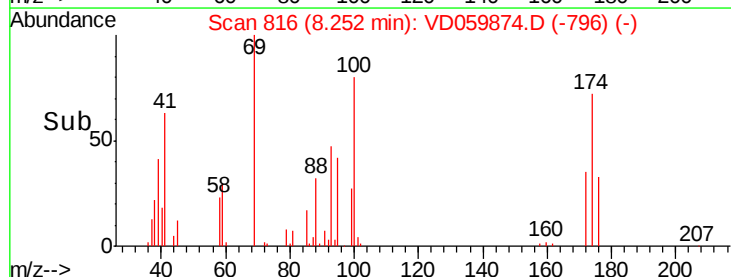
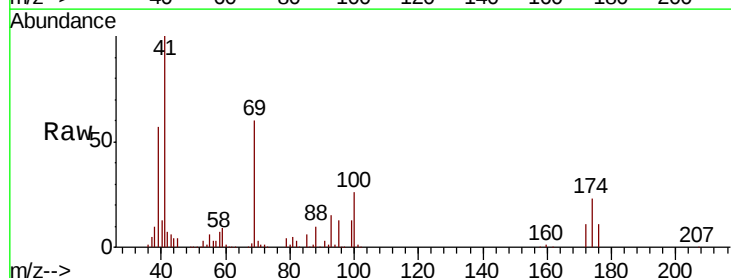
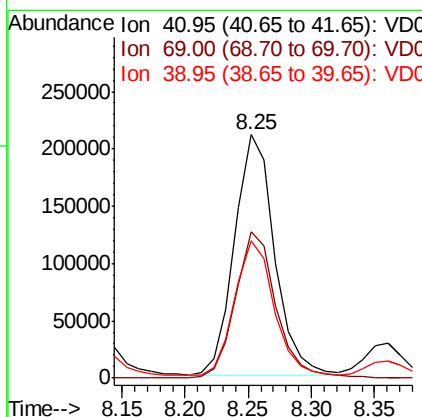
Manual Integrations
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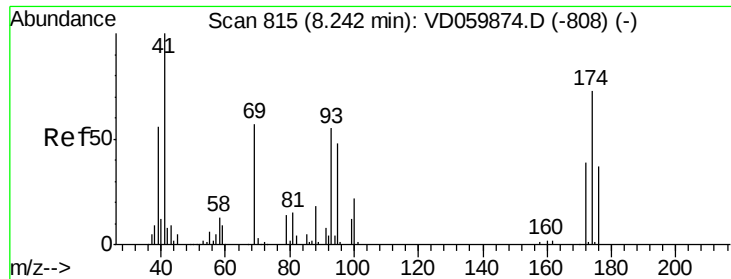
apatel
 8/23/2018 10:52:43 AM



#48
 Methyl methacrylate
 Concen: 52.60 ug/l
 RT: 8.25 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Tgt Ion	41	Resp	460706
Ion Ratio	100	Lower	Upper
41	100		
69	60.0	48.0	72.0
39	56.7	45.4	68.0





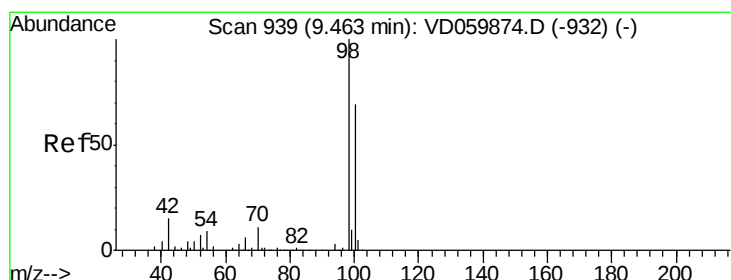
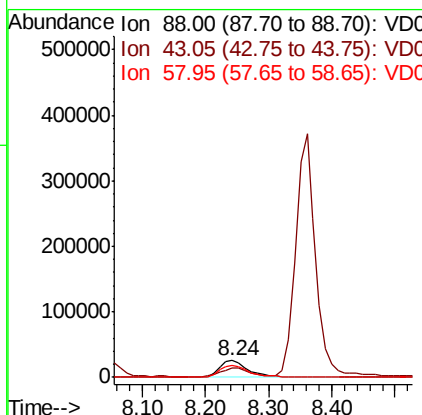
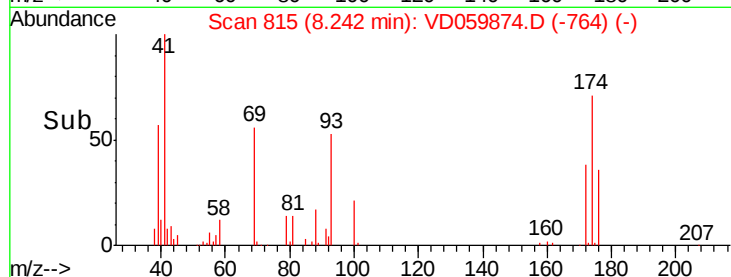
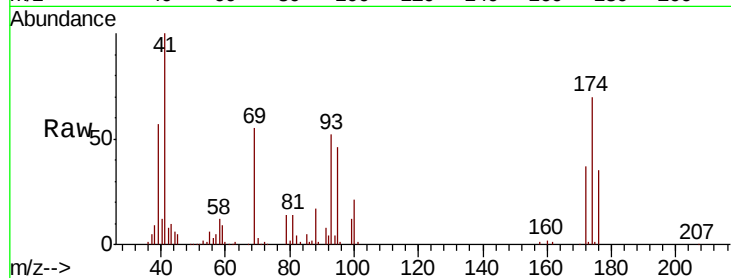
#49
1,4-Dioxane
Concen: 1057.81 ug/l
RT: 8.24 min Scan# 815
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	56.3	45.0	67.6
58	69.8	55.8	83.8

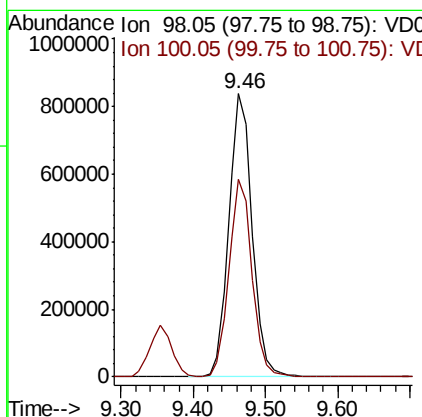
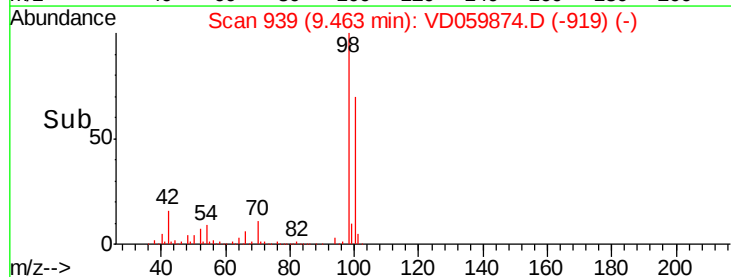
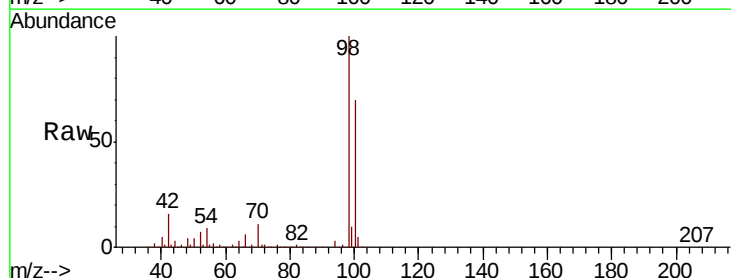
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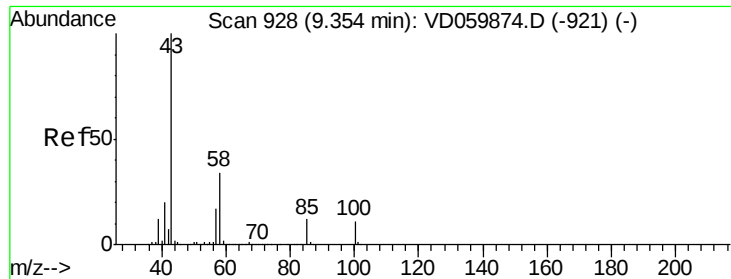
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#50
Toluene-d8
Concen: 1057.81 ug/l
RT: 9.46 min Scan# 939
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.7	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 294.46 ug/l

RT: 9.35 min Scan# 928

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3184338

Ion Ratio Lower Upper

43 100

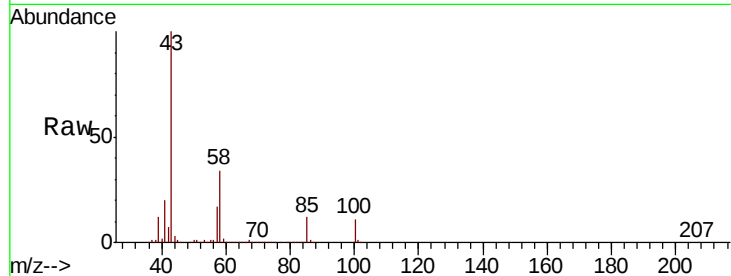
58 33.7 27.0 40.4

Manual Integrations

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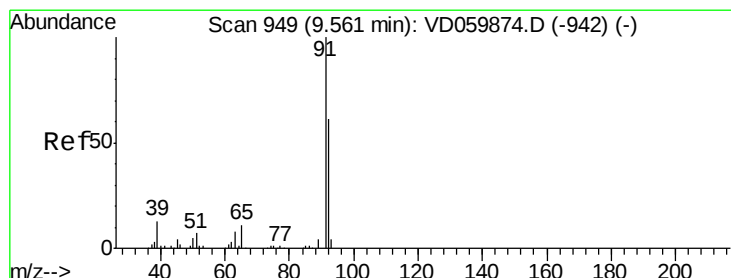
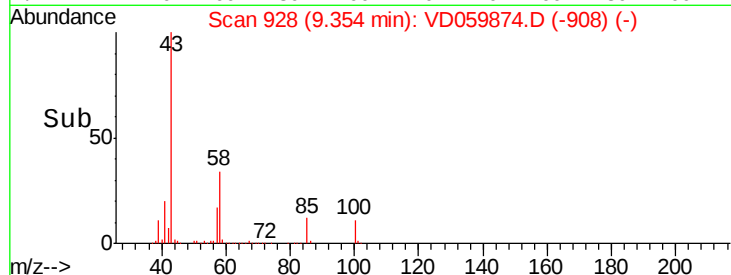
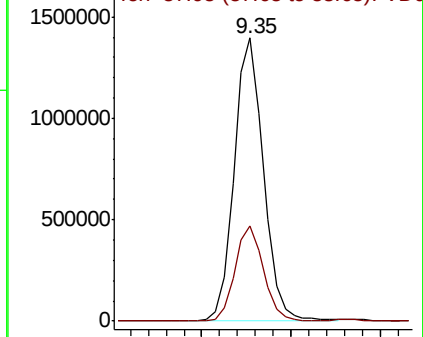
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.21 ug/l

RT: 9.56 min Scan# 949

Delta R.T. 0.00 min

Lab File: VD059874.D

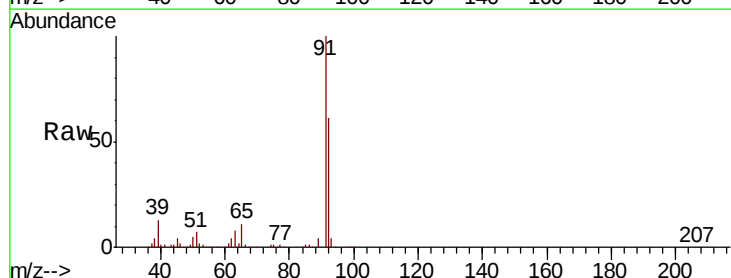
Acq: 22 Aug 2018 14:08

Tgt Ion: 92 Resp: 1274128

Ion Ratio Lower Upper

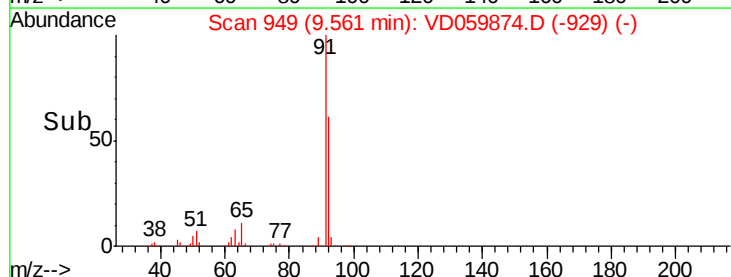
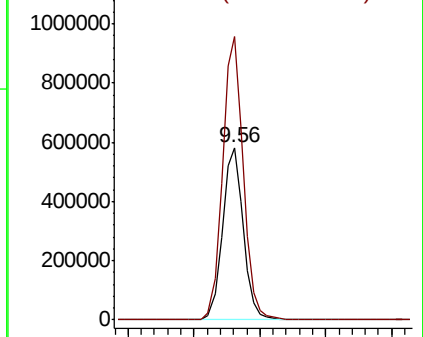
92 100

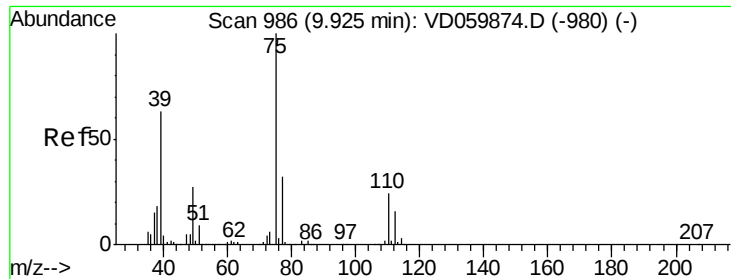
91 164.3 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 52.13 ug/l

RT: 9.93 min Scan# 986

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 767441

Ion Ratio Lower Upper

75 100

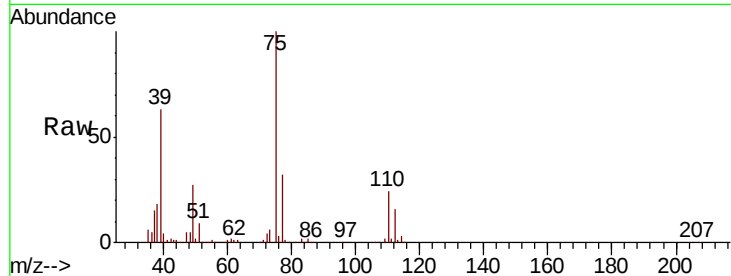
77 31.8 25.4 38.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.93

400000

300000

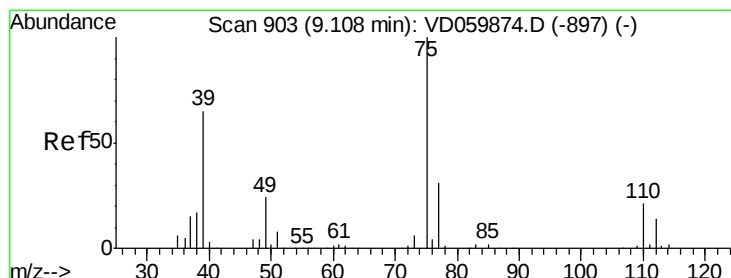
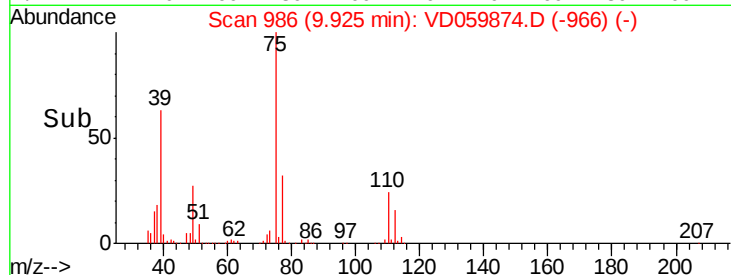
200000

100000

0

9.80 9.90 10.00 10.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.81 ug/l

RT: 9.11 min Scan# 903

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

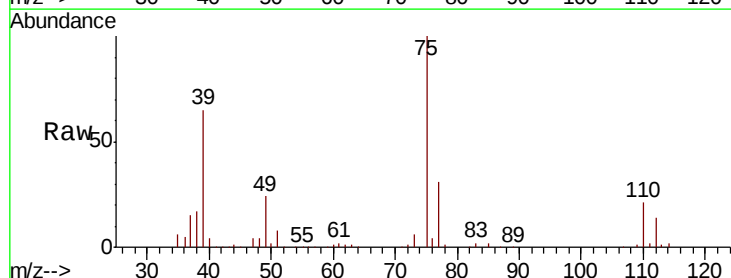
Tgt Ion: 75 Resp: 870635

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 65.1 52.1 78.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.11

500000

400000

300000

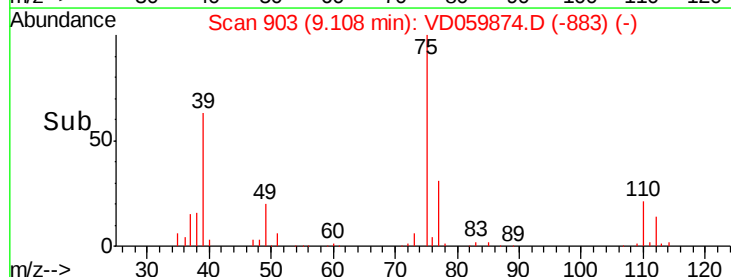
200000

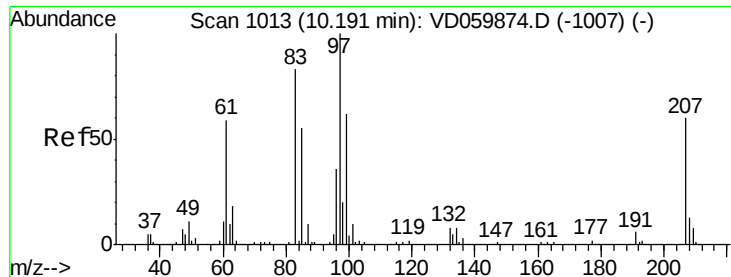
100000

0

9.00 9.10 9.20

Time-->





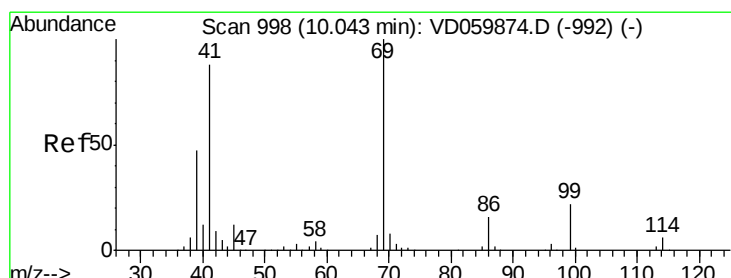
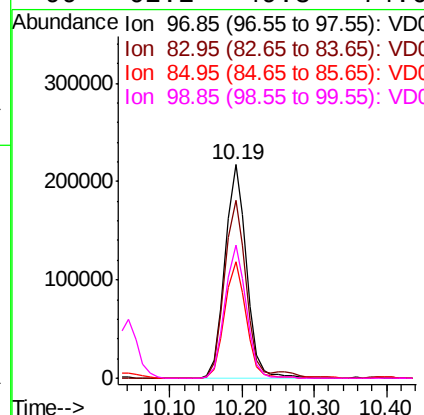
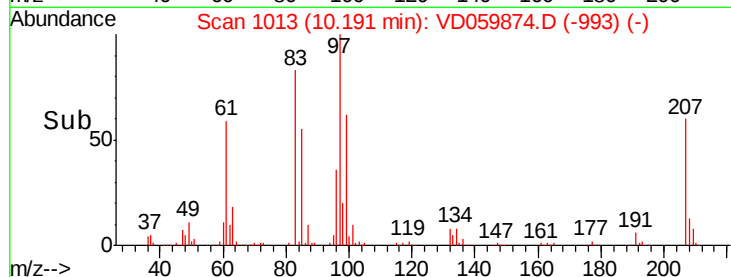
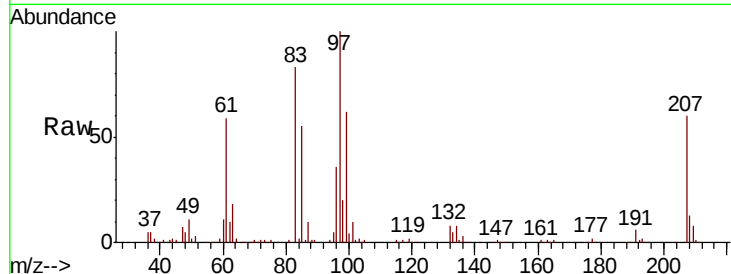
#55
 1,1,2-Trichloroethane
 Concen: 49.57 ug/l
 RT: 10.19 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		449273		
83	83.4	66.7	100.1		
85	54.7	43.8	65.6		
99	62.2	49.8	74.6		

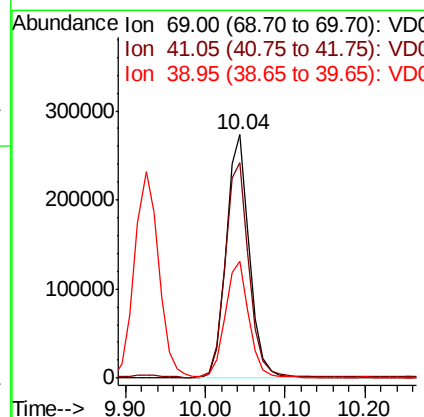
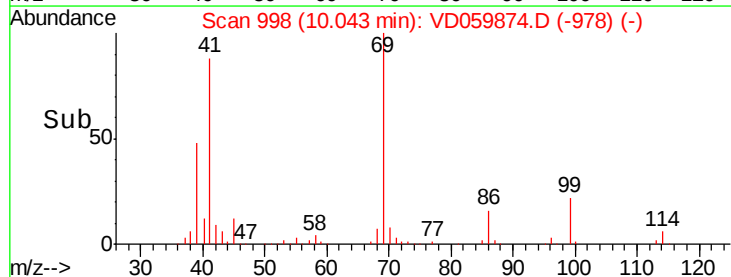
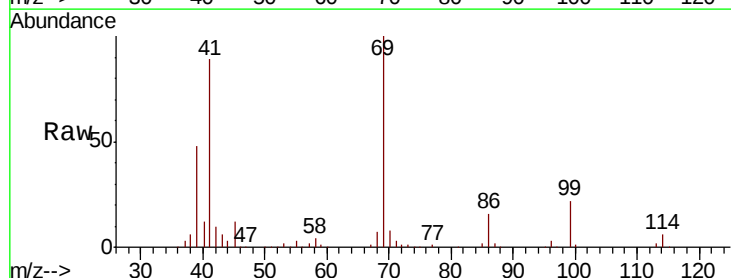
Manual Integrations
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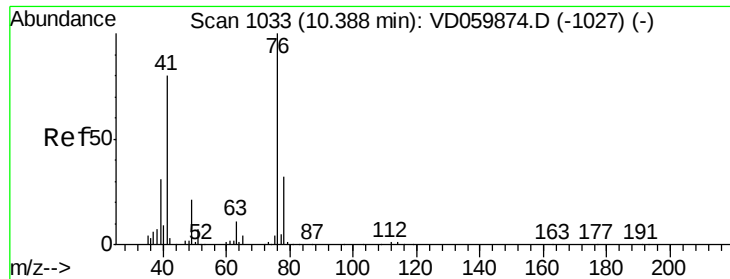
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#56
 Ethyl methacrylate
 Concen: 52.05 ug/l
 RT: 10.04 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		561199		
41	88.7	71.0	106.4		
39	48.1	38.5	57.7		





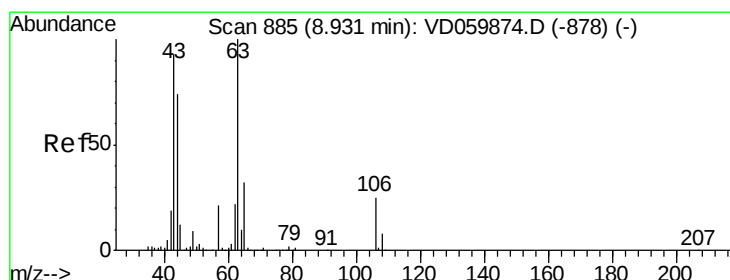
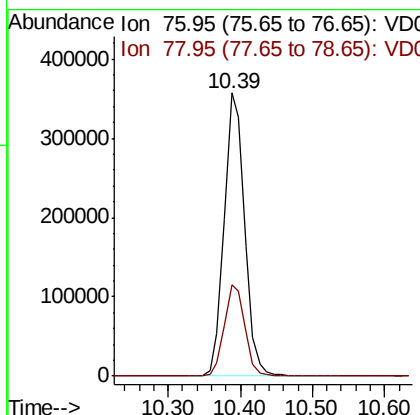
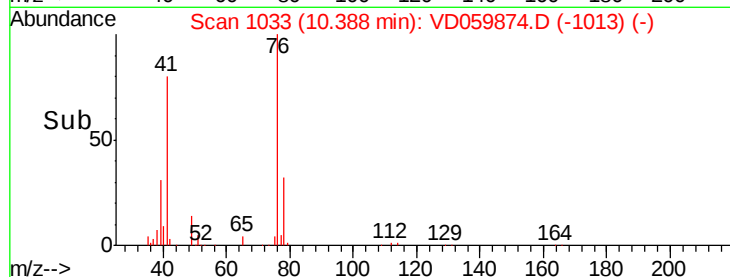
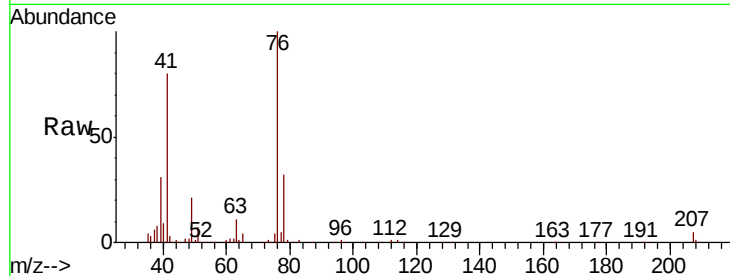
#57
 1,3-Dichloropropane
 Concen: 52.75 ug/l
 RT: 10.39 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 700129
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

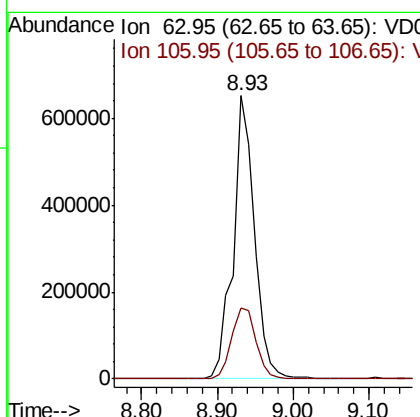
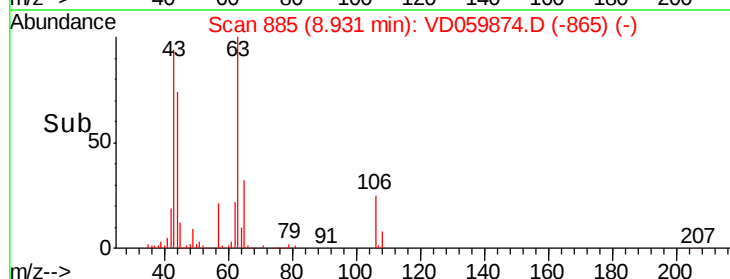
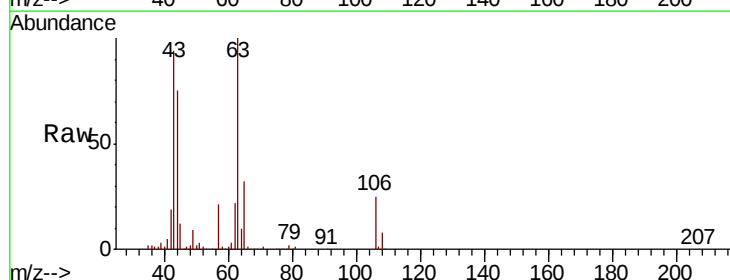
Manual Integrations
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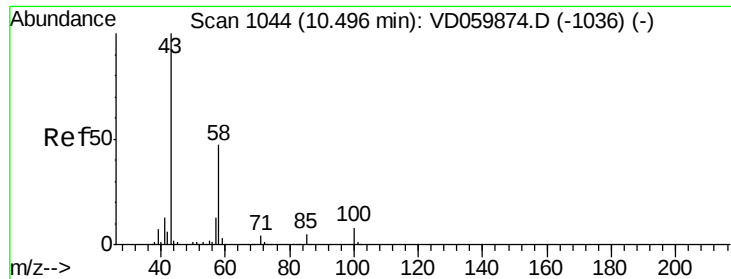
apatel
 8/23/2018 10:52:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.04 ug/l
 RT: 8.93 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Tgt Ion: 63 Resp: 1259131
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.1 30.1





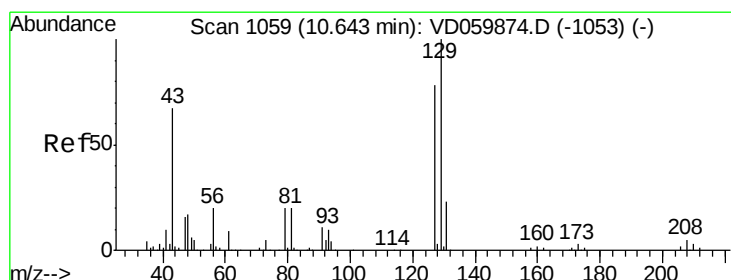
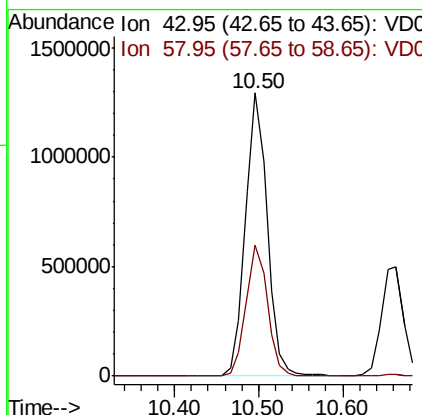
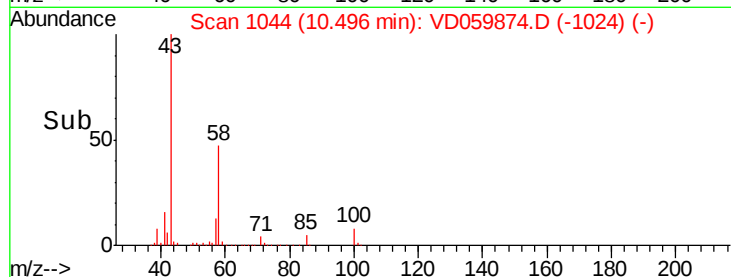
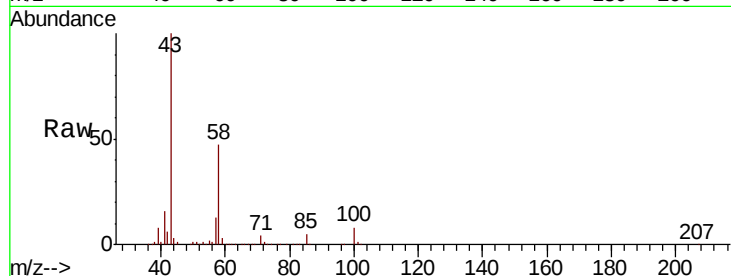
#59
2-Hexanone
Concen: 299.00 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 2344787
Ion Ratio Lower Upper
43 100
58 46.5 23.3 69.8

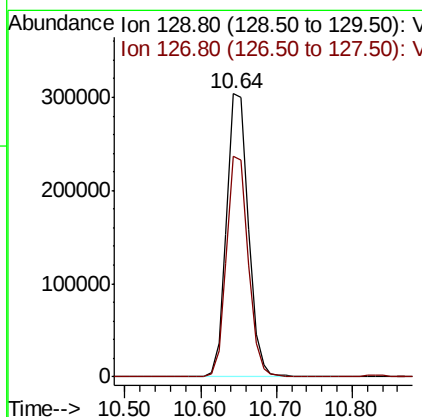
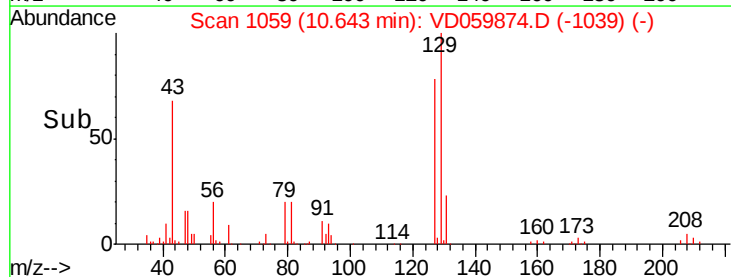
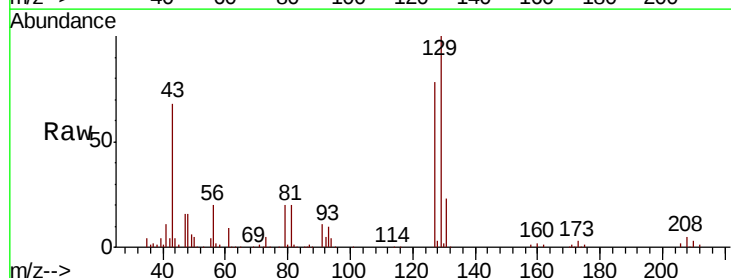
Manual Integrations
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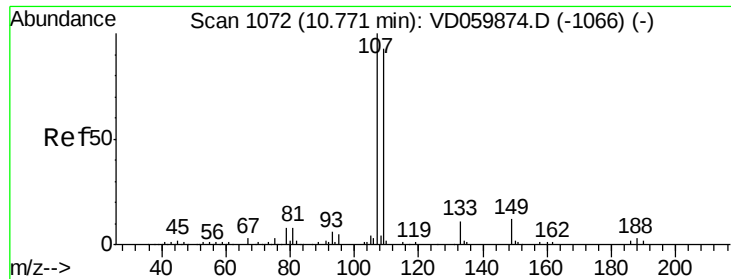
apatel
8/23/2018 10:52:43 AM



#60
Dibromochloromethane
Concen: 52.37 ug/l
RT: 10.64 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion:129 Resp: 604478
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.09 ug/l

RT: 10.77 min Scan# 1072

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 486894

Ion Ratio Lower Upper

107 100

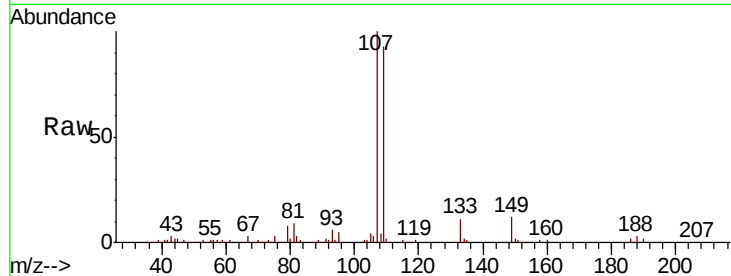
109 93.3 74.6 112.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.77

250000

200000

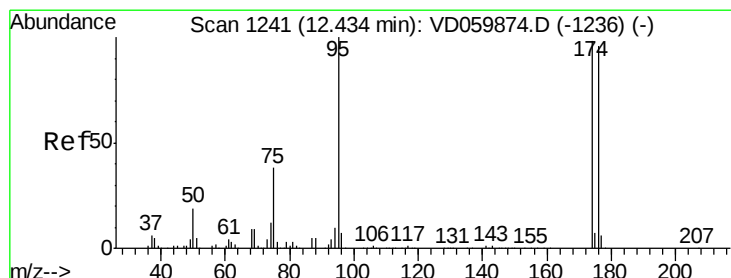
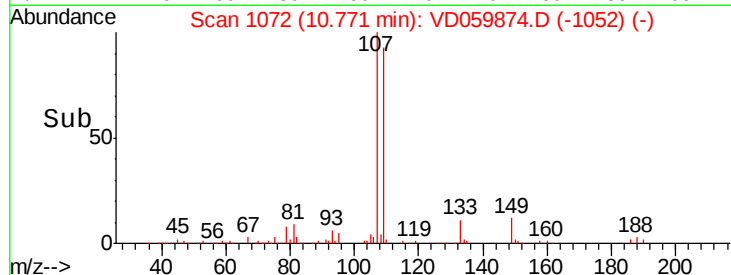
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.09 ug/l

RT: 12.43 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

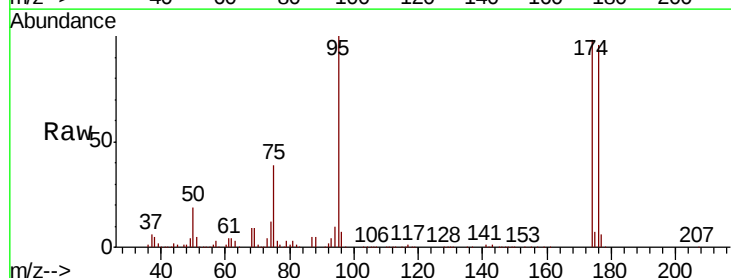
Tgt Ion: 95 Resp: 753433

Ion Ratio Lower Upper

95 100

174 97.8 0.0 195.6

176 95.6 0.0 191.2



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

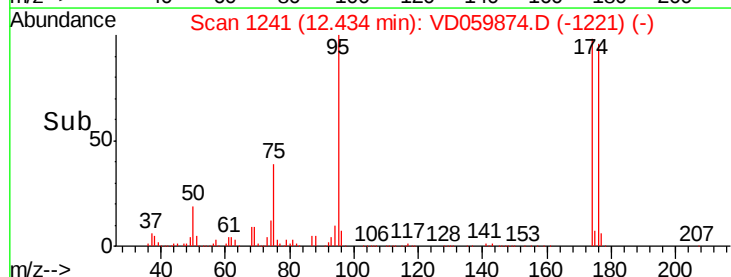
600000

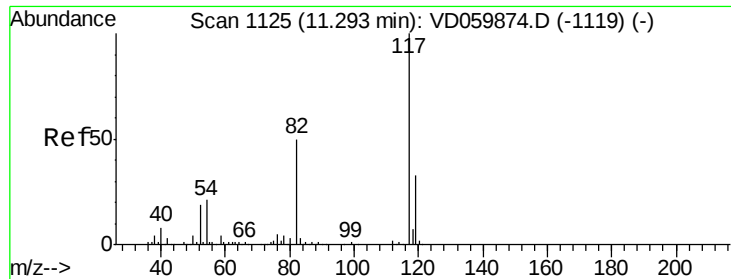
400000

200000

0

Time-->





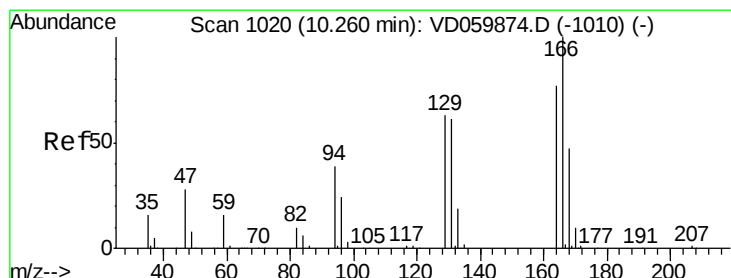
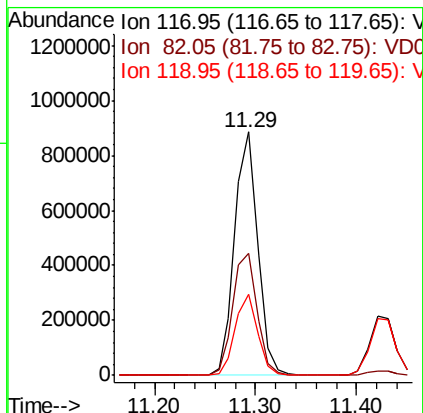
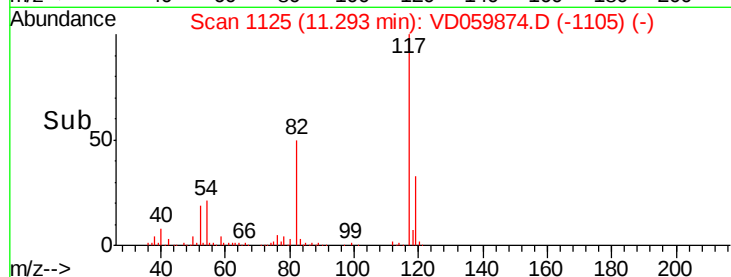
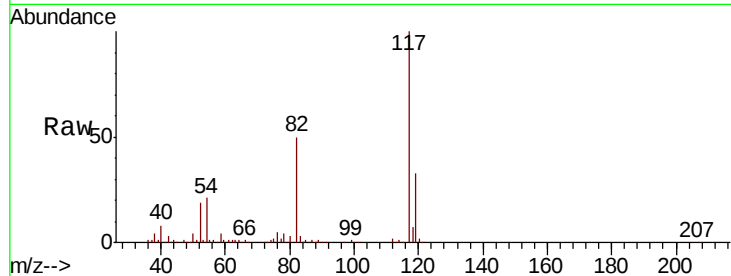
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	40.1	60.1
119	33.4	26.7	40.1

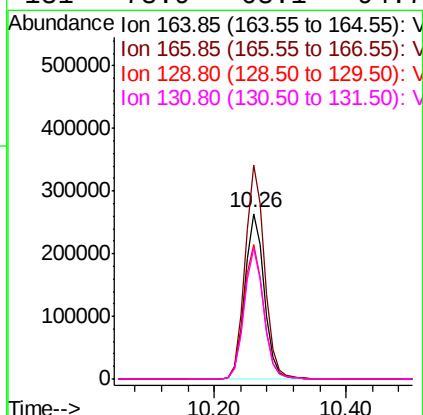
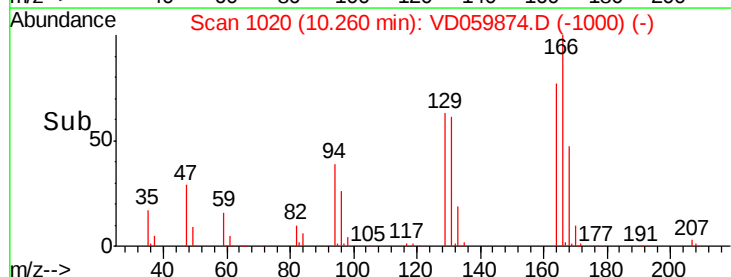
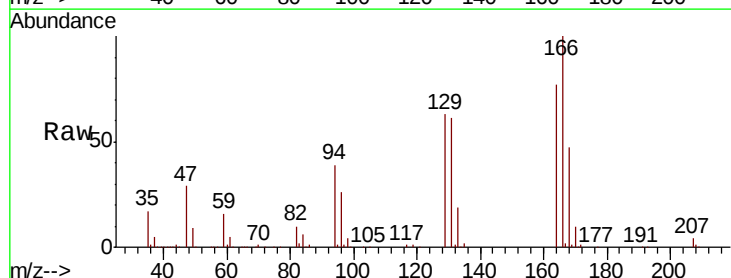
Manual Integrations
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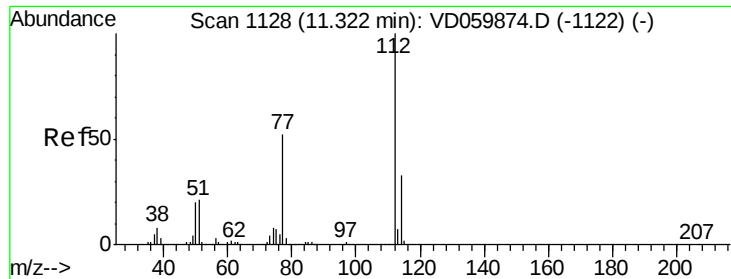
apatel
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#64
Tetrachloroethene
Concen: 50.79 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.4	155.2
129	81.5	65.2	97.8
131	78.9	63.1	94.7





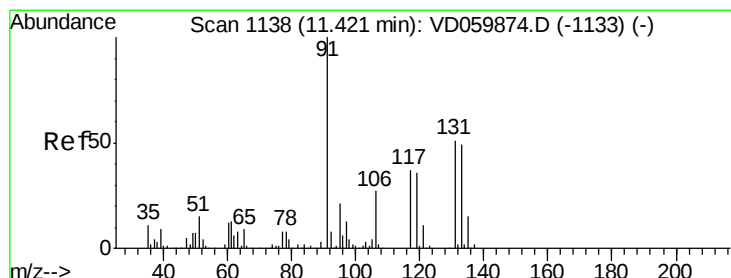
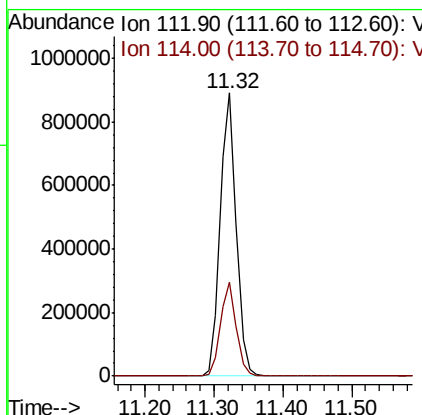
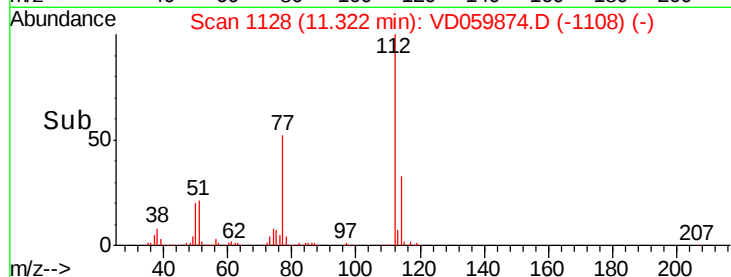
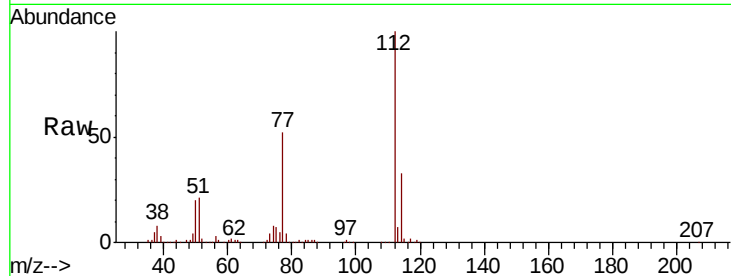
#65
Chlorobenzene
Concen: 51.85 ug/l
RT: 11.32 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1440651
Ion Ratio Lower Upper
112 100
114 33.0 26.4 39.6

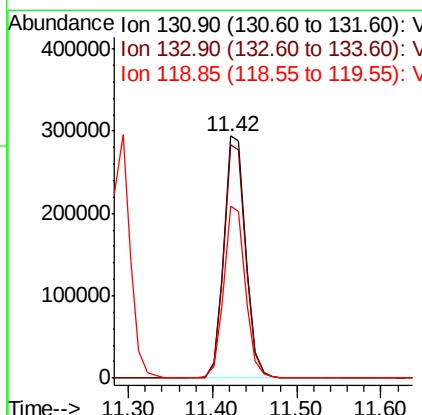
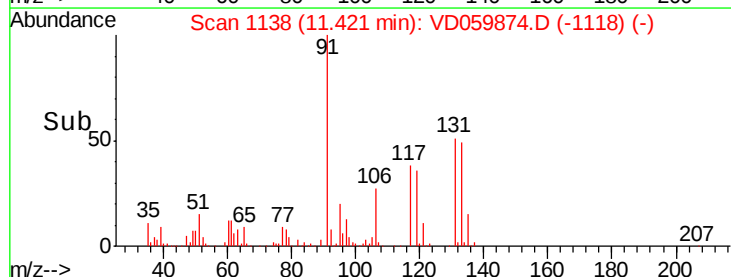
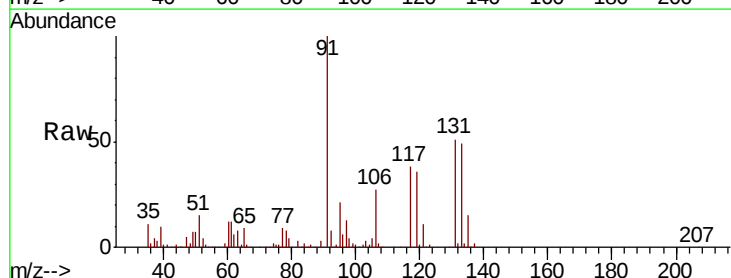
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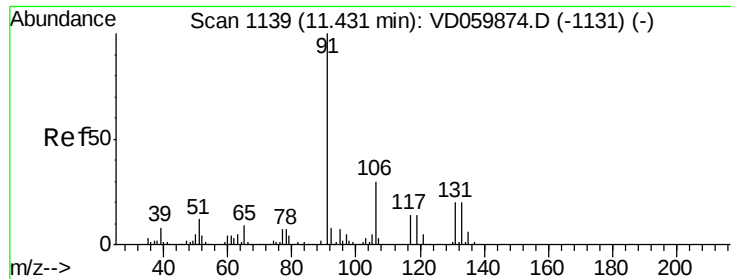
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.58 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion:131 Resp: 528764
Ion Ratio Lower Upper
131 100
133 96.5 48.3 144.8
119 70.9 35.4 106.3





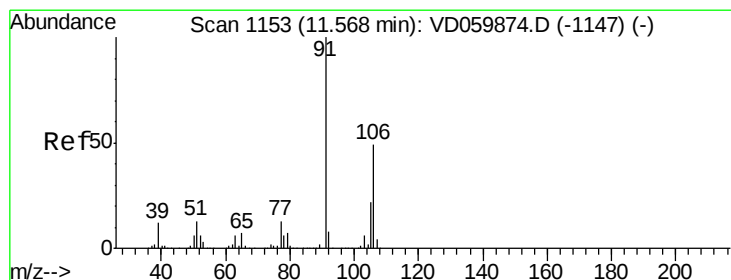
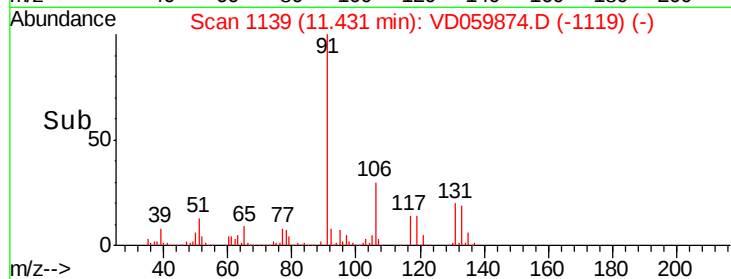
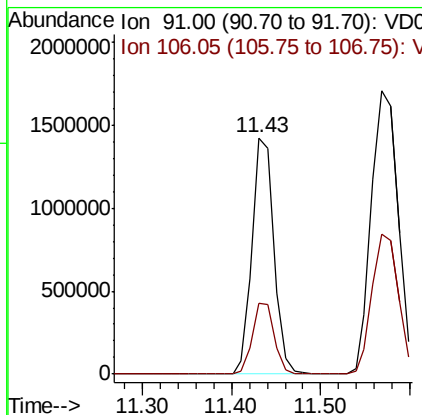
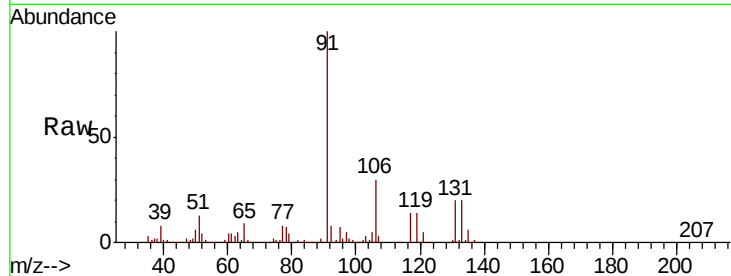
#67
Ethyl Benzene
Concen: 52.90 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 2402081
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8

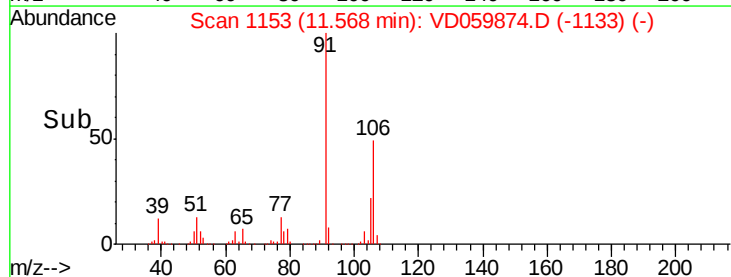
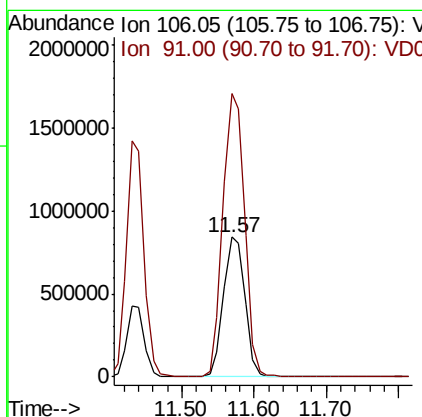
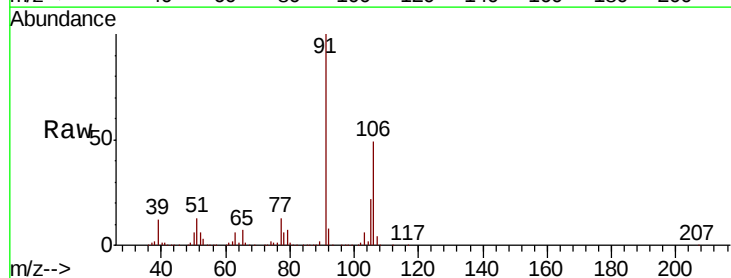
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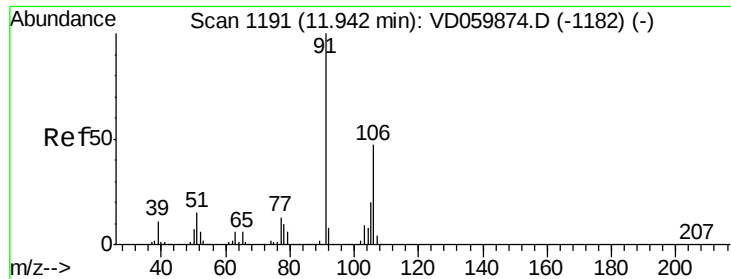
apatel
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#68
m/p-Xylenes
Concen: 105.23 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion: 106 Resp: 1724609
Ion Ratio Lower Upper
106 100
91 202.5 162.0 243.0





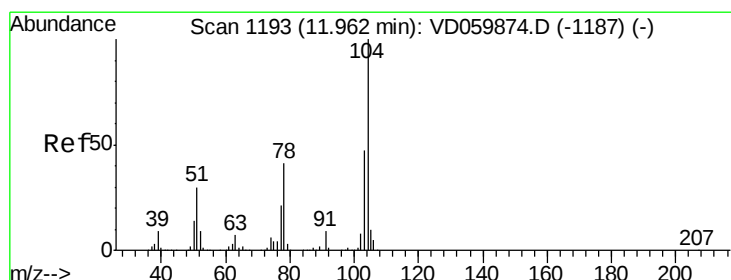
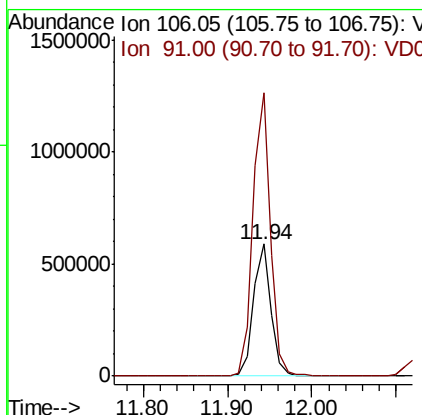
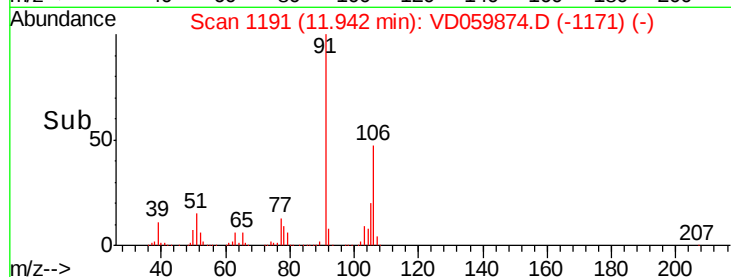
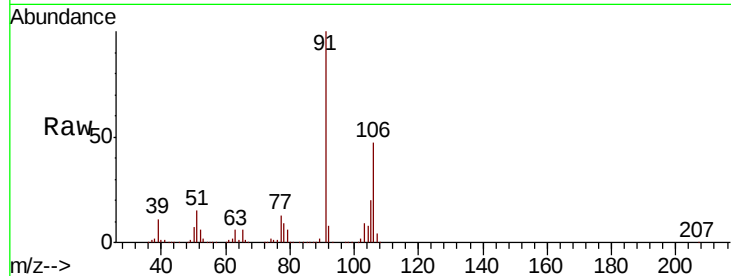
#69
o-Xylene
Concen: 52.97 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleID :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.7	107.3	322.0

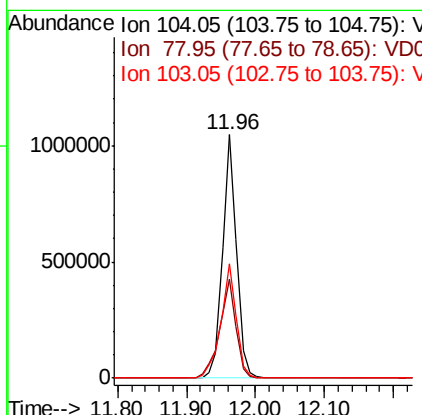
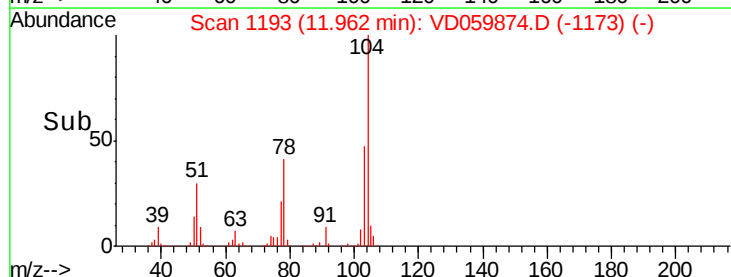
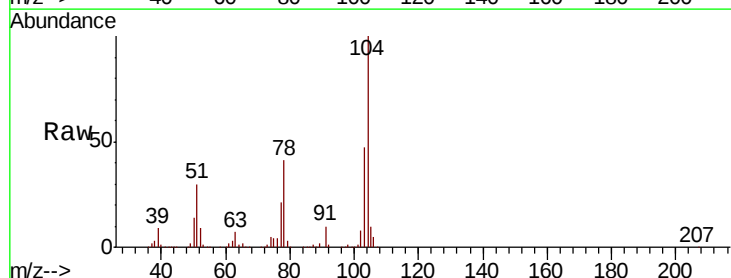
Manual Integrations
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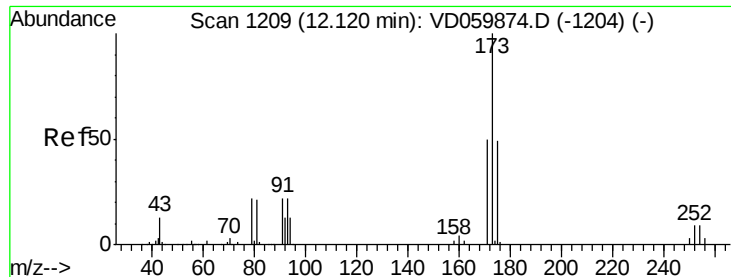
apatel
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#70
Styrene
Concen: 52.77 ug/l
RT: 11.96 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.8	32.6	49.0
103	47.1	37.7	56.5





#71

Bromoform

Concen: 52.25 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 466379

Ion Ratio Lower Upper

173 100

175 48.7 24.3 73.0

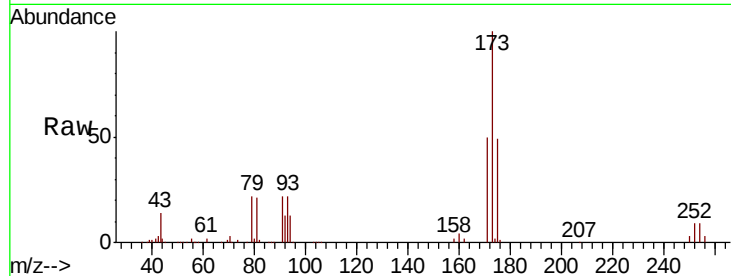
254 8.8 7.0 10.6

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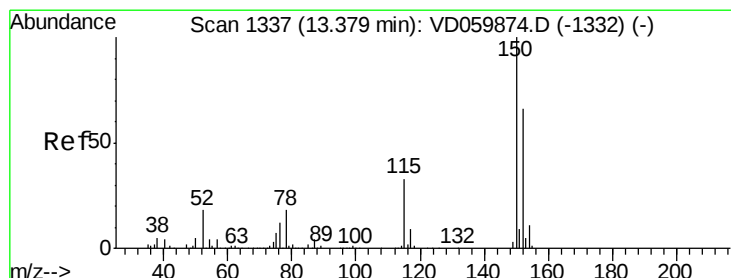
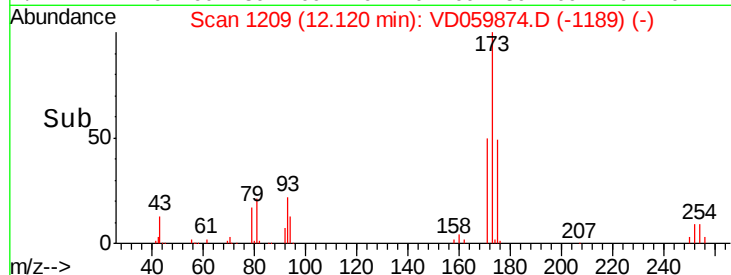
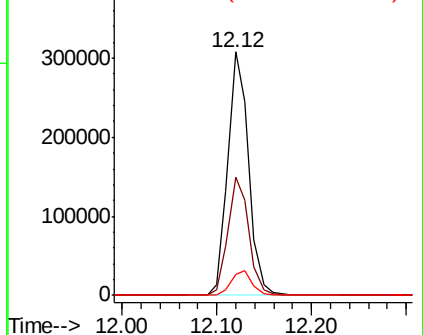
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Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.38 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

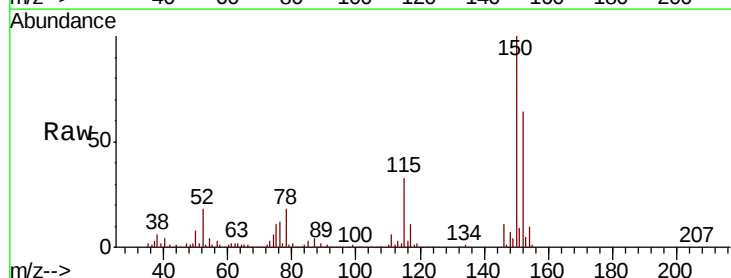
Tgt Ion:152 Resp: 725968

Ion Ratio Lower Upper

152 100

115 51.3 25.7 77.0

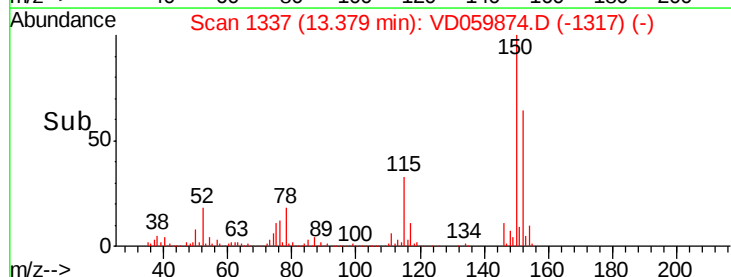
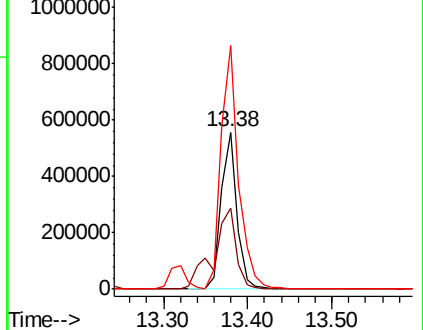
150 155.1 0.0 310.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.48 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 2310675

Ion Ratio Lower Upper

105 100

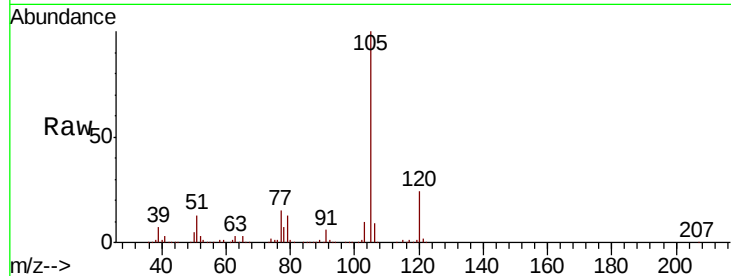
120 23.6 11.8 35.4

Manual Integrations

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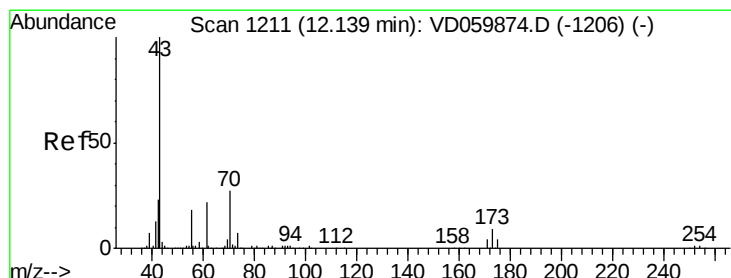
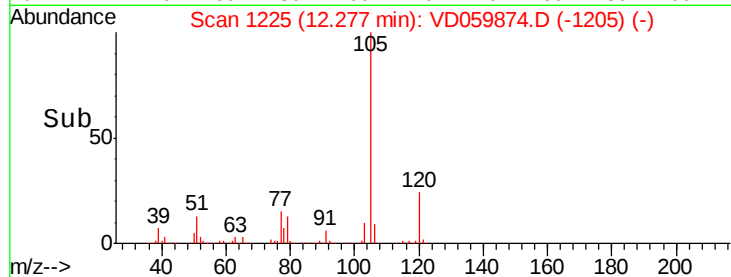
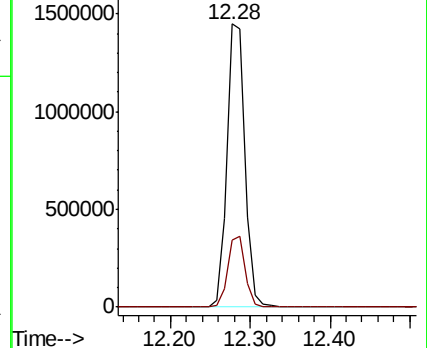
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 50.81 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Tgt Ion: 43 Resp: 1039235

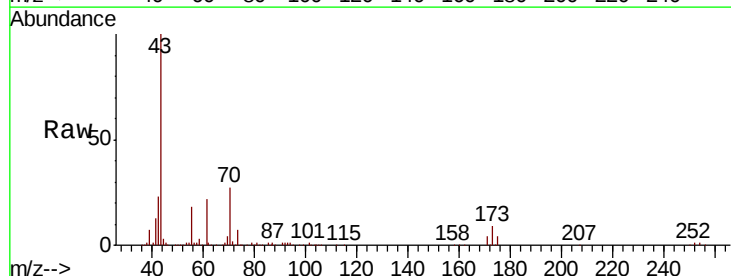
Ion Ratio Lower Upper

43 100

70 26.8 21.4 32.2

55 17.6 14.1 21.1

61 22.3 17.8 26.8

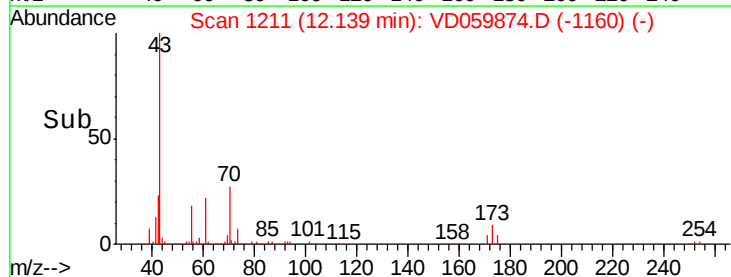
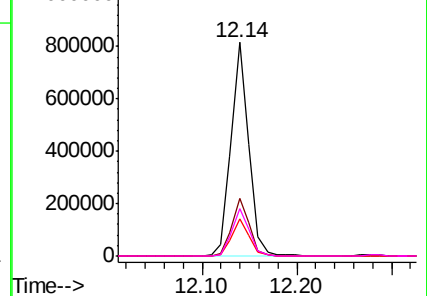


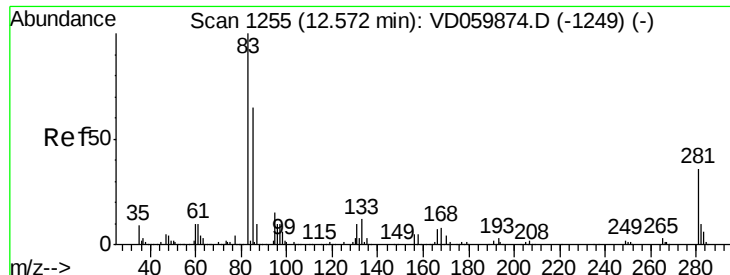
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.91 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 535722

Ion Ratio Lower Upper

83 100

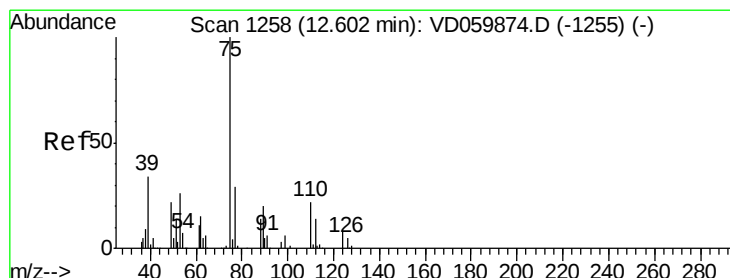
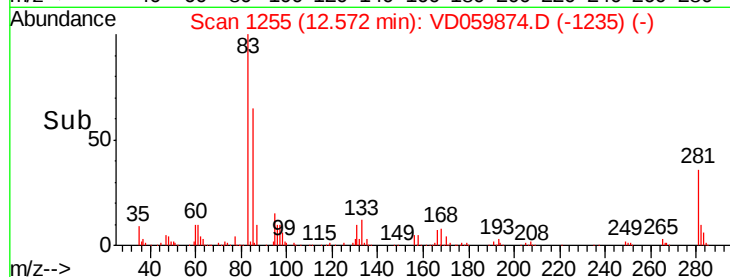
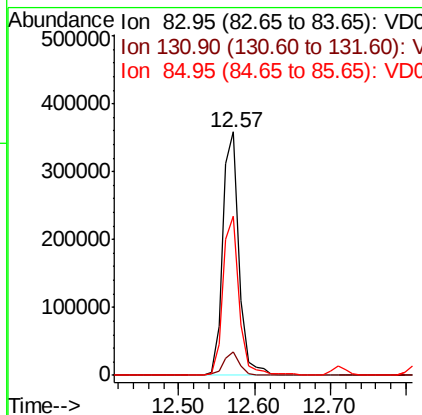
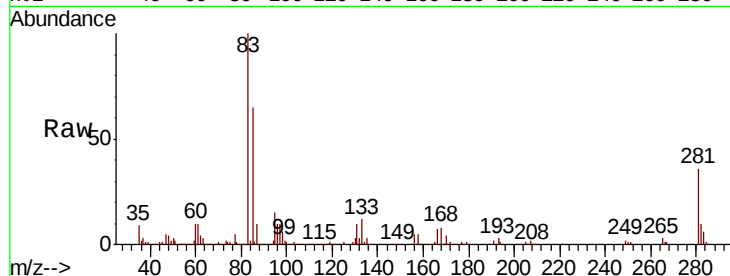
131 9.6 4.8 14.4

85 65.2 32.6 97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.71 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VD059874.D

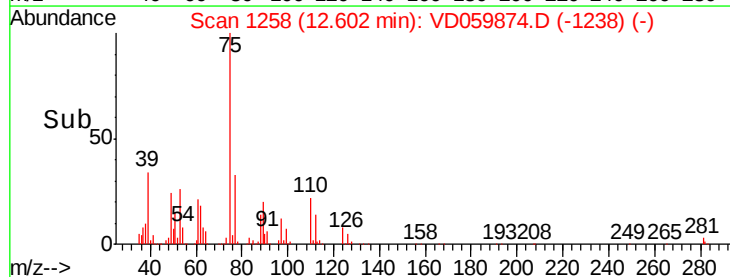
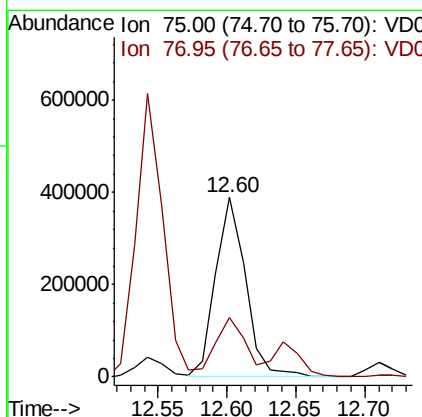
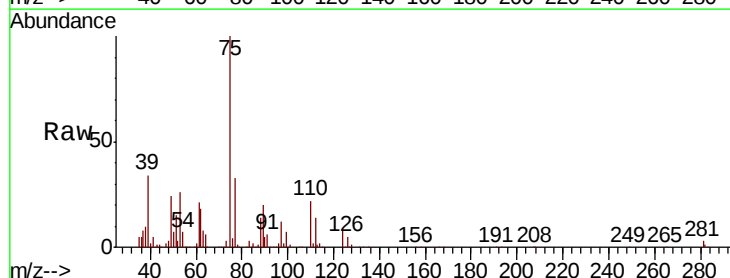
Acq: 22 Aug 2018 14:08

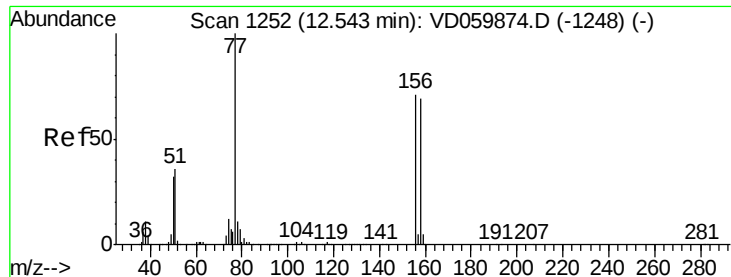
Tgt Ion: 75 Resp: 585834

Ion Ratio Lower Upper

75 100

77 32.8 16.4 49.2





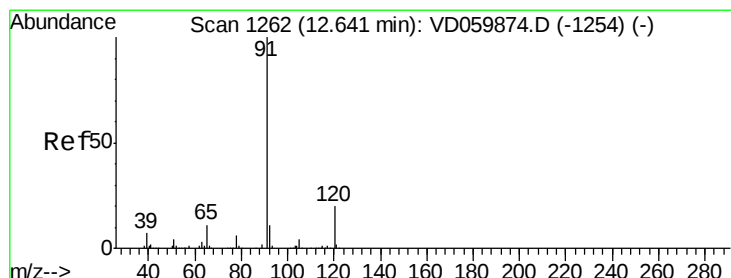
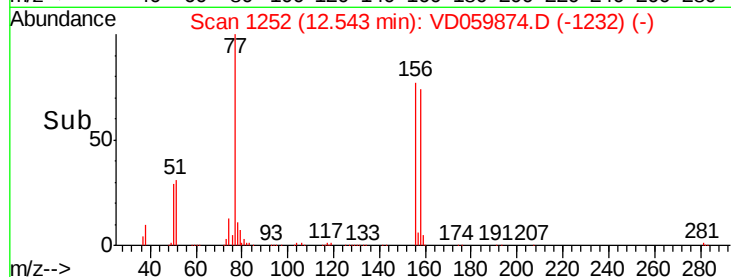
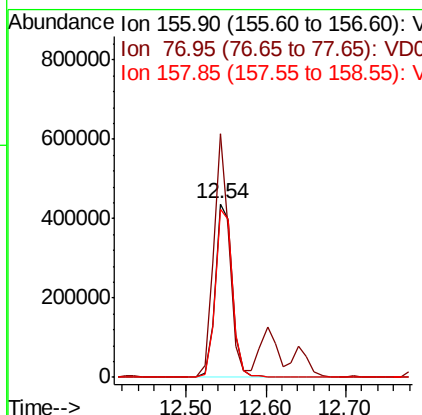
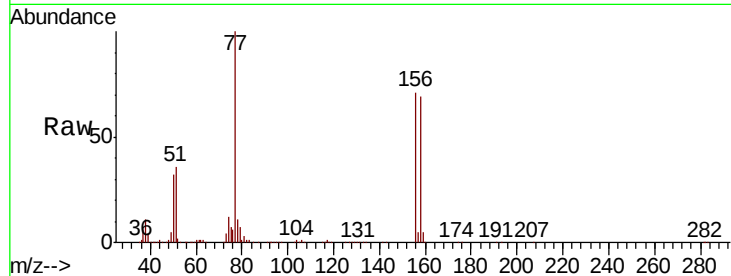
#77
Bromobenzene
Concen: 51.68 ug/l
RT: 12.54 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	140.3	70.2	210.4
158	96.8	48.4	145.2

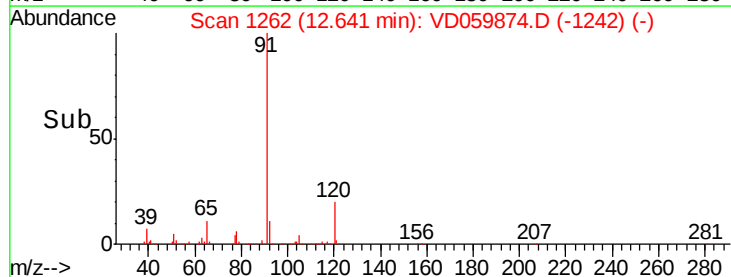
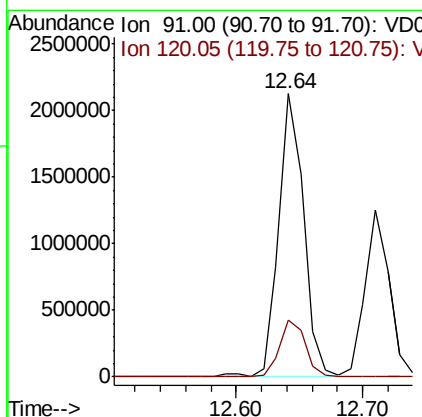
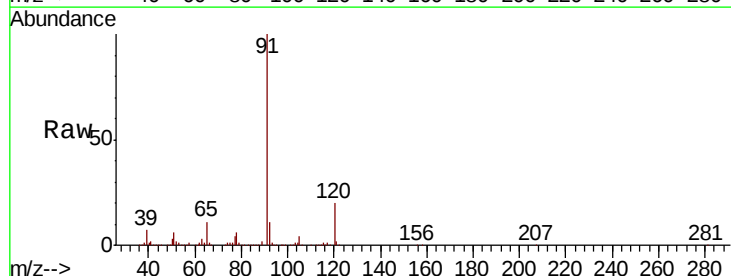
Manual Integrations
APPROVED

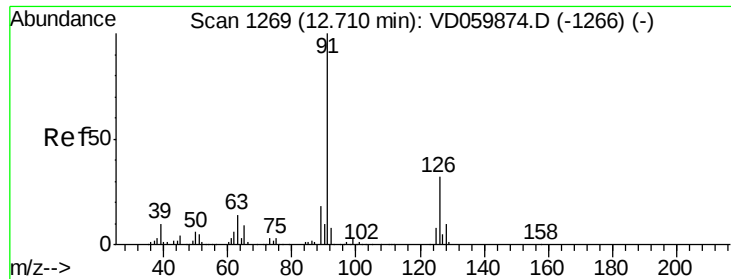
apatel
8/23/2018 10:52:43 AM



#78
n-propylbenzene
Concen: 51.81 ug/l
RT: 12.64 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.2	10.1	30.3





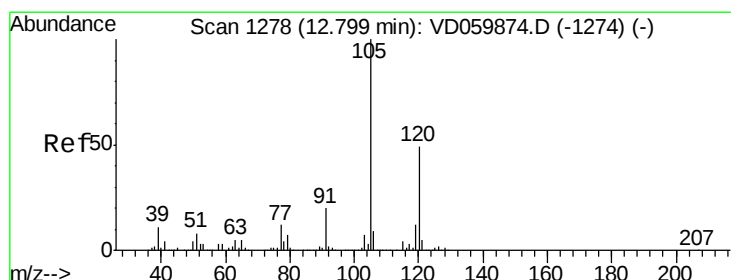
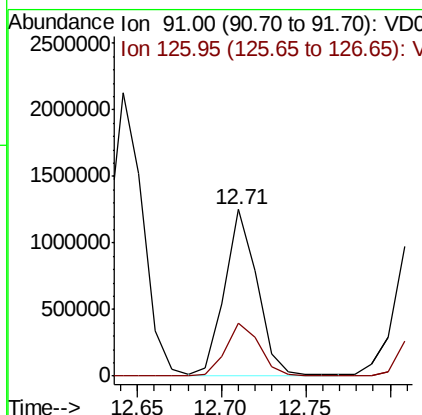
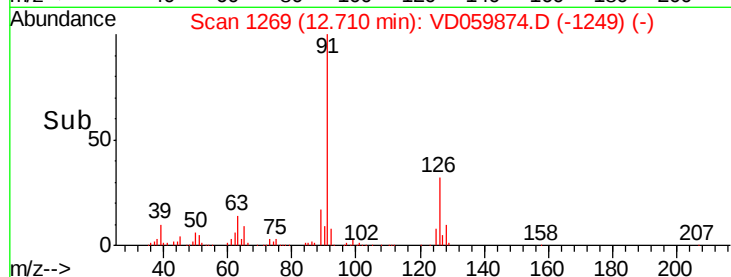
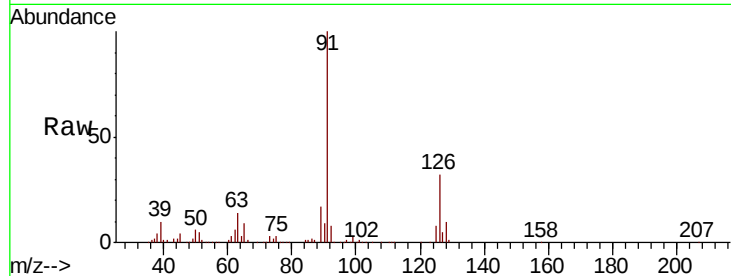
#79
2-Chlorotoluene
Concen: 51.69 ug/l
RT: 12.71 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1675491
Ion Ratio Lower Upper
91 100
126 32.1 16.1 48.2

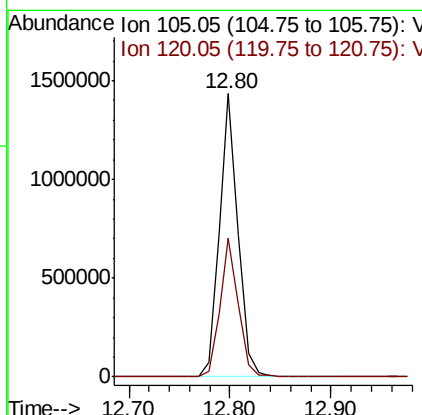
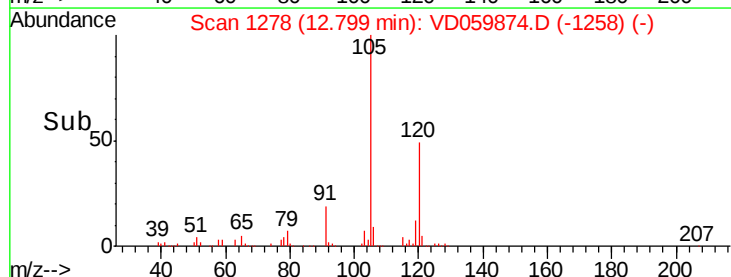
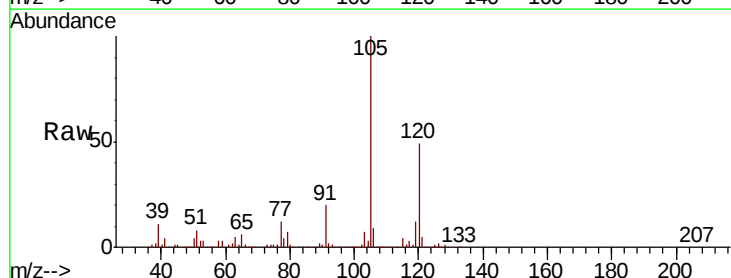
Manual Integrations
APPROVED

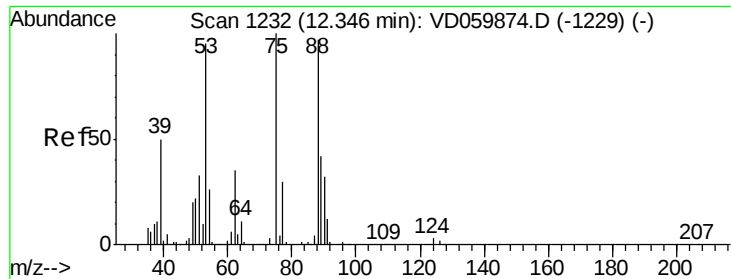
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 51.68 ug/l
RT: 12.80 min Scan# 1278
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion: 105 Resp: 1838936
Ion Ratio Lower Upper
105 100
120 49.0 24.5 73.5





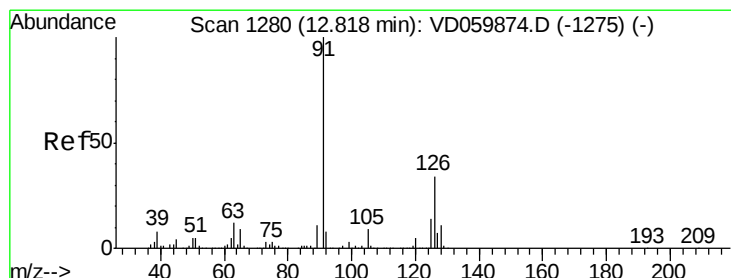
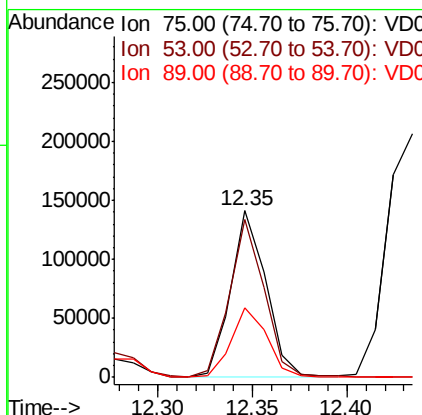
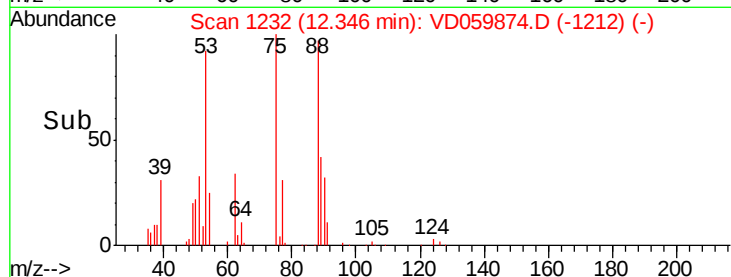
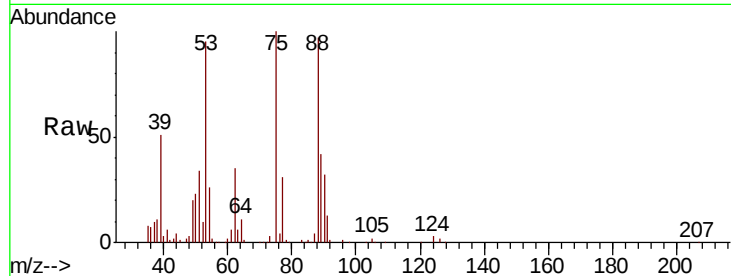
#81
trans-1,4-Dichloro-2-butene
Concen: 52.35 ug/l
RT: 12.35 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.7	75.8	113.6
89	42.0	33.6	50.4

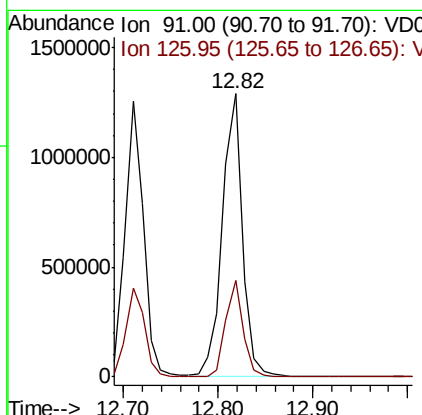
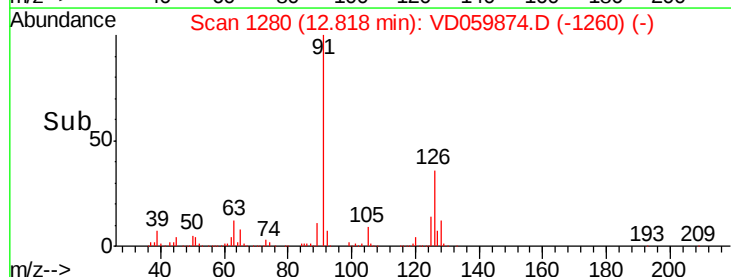
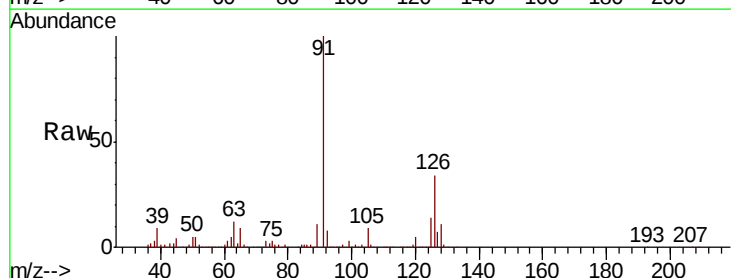
Manual Integrations
APPROVED

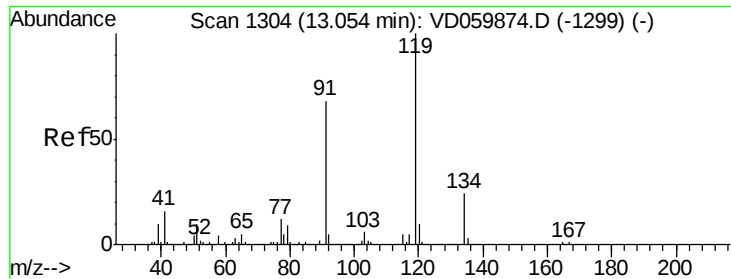
apatel
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#82
4-Chlorotoluene
Concen: 52.14 ug/l
RT: 12.82 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.1	51.2





#83

tert-Butylbenzene

Concen: 51.82 ug/l

RT: 13.05 min Scan# 1304

Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D

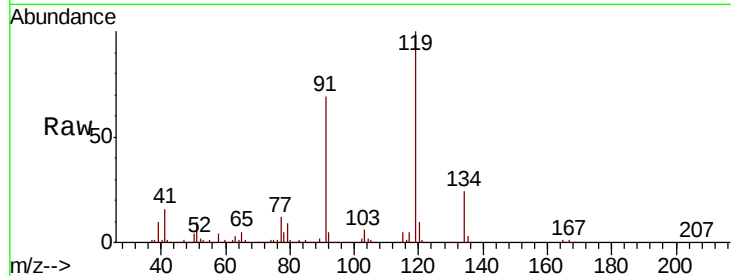
ClientSampleId :
VSTDICCC050

Tot Ion:119 Resp: 2143233

Ion	Ratio	Lower	Upper
119	100		
91	68.6	34.3	102.9
134	23.9	11.9	35.9

Manual Integrations
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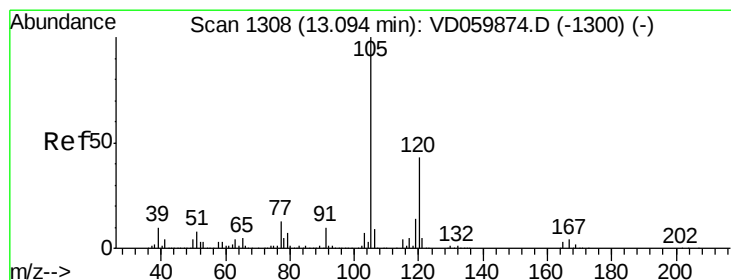
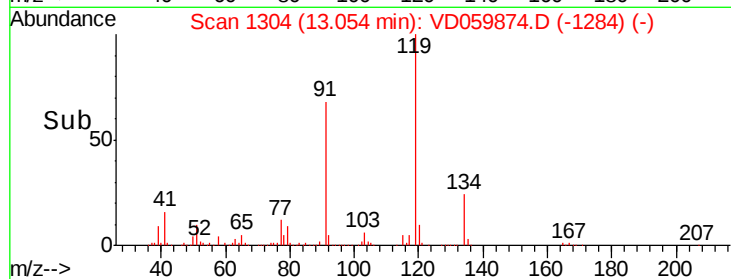
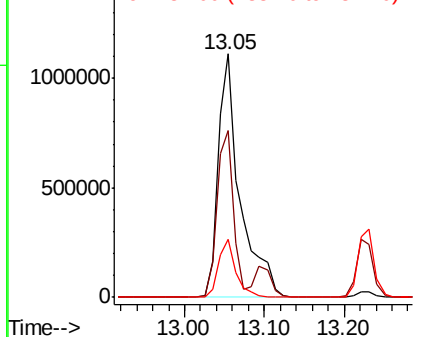
apatel
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.43 ug/l

RT: 13.09 min Scan# 1308

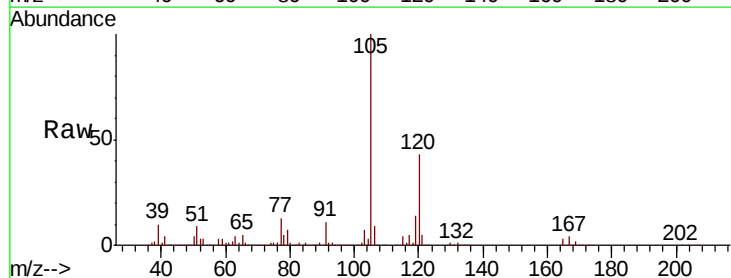
Delta R.T. 0.00 min

Lab File: VD059874.D

Acq: 22 Aug 2018 14:08

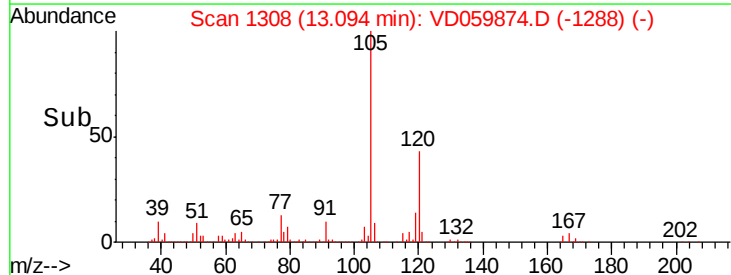
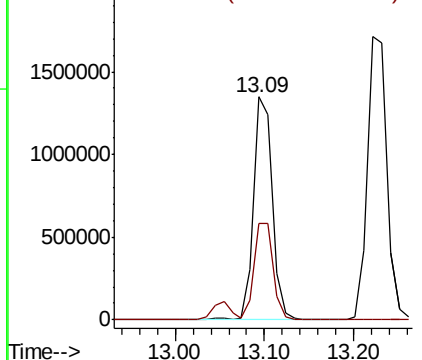
Tgt Ion:105 Resp: 1927947

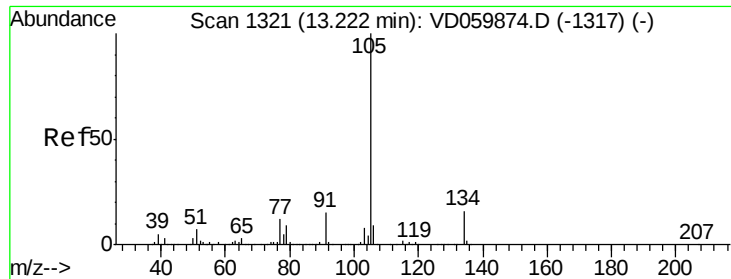
Ion	Ratio	Lower	Upper
105	100		
120	43.5	21.8	65.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





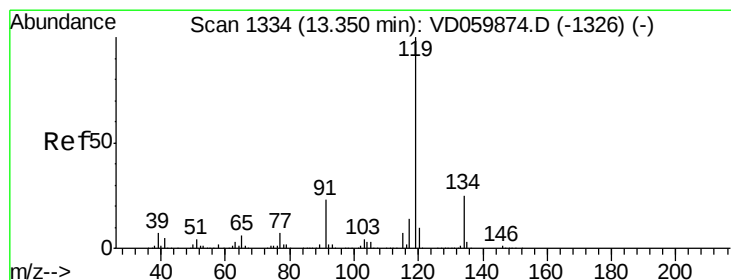
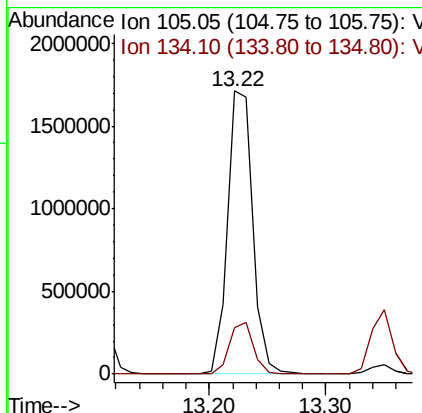
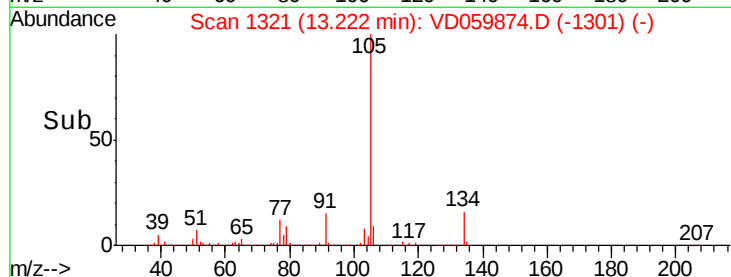
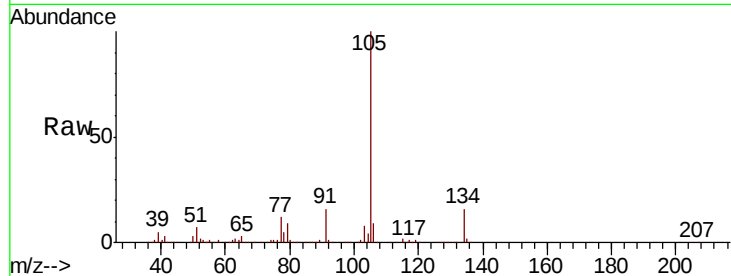
#85
 sec-Butylbenzene
 Concen: 52.49 ug/l
 RT: 13.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 2543261
 Ion Ratio Lower Upper
 105 100
 134 16.3 8.2 24.4

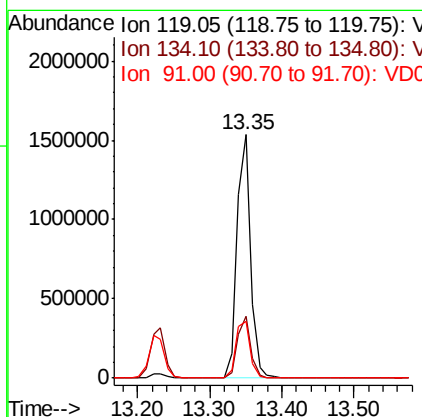
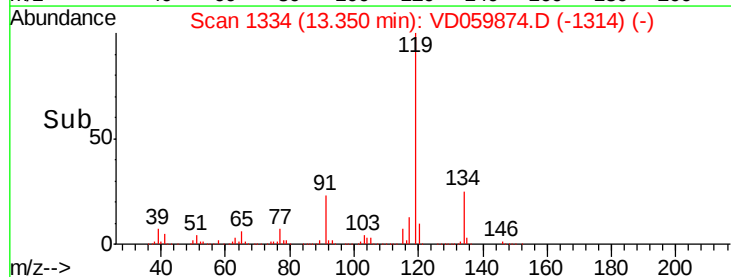
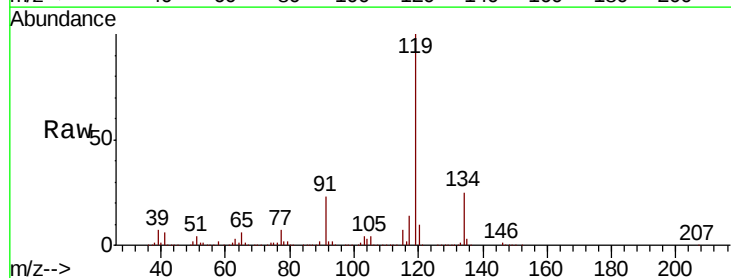
Manual Integrations
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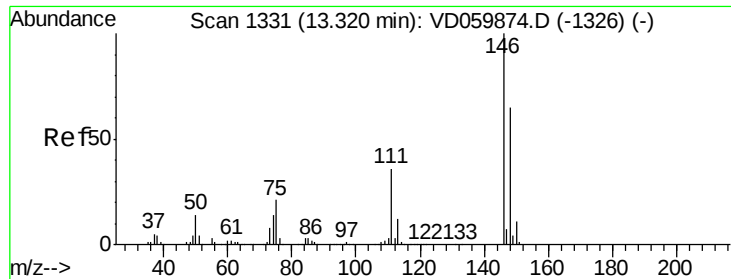
apatel
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#86
 p-Isopropyltoluene
 Concen: 51.70 ug/l
 RT: 13.35 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Tgt Ion:119 Resp: 2026558
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.1
 91 23.3 11.7 35.0





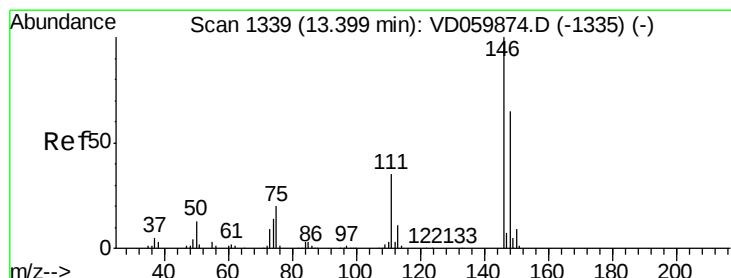
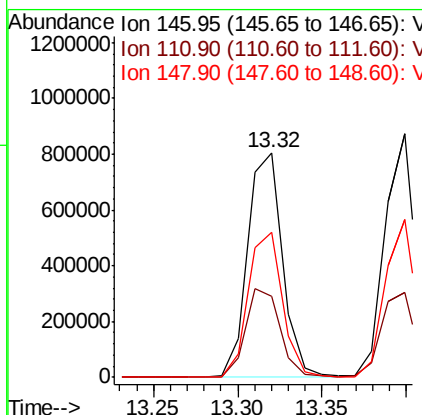
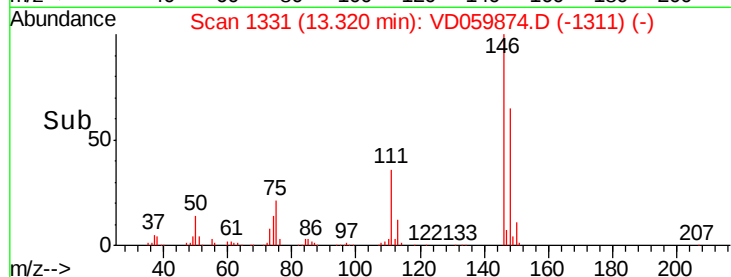
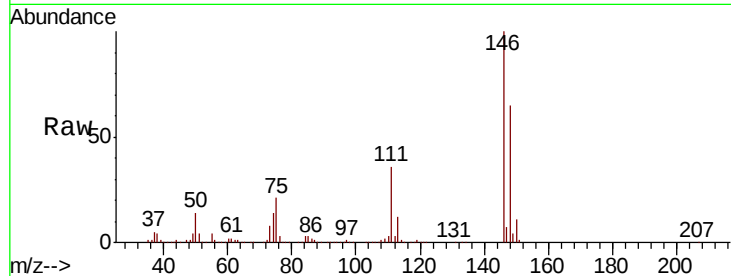
#87
 1,3-Dichlorobenzene
 Concen: 51.32 ug/l
 RT: 13.32 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	17.9	53.7
148	64.7	32.4	97.0

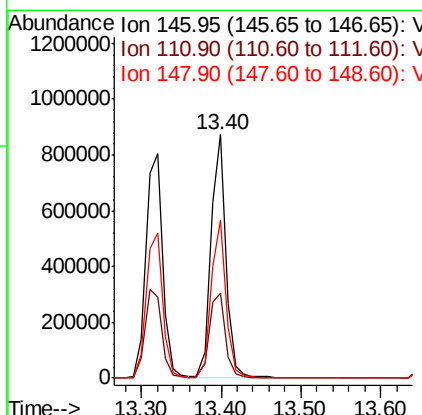
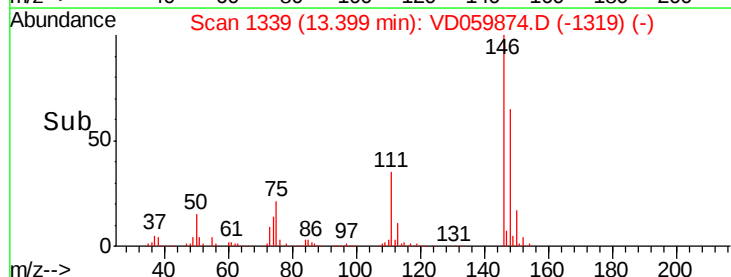
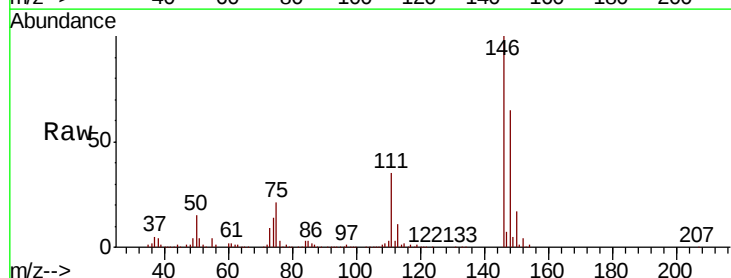
Manual Integrations
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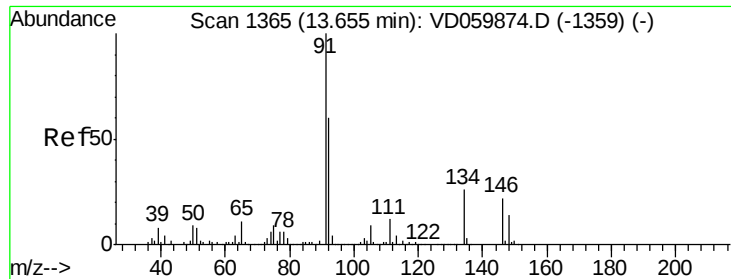
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#88
 1,4-Dichlorobenzene
 Concen: 51.08 ug/l
 RT: 13.40 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.1	17.5	52.6
148	65.0	32.5	97.5





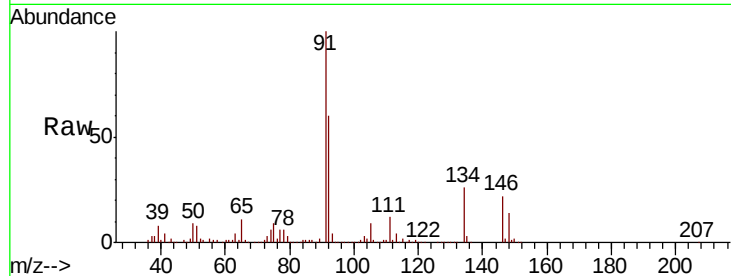
#89
n-Butylbenzene
Concen: 50.89 ug/l
RT: 13.65 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

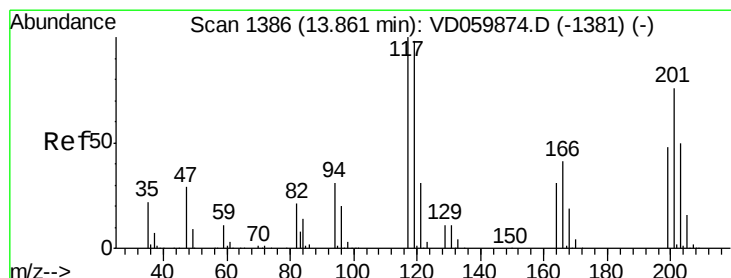
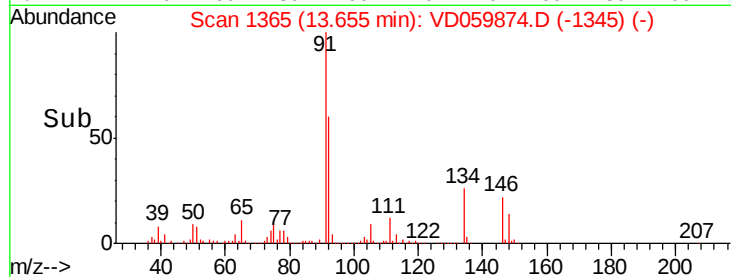
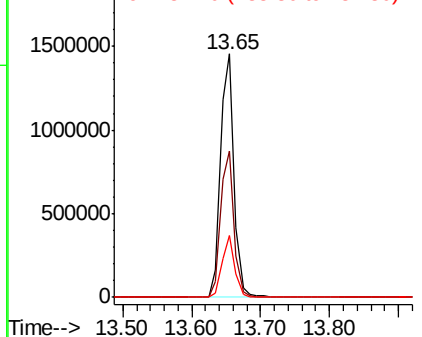
Tot Ion	Ratio	Lower	Upper
91	100		
92	60.1	30.0	90.1
134	25.6	12.8	38.4

Manual Integrations
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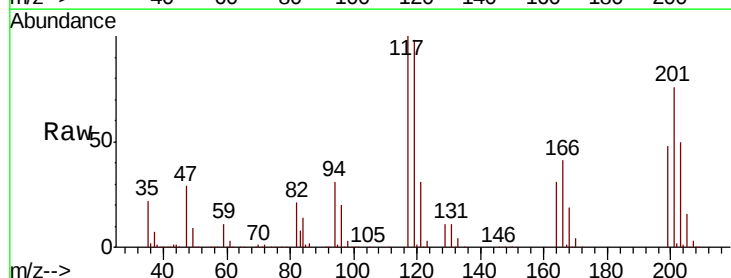


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

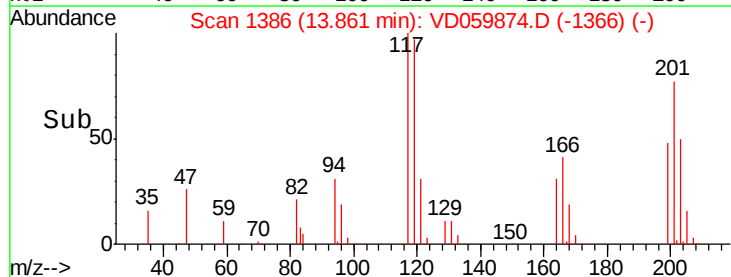
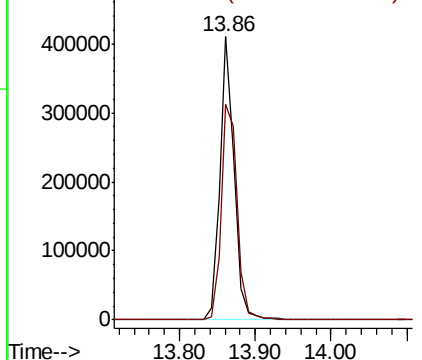


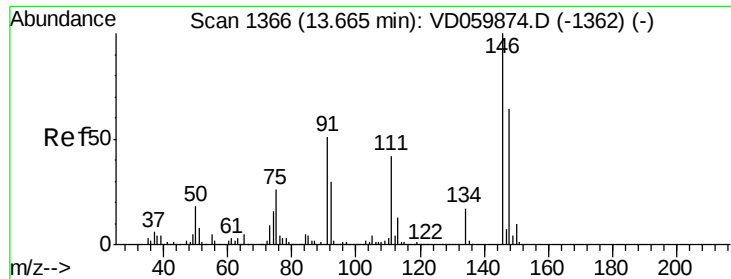
#90
Hexachloroethane
Concen: 51.25 ug/l
RT: 13.86 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	38.1	114.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





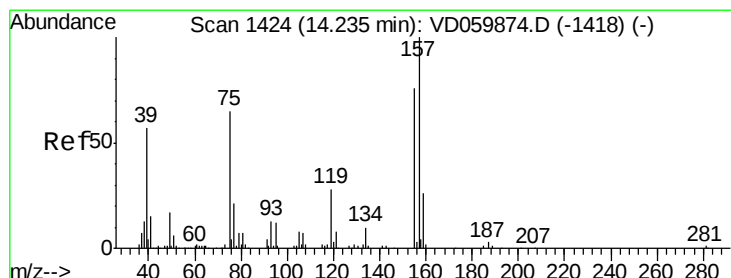
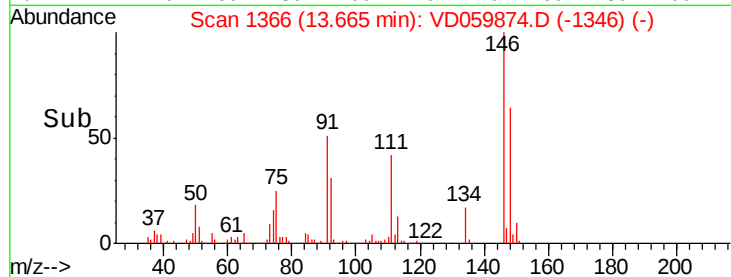
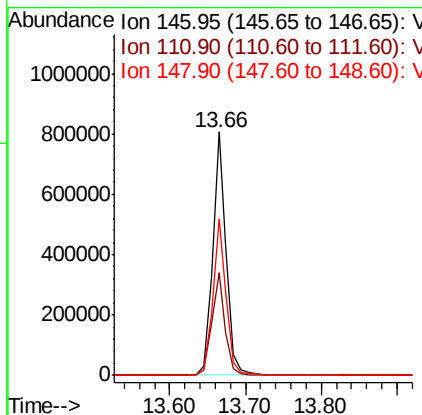
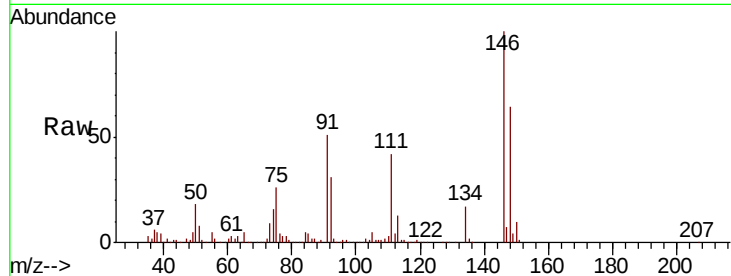
#91
 1,2-Dichlorobenzene
 Concen: 53.26 ug/l
 RT: 13.66 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:146 Resp: 1001620
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.1 63.1
 148 64.4 32.2 96.6

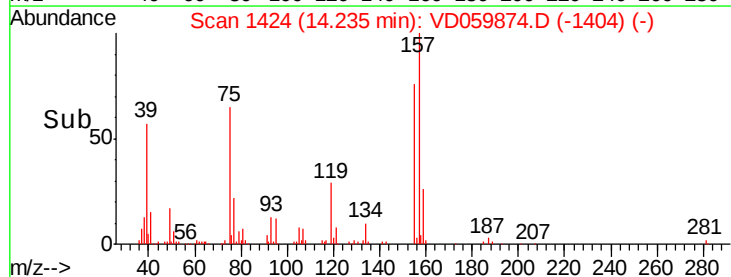
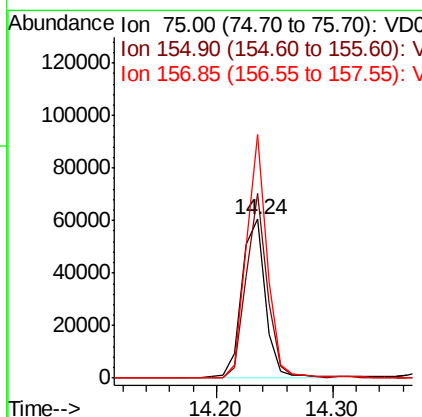
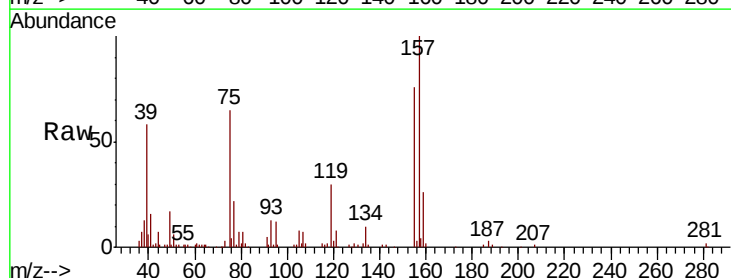
Manual Integrations
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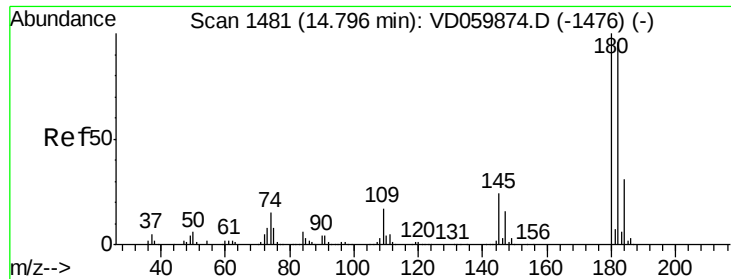
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.80 ug/l
 RT: 14.24 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Tgt Ion: 75 Resp: 86000
 Ion Ratio Lower Upper
 75 100
 155 116.4 58.2 174.6
 157 153.6 76.8 230.4





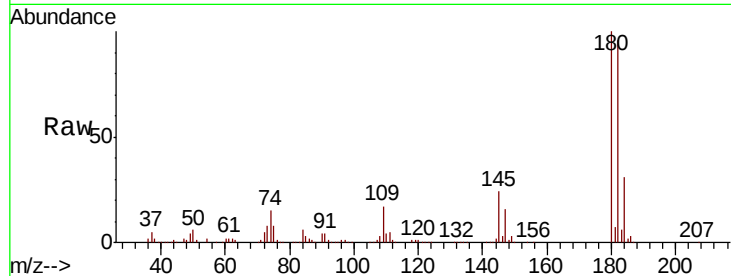
#93
 1,2,4-Trichlorobenzene
 Concen: 54.00 ug/l
 RT: 14.80 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

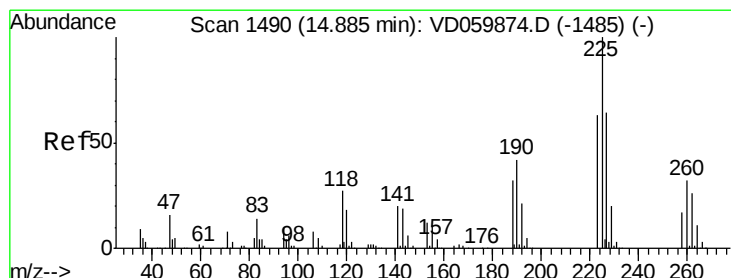
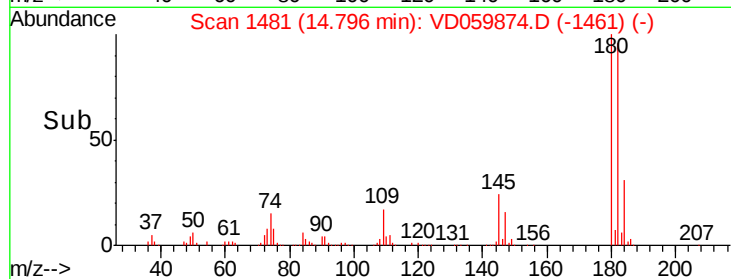
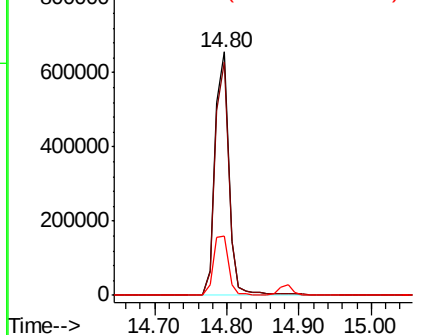
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.9	143.7	
145	24.3	12.2	36.4	

Manual Integrations
 APPROVED

apatel
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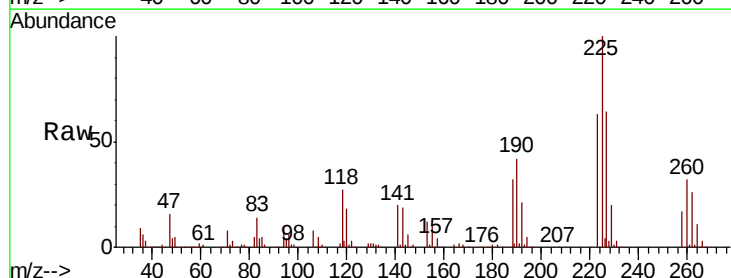


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

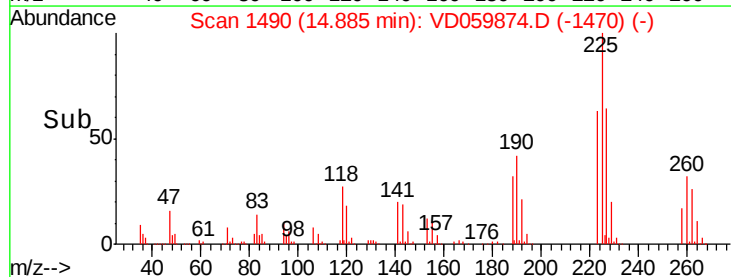
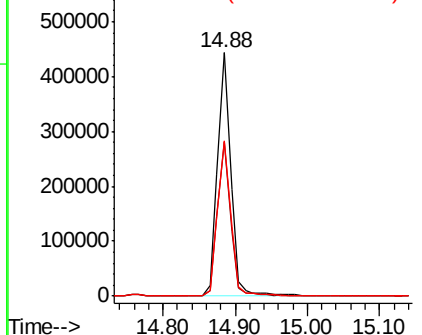


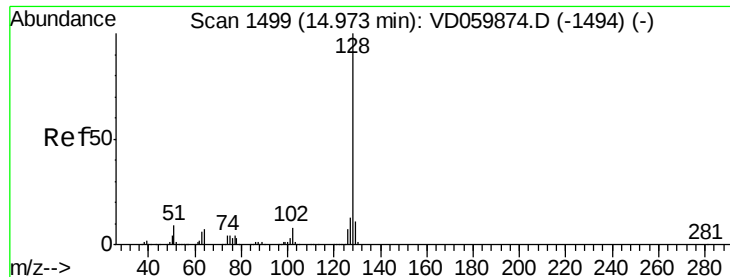
#94
 Hexachlorobutadiene
 Concen: 52.42 ug/l
 RT: 14.88 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: VD059874.D
 Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.6	94.8	
227	64.0	32.0	96.0	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





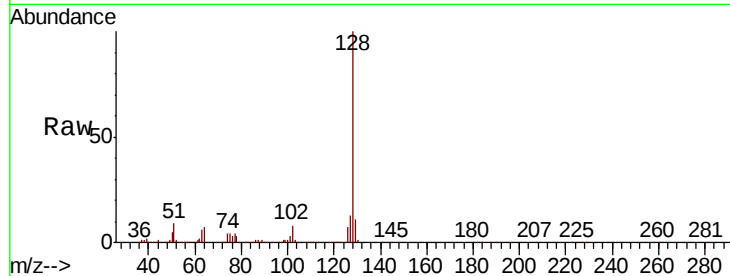
#95
Naphthalene
Concen: 52.43 ug/l
RT: 14.97 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

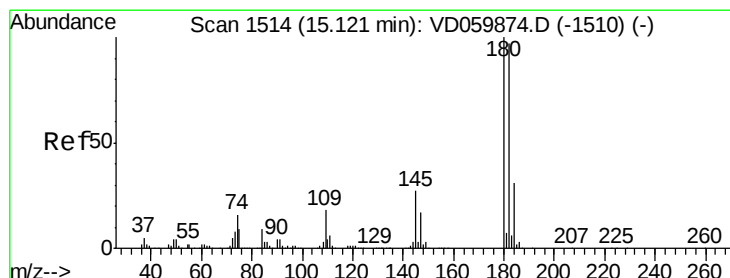
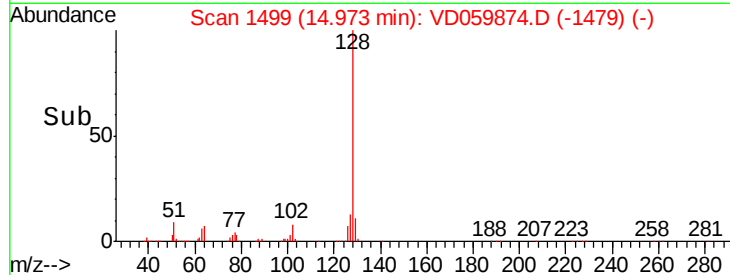
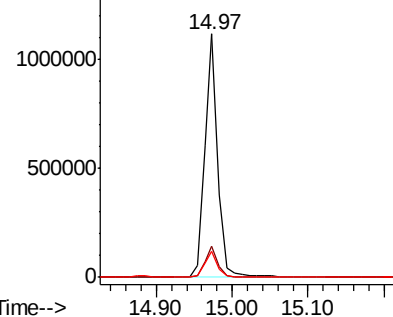
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.0	15.0
129	10.8	8.6	13.0

Manual Integrations
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apatel
8/23/2018 10:52:43 AM

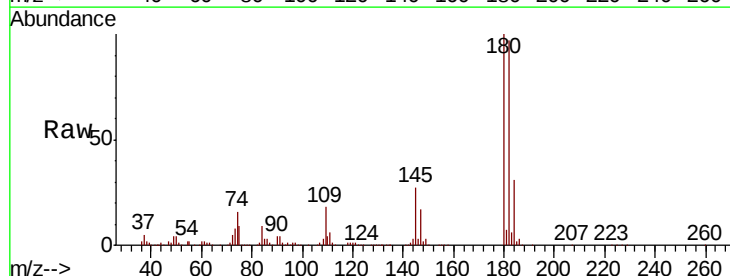


Abundance Ion 128.00 (127.70 to 128.70): V
1500000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.79 ug/l
RT: 15.12 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD059874.D
Acq: 22 Aug 2018 14:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.6	145.8
145	27.2	13.6	40.8



Abundance Ion 179.85 (179.55 to 180.55): V
800000
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

