

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082218\
 Data File : VD059872.D
 Acq On : 22 Aug 2018 13:12
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
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 8/23/2018 10:52:33 AM

Quant Time: Aug 23 01:30:49 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	6.40	168	1189310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1657752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1388035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	693214	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.79	65	98103	10.26	ug/l	0.00
Spiked Amount 50.000			Recovery =	20.52%		
35) Dibromofluoromethane	6.32	113	126804	10.01	ug/l	0.00
Spiked Amount 50.000			Recovery =	20.02%		
50) Toluene-d8	9.46	98	351178	10.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	20.16%		
62) 4-Bromofluorobenzene	12.43	95	146770	10.51	ug/l	0.00
Spiked Amount 50.000			Recovery =	21.02%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	97616	9.41	ug/l	96
3) Chloromethane	1.74	50	88132	9.20	ug/l	97
4) Vinyl Chloride	1.84	62	66165	8.79	ug/l	94
5) Bromomethane	2.13	94	10523	11.90	ug/l	97
6) Chloroethane	2.24	64	23063	12.07	ug/l	97
7) Trichlorofluoromethane	2.50	101	80644	9.88	ug/l	100
8) Diethyl Ether	2.81	74	18803	10.07	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.08	101	52616	10.13	ug/l	98
10) Methyl Iodide	3.23	142	35614	7.26	ug/l	94
11) Tert butyl alcohol	3.87	59	32860	42.19	ug/l	99
12) 1,1-Dichloroethene	3.06	96	40547	10.25	ug/l	90
13) Acrolein	2.97	56	12195	39.47	ug/l #	62
14) Allyl chloride	3.52	41	87602	9.41	ug/l	95
15) Acrylonitrile	4.08	53	145526	51.20	ug/l	98
16) Acetone	3.15	43	77026	44.45	ug/l	96
17) Carbon Disulfide	3.30	76	103508	8.42	ug/l	98
18) Methyl Acetate	3.55	43	33513	8.77	ug/l	96
19) Methyl tert-butyl Ether	4.12	73	234006	9.89	ug/l	97
20) Methylene Chloride	3.71	84	154465	10.86	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	106703	9.53	ug/l	96
22) Diisopropyl ether	4.85	45	474187	10.01	ug/l	99
23) Vinyl Acetate	4.80	43	1388920	52.60	ug/l	99
24) 1,1-Dichloroethane	4.75	63	200244	9.80	ug/l	99
25) 2-Butanone	5.62	43	238192	46.03	ug/l	99
26) 2,2-Dichloropropane	5.59	77	179433	10.75	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	122075	9.82	ug/l	99
28) Bromochloromethane	5.92	49	98156	10.00	ug/l	93
29) Tetrahydrofuran	5.96	42	126876	49.13	ug/l	99
30) Chloroform	6.10	83	205973	9.87	ug/l	94
31) Cyclohexane	6.37	56	188721	10.11	ug/l	95
32) 1,1,1-Trichloroethane	6.29	97	174466	9.86	ug/l	98
36) 1,1-Dichloropropene	6.52	75	140806	9.58	ug/l	99
37) Ethyl Acetate	5.69	43	115828	9.82	ug/l	99
38) Carbon Tetrachloride	6.50	117	150353	10.09	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	154686	9.53	ug/l	98
40) Benzene	6.80	78	370385	9.61	ug/l	98
41) Methacrylonitrile	5.92	41	53799m	5.08	ug/l	
42) 1,2-Dichloroethane	6.89	62	120446	9.58	ug/l	100
43) Isopropyl Acetate	8.35	43	147762	9.53	ug/l #	99
44) Trichloroethene	7.74	130	107487	9.50	ug/l	91
45) 1,2-Dichloropropane	8.10	63	107004	9.81	ug/l	92
46) Dibromomethane	8.22	93	67321	9.63	ug/l	97
47) Bromodichloromethane	8.50	83	155418	9.83	ug/l	98
48) Methyl methacrylate	8.25	41	86349	9.89	ug/l	98
49) 1,4-Dioxane	8.23	88	15748	197.90	ug/l #	85
51) 4-Methyl-2-Pentanone	9.34	43	502396	46.63	ug/l	93
52) Toluene	9.55	92	240589	9.70	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	143595	9.79	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	167832	9.83	ug/l	94
55) 1,1,2-Trichloroethane	10.19	97	93001	10.30	ug/l	91
56) Ethyl methacrylate	10.04	69	107571	10.01	ug/l	97
57) 1,3-Dichloropropane	10.39	76	129201	9.77	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	270678	52.87	ug/l	97
59) 2-Hexanone	10.50	43	369370	47.27	ug/l	98
60) Dibromochloromethane	10.64	129	113412	9.86	ug/l	100
61) 1,2-Dibromoethane	10.76	107	90278	9.69	ug/l	99
64) Tetrachloroethene	10.26	164	101191	9.54	ug/l	98
65) Chlorobenzene	11.32	112	272547	10.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	103865	10.54	ug/l	98
67) Ethyl Benzene	11.43	91	479933	10.79	ug/l	96
68) m/p-Xylenes	11.57	106	337848	21.04	ug/l	95
69) o-Xylene	11.94	106	158946	10.08	ug/l	93
70) Styrene	11.96	104	287095	10.48	ug/l	97
71) Bromoform	12.12	173	85239	9.75	ug/l	97
73) Isopropylbenzene	12.28	105	457510	10.47	ug/l	100
74) N-amyl acetate	12.14	43	200042	10.24	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	102602	10.21	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	110554	10.22	ug/l	98
77) Bromobenzene	12.54	156	122741	10.11	ug/l	96
78) n-propylbenzene	12.64	91	597749	11.00	ug/l	97
79) 2-Chlorotoluene	12.71	91	330444	10.68	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	379232	11.16	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	33908	10.18	ug/l	96
82) 4-Chlorotoluene	12.82	91	386198	11.18	ug/l	100
83) tert-Butylbenzene	13.05	119	428278	10.84	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	385681	10.78	ug/l	98
85) sec-Butylbenzene	13.22	105	496727	10.74	ug/l	99
86) p-Isopropyltoluene	13.35	119	391359	10.46	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	227449	10.56	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	226465	10.54	ug/l	98
89) n-Butylbenzene	13.66	91	433618	11.79	ug/l	99
90) Hexachloroethane	13.86	117	109406	10.73	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	203769	11.35	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	15175	9.57	ug/l	96

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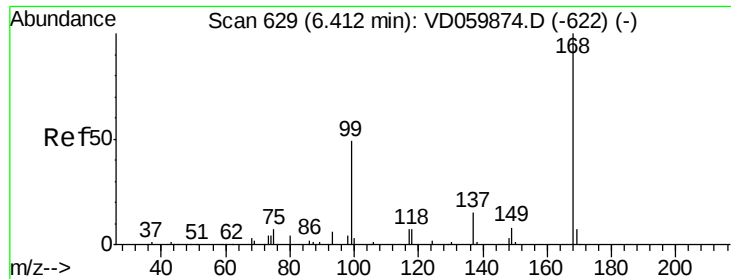
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	161679	10.49	ug/l	99
94) Hexachlorobutadiene	14.89	225	109154	10.67	ug/l	97
95) Naphthalene	14.97	128	241469	9.87	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	139066	10.28	ug/l	97

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



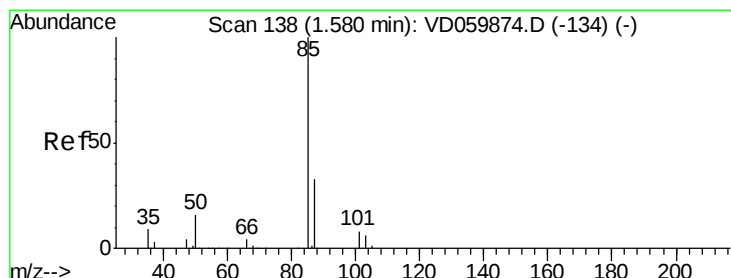
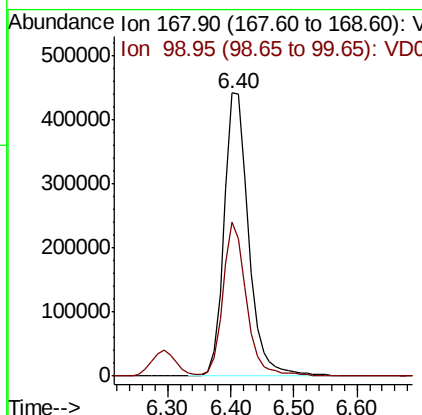
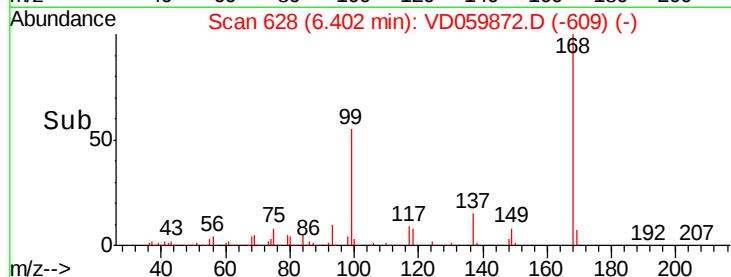
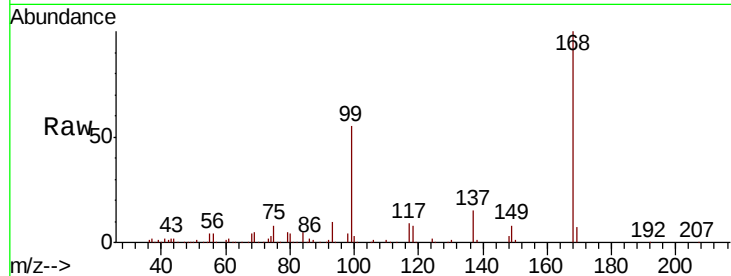
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 6.40 min Scan# 628
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

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MSVOA_D
ClientSampleID :
VSTDIC010

Tot Ion:168 Resp: 1189310
Ion Ratio Lower Upper
168 100
99 54.5 42.2 63.2

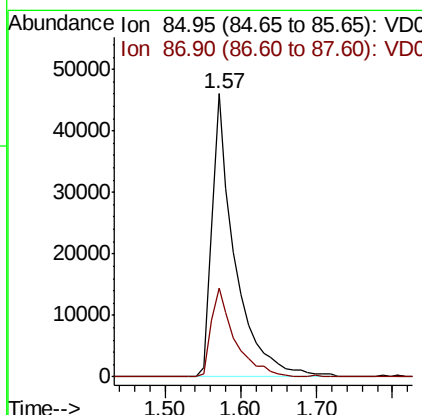
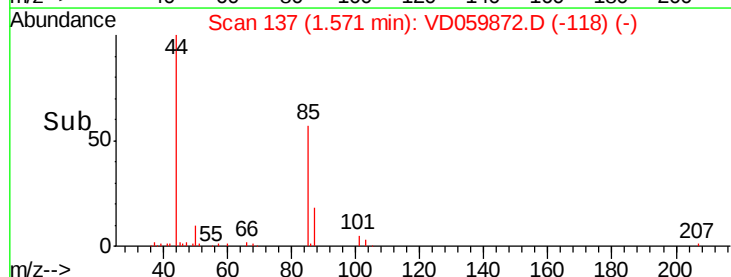
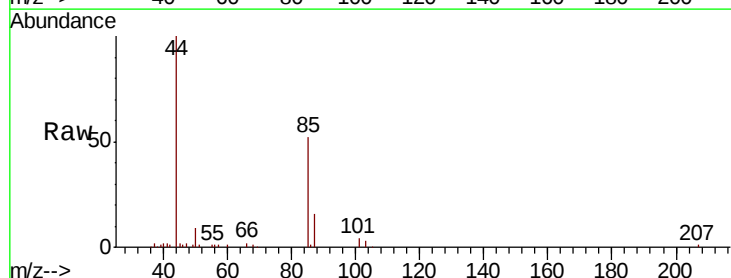
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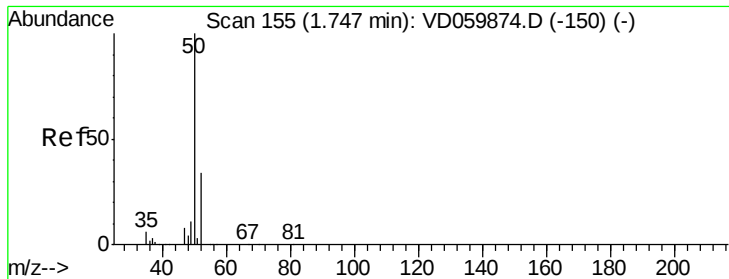
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#2
Dichlorodifluoromethane
Concen: 9.41 ug/l
RT: 1.57 min Scan# 137
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion: 85 Resp: 97616
Ion Ratio Lower Upper
85 100
87 31.4 16.8 50.3





#3

Chloromethane

Concen: 9.20 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 88132

Ion Ratio Lower Upper

50 100

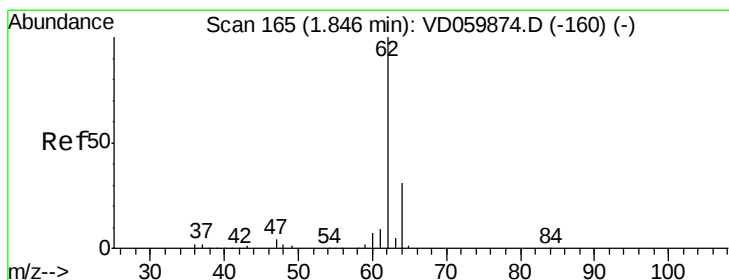
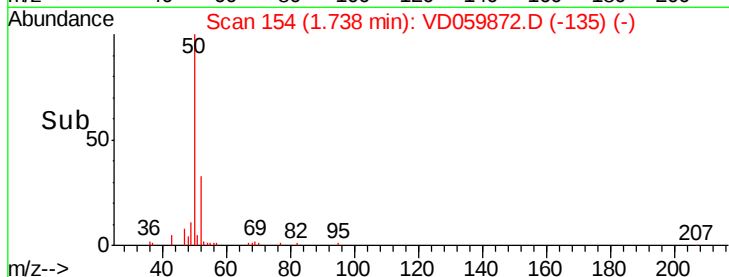
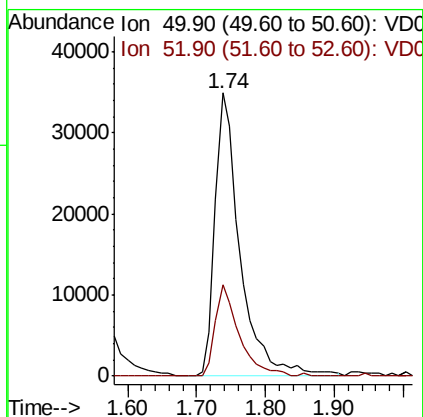
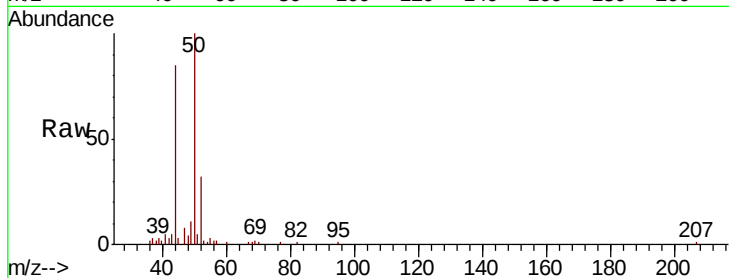
52 32.2 27.0 40.6

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#4

Vinyl Chloride

Concen: 8.79 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059872.D

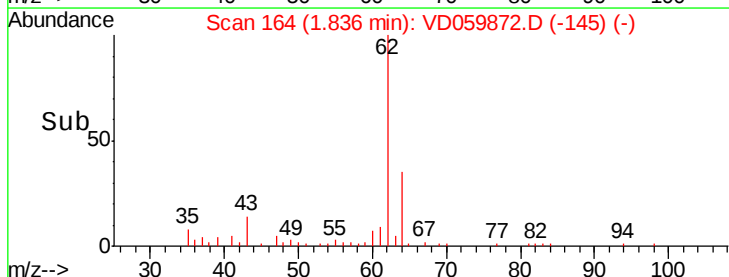
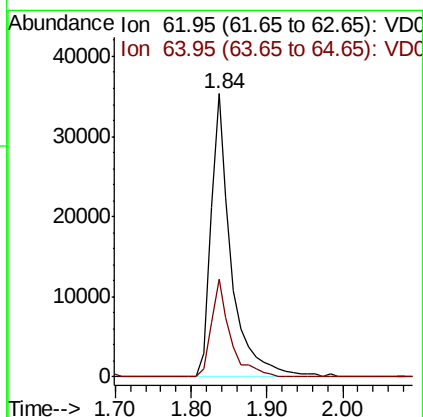
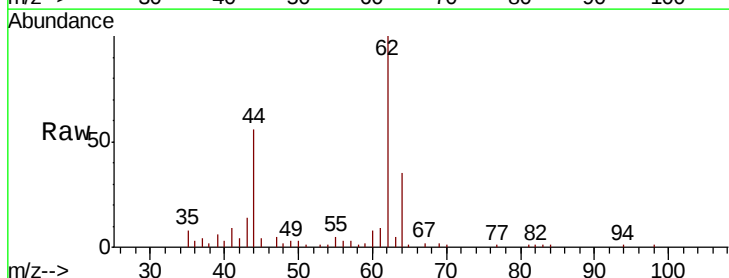
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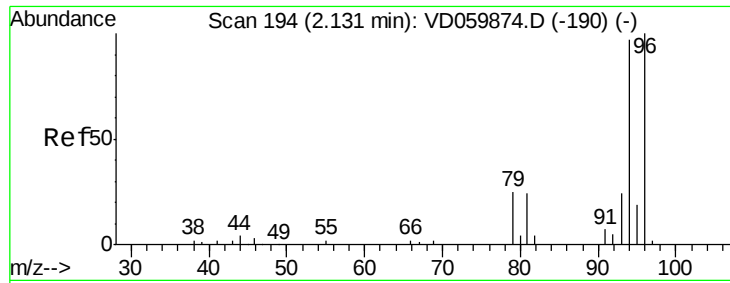
Tgt Ion: 62 Resp: 66165

Ion Ratio Lower Upper

62 100

64 34.5 25.0 37.6





#5

Bromomethane

Concen: 11.90 ug/l

RT: 2.13 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 10523

Ion Ratio Lower Upper

94 100

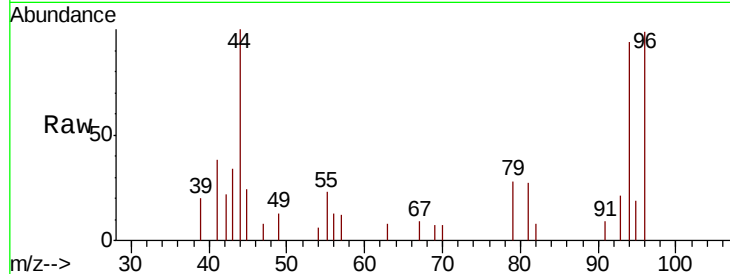
96 105.7 82.4 123.6

Manual Integrations

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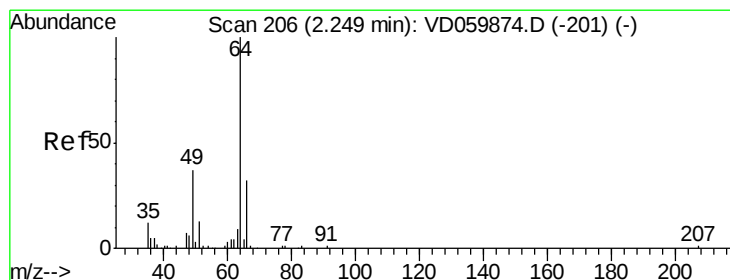
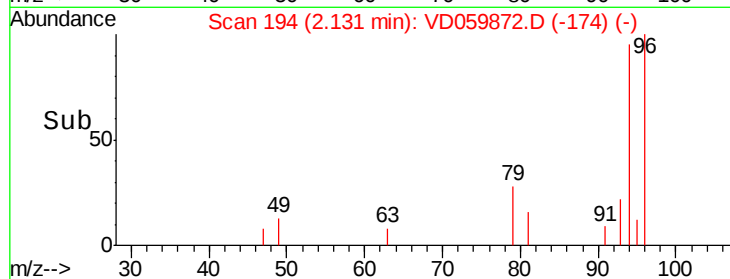
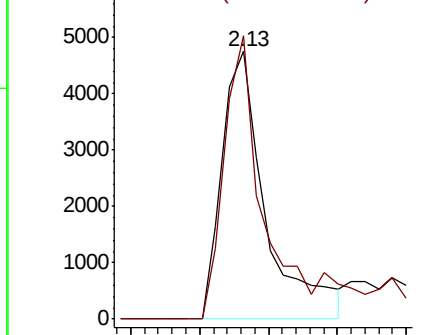
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.07 ug/l

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059872.D

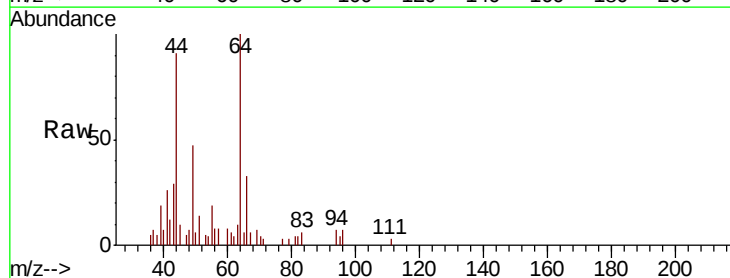
Acq: 22 Aug 2018 13:12

Tgt Ion: 64 Resp: 23063

Ion Ratio Lower Upper

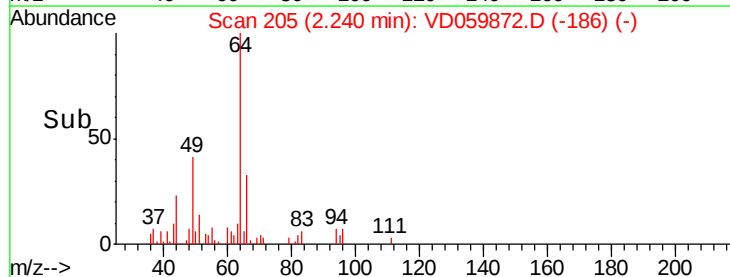
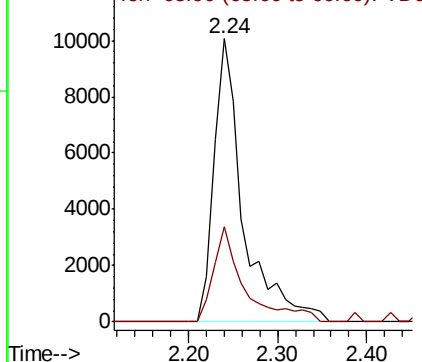
64 100

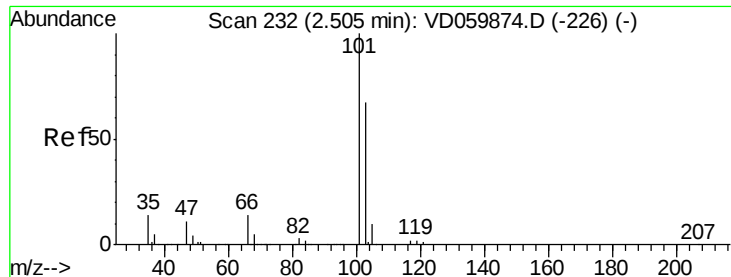
66 33.4 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

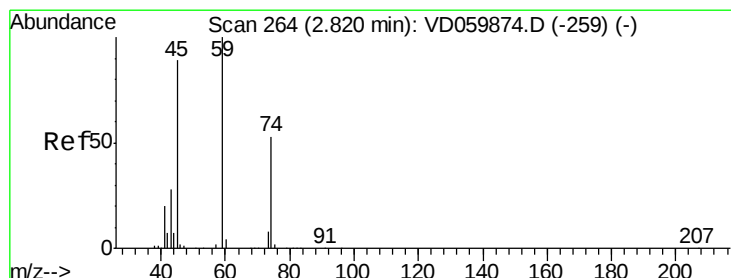
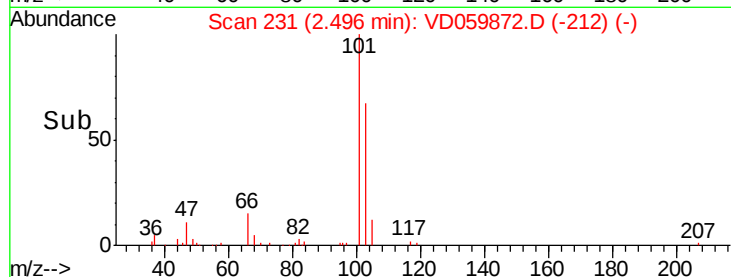
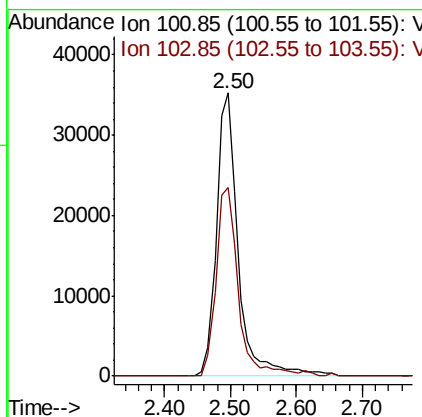
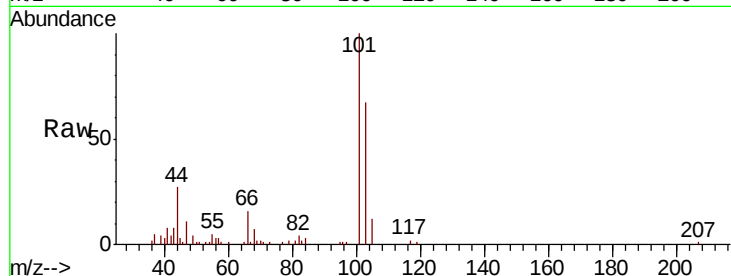
Trichlorofluoromethane
Concen: 9.88 ug/l
RT: 2.50 min Scan# 231
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	53.7	80.5

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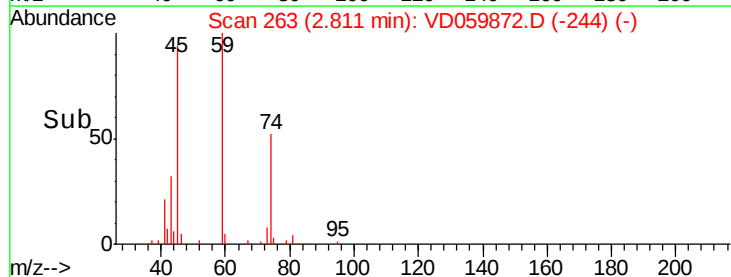
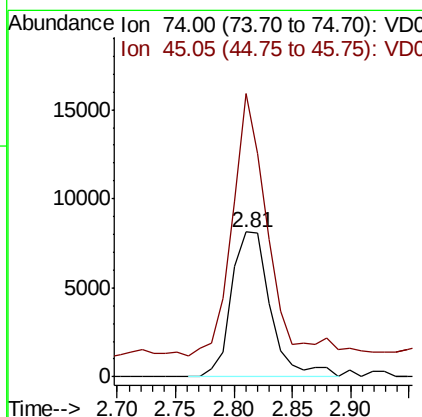
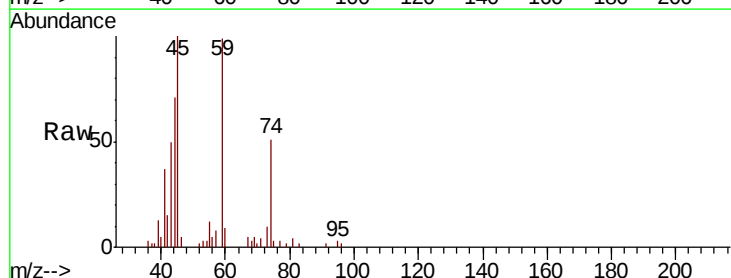
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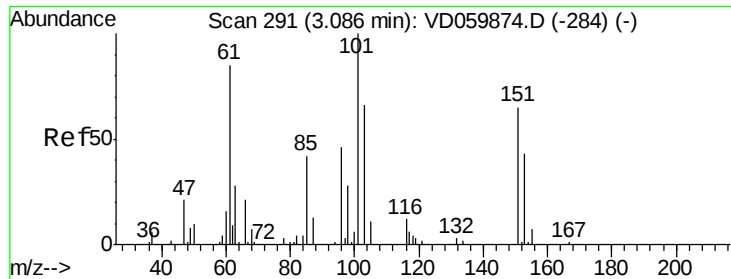


#8

Diethyl Ether
Concen: 10.07 ug/l
RT: 2.81 min Scan# 263
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	195.5	85.7	257.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.13 ug/l

RT: 3.08 min Scan# 290

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

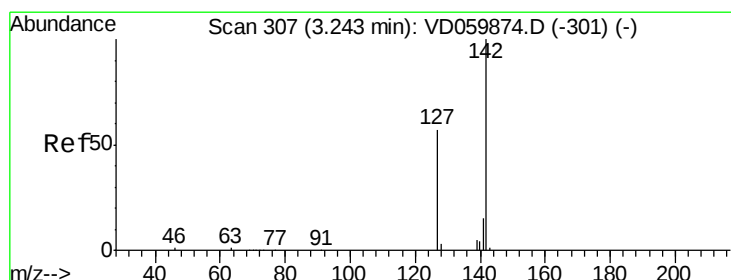
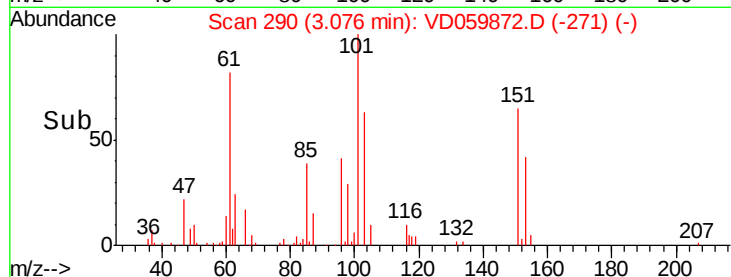
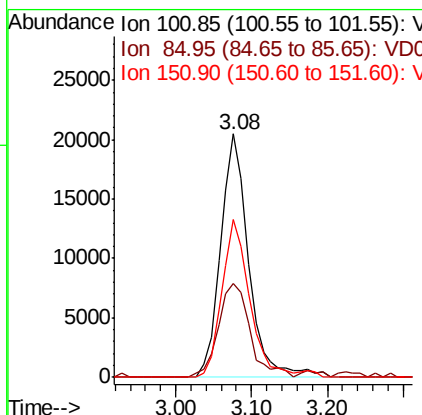
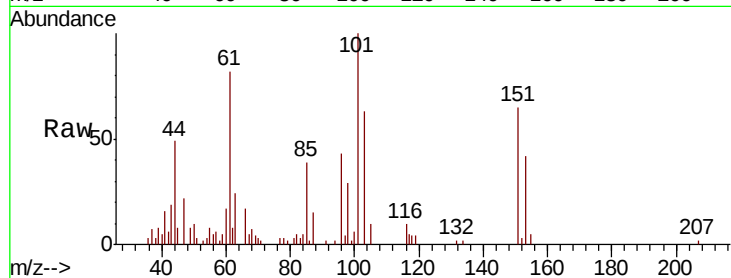
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	52616
Ion Ratio	Lower	Upper	
101	100		
85	38.7	33.6	50.4
151	64.9	52.0	78.0

Manual Integrations
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#10

Methyl Iodide

Concen: 7.26 ug/l

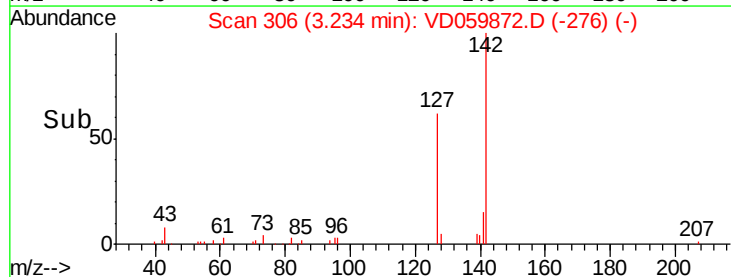
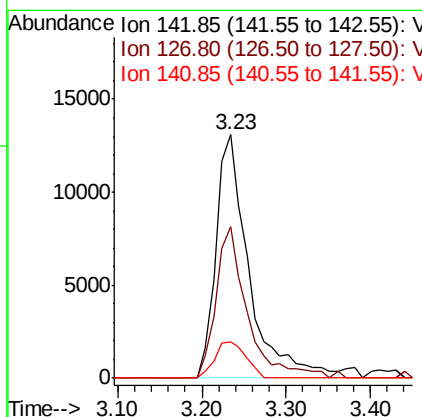
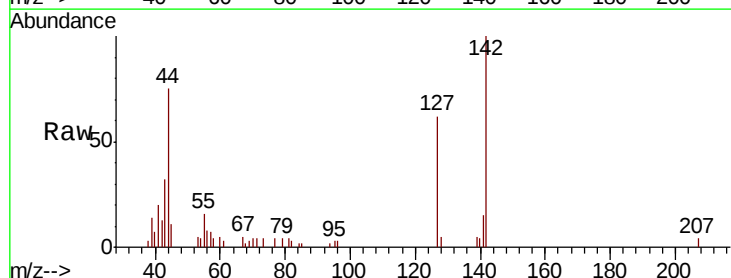
RT: 3.23 min Scan# 306

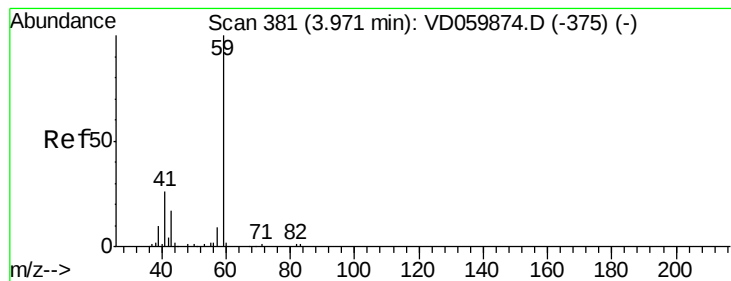
Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Tgt Ion:	142	Resp:	35614
Ion Ratio	Lower	Upper	
142	100		
127	62.1	45.8	68.6
141	15.0	11.6	17.4





#11

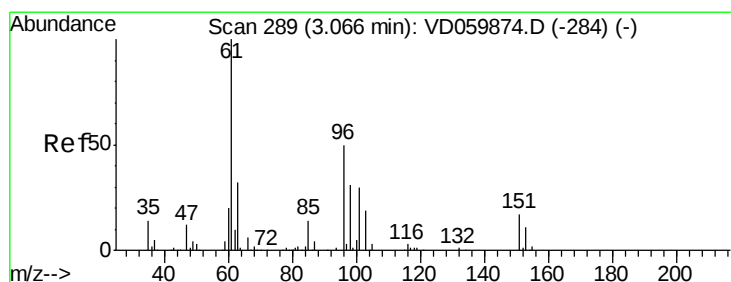
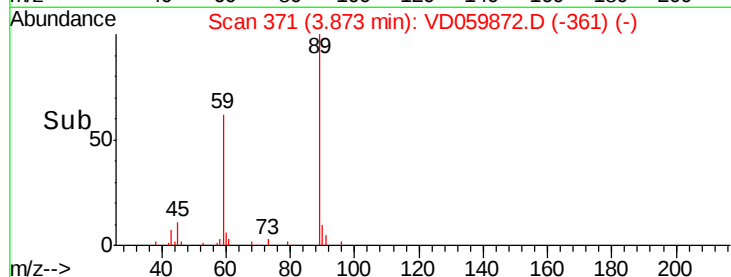
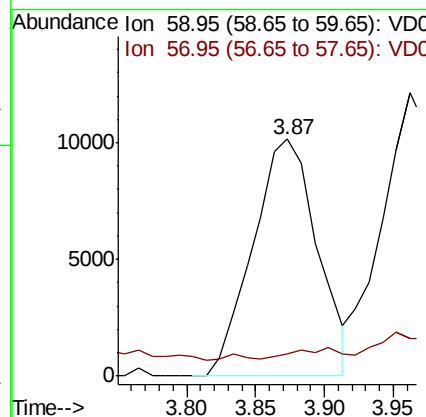
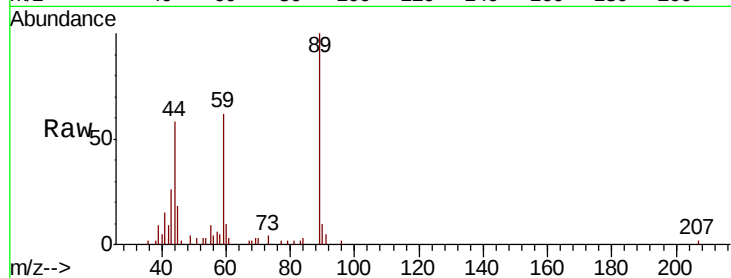
Tert butyl alcohol
Concen: 42.19 ug/l
RT: 3.87 min Scan# 371
Delta R.T. -0.10 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.4	11.0

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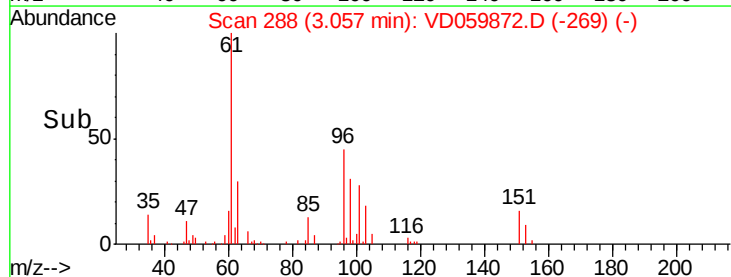
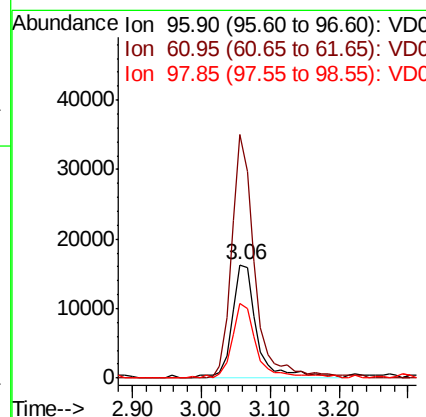
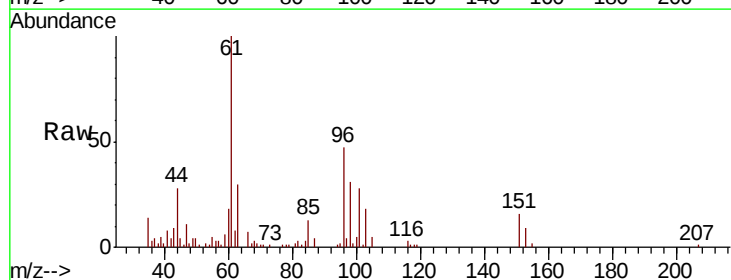
apatel
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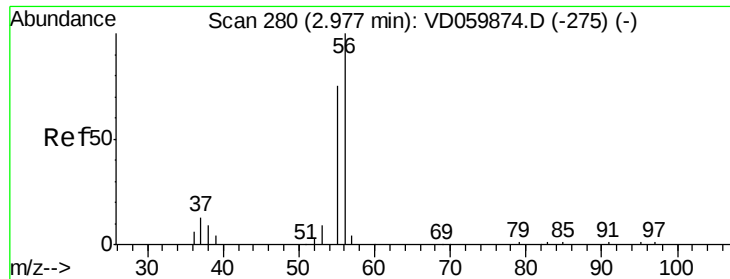


#12

1,1-Dichloroethene
Concen: 10.25 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	214.9	158.8	238.2
98	65.7	48.7	73.1





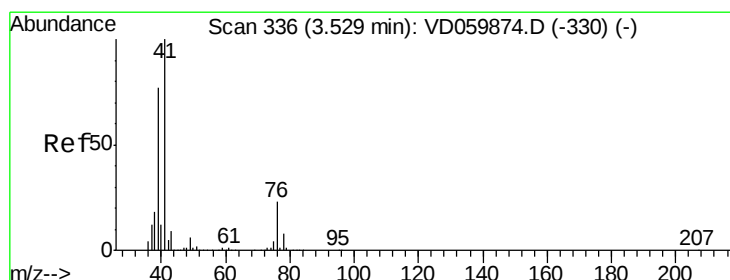
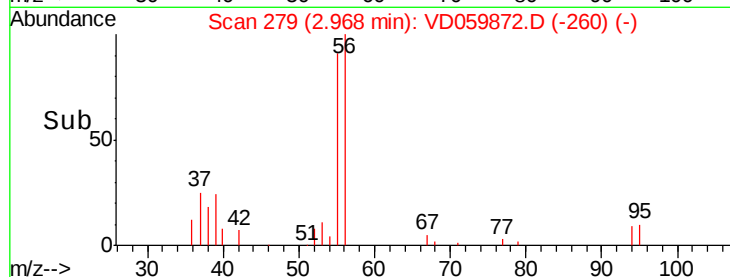
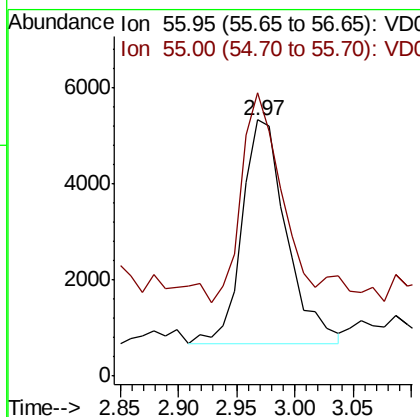
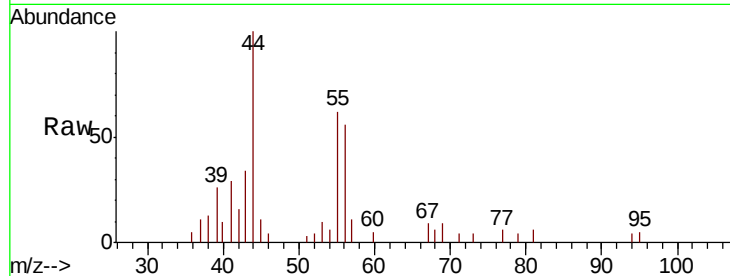
#13
Acrolein
Concen: 39.47 ug/l
RT: 2.97 min Scan# 279
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
55	110.5	61.9	92.9#

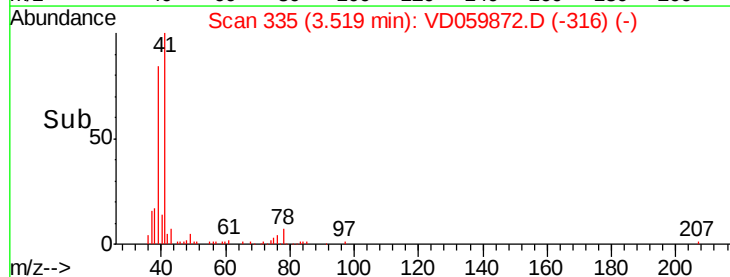
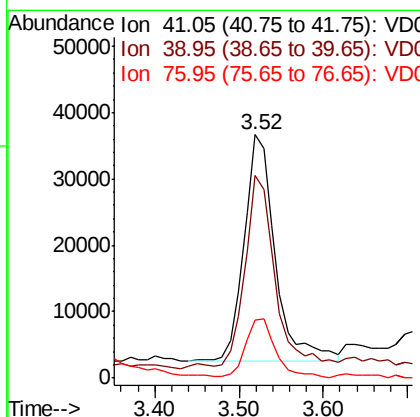
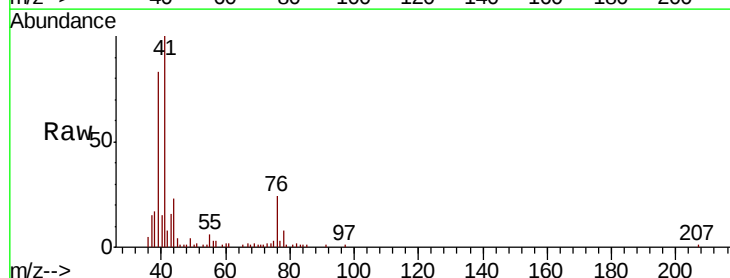
Manual Integrations
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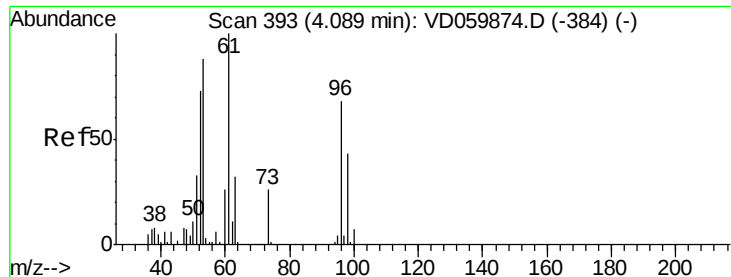
apatel
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#14
Allyl chloride
Concen: 9.41 ug/l
RT: 3.52 min Scan# 335
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
41	100		
39	83.2	61.8	92.6
76	23.9	19.4	29.2





#15

Acrylonitrile

Concen: 51.20 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

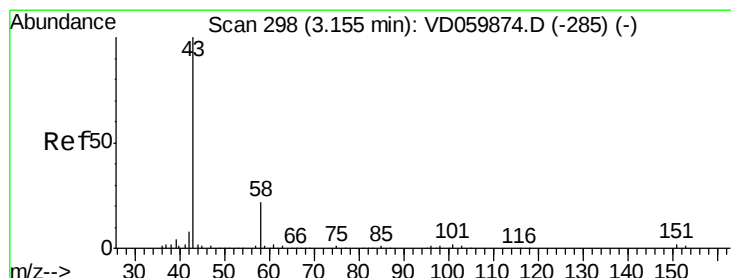
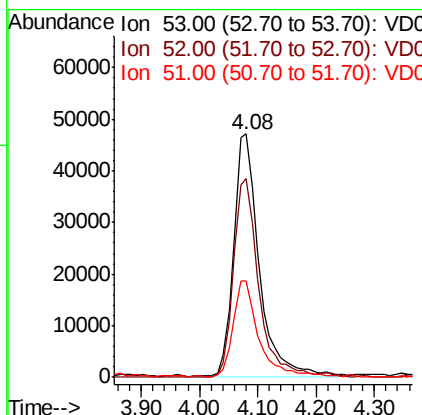
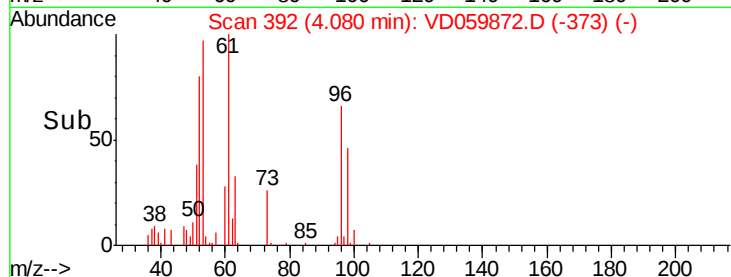
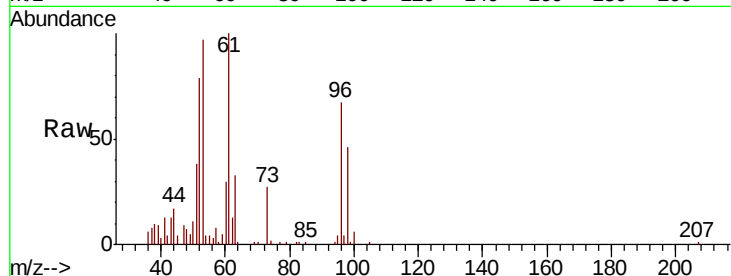
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	145526
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.9	100.3
51	39.7	30.3	45.5

Manual Integrations
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#16

Acetone

Concen: 44.45 ug/l

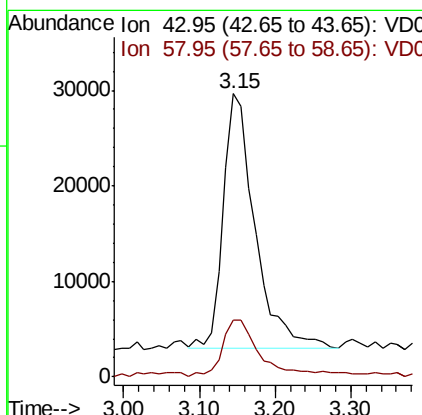
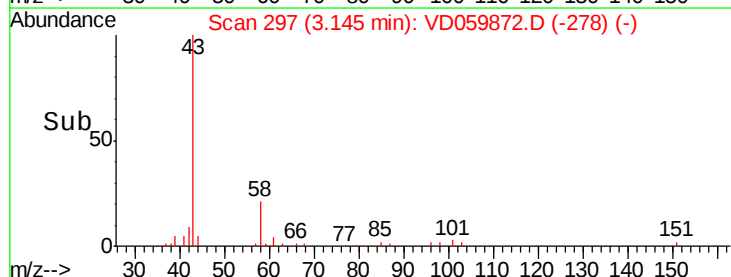
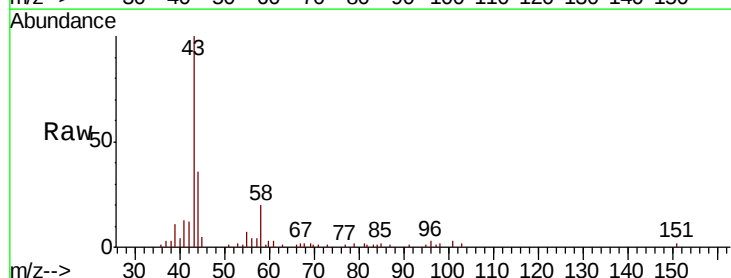
RT: 3.15 min Scan# 297

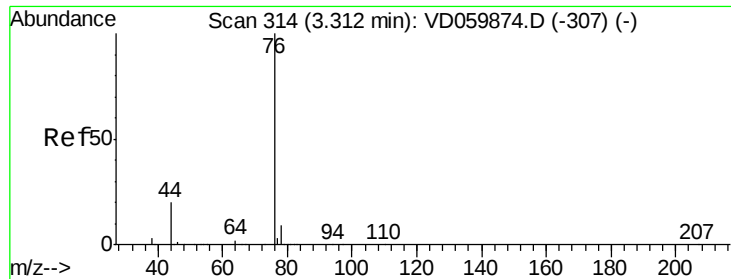
Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Tgt Ion:	43	Resp:	77026
Ion	Ratio	Lower	Upper
43	100		
58	19.9	17.6	26.4





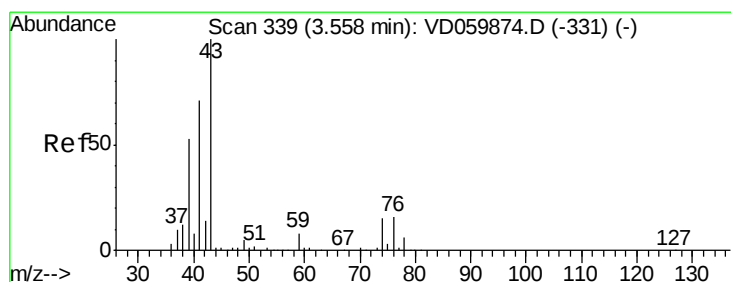
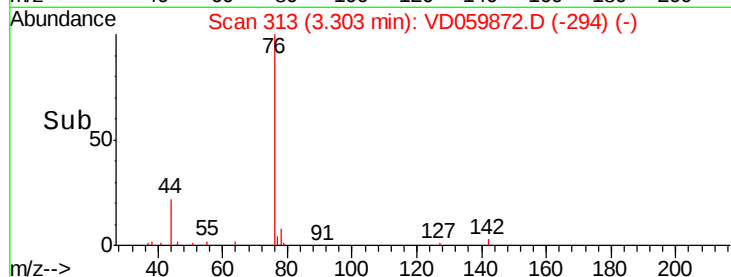
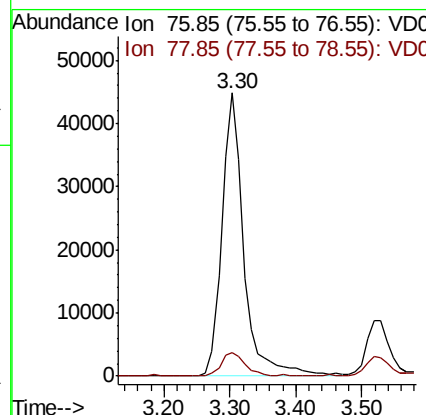
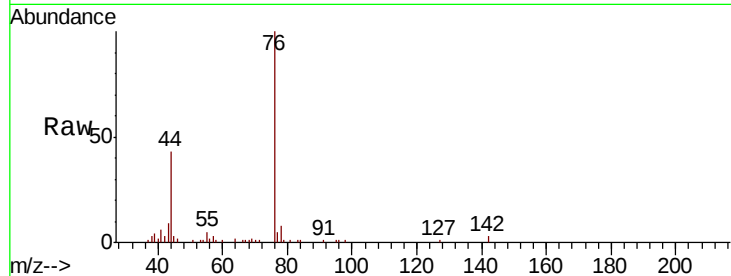
#17
Carbon Disulfide
Concen: 8.42 ug/l
RT: 3.30 min Scan# 313
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

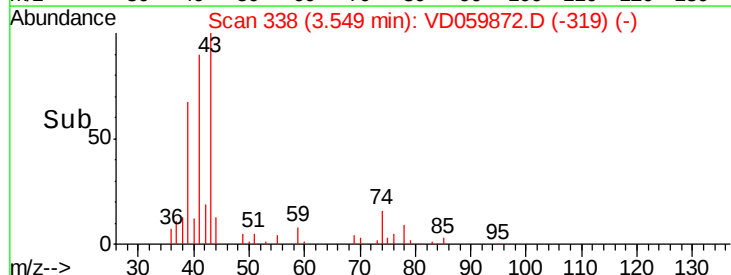
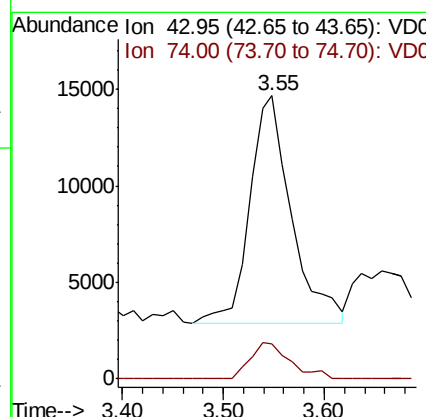
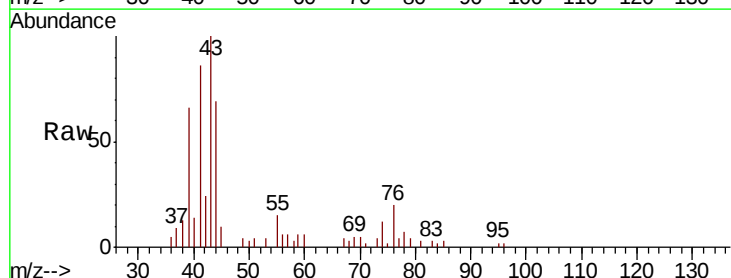
Manual Integrations
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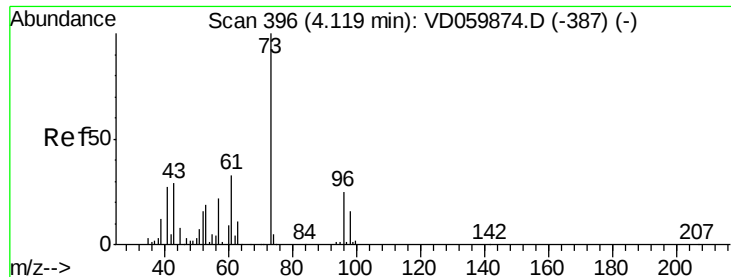
apatel
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#18
Methyl Acetate
Concen: 8.77 ug/l
RT: 3.55 min Scan# 338
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.4	11.2	16.8





#19

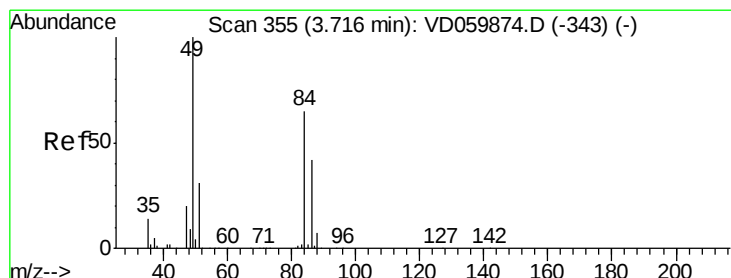
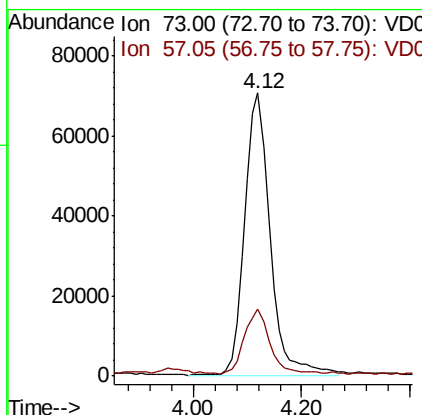
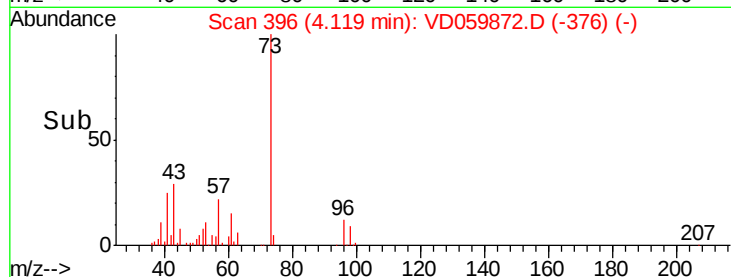
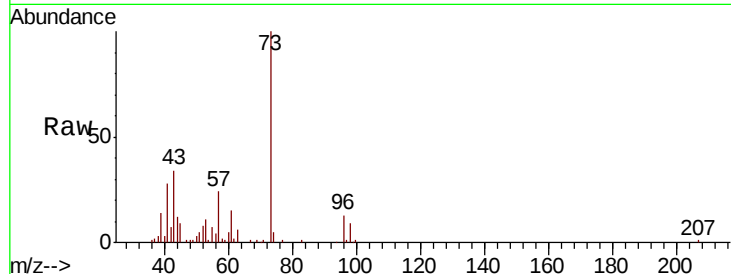
Methyl tert-butyl Ether
 Concen: 9.89 ug/l
 RT: 4.12 min Scan# 396
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	17.9	26.9

Manual Integrations
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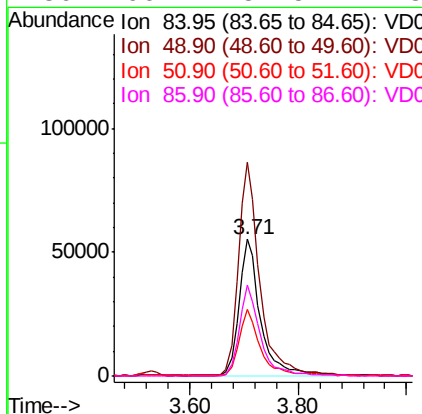
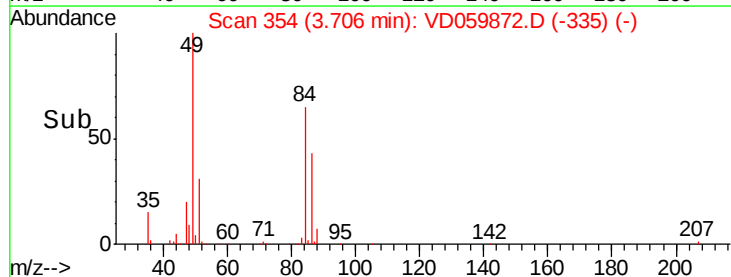
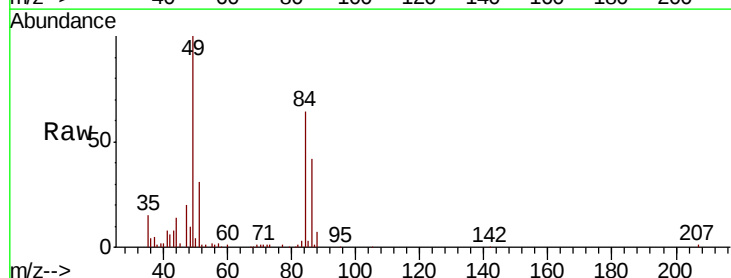
apatel
 8/23/2018 10:52:33 AM

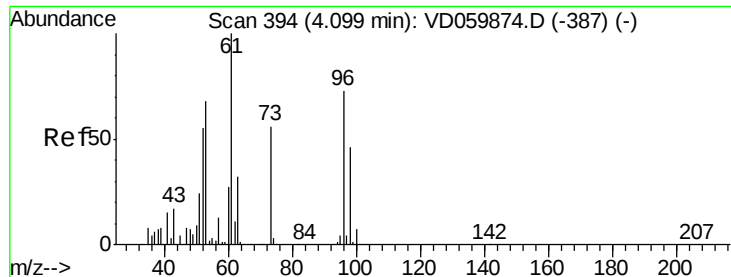


#20

Methylene Chloride
 Concen: 10.86 ug/l
 RT: 3.71 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.5	122.6	183.8
51	48.4	38.4	57.6
86	66.4	51.5	77.3





#21

trans-1,2-Dichloroethene

Concen: 9.53 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

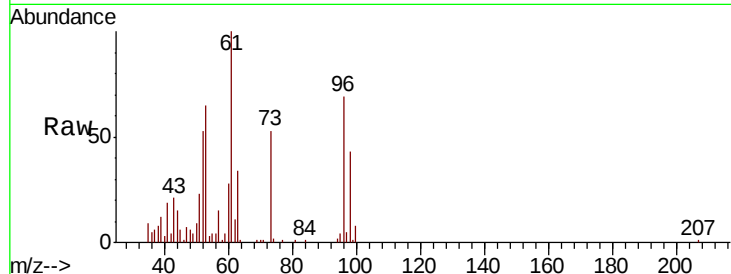
ClientSampleId :

VSTDIC010

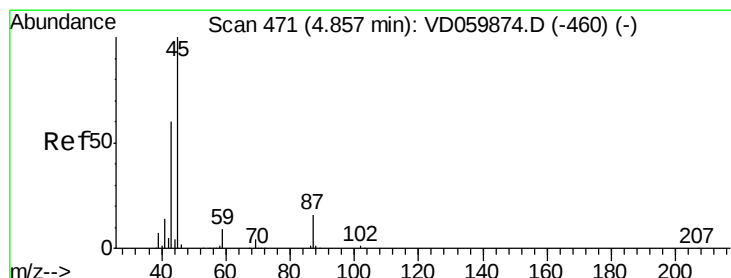
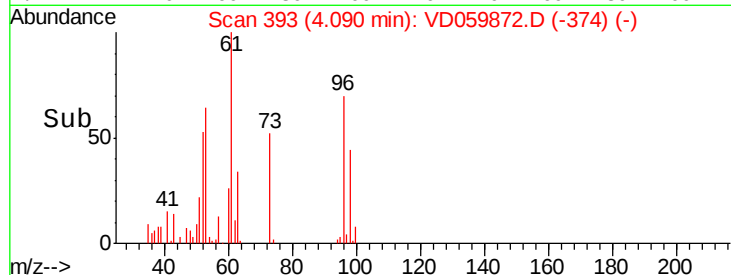
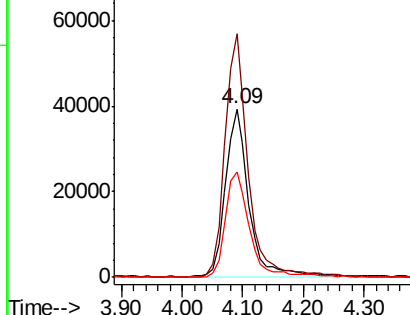
Tot Ion:	96	Resp:	106703
Ion	Ratio	Lower	Upper
96	100		
61	144.6	110.2	165.4
98	62.7	50.9	76.3

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



#22

Diisopropyl ether

Concen: 10.01 ug/l

RT: 4.85 min Scan# 470

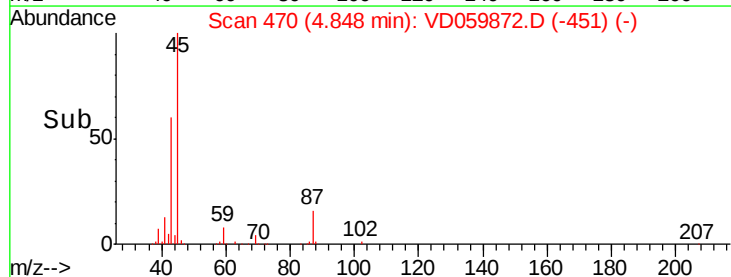
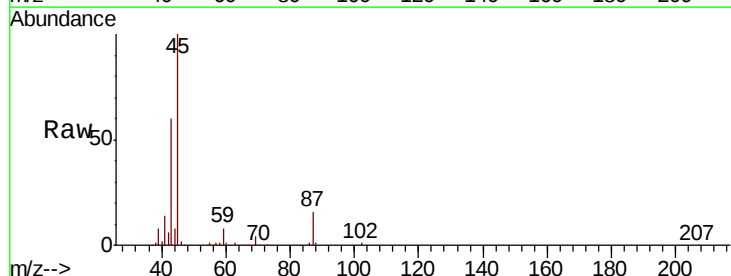
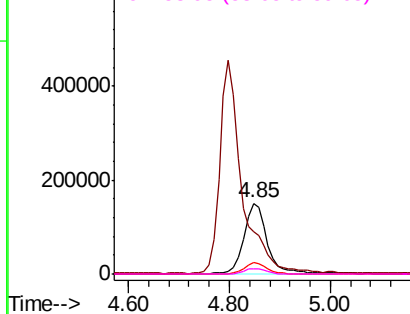
Delta R.T. -0.01 min

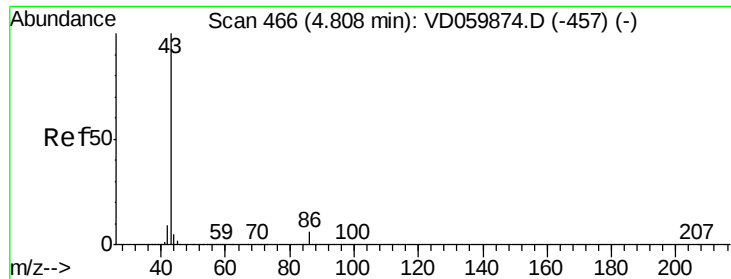
Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Tgt Ion:	45	Resp:	474187
Ion	Ratio	Lower	Upper
45	100		
43	60.5	48.6	72.8
87	16.1	13.3	19.9
59	7.9	7.1	10.7

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





#23

Vinyl Acetate

Concen: 52.60 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 1388920

Ion Ratio Lower Upper

43 100

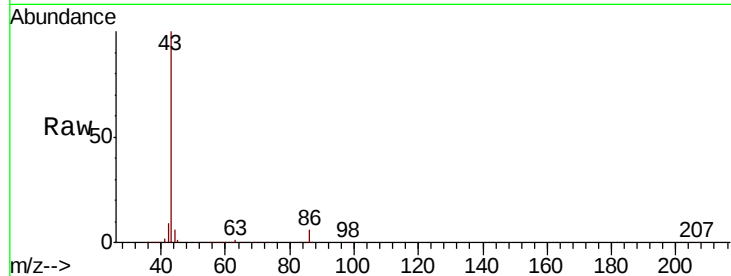
86 6.0 5.0 7.6

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.80

500000

400000

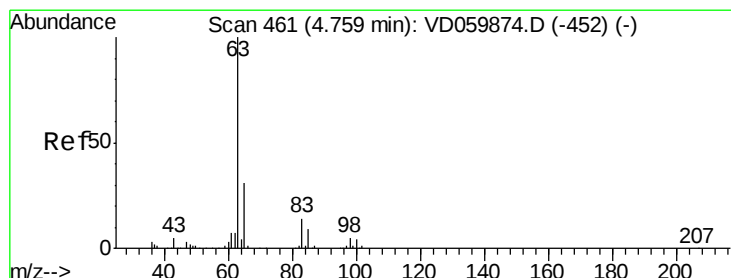
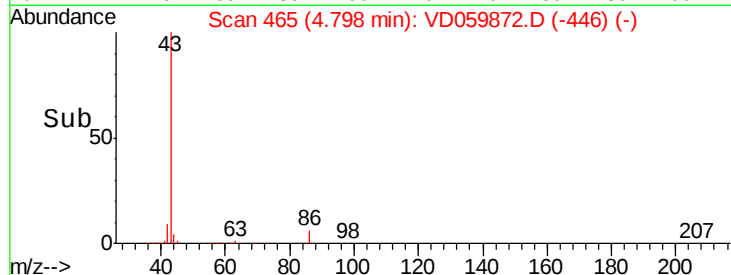
300000

200000

100000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#24

1,1-Dichloroethane

Concen: 9.80 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

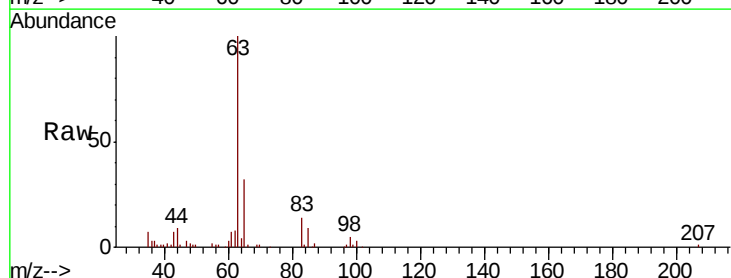
Tgt Ion: 63 Resp: 200244

Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

100 3.3 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.75

80000

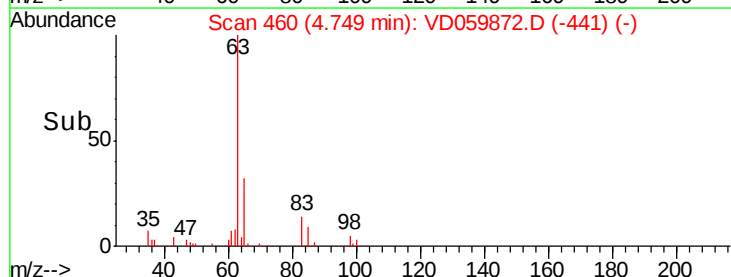
60000

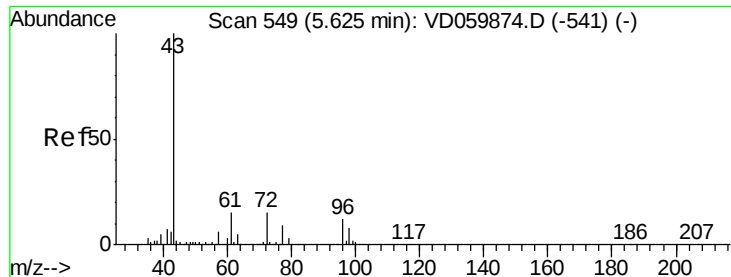
40000

20000

0

Time--> 4.60 4.70 4.80 4.90 5.00





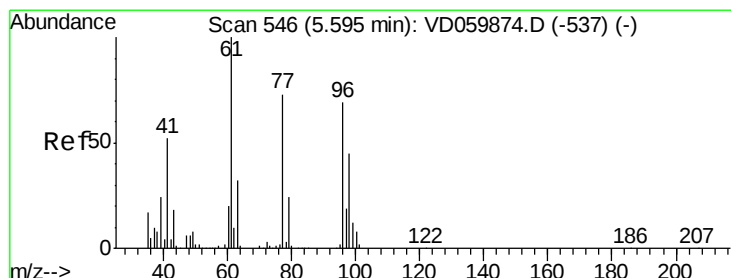
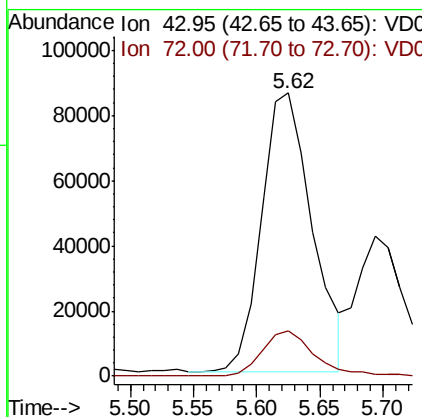
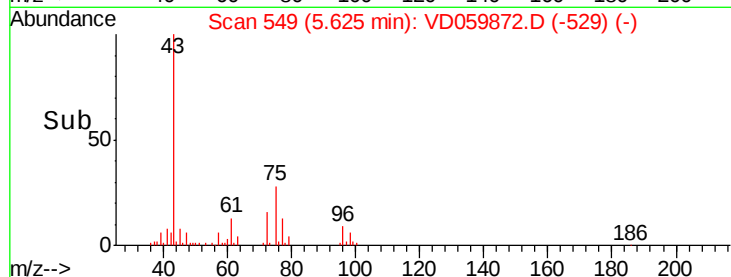
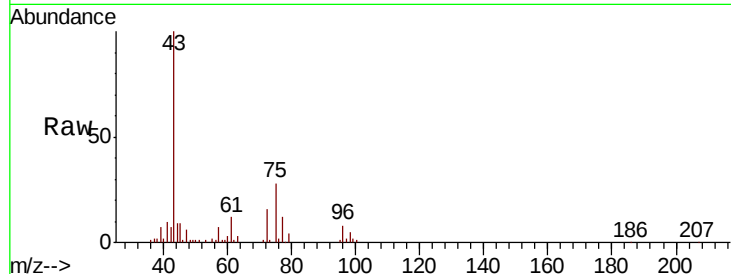
#25
2-Butanone
Concen: 46.03 ug/l
RT: 5.62 min Scan# 549
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
72	15.8	12.3	18.5

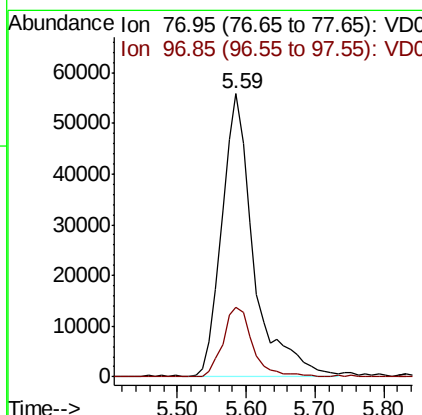
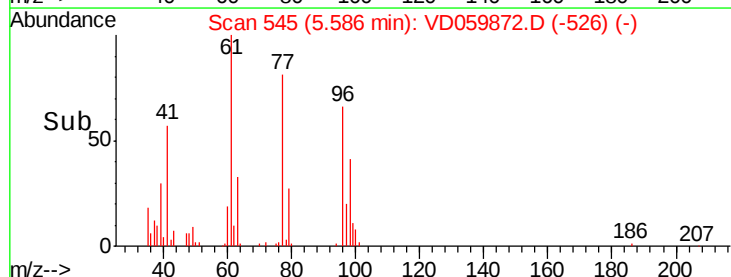
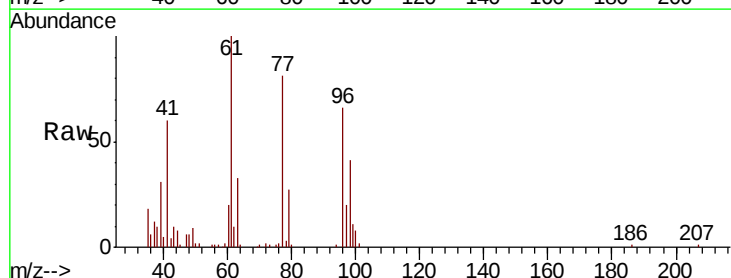
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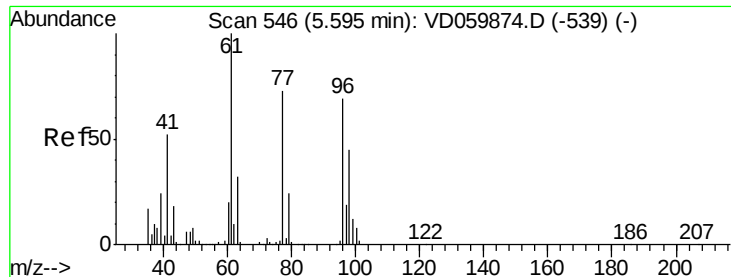
apatel
8/23/2018 10:52:33 AM



#26
2,2-Dichloropropane
Concen: 10.75 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.4	13.0	38.9





#27

cis-1,2-Dichloroethene

Concen: 9.82 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

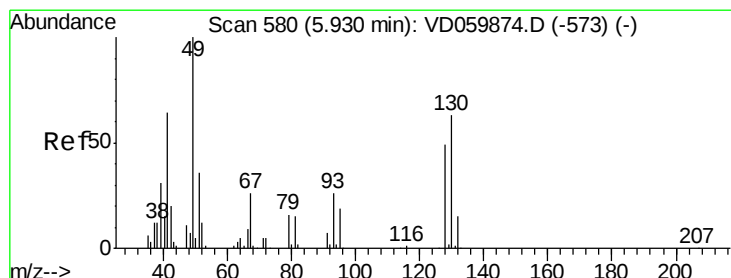
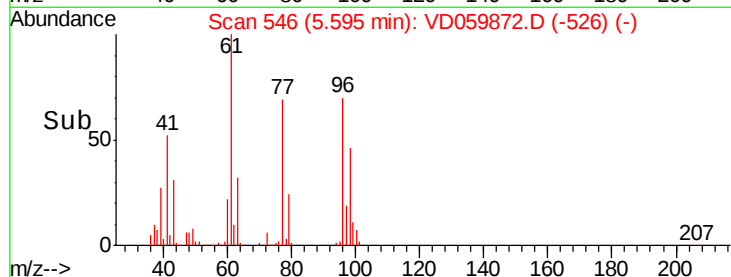
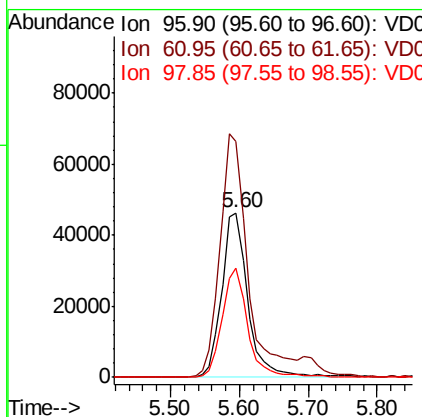
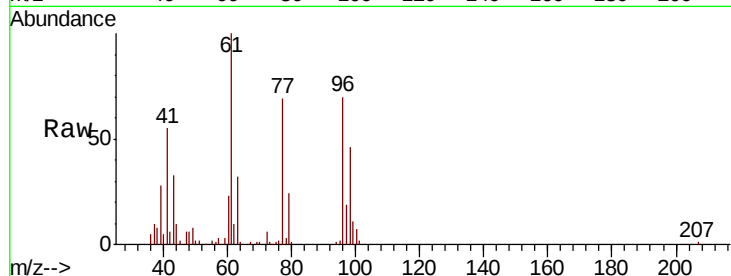
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	122075
Ion Ratio	Lower	Upper	
96	100		
61	143.7	0.0	290.2
98	66.3	0.0	130.4

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#28

Bromochloromethane

Concen: 10.00 ug/l

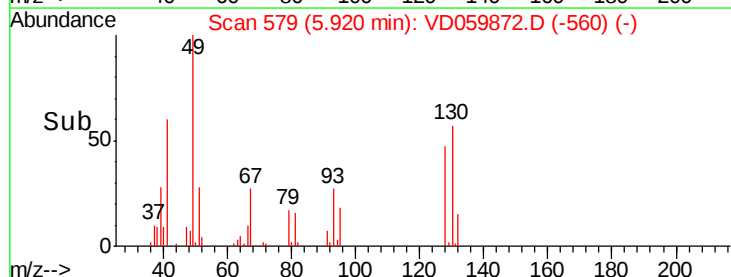
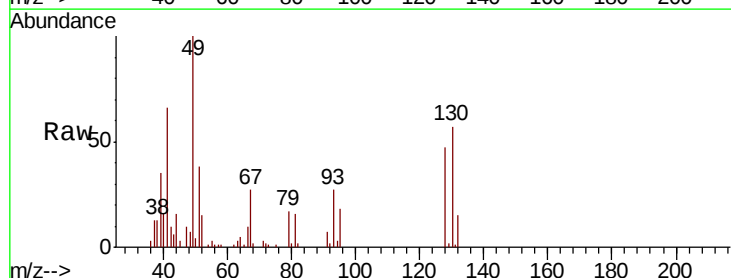
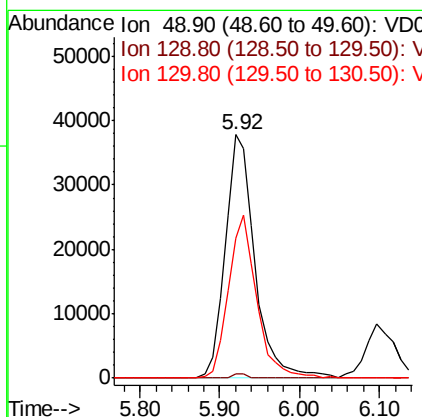
RT: 5.92 min Scan# 579

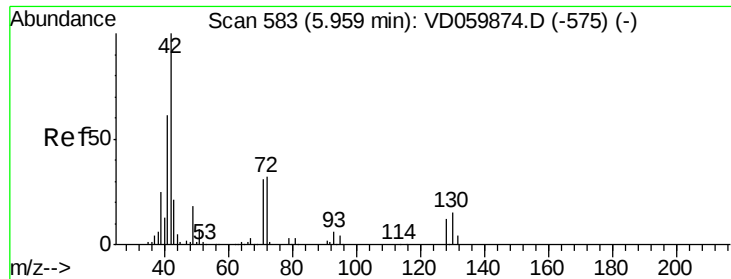
Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Tgt Ion:	49	Resp:	98156
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.2
130	57.3	50.6	75.8





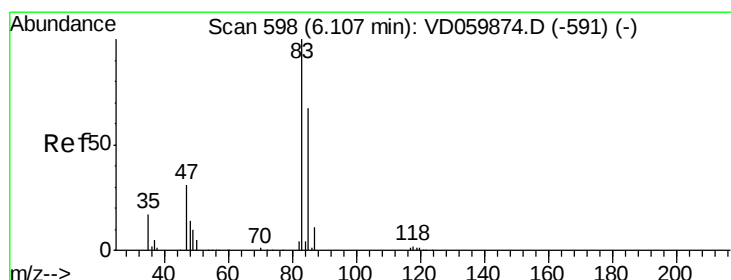
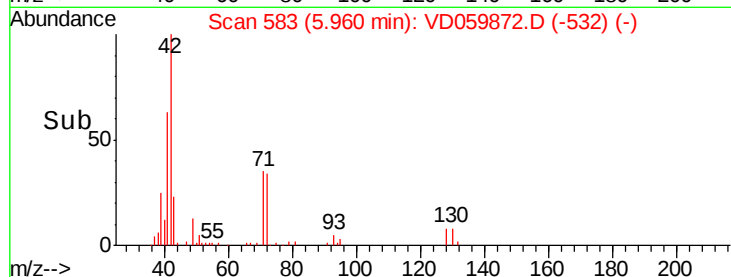
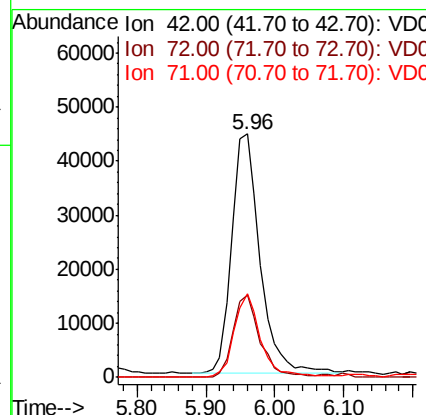
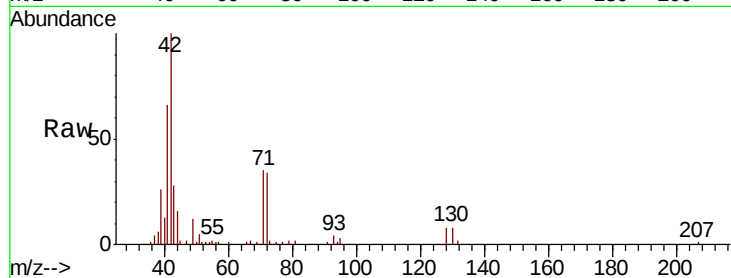
#29
Tetrahydrofuran
Concen: 49.13 ug/l
RT: 5.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.4	25.7	38.5
71	32.6	25.3	37.9

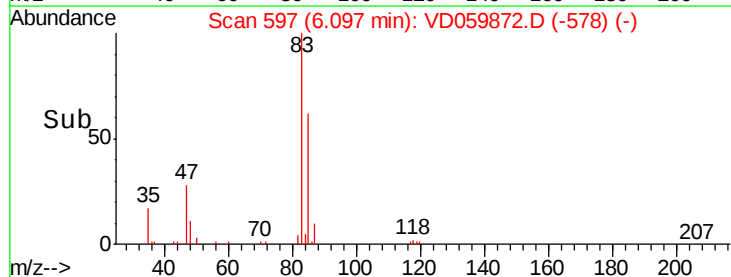
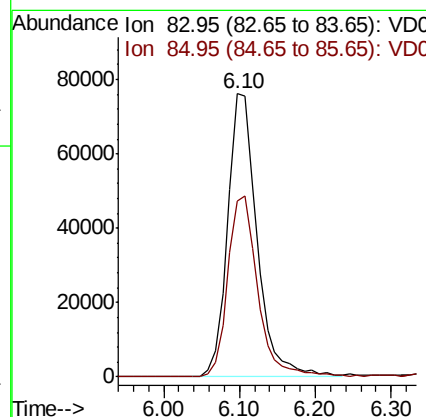
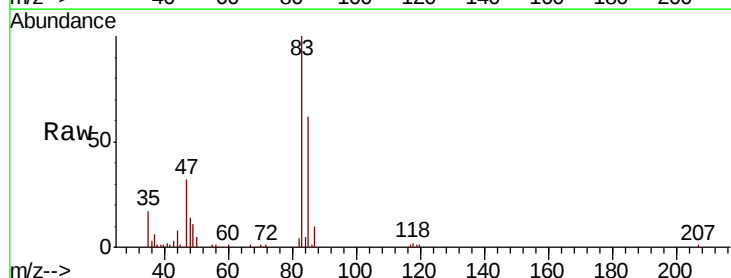
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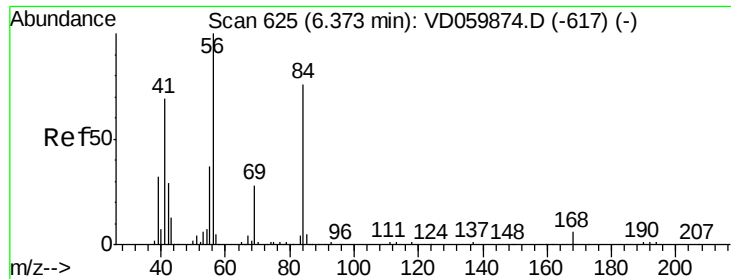
apatel
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#30
Chloroform
Concen: 9.87 ug/l
RT: 6.10 min Scan# 597
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	53.5	80.3





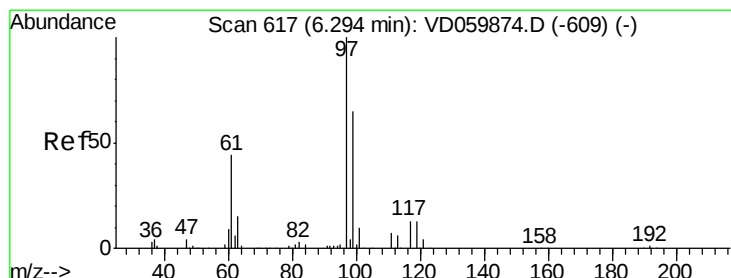
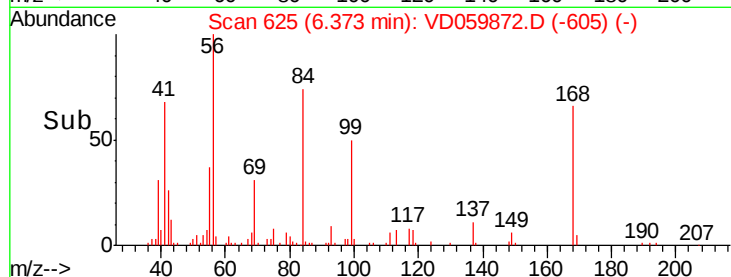
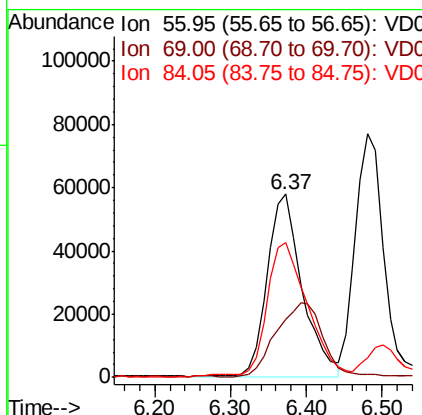
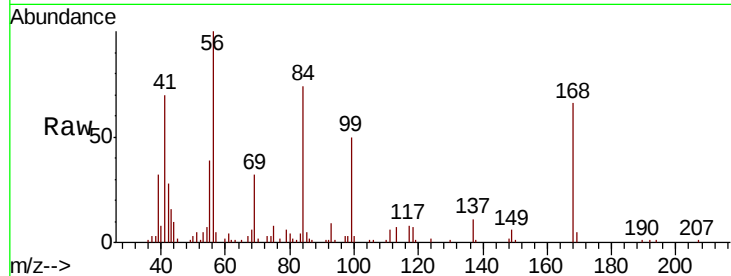
#31
Cyclohexane
Concen: 10.11 ug/l
RT: 6.37 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	22.4	33.6
84	73.6	62.1	93.1

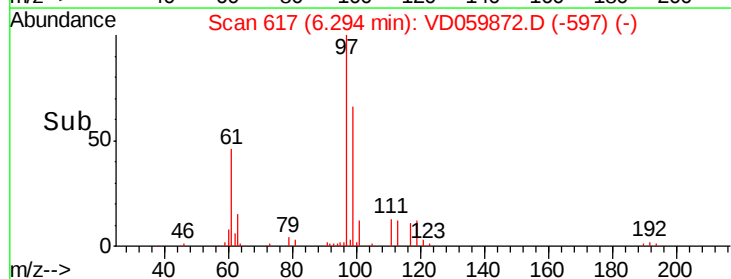
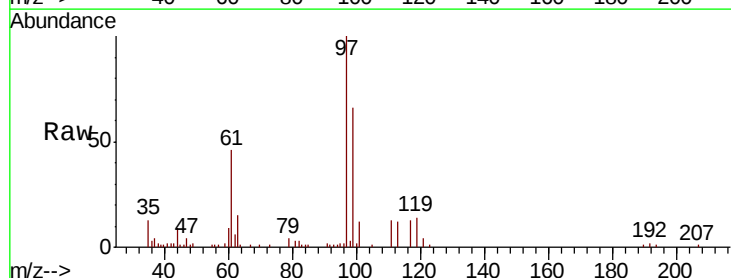
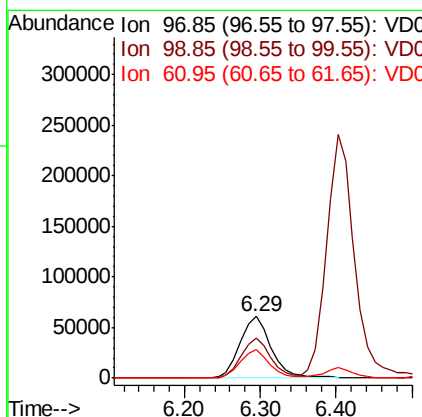
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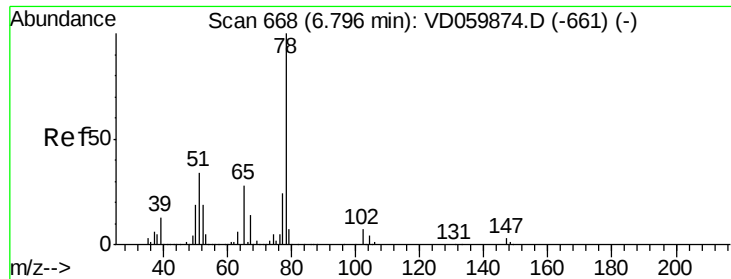
apatel
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#32
1,1,1-Trichloroethane
Concen: 9.86 ug/l
RT: 6.29 min Scan# 617
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.7	77.5
61	45.8	35.4	53.2





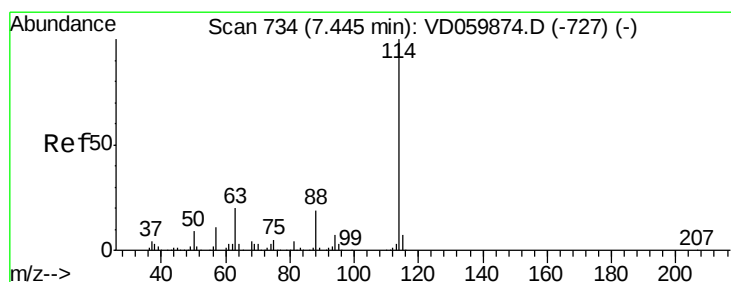
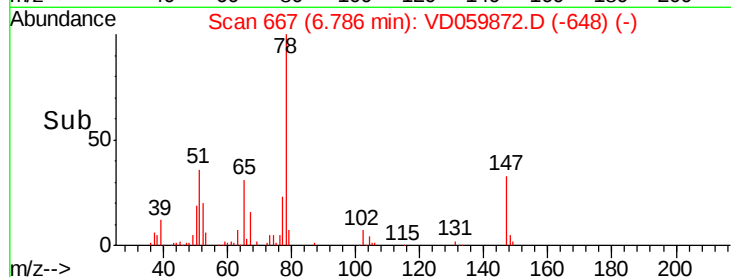
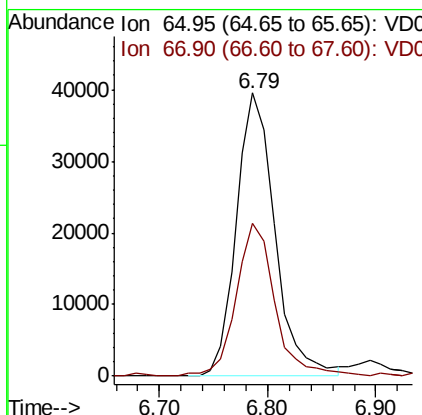
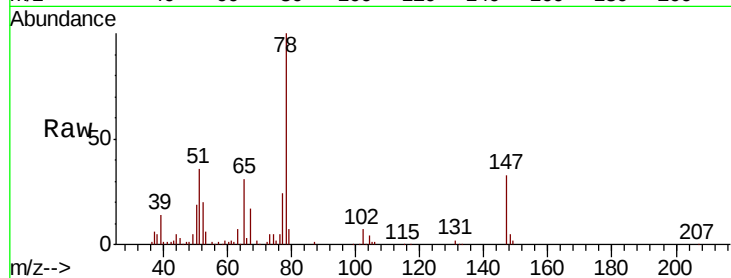
#33
 1,2-Dichloroethane-d4
 Concen: 9.86 ug/l
 RT: 6.79 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	103.8	

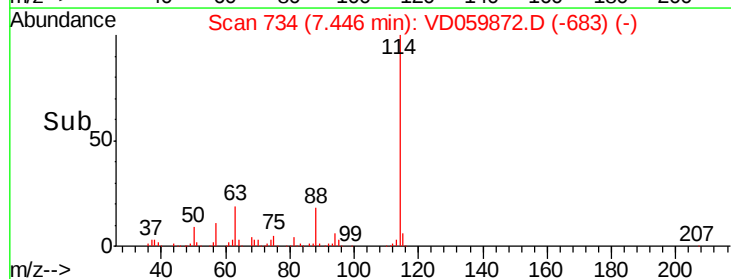
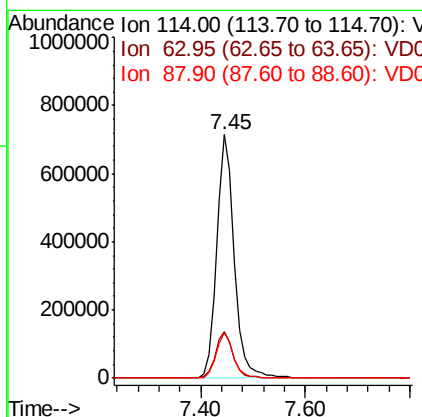
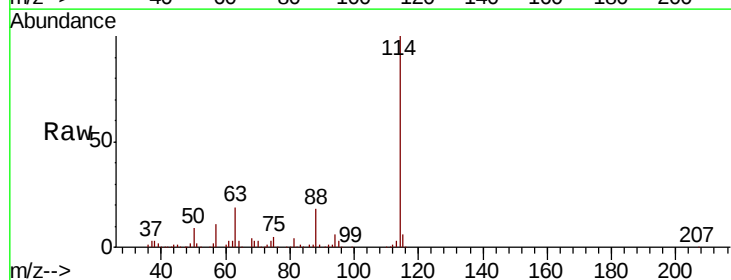
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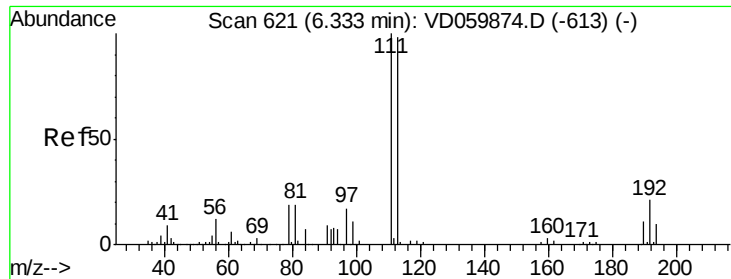
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	39.4	
88	18.5	0.0	37.6	





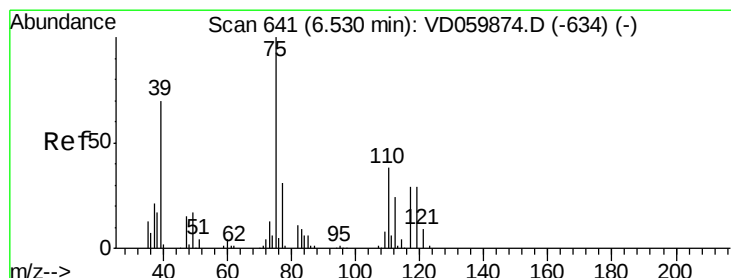
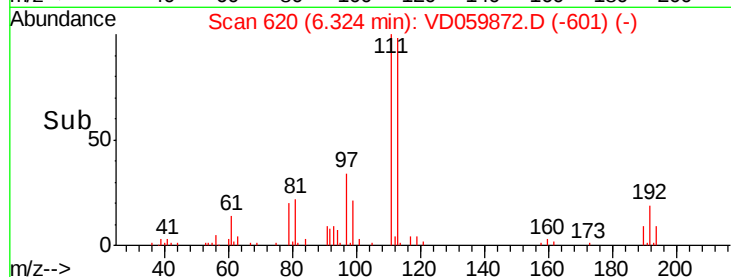
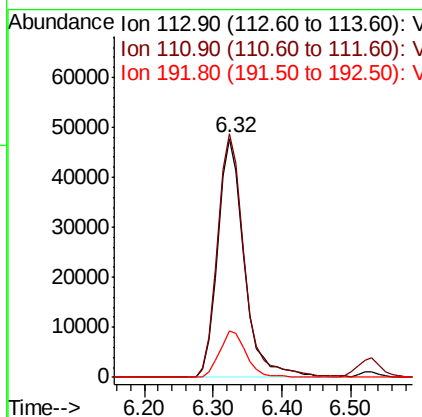
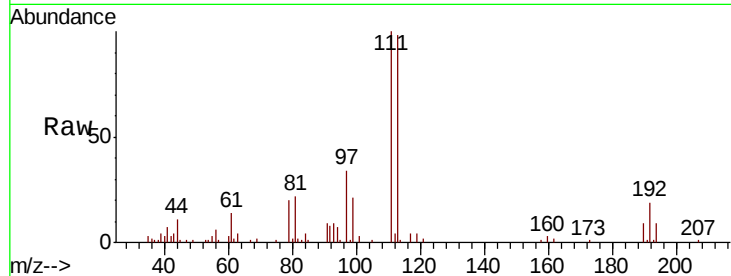
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.32 min Scan# 620
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	126804		
111	102.0		81.4	122.2
192	19.7		17.0	25.6

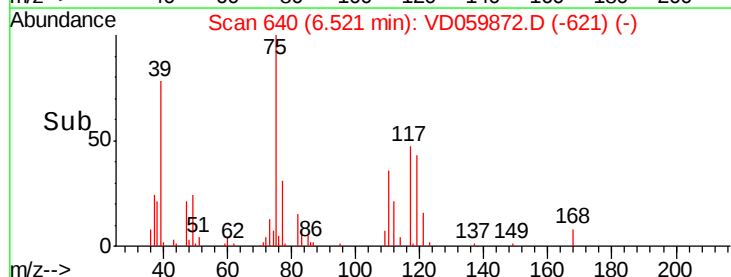
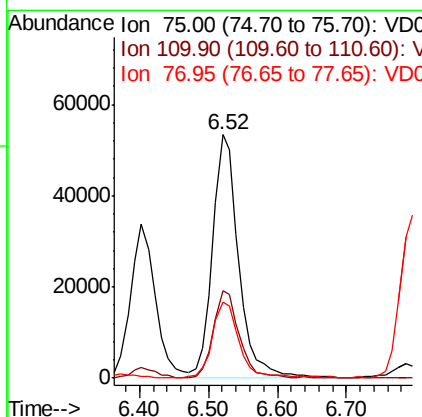
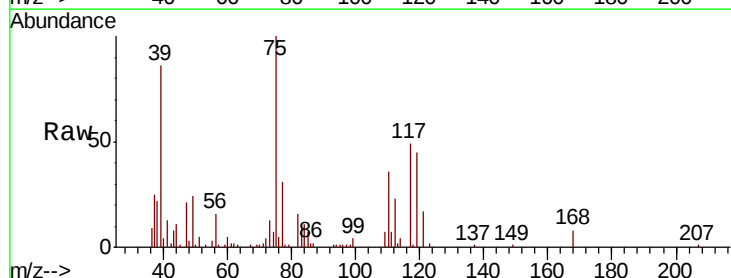
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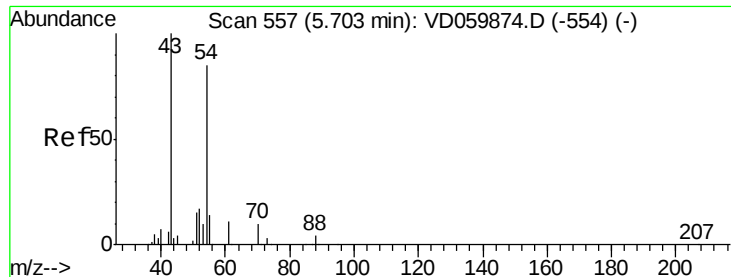
apatel
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#36
1,1-Dichloropropene
Concen: 9.58 ug/l
RT: 6.52 min Scan# 640
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	140806		
110	36.2		18.6	56.0
77	31.0		25.1	37.7





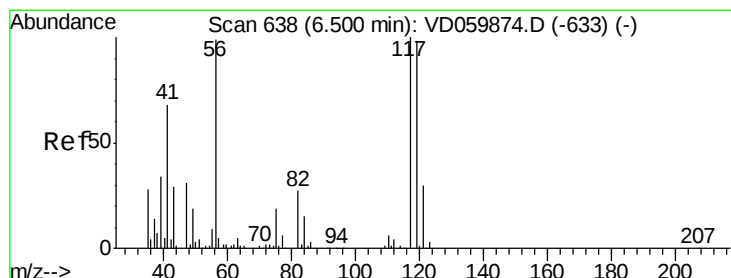
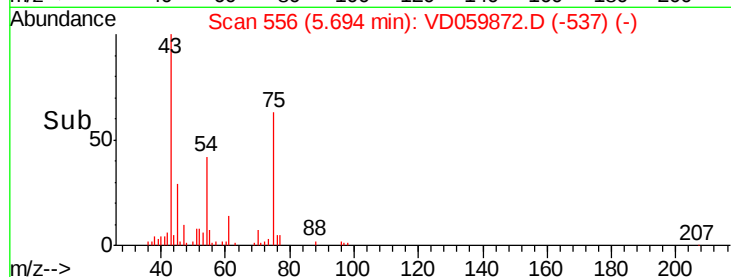
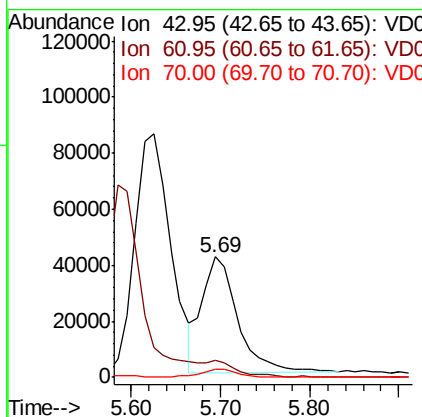
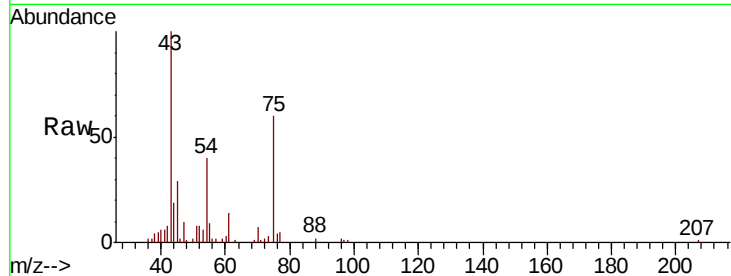
#37
Ethyl Acetate
Concen: 9.82 ug/l
RT: 5.69 min Scan# 556
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.6
70	6.5	5.7	8.5

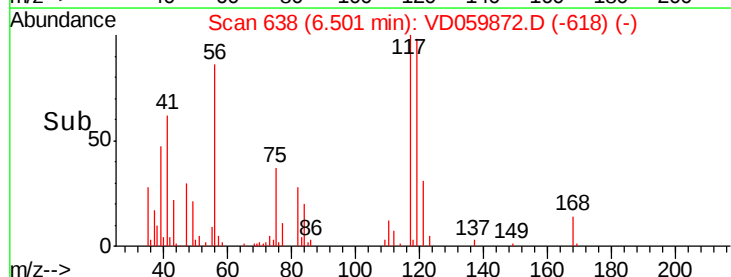
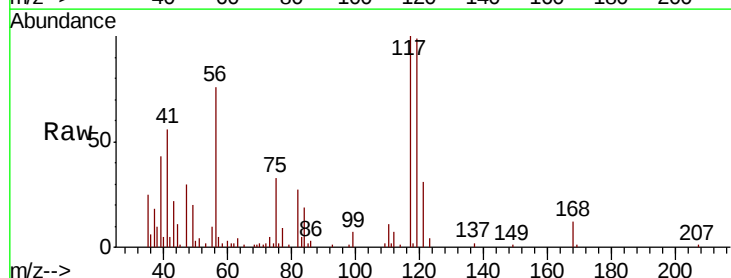
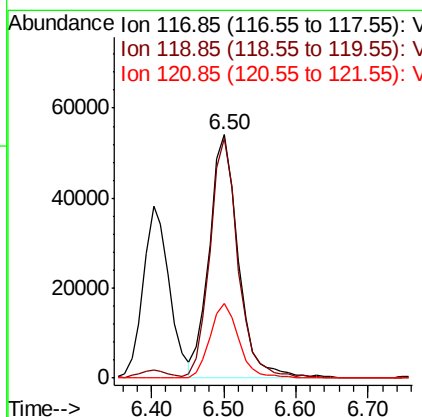
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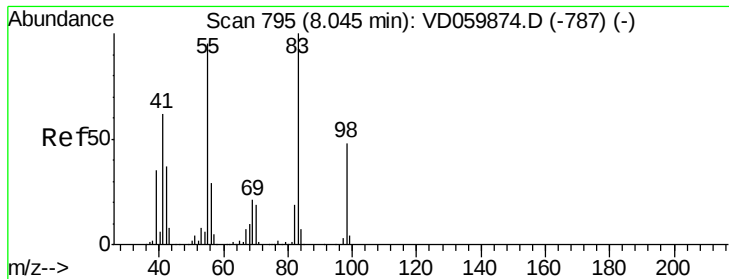
apatel
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#38
Carbon Tetrachloride
Concen: 10.09 ug/l
RT: 6.50 min Scan# 638
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	77.2	115.8
121	30.7	24.0	36.0





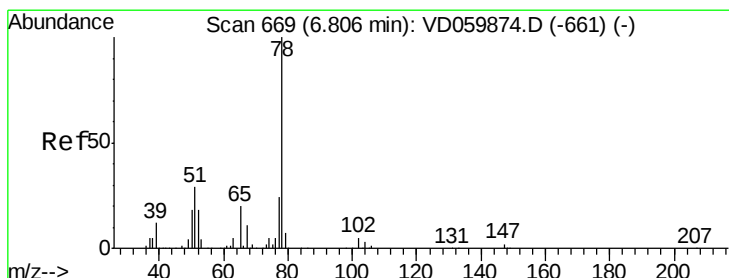
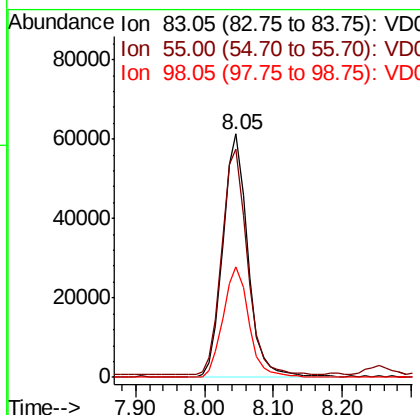
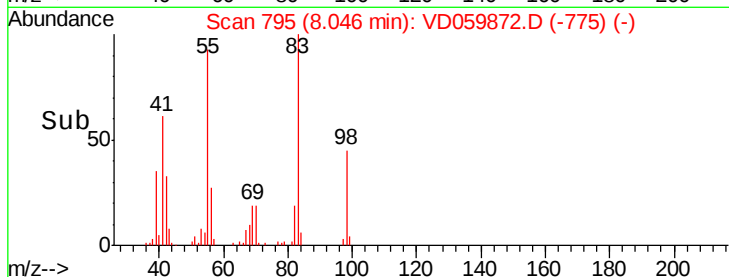
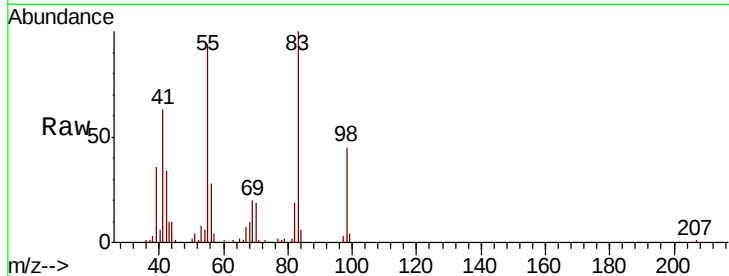
#39
Methvlcvclohexane
Concen: 9.53 ug/l
RT: 8.05 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	154686
Ion Ratio	Lower	Upper	
83	100		
55	94.0	75.8	113.6
98	45.4	38.3	57.5

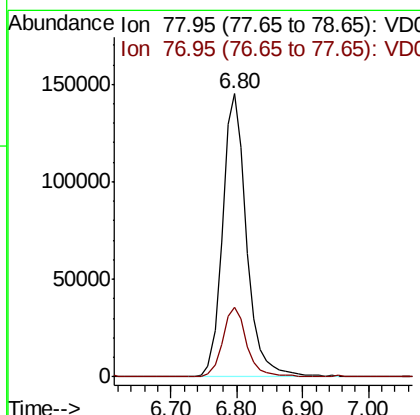
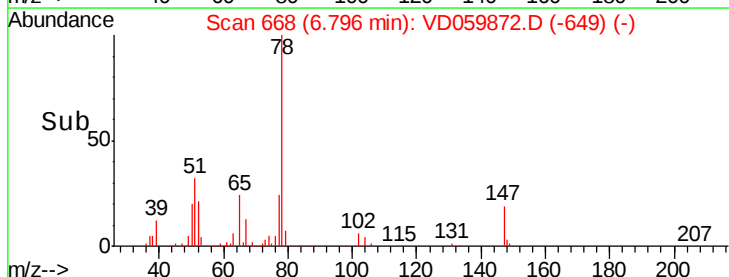
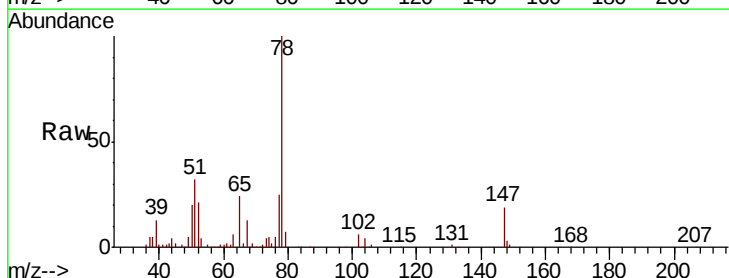
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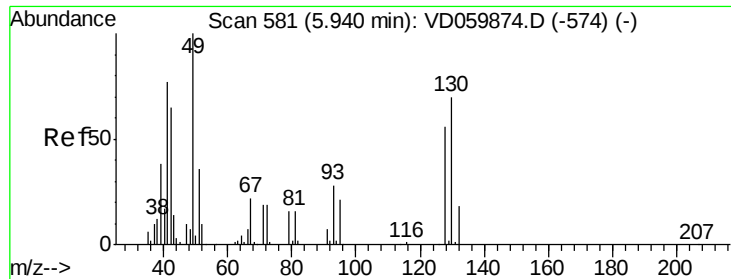
apatel
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#40
Benzene
Concen: 9.61 ug/l
RT: 6.80 min Scan# 668
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	78	Resp	370385
Ion Ratio	Lower	Upper	
78	100		
77	24.6	19.0	28.4





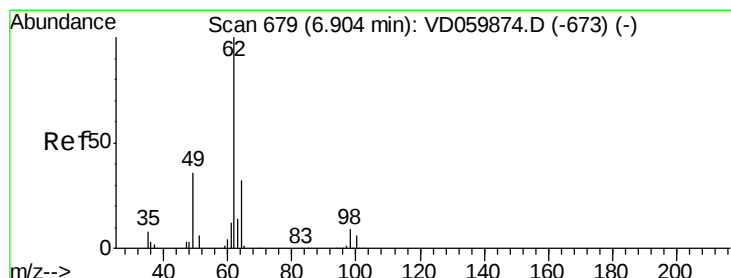
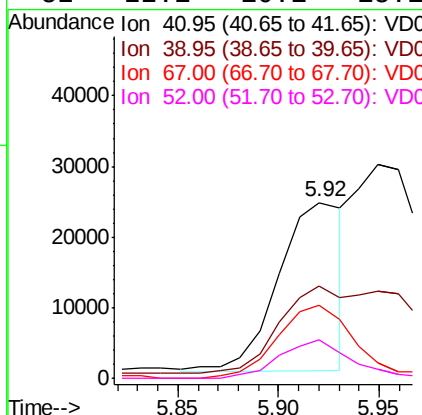
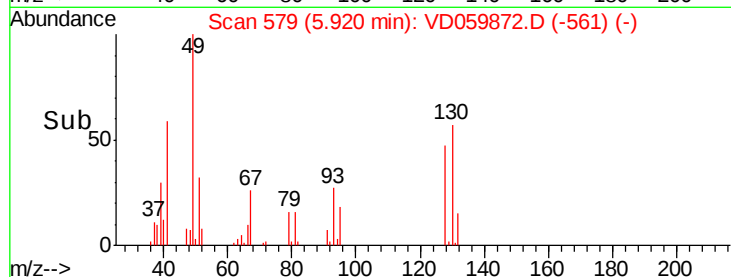
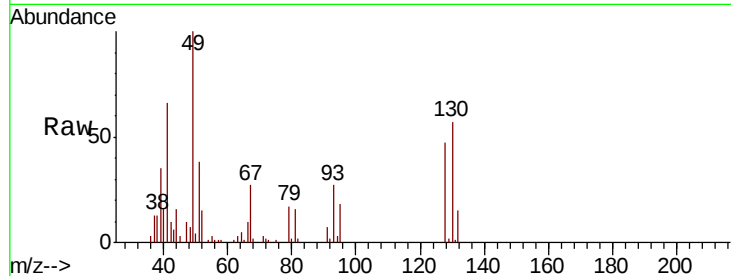
#41
Methacrylonitrile
Concen: 5.08 ug/l m
RT: 5.92 min Scan# 579
Delta R.T. -0.02 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.8	39.4	59.2
67	41.7	22.2	33.2#
52	22.1	10.1	15.1#

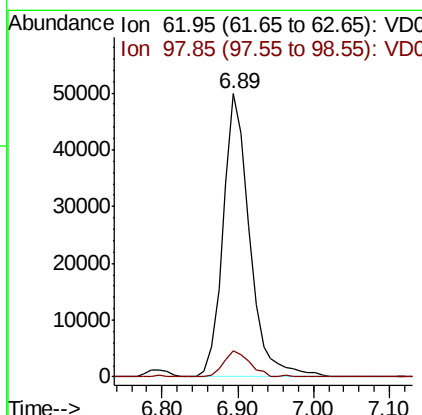
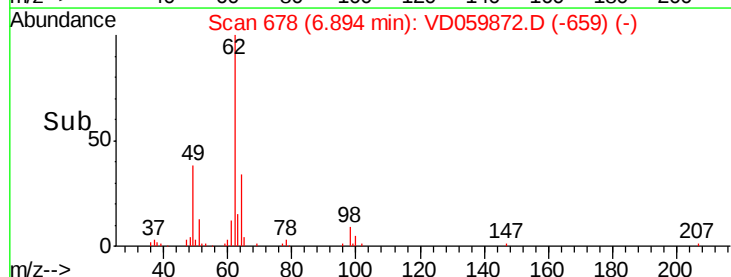
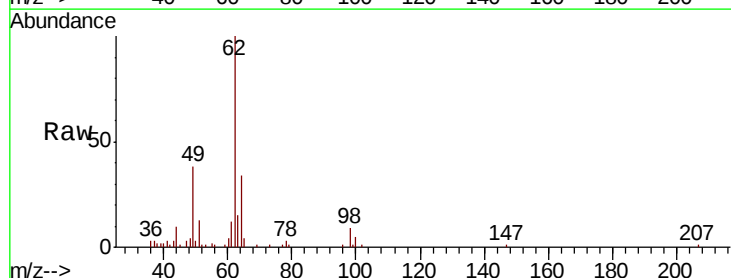
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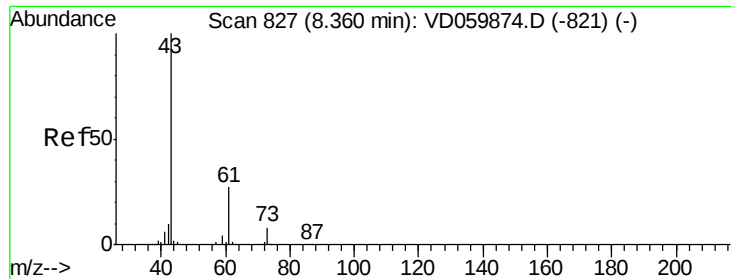
apatel
8/23/2018 10:52:33 AM



#42
1,2-Dichloroethane
Concen: 9.58 ug/l
RT: 6.89 min Scan# 678
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.4





#43

Isopropyl Acetate

Concen: 9.53 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

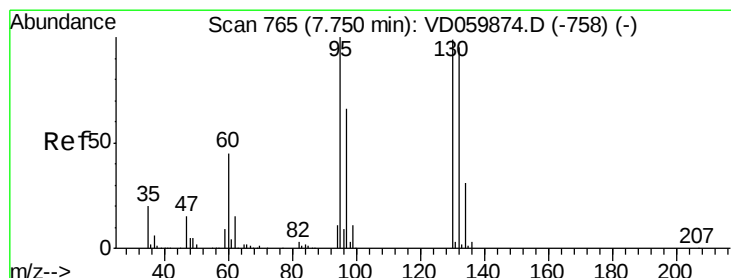
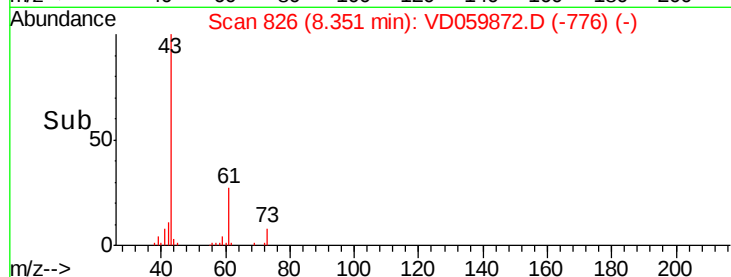
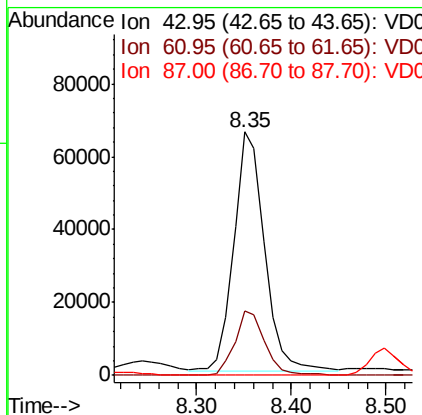
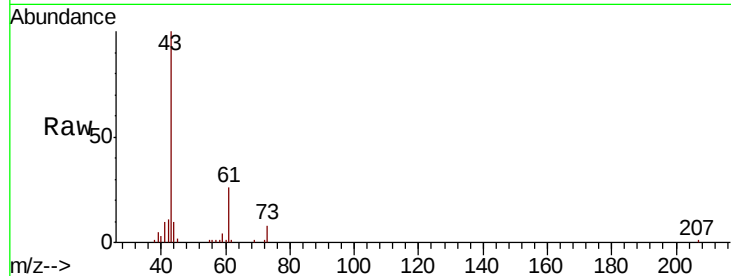
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	147762
Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.4	32.2
87	0.0	0.2	0.4

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#44

Trichloroethene

Concen: 9.50 ug/l

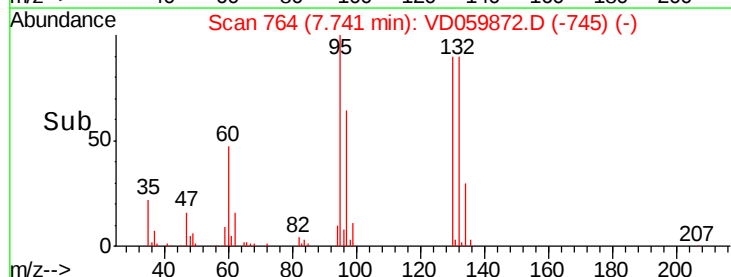
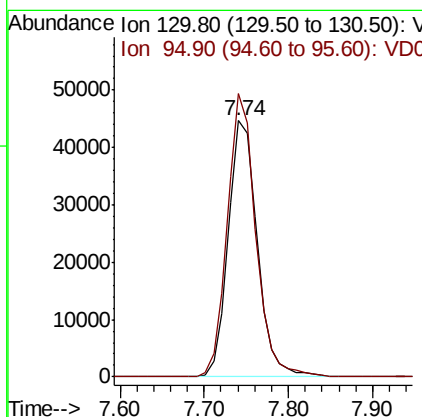
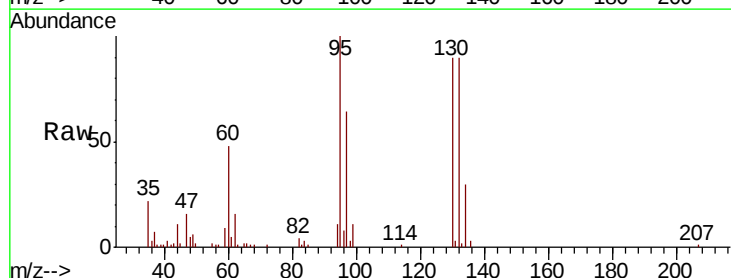
RT: 7.74 min Scan# 764

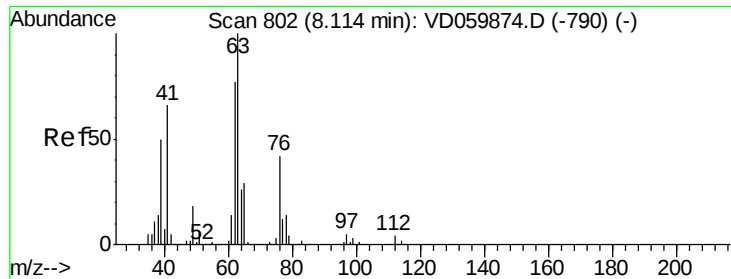
Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Tgt Ion:	130	Resp:	107487
Ion	Ratio	Lower	Upper
130	100		
95	110.5	0.0	202.0





#45

1,2-Dichloropropane

Concen: 9.81 ug/l

RT: 8.10 min Scan# 801

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 107004

Ion Ratio Lower Upper

63 100

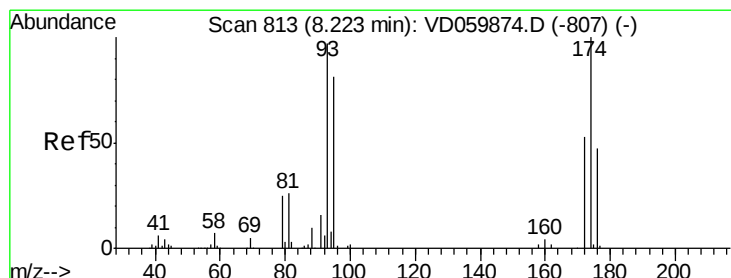
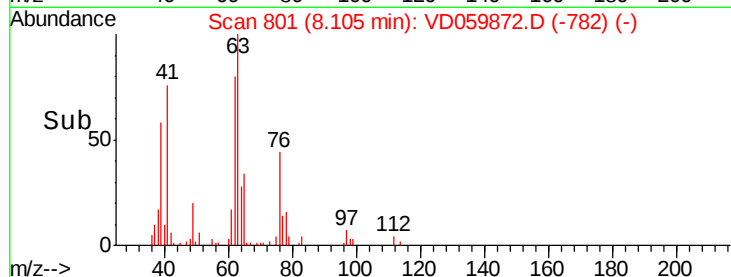
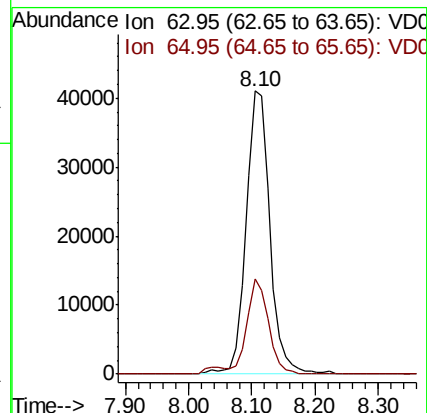
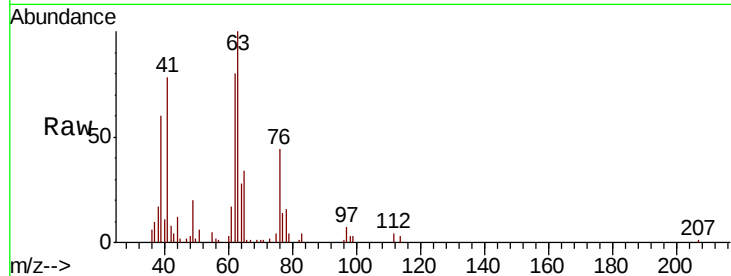
65 33.5 23.5 35.3

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#46

Dibromomethane

Concen: 9.63 ug/l

RT: 8.22 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

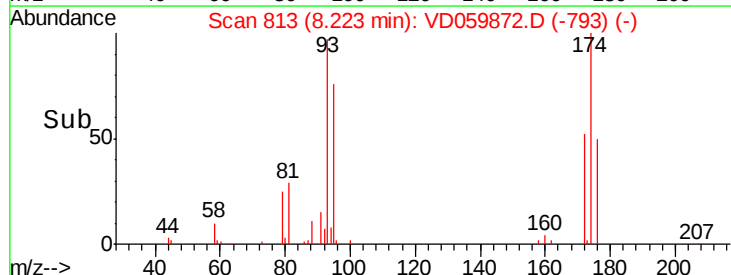
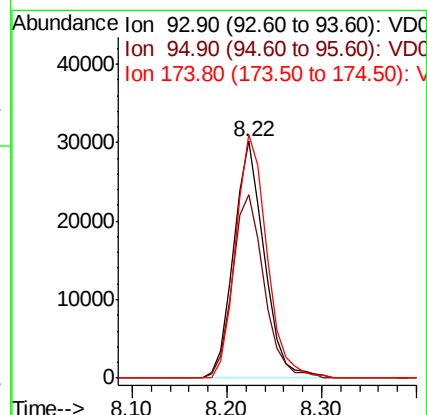
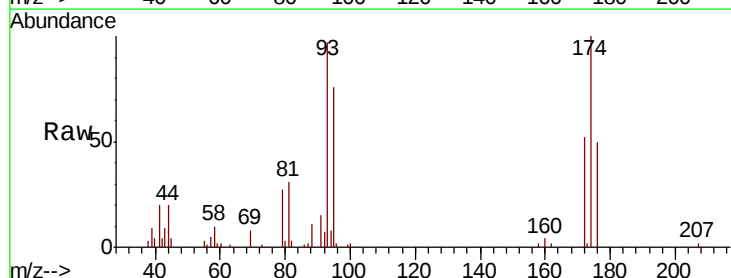
Tgt Ion: 93 Resp: 67321

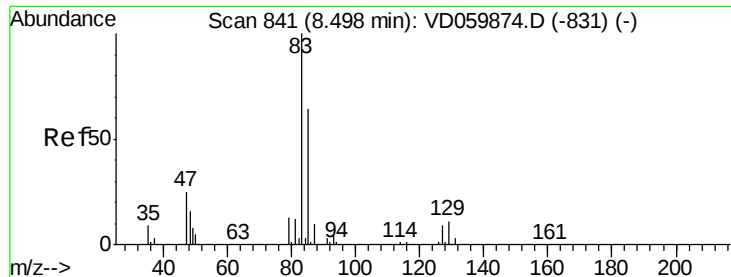
Ion Ratio Lower Upper

93 100

95 77.7 66.6 100.0

174 102.8 82.4 123.6





#47

Bromodichloromethane

Concen: 9.83 ug/l

RT: 8.50 min Scan# 841

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

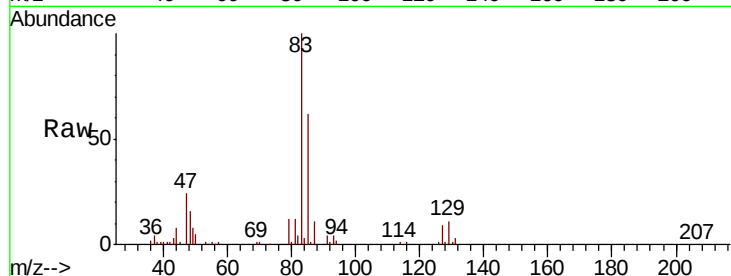
ClientSampleId :

VSTDIC010

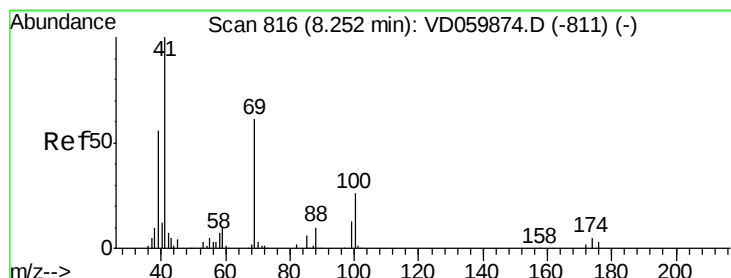
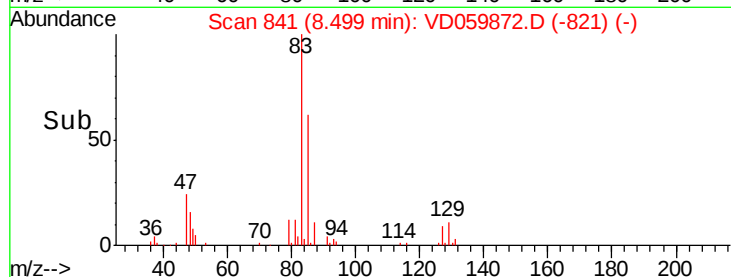
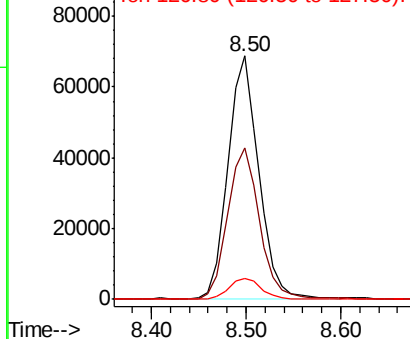
Tot Ion:	83	Resp:	155418
Ion Ratio	Lower	Upper	
83	100		
85	62.4	51.3	76.9
127	8.6	7.0	10.4

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



#48

Methyl methacrylate

Concen: 9.89 ug/l

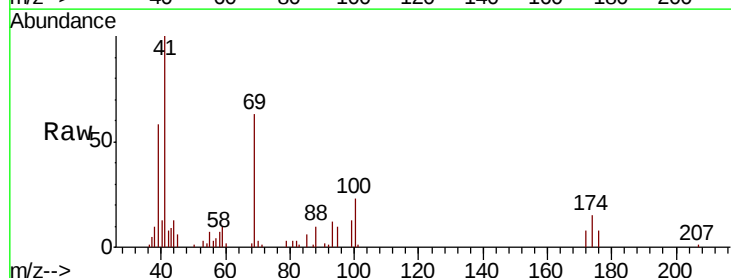
RT: 8.25 min Scan# 816

Delta R.T. 0.00 min

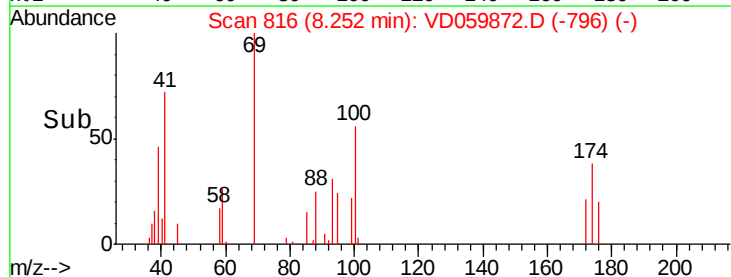
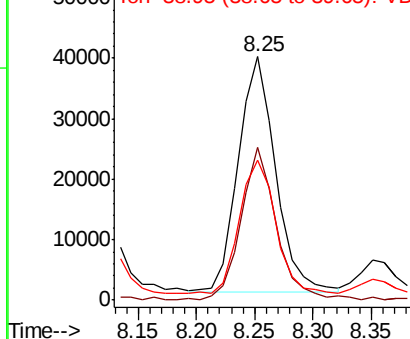
Lab File: VD059872.D

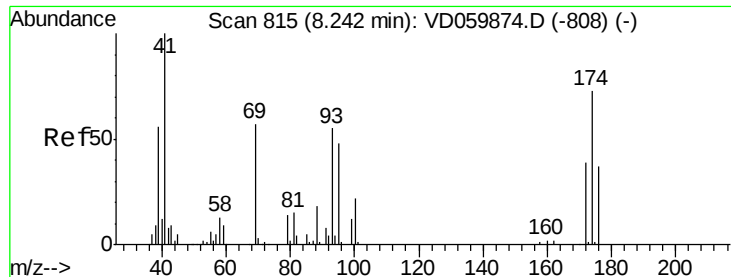
Acq: 22 Aug 2018 13:12

Tgt Ion:	41	Resp:	86349
Ion Ratio	Lower	Upper	
41	100		
69	62.5	48.0	72.0
39	57.6	45.4	68.0



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





#49

1,4-Dioxane

Concen: 197.90 ug/l

RT: 8.23 min Scan# 814

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 88 Resp: 15748

Ion Ratio Lower Upper

88 100

43 69.4 45.0 67.6#

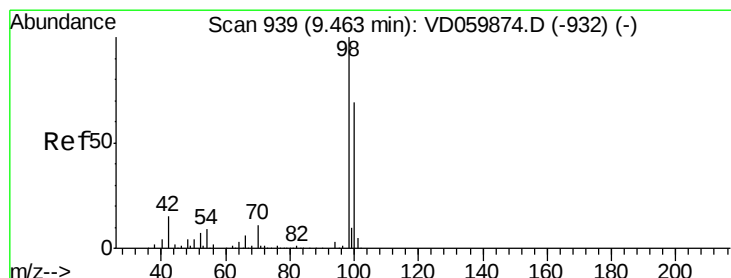
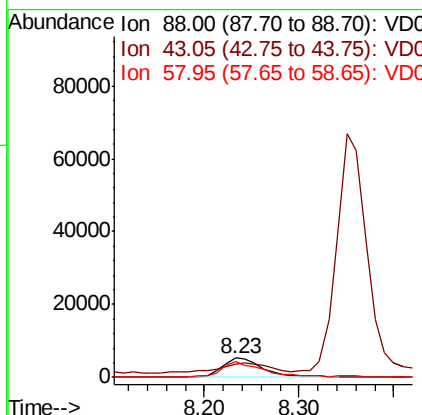
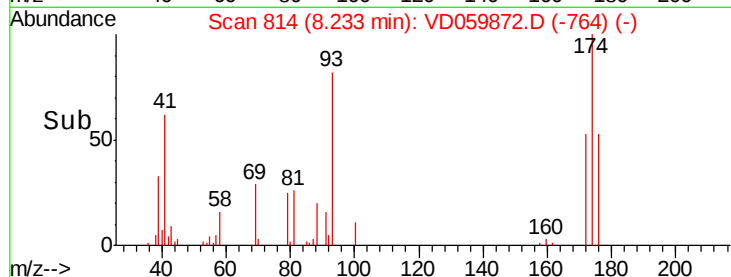
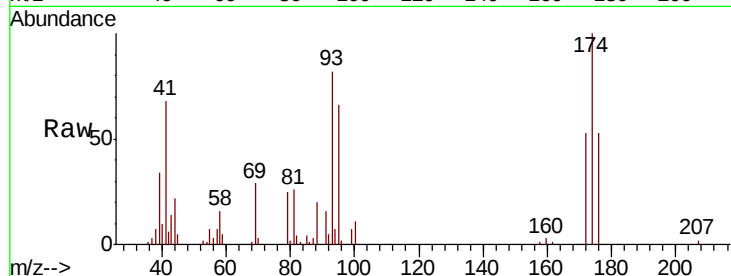
58 79.5 55.8 83.8

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#50

Toluene-d8

Concen: 197.90 ug/l

RT: 9.46 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD059872.D

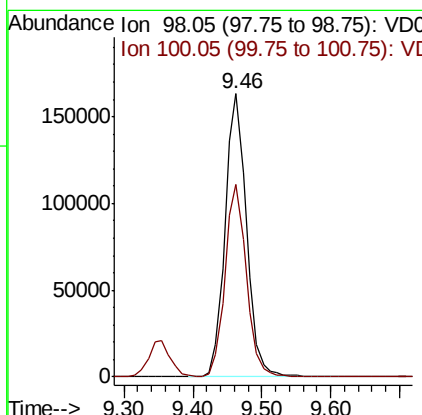
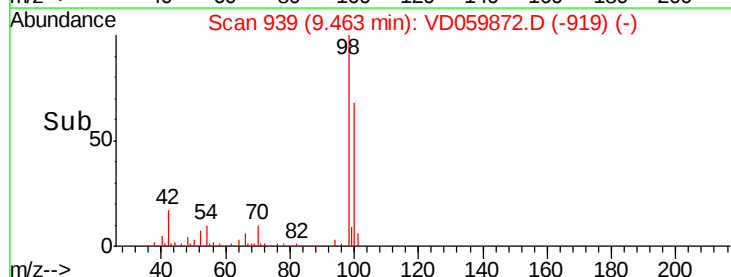
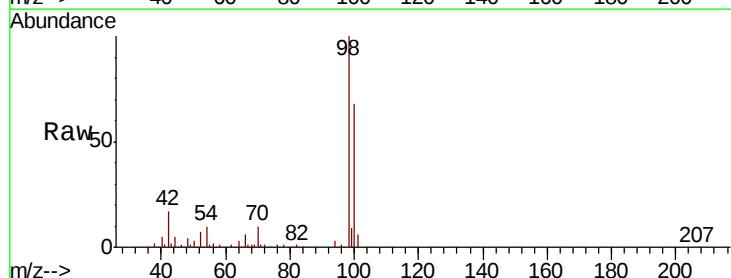
Acq: 22 Aug 2018 13:12

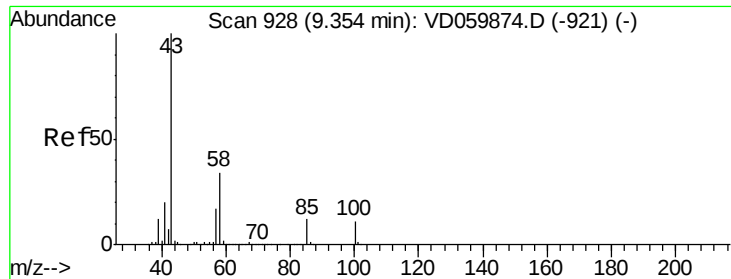
Tgt Ion: 98 Resp: 351178

Ion Ratio Lower Upper

98 100

100 67.8 55.8 83.6





#51

4-Methyl-2-Pentanone

Concen: 46.63 ug/l

RT: 9.34 min Scan# 927

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC010

Tot Ion: 43 Resp: 502396

Ion Ratio Lower Upper

43 100

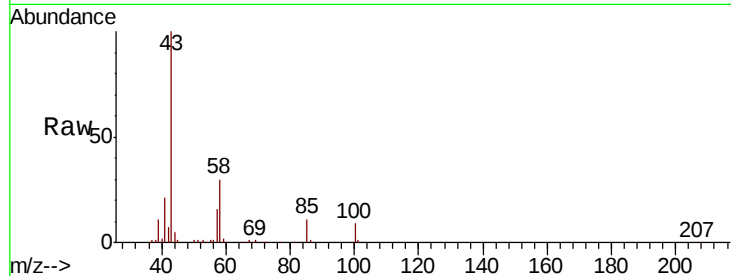
58 29.8 27.0 40.4

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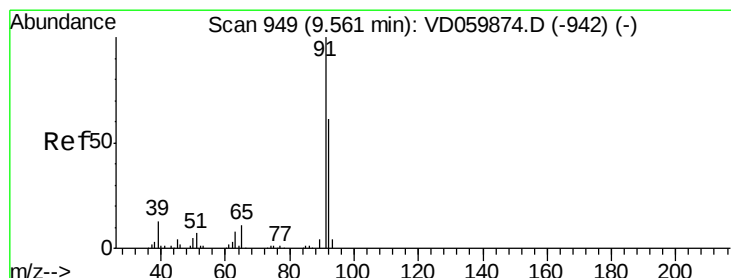
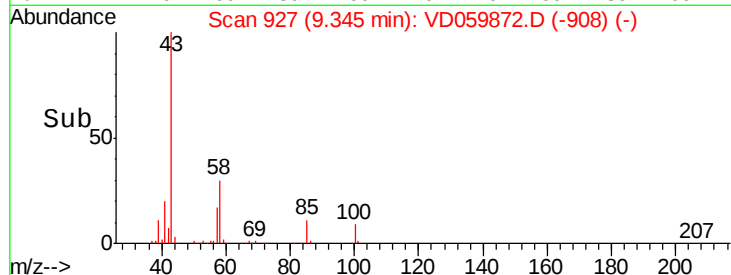
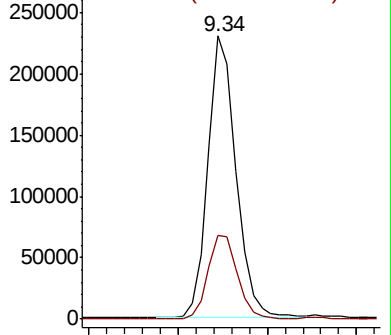
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 9.70 ug/l

RT: 9.55 min Scan# 948

Delta R.T. -0.01 min

Lab File: VD059872.D

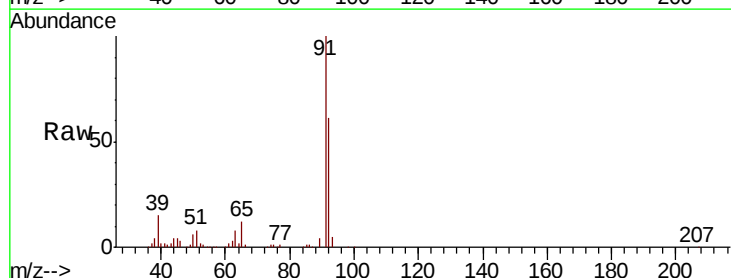
Acq: 22 Aug 2018 13:12

Tgt Ion: 92 Resp: 240589

Ion Ratio Lower Upper

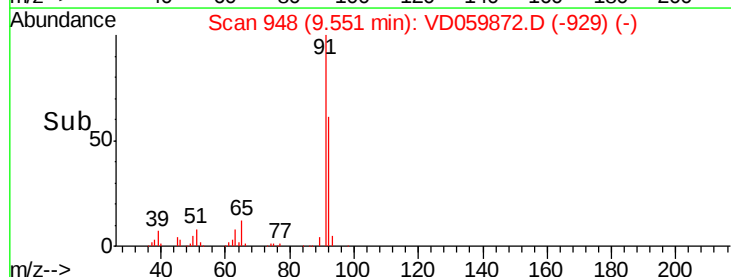
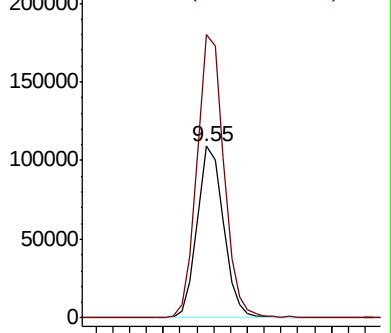
92 100

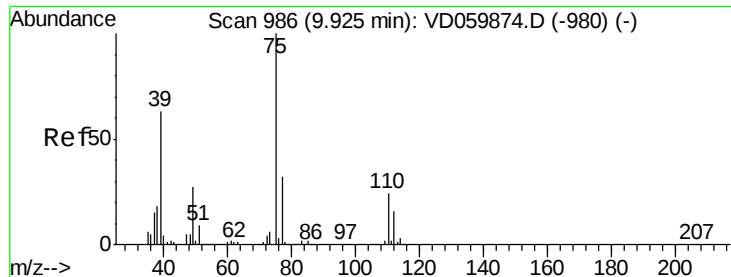
91 164.7 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 9.79 ug/l

RT: 9.93 min Scan# 986

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Tot Ion: 75 Resp: 143595

Ion Ratio Lower Upper

75 100

77 33.2 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

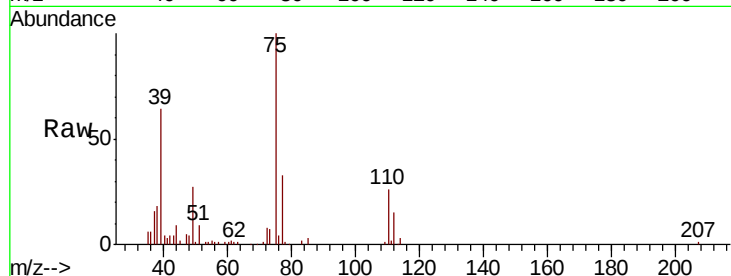
VSTDIC010

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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

80000

60000

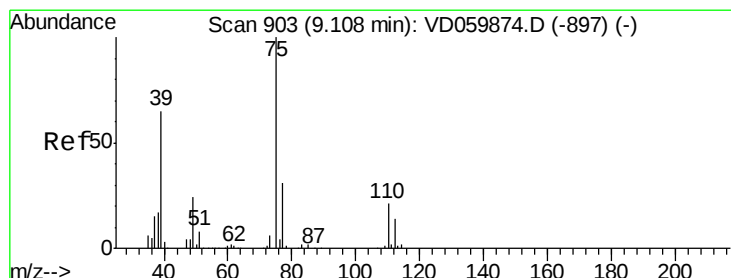
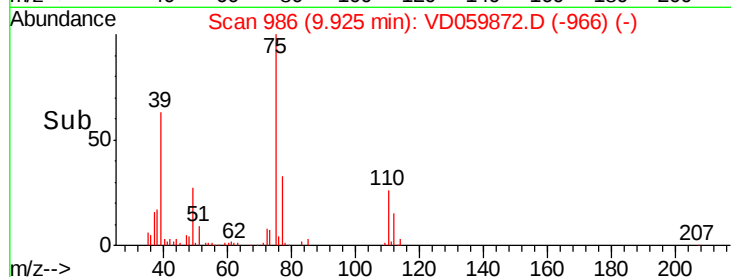
40000

20000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 9.83 ug/l

RT: 9.11 min Scan# 903

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

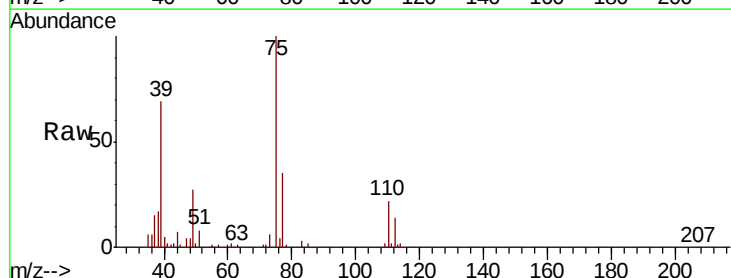
Tgt Ion: 75 Resp: 167832

Ion Ratio Lower Upper

75 100

77 34.8 24.8 37.2

39 69.5 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

100000

80000

60000

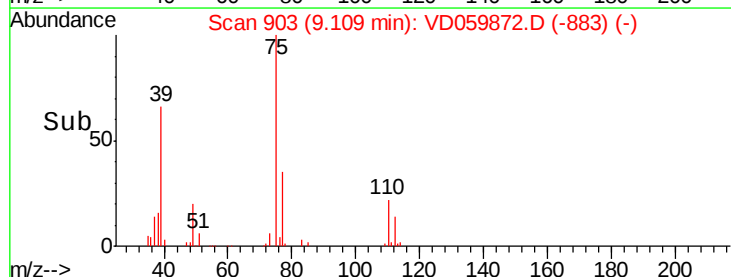
40000

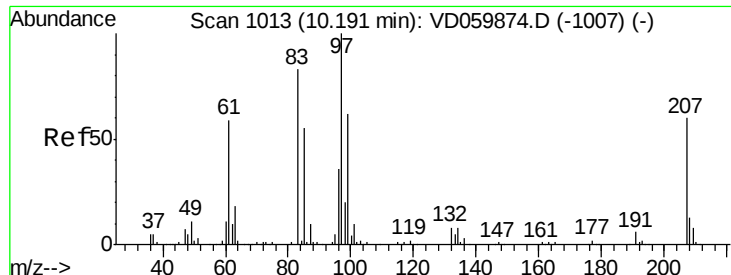
20000

0

9.00 9.10 9.20

Time-->





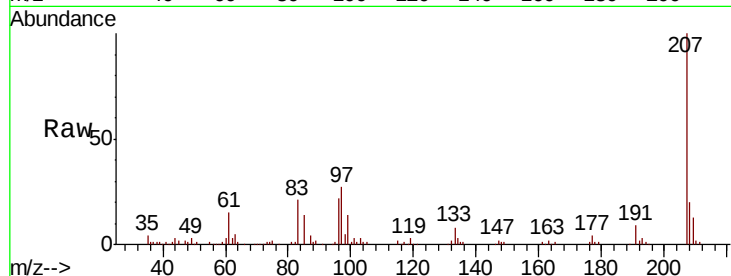
#55
 1,1,2-Trichloroethane
 Concen: 10.30 ug/l
 RT: 10.19 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

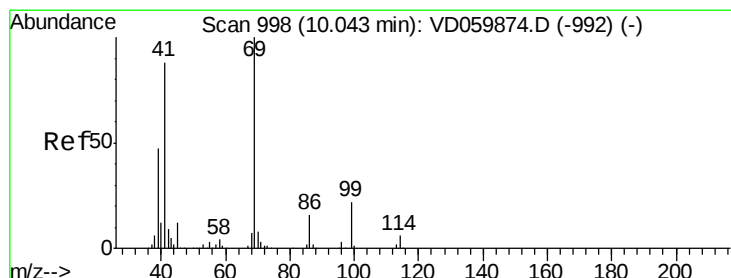
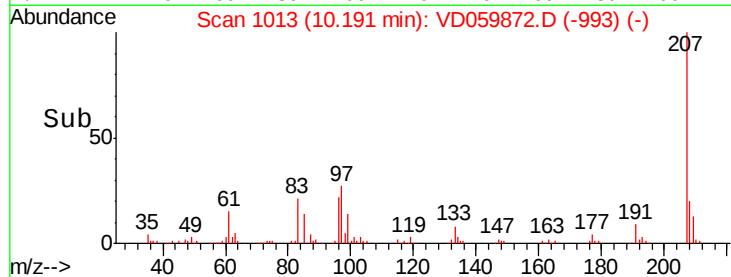
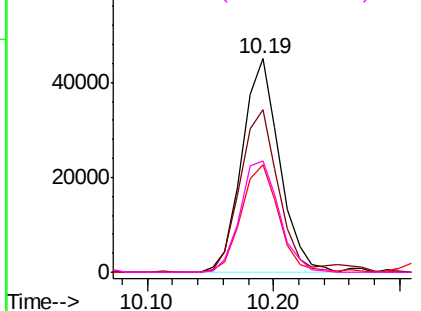
Tot Ion	97	Resp	93001
Ion Ratio	Lower	Upper	
97	100		
83	76.0	66.7	100.1
85	50.4	43.8	65.6
99	52.2	49.8	74.6

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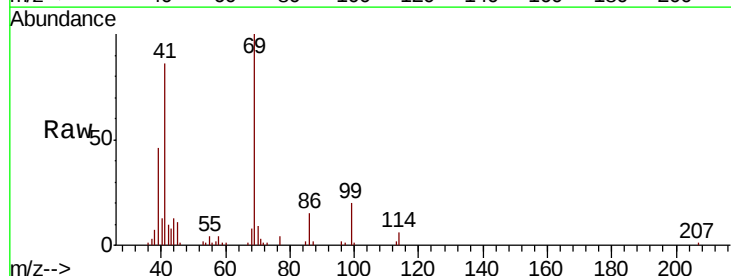


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

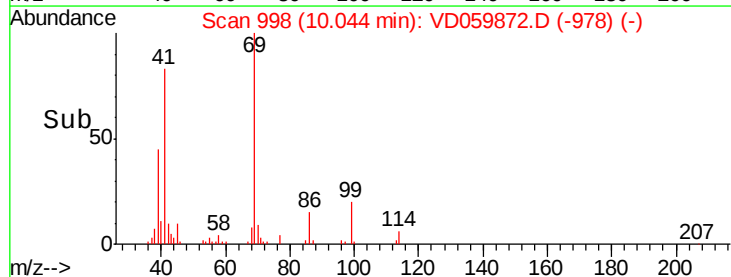
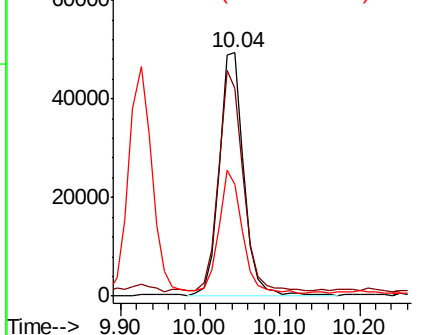


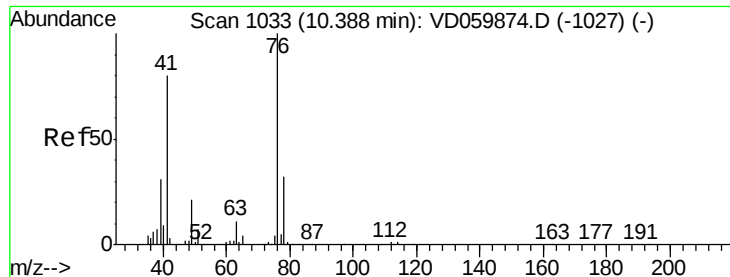
#56
 Ethyl methacrylate
 Concen: 10.01 ug/l
 RT: 10.04 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion	69	Resp	107571
Ion Ratio	Lower	Upper	
69	100		
41	85.5	71.0	106.4
39	46.0	38.5	57.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





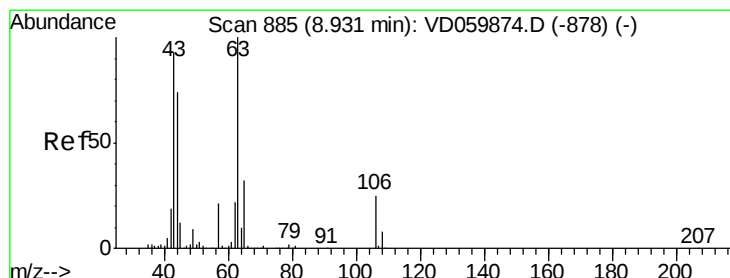
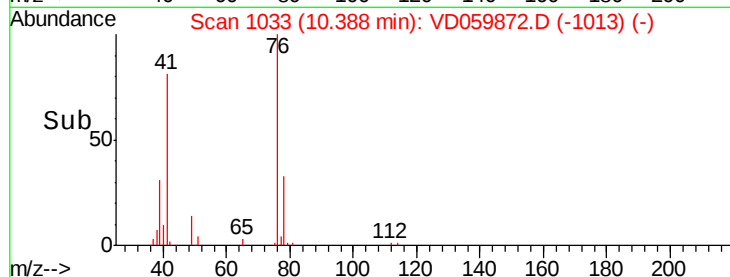
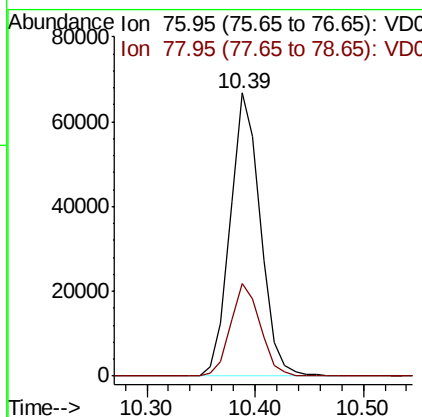
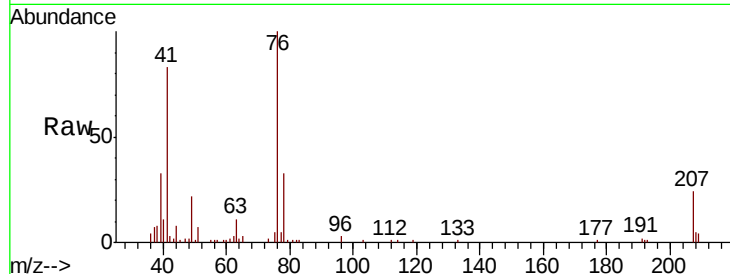
#57
 1,3-Dichloropropane
 Concen: 9.77 ug/l
 RT: 10.39 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.6

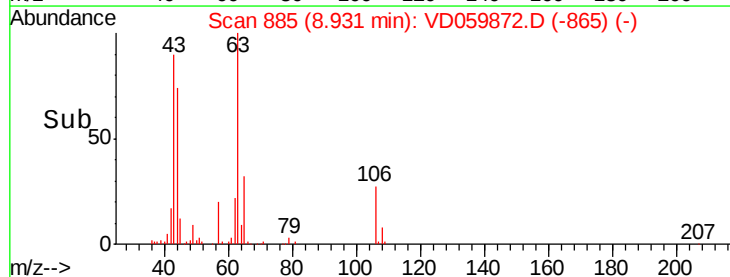
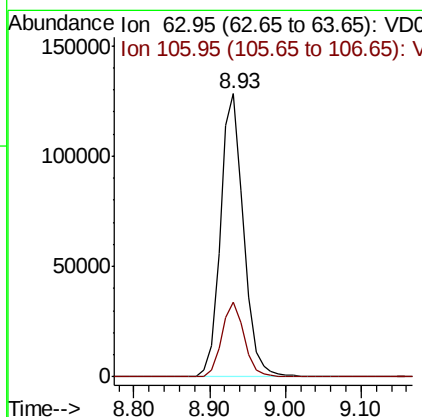
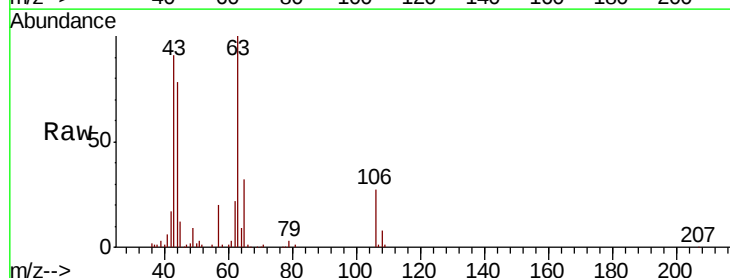
Manual Integrations
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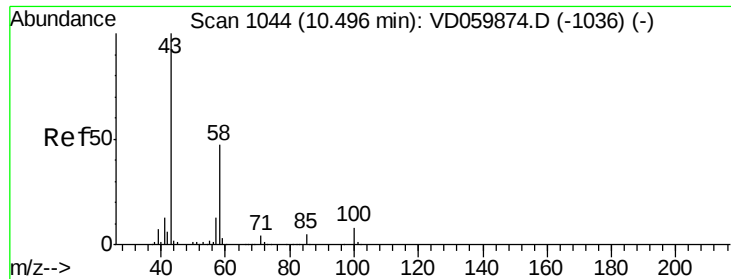
apatel
 8/23/2018 10:52:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 52.87 ug/l
 RT: 8.93 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	20.1	30.1





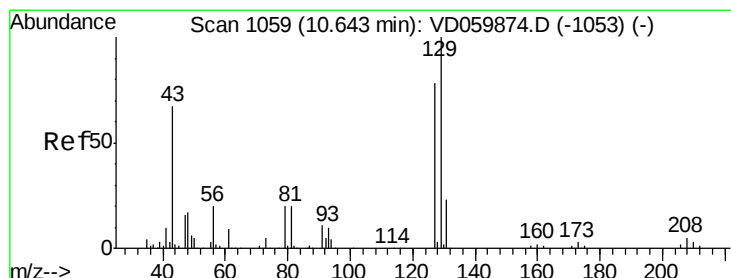
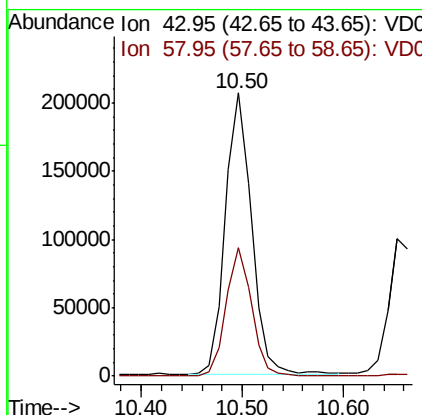
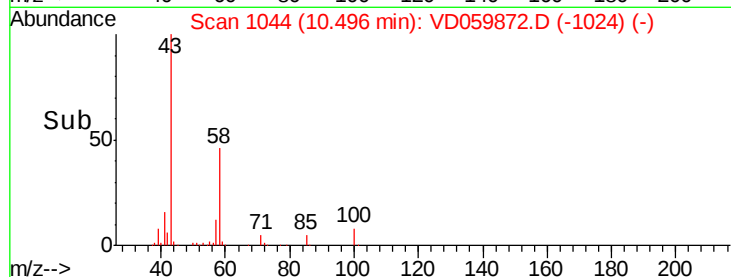
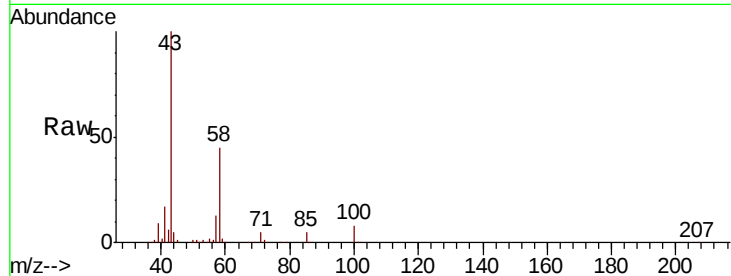
#59
2-Hexanone
Concen: 47.27 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 369370
Ion Ratio Lower Upper
43 100
58 45.2 23.3 69.8

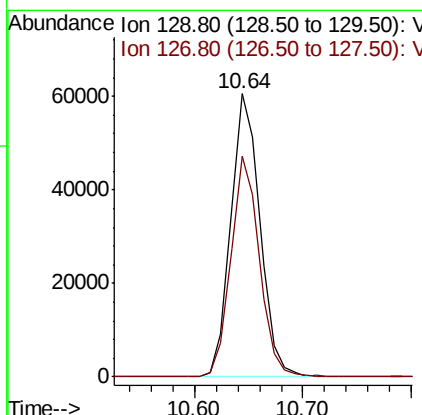
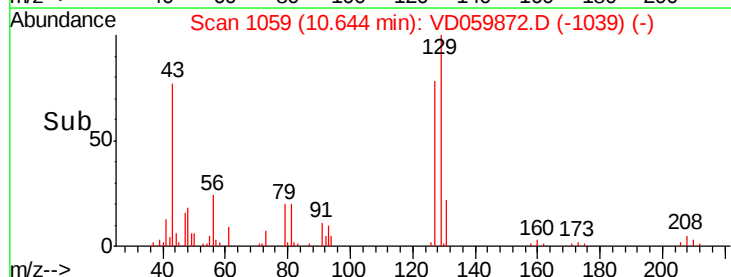
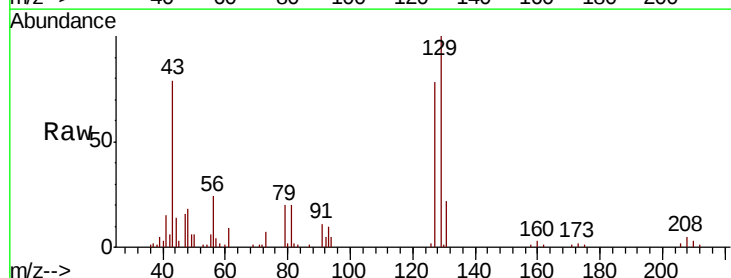
Manual Integrations
APPROVED

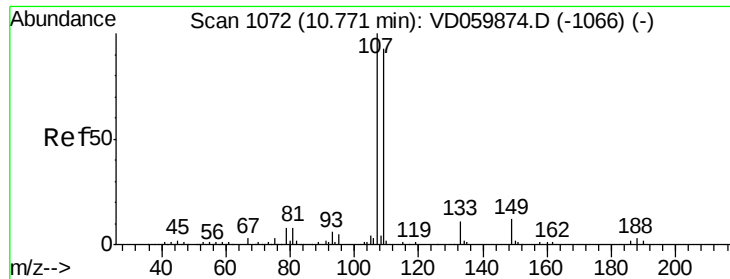
apatel
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#60
Dibromochloromethane
Concen: 9.86 ug/l
RT: 10.64 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion: 129 Resp: 113412
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 9.69 ug/l

RT: 10.76 min Scan# 1071

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion:107 Resp: 90278

Ion Ratio Lower Upper

107 100

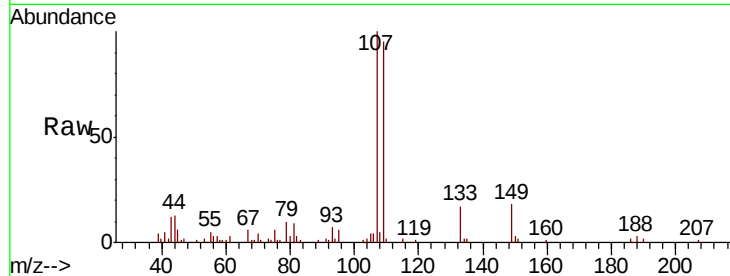
109 94.7 74.6 112.0

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76

50000

40000

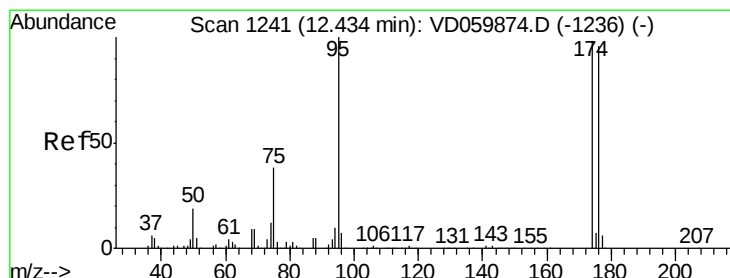
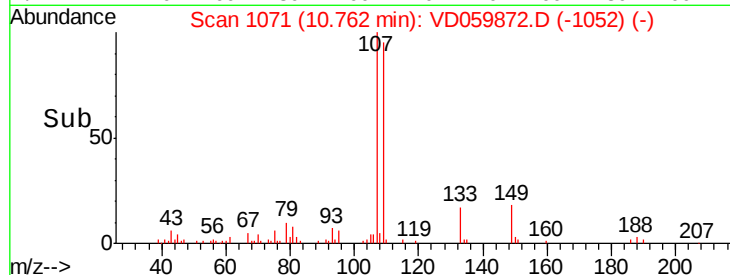
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 9.69 ug/l

RT: 12.43 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

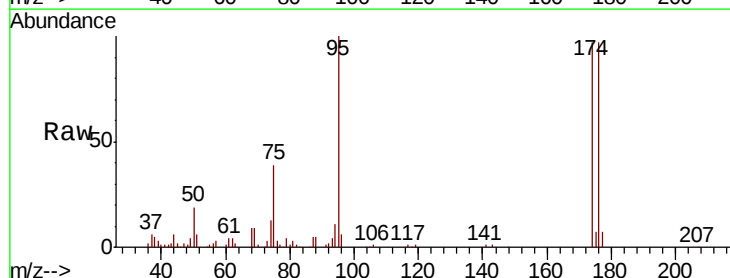
Tgt Ion: 95 Resp: 146770

Ion Ratio Lower Upper

95 100

174 96.9 0.0 195.6

176 97.0 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

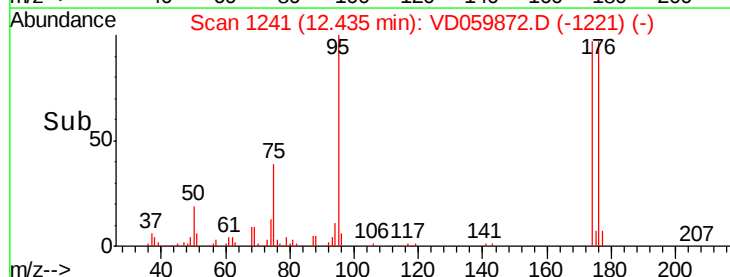
12.43

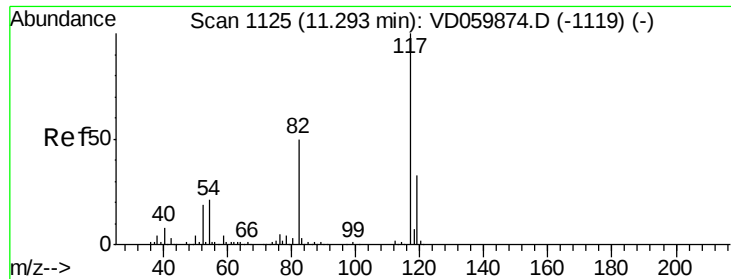
100000

50000

0

Time-->





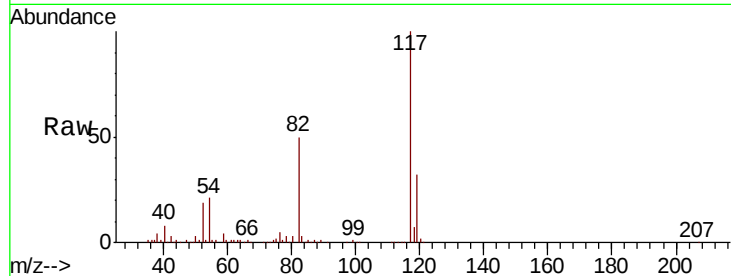
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	40.1	60.1
119	32.2	26.7	40.1

Manual Integrations
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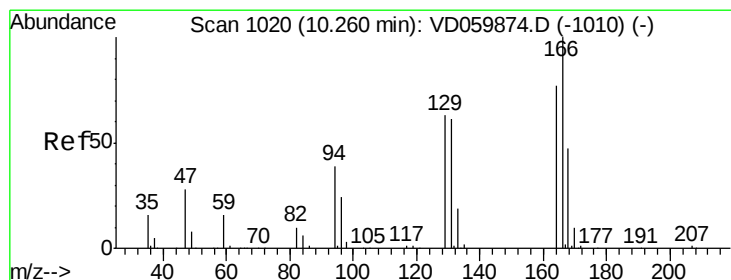
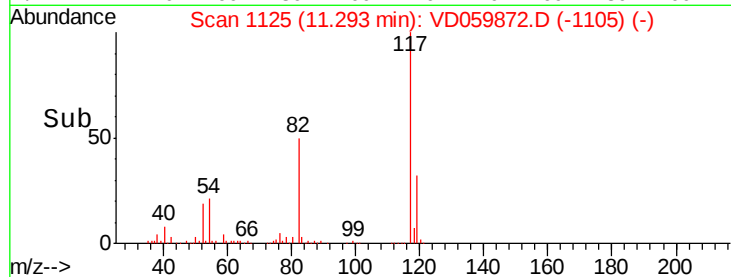
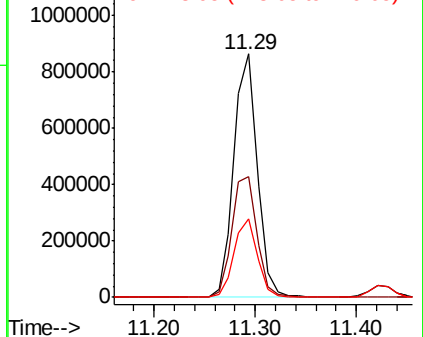


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 9.54 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	103.4	155.2
129	80.5	65.2	97.8
131	78.2	63.1	94.7

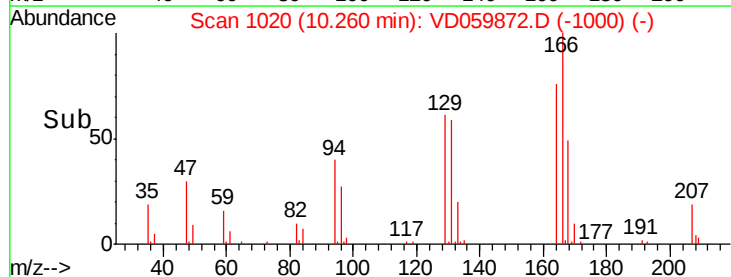
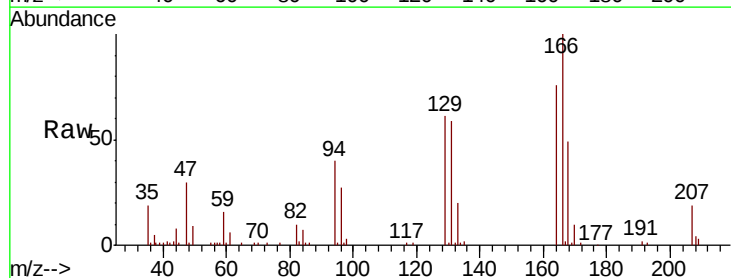
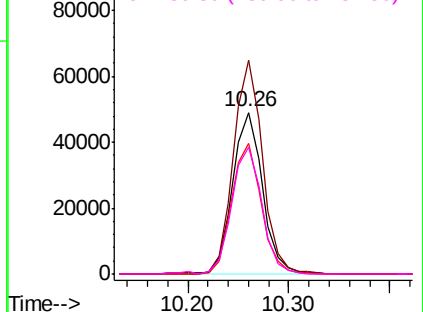
Abundance

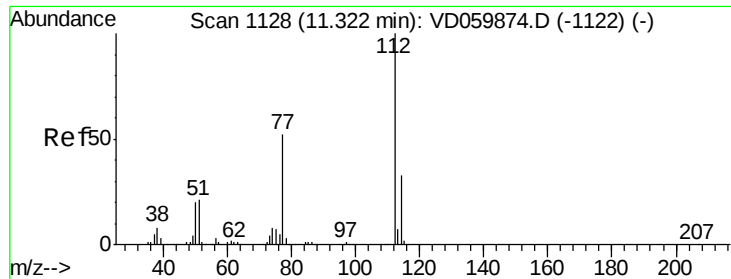
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





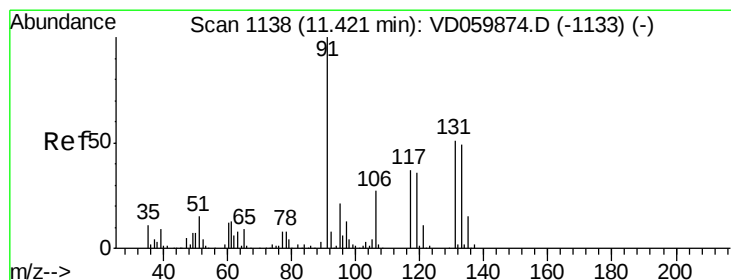
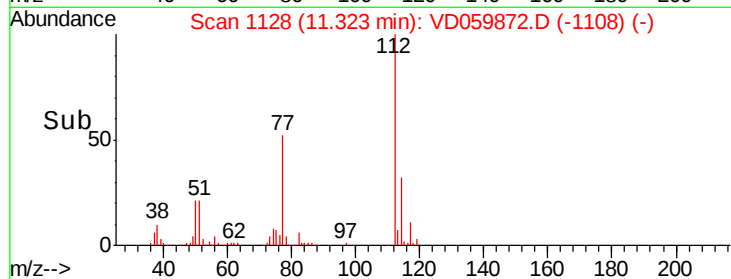
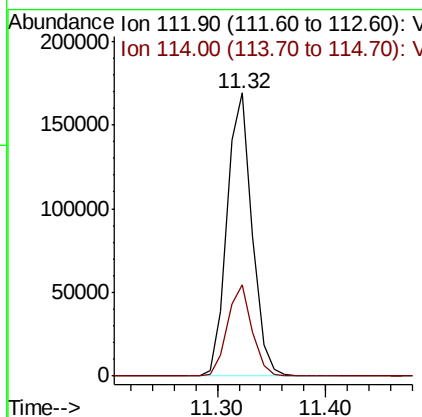
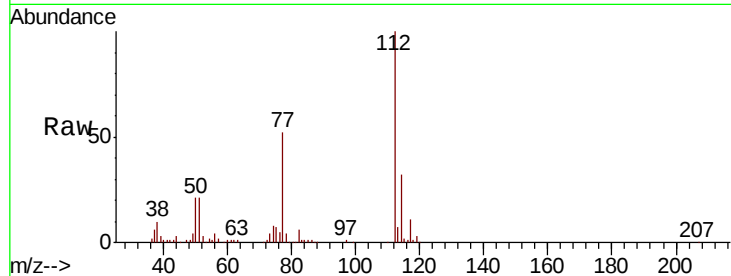
#65
Chlorobenzene
Concen: 10.01 ug/l
RT: 11.32 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.4	39.6

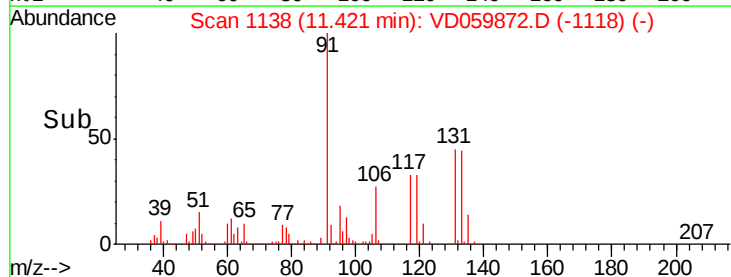
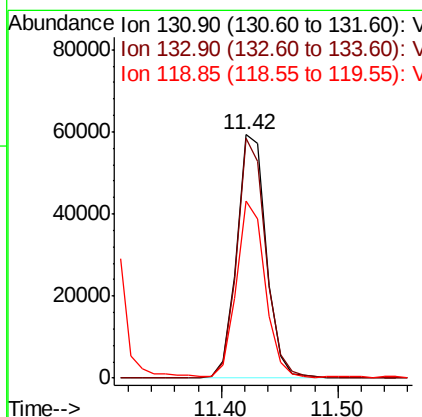
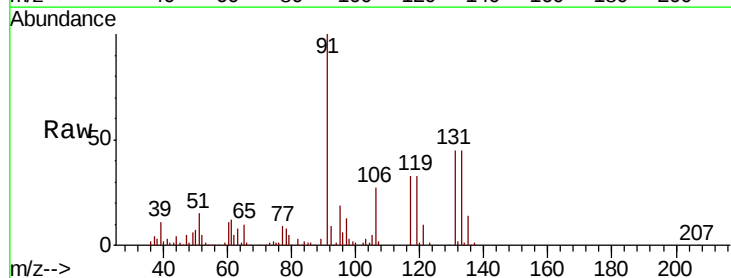
Manual Integrations
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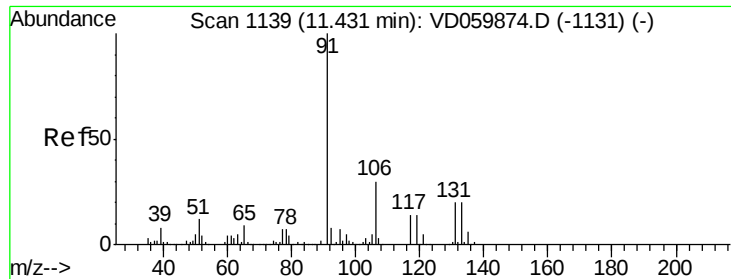
apatel
8/23/2018 10:52:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 10.54 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.5	48.3	144.8
119	72.8	35.4	106.3





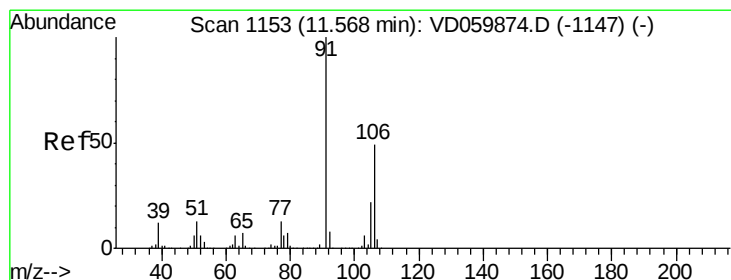
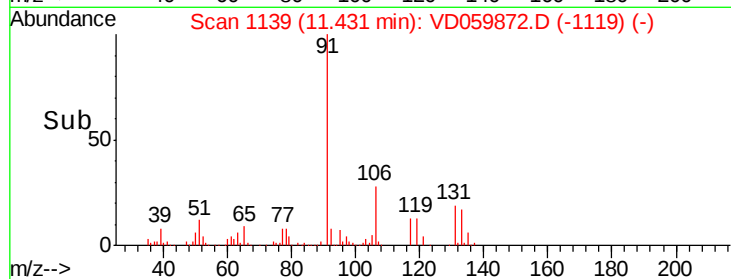
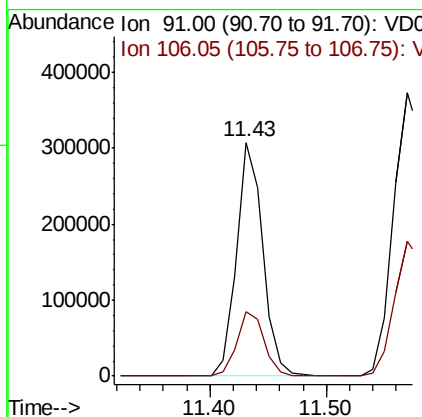
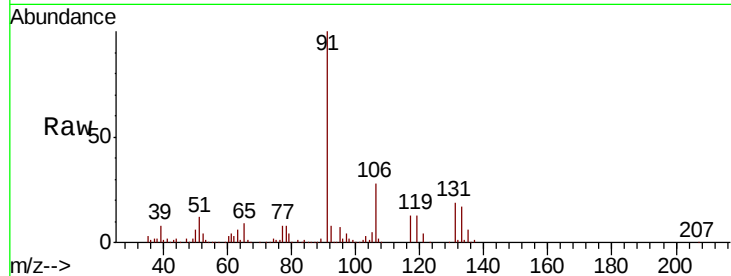
#67
Ethyl Benzene
Concen: 10.79 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 479933
Ion Ratio Lower Upper
91 100
106 27.8 23.8 35.8

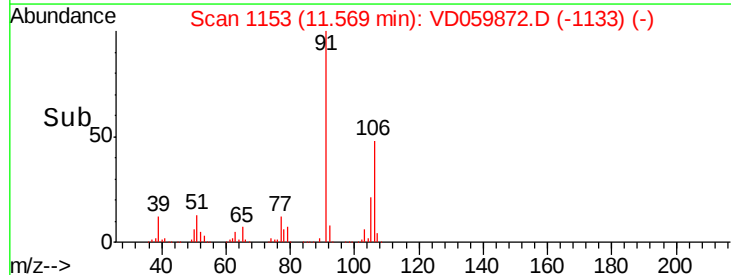
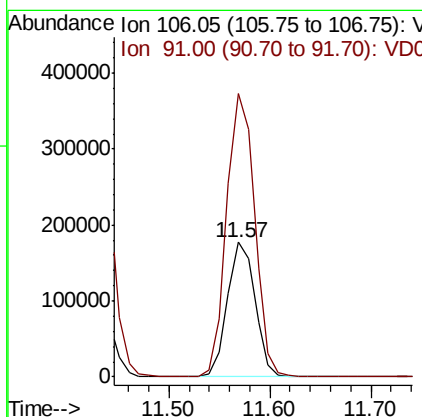
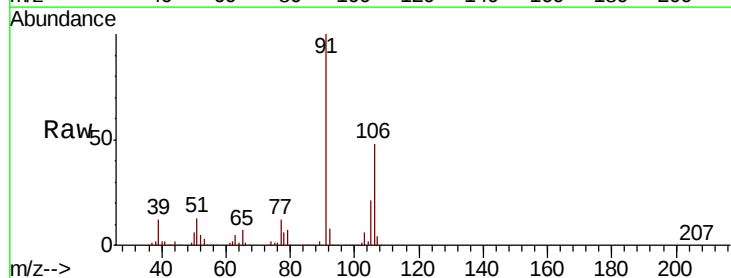
Manual Integrations
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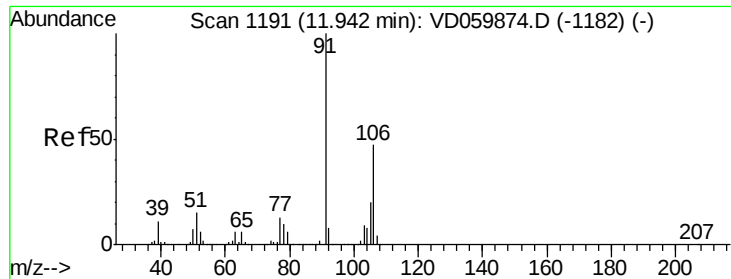
apatel
8/23/2018 10:52:33 AM



#68
m/p-Xylenes
Concen: 21.04 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion: 106 Resp: 337848
Ion Ratio Lower Upper
106 100
91 210.1 162.0 243.0





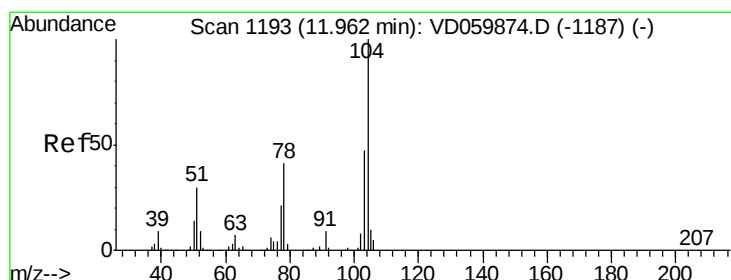
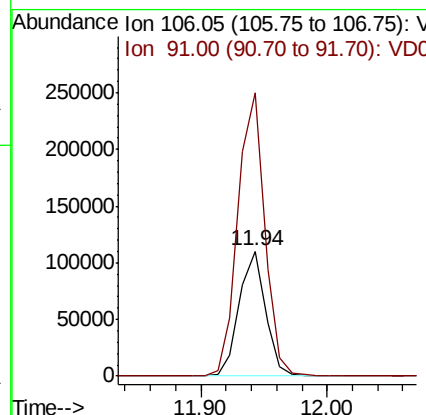
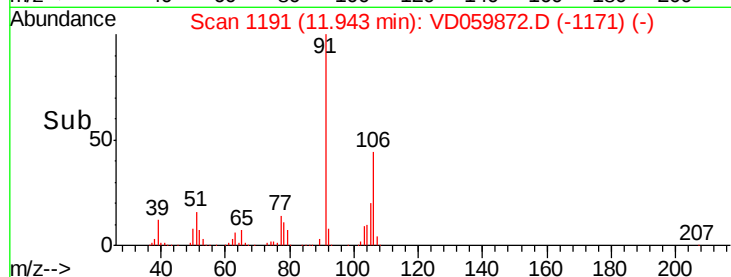
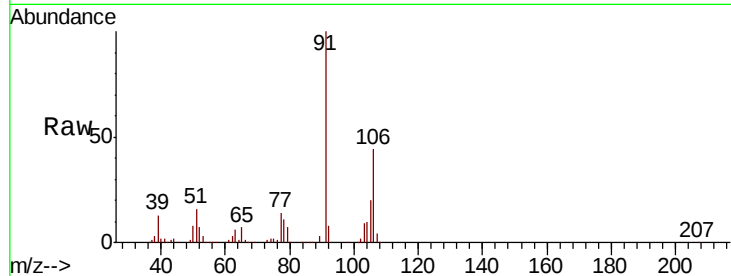
#69
o-Xylene
Concen: 10.08 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
106	100	158946		
91	226.2	107.3	322.0	

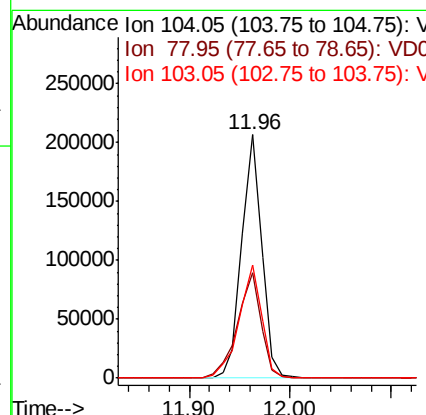
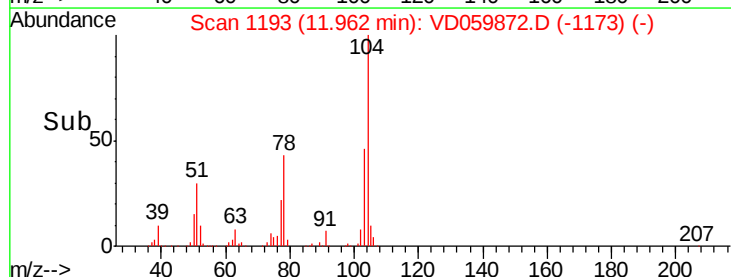
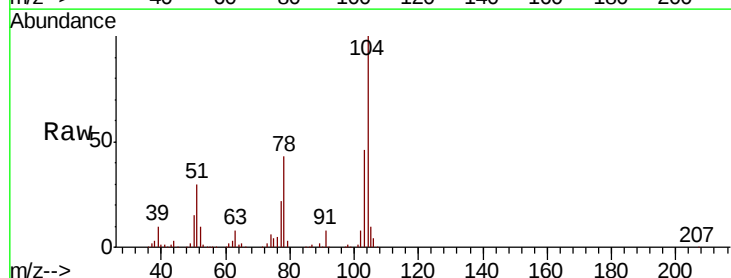
Manual Integrations
APPROVED

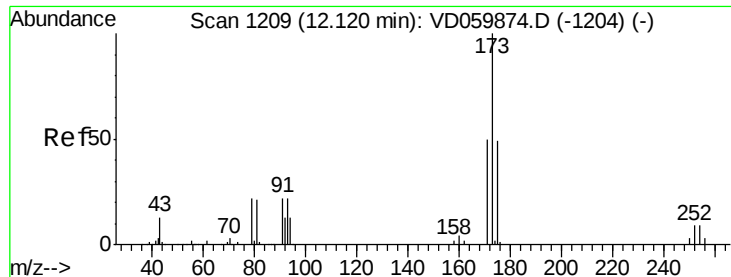
apatel
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#70
Styrene
Concen: 10.48 ug/l
RT: 11.96 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	287095		
78	43.3	32.6	49.0	
103	46.2	37.7	56.5	





#71

Bromoform

Concen: 9.75 ug/l

RT: 12.12 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

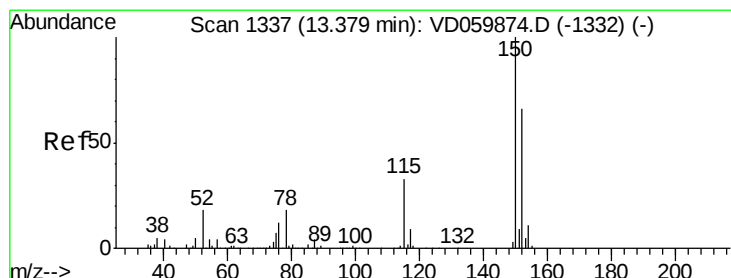
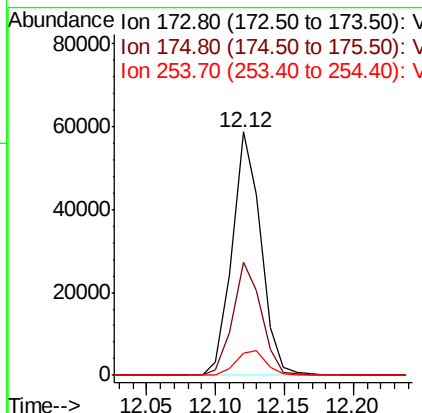
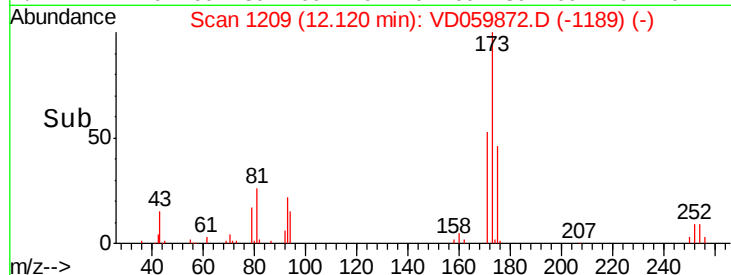
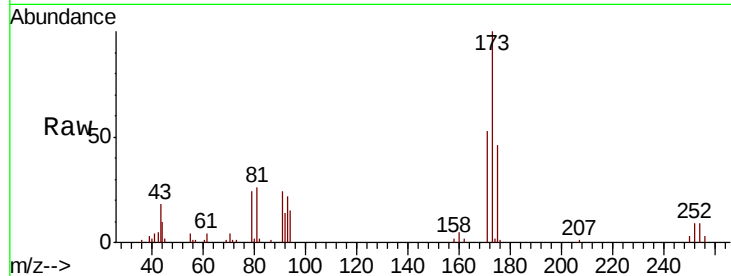
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	24.3	73.0
254	9.4	7.0	10.6

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

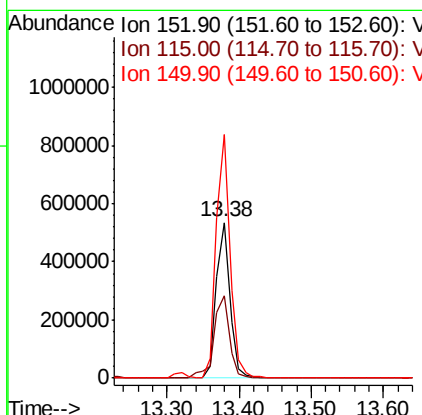
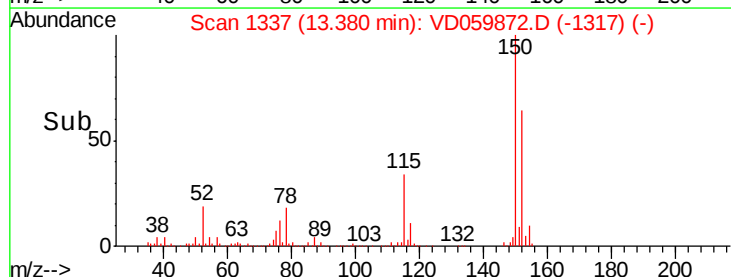
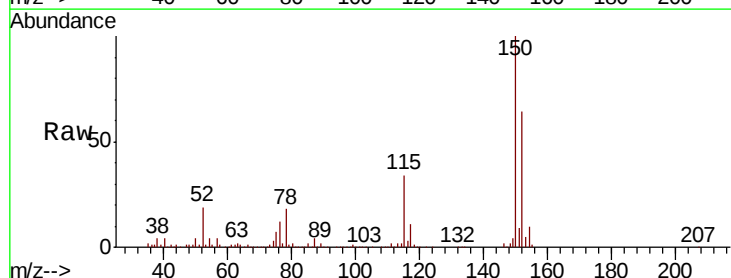
RT: 13.38 min Scan# 1337

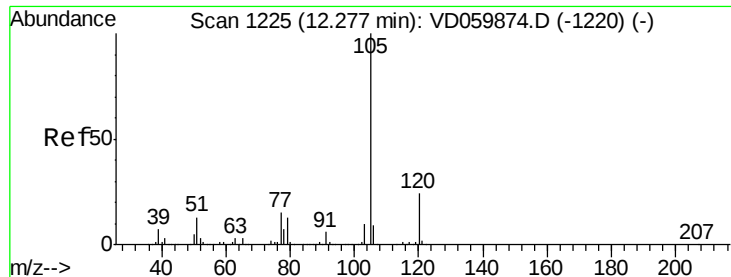
Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.7	25.7	77.0
150	156.3	0.0	310.2





#73

Isopropylbenzene

Concen: 10.47 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 457510

Ion Ratio Lower Upper

105 100

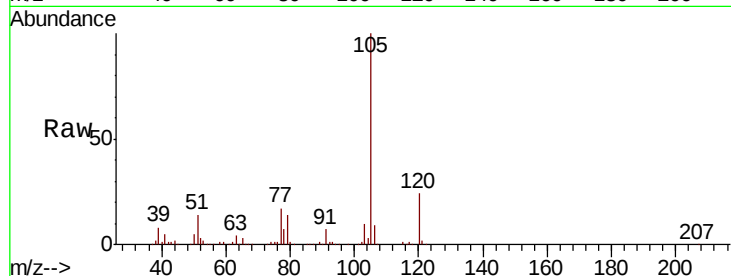
120 23.6 11.8 35.4

Manual Integrations

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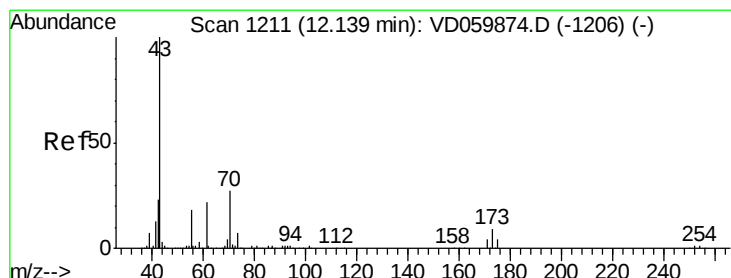
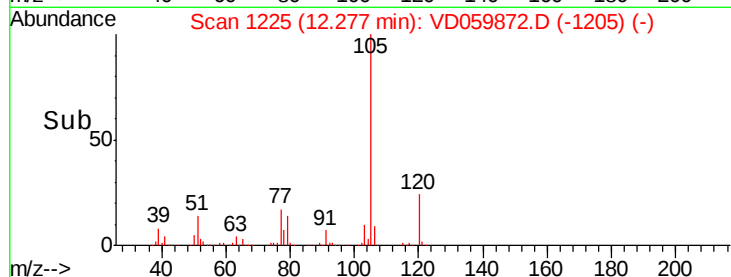
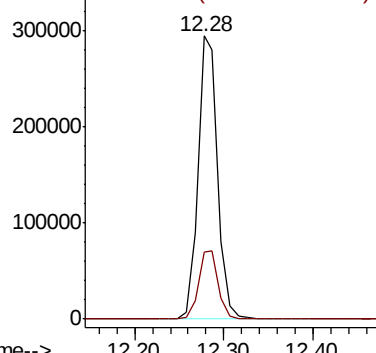
apatel

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 10.24 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Tgt Ion: 43 Resp: 200042

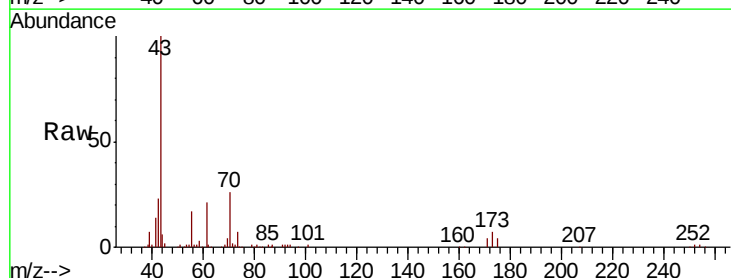
Ion Ratio Lower Upper

43 100

70 26.0 21.4 32.2

55 16.8 14.1 21.1

61 21.1 17.8 26.8

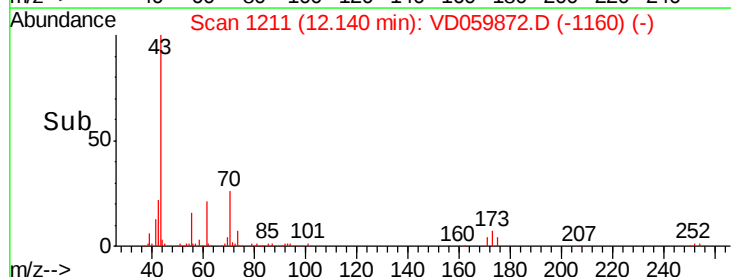
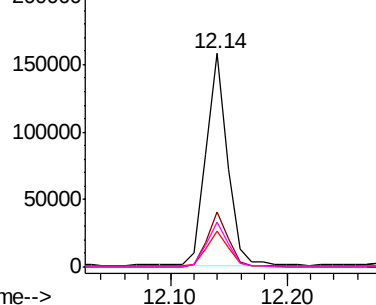


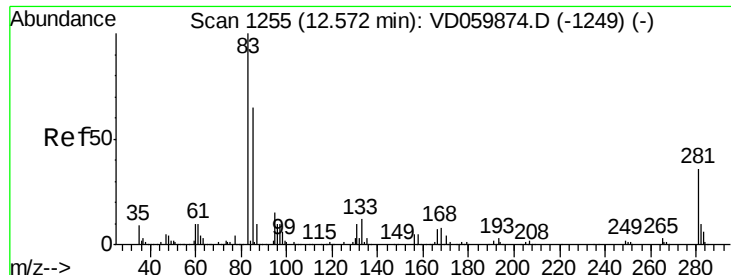
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 10.21 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 102602

Ion Ratio Lower Upper

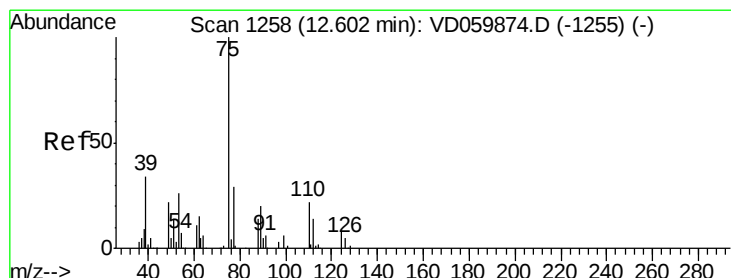
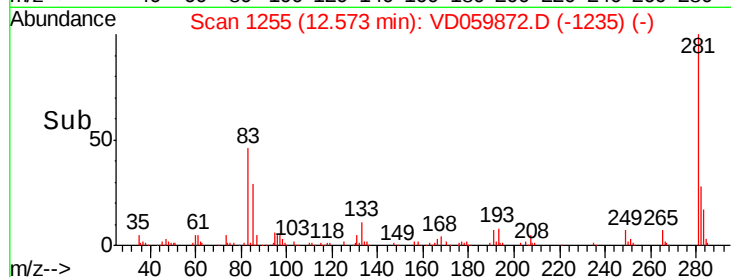
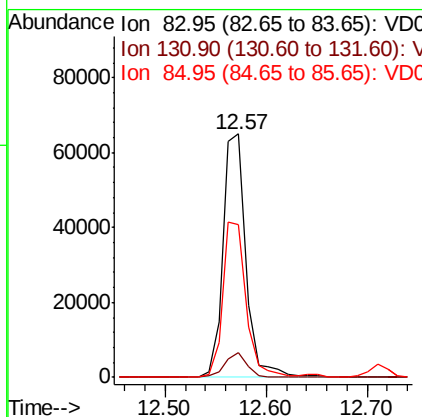
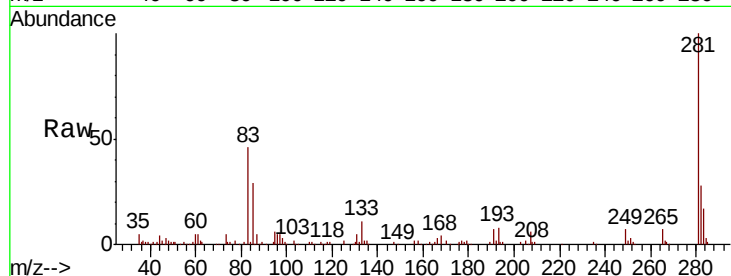
83 100

131 10.2 4.8 14.4

85 62.7 32.6 97.8

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#76

1,2,3-Trichloropropane

Concen: 10.22 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VD059872.D

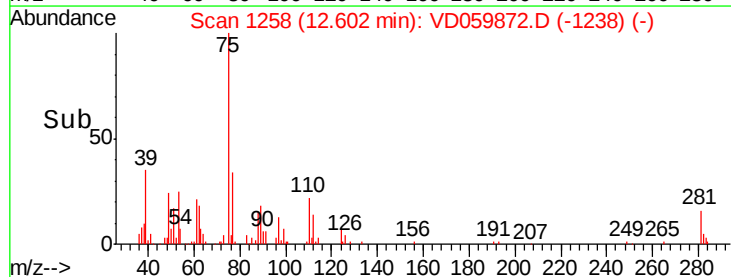
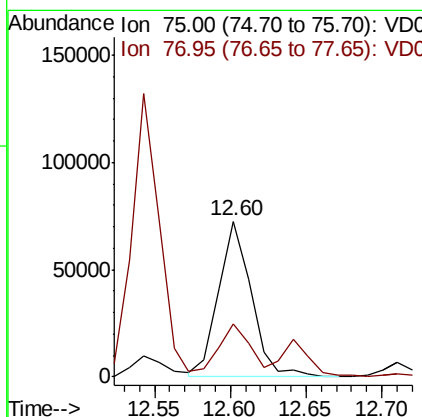
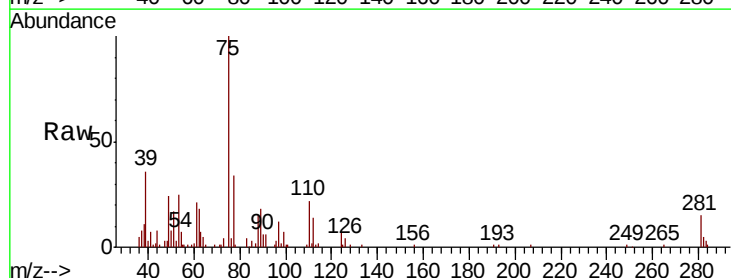
Acq: 22 Aug 2018 13:12

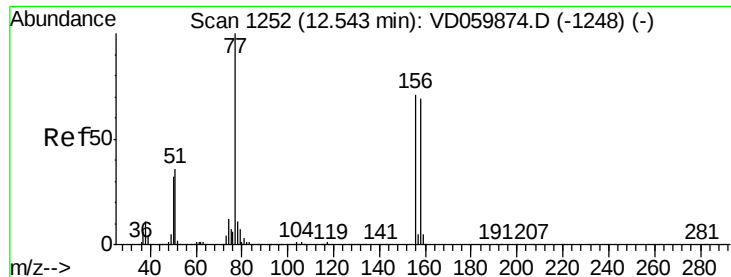
Tgt Ion: 75 Resp: 110554

Ion Ratio Lower Upper

75 100

77 33.8 16.4 49.2





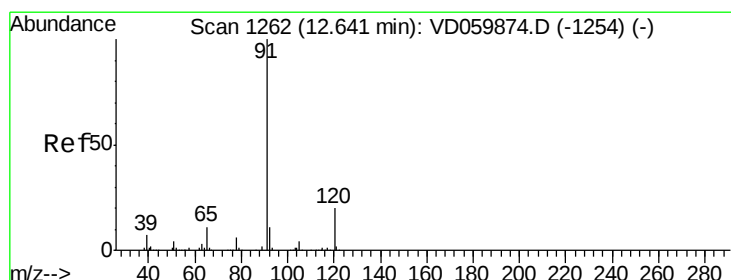
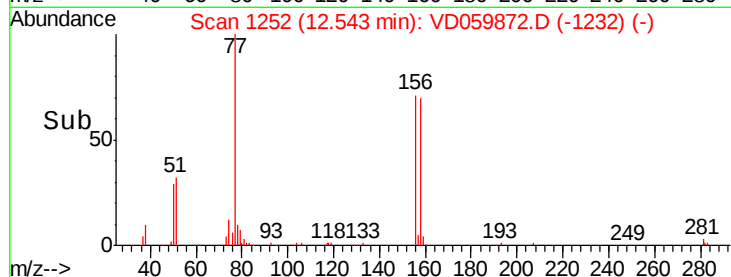
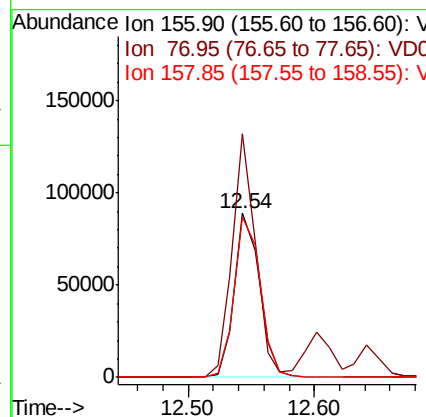
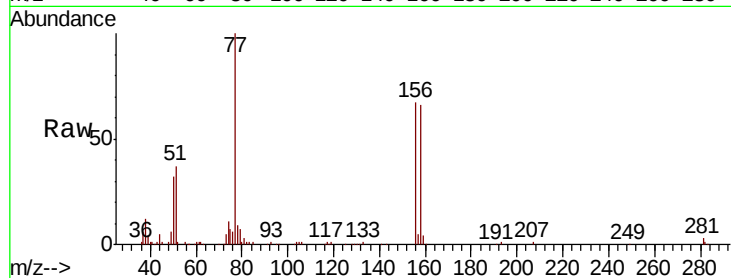
#77
Bromobenzene
Concen: 10.11 ug/l
RT: 12.54 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.7	70.2	210.4
158	97.8	48.4	145.2

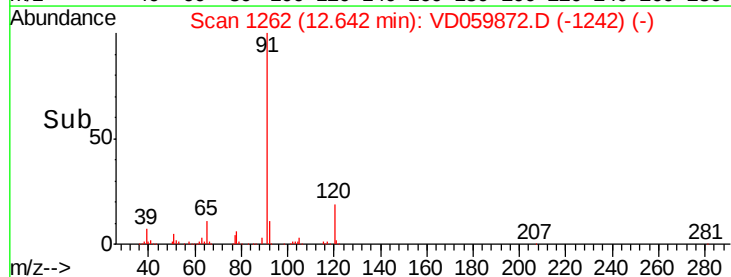
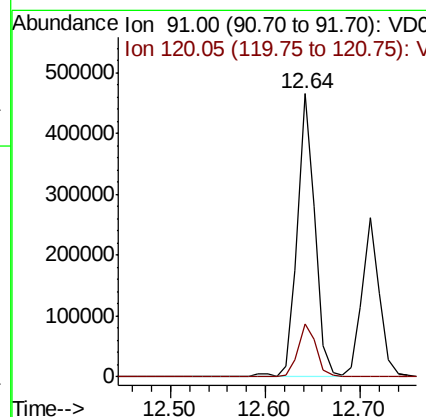
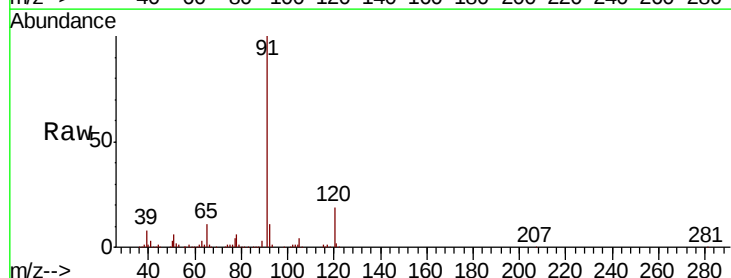
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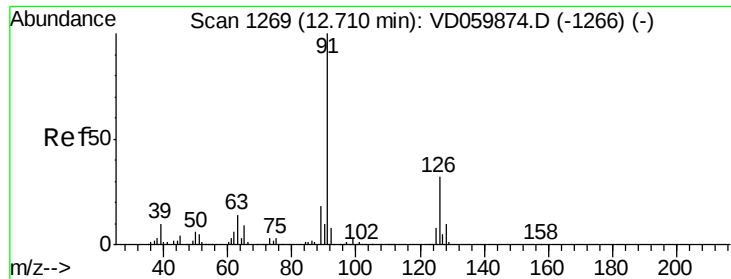
apatel
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#78
n-propylbenzene
Concen: 11.00 ug/l
RT: 12.64 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	18.7	10.1	30.3





#79

2-Chlorotoluene

Concen: 10.68 ug/l

RT: 12.71 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 330444

Ion Ratio Lower Upper

91 100

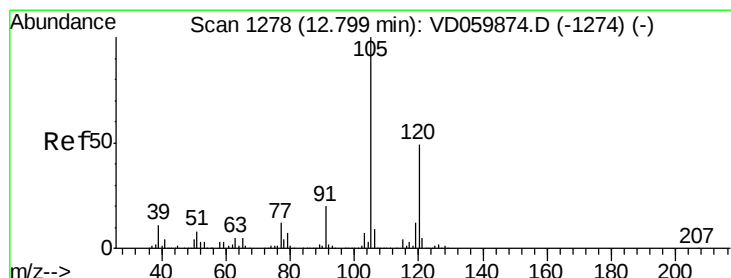
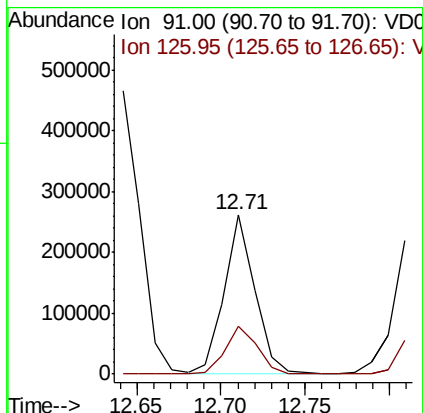
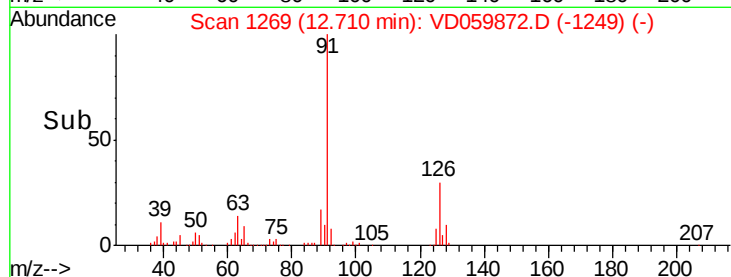
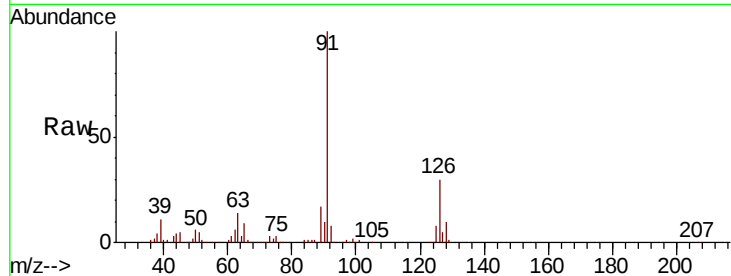
126 30.4 16.1 48.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 11.16 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VD059872.D

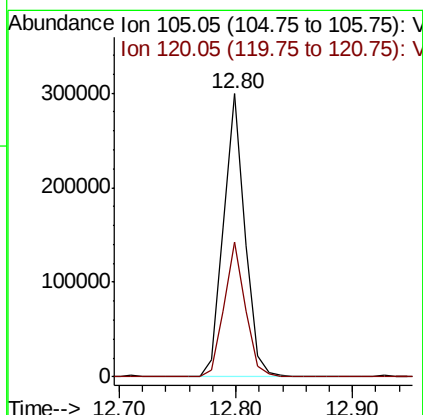
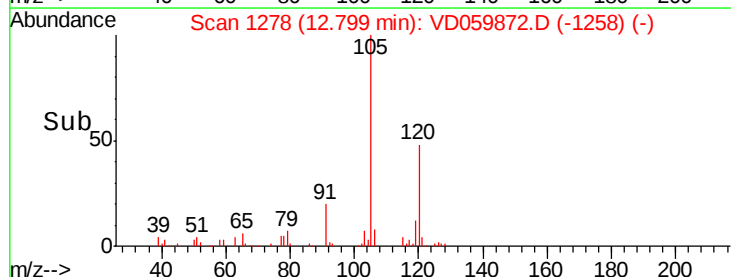
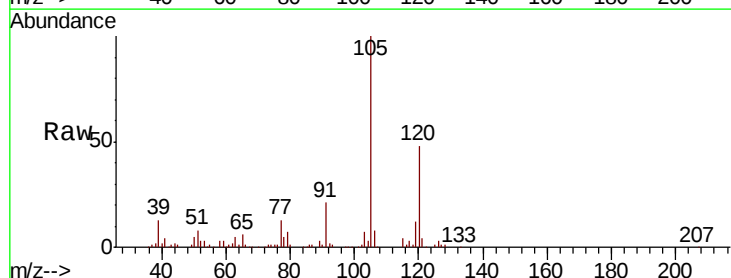
Acq: 22 Aug 2018 13:12

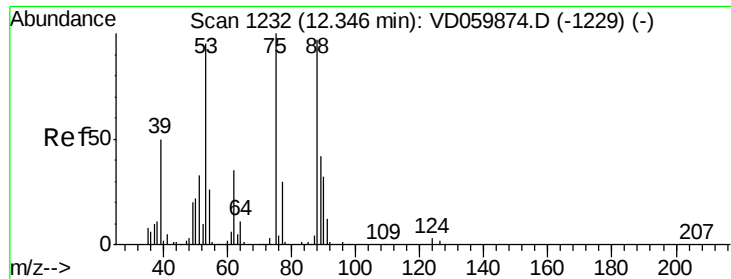
Tgt Ion: 105 Resp: 379232

Ion Ratio Lower Upper

105 100

120 47.8 24.5 73.5





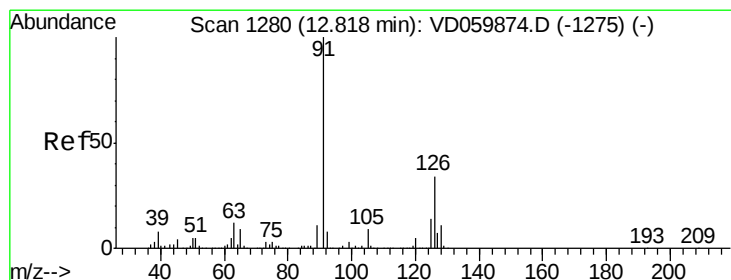
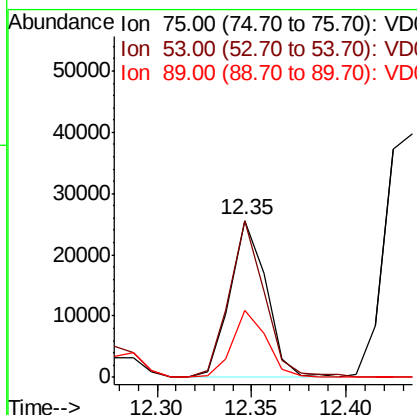
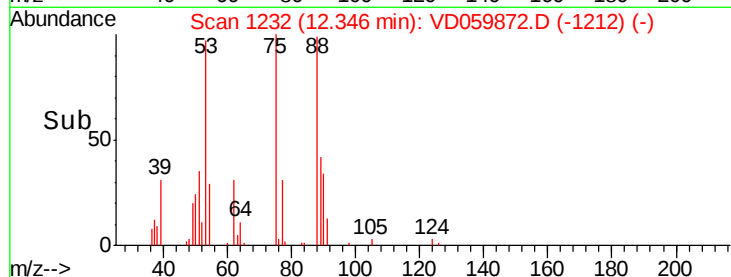
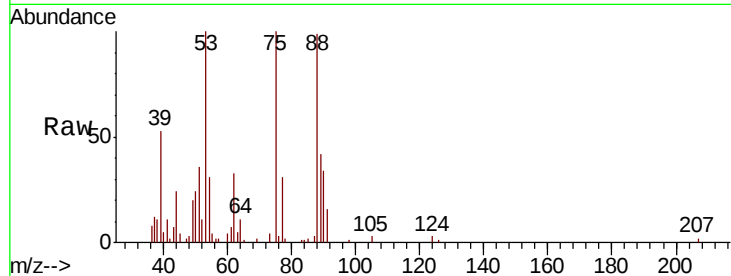
#81
trans-1,4-Dichloro-2-butene
Concen: 10.18 ug/l
RT: 12.35 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.6	75.8	113.6
89	42.5	33.6	50.4

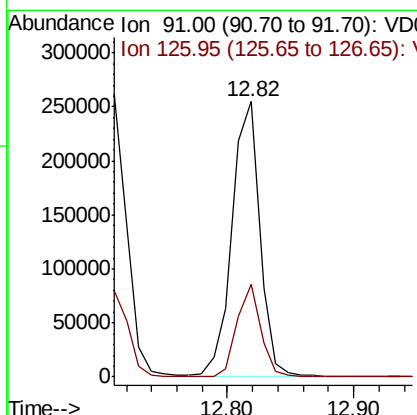
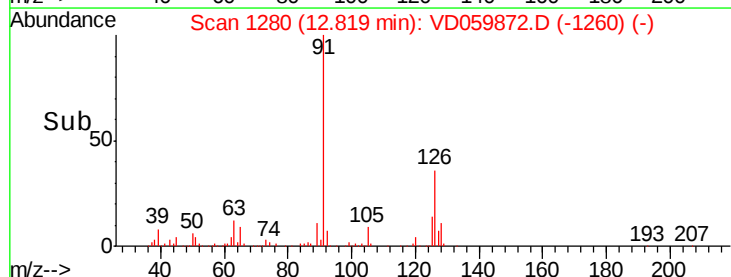
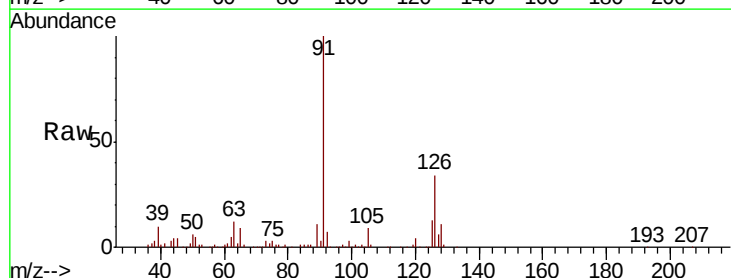
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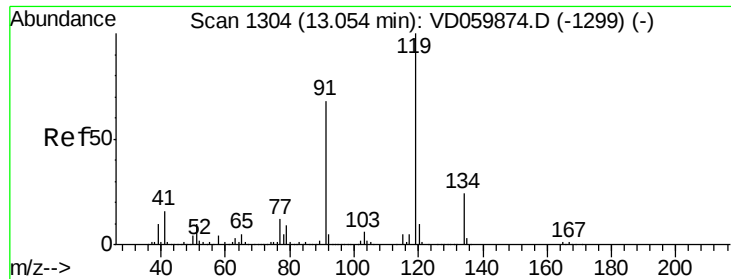
apatel
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#82
4-Chlorotoluene
Concen: 11.18 ug/l
RT: 12.82 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.2





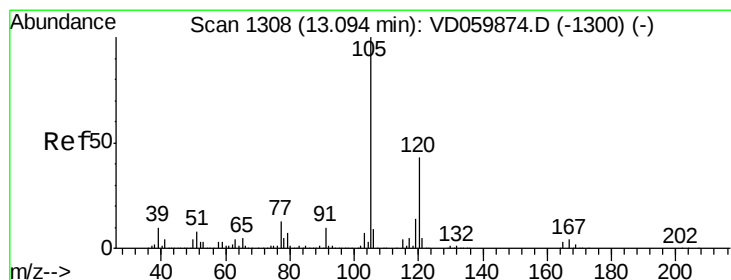
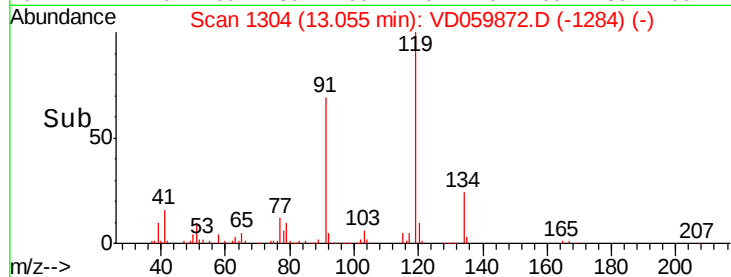
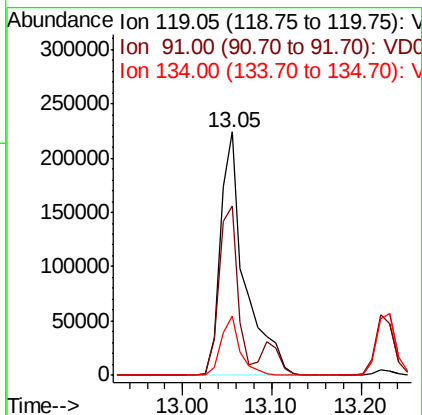
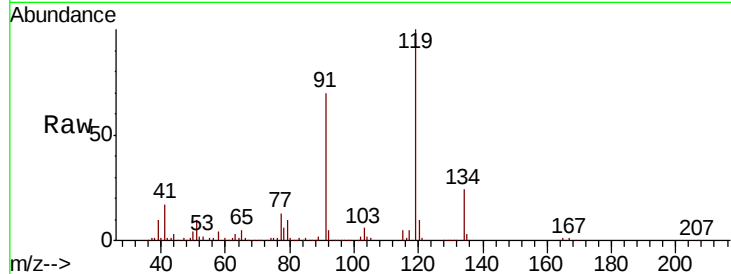
#83
 tert-Butylbenzene
 Concen: 10.84 ug/l
 RT: 13.05 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.6	34.3	102.9
134	24.2	11.9	35.9

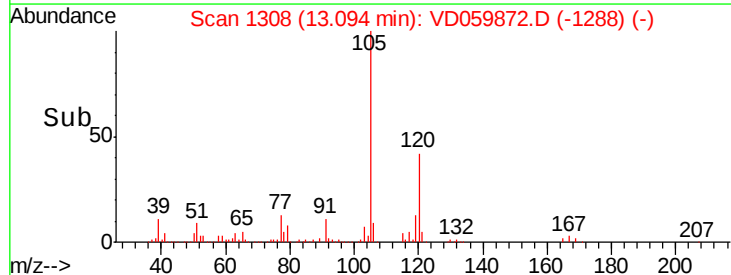
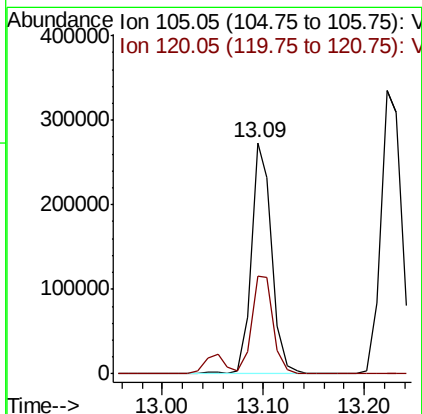
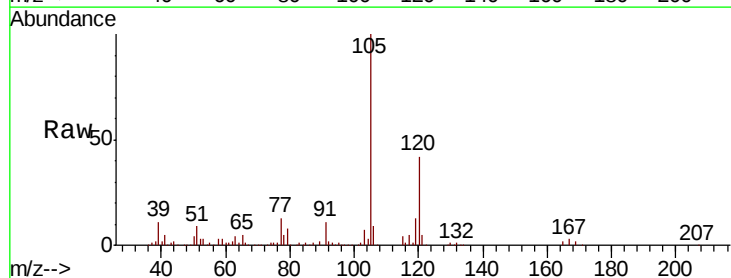
Manual Integrations
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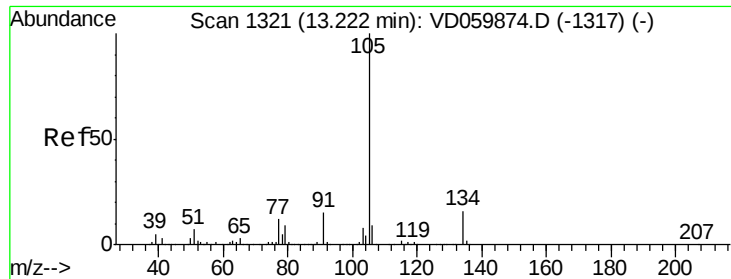
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.78 ug/l
 RT: 13.09 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.3	21.8	65.3





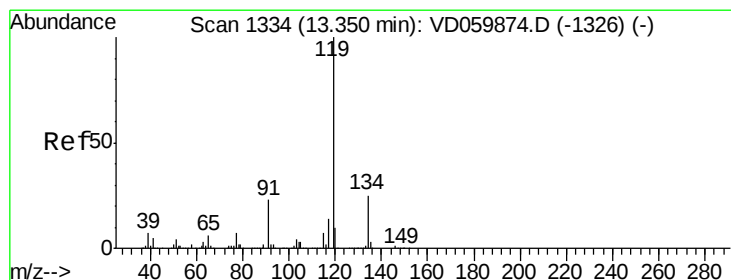
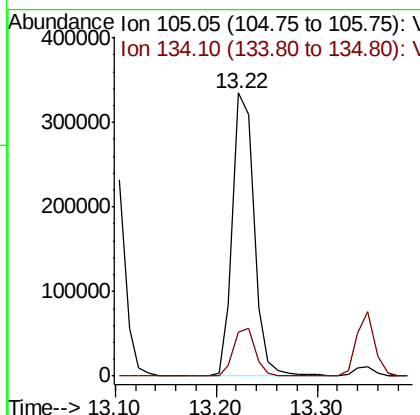
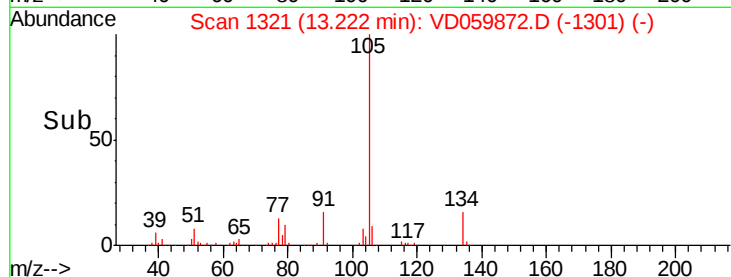
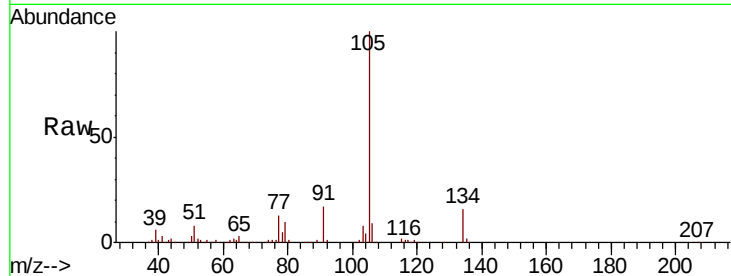
#85
 sec-Butylbenzene
 Concen: 10.74 ug/l
 RT: 13.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	496727		
134	15.8	8.2	24.4	

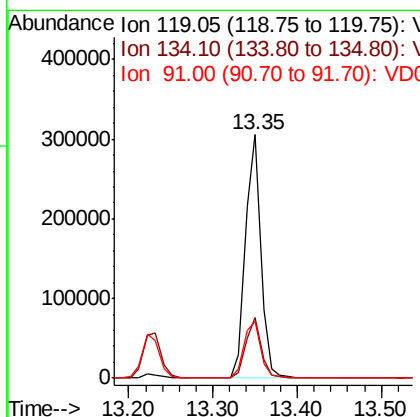
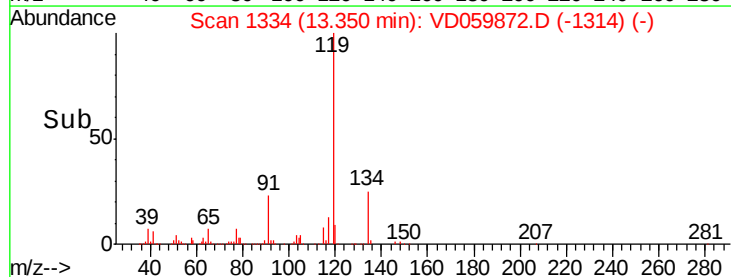
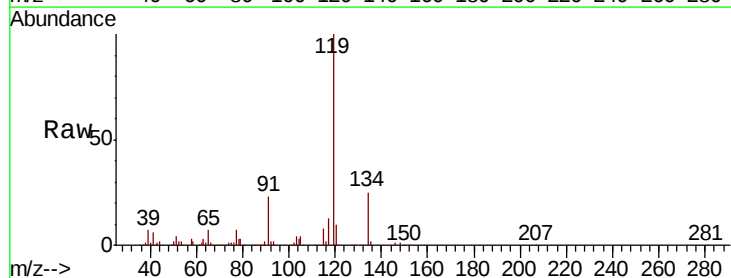
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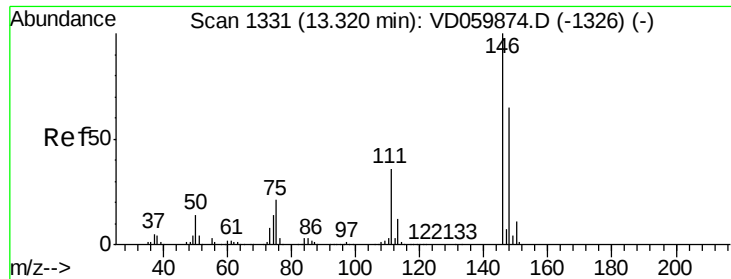
apatel
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#86
 p-Isopropyltoluene
 Concen: 10.46 ug/l
 RT: 13.35 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	391359		
134	24.9	12.7	38.1	
91	23.4	11.7	35.0	





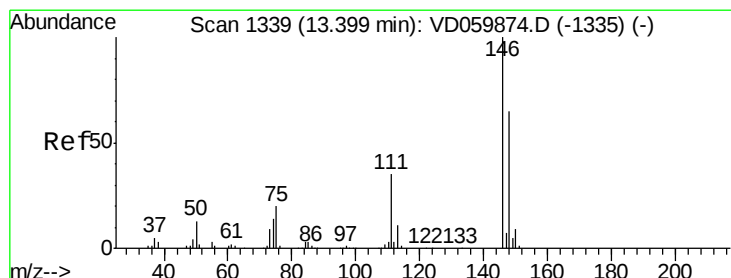
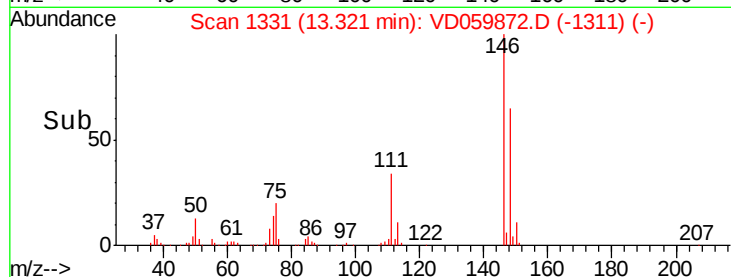
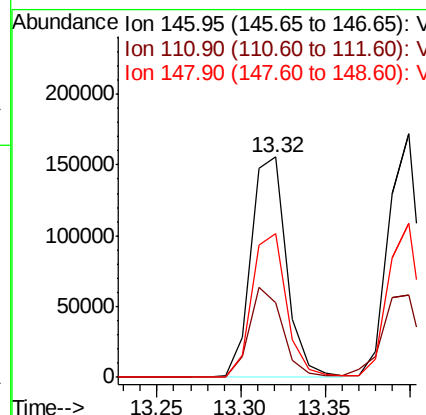
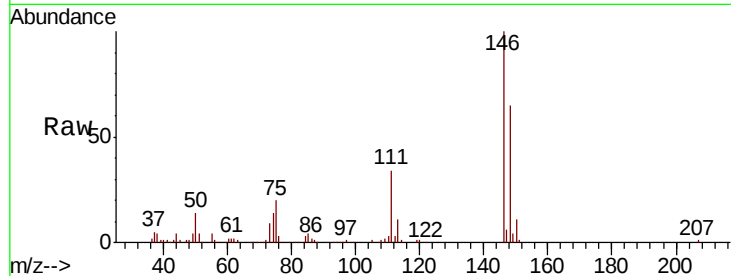
#87
 1,3-Dichlorobenzene
 Concen: 10.56 ug/l
 RT: 13.32 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.8	17.9	53.7
148	65.2	32.4	97.0

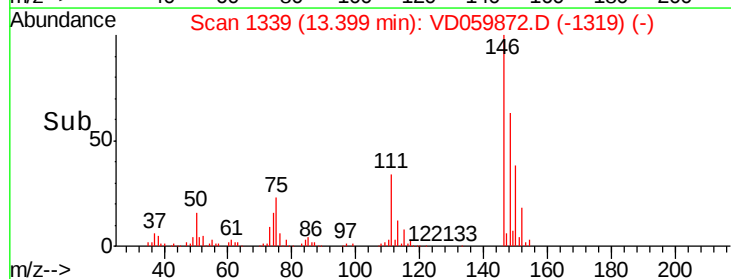
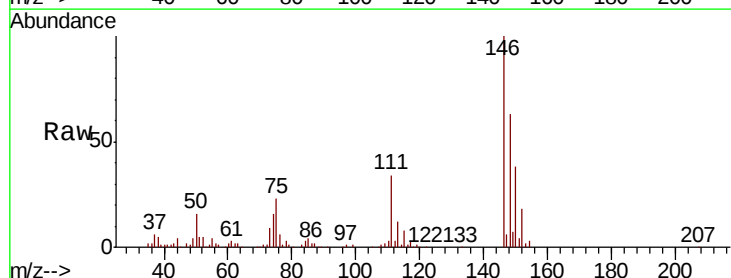
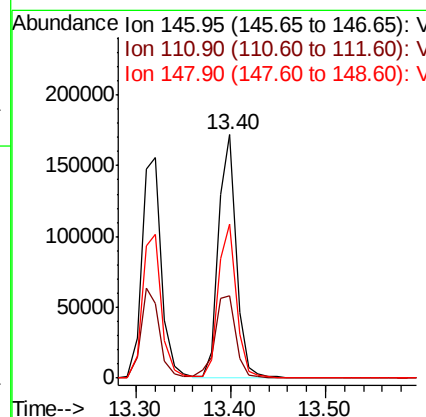
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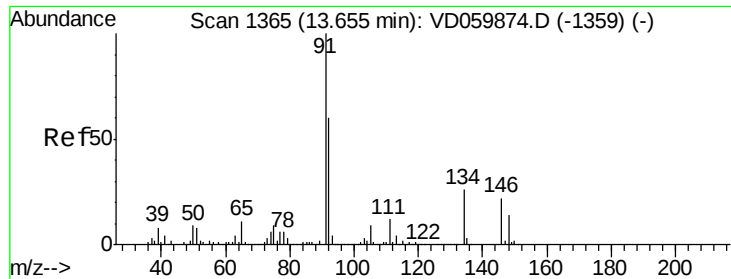
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 10.54 ug/l
 RT: 13.40 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.6	17.5	52.6
148	63.4	32.5	97.5





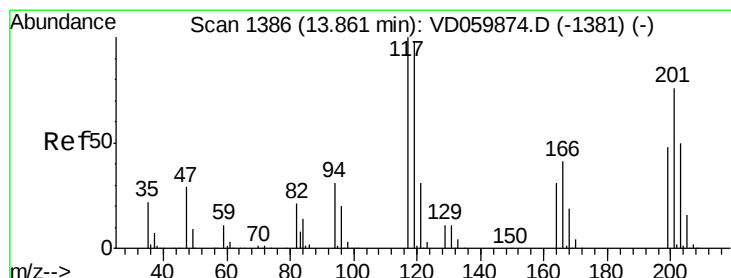
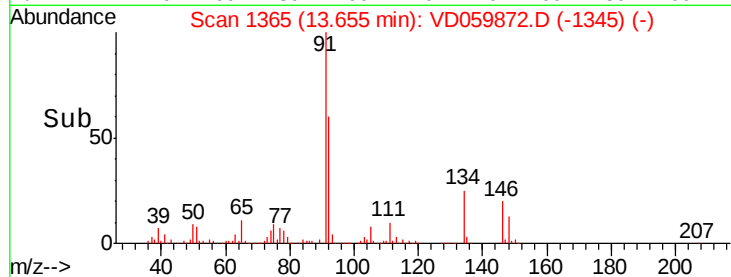
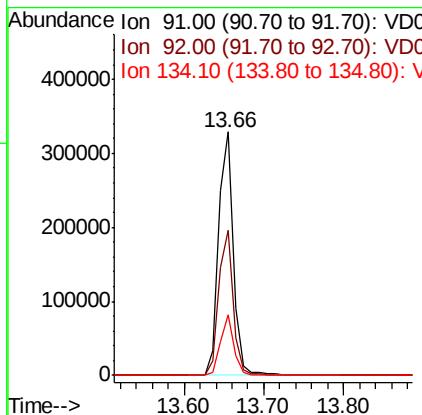
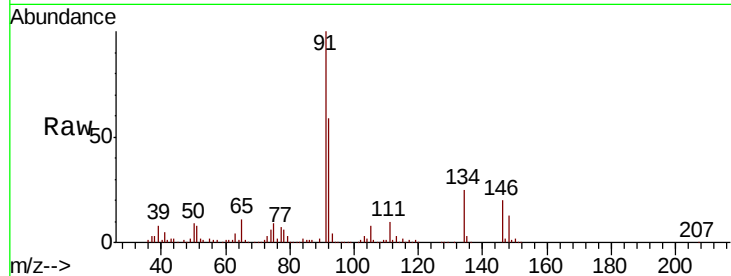
#89
n-Butylbenzene
Concen: 11.79 ug/l
RT: 13.66 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	59.5	30.0	90.1	
134	24.9	12.8	38.4	

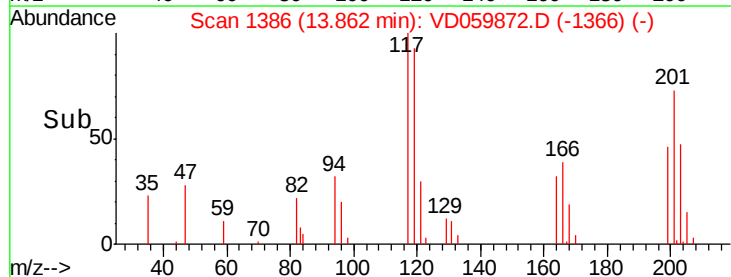
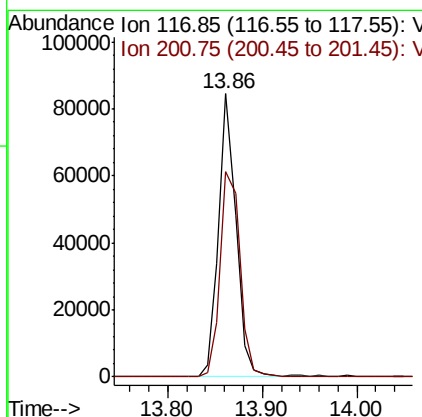
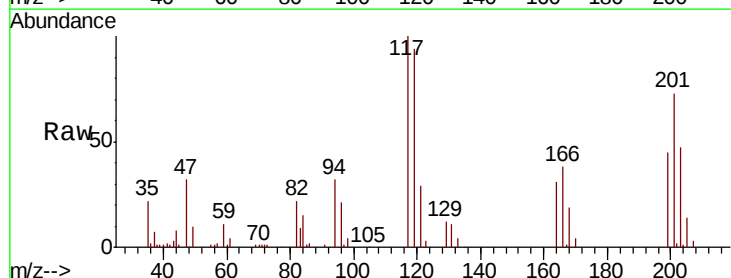
Manual Integrations
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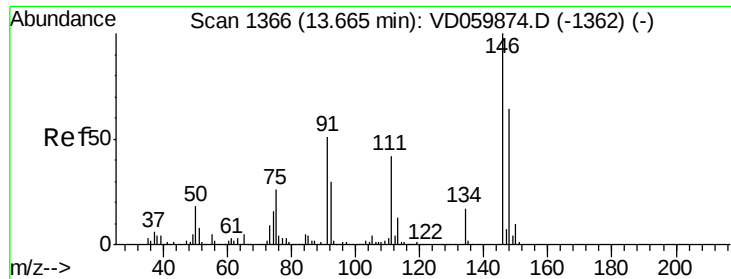
apatel
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#90
Hexachloroethane
Concen: 10.73 ug/l
RT: 13.86 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	72.6	38.1	114.5	





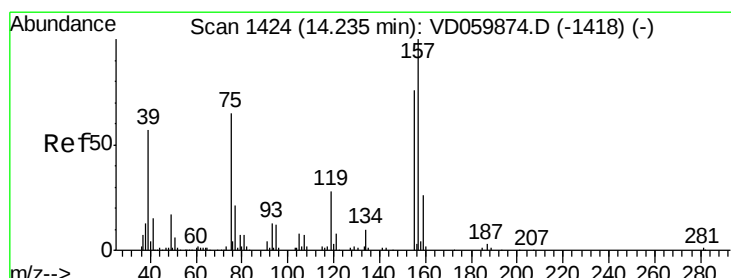
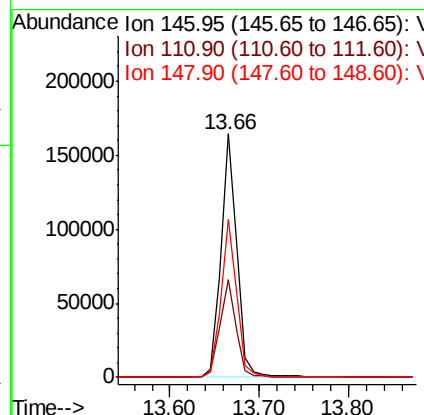
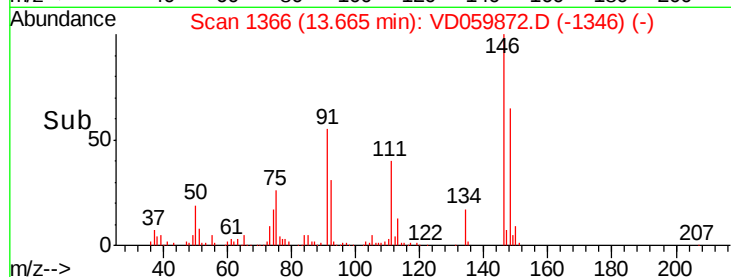
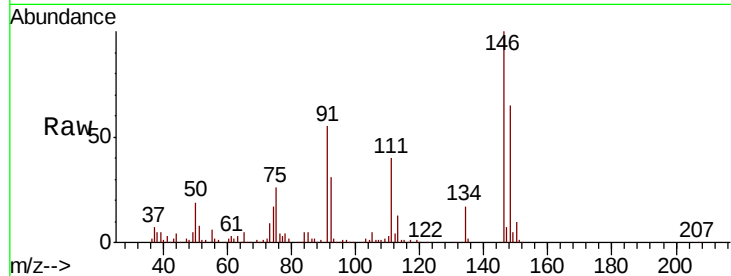
#91
 1,2-Dichlorobenzene
 Concen: 11.35 ug/l
 RT: 13.66 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.1	63.1
148	64.8	32.2	96.6

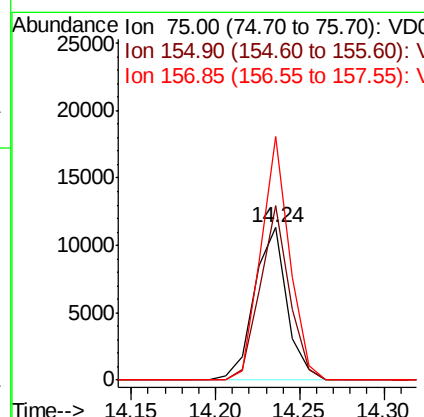
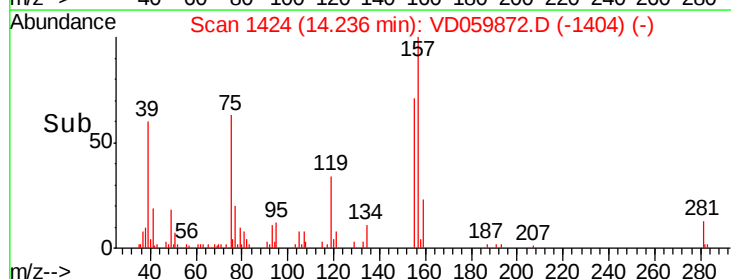
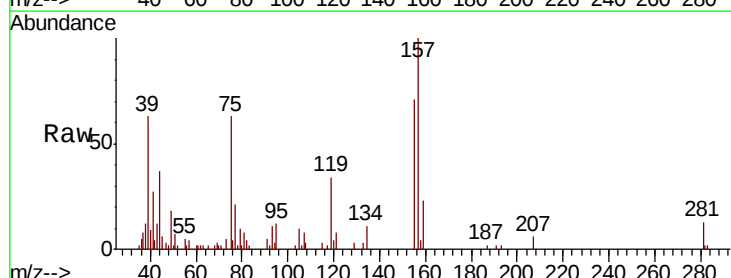
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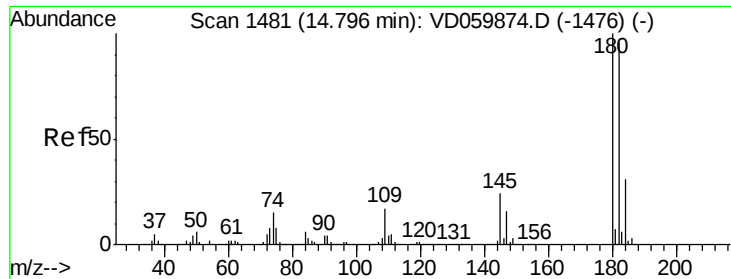
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.57 ug/l
 RT: 14.24 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	114.1	58.2	174.6
157	159.6	76.8	230.4





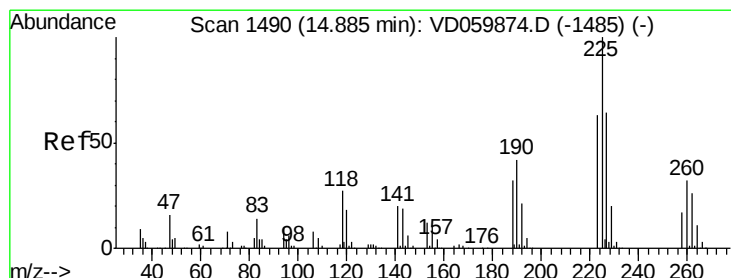
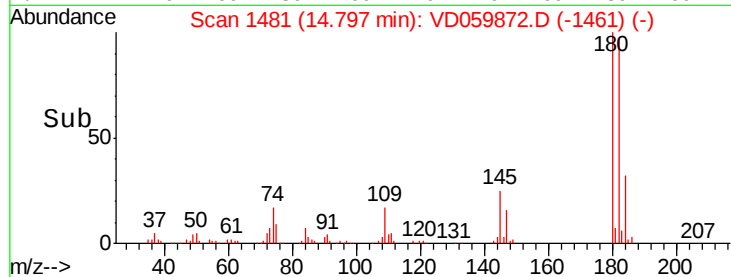
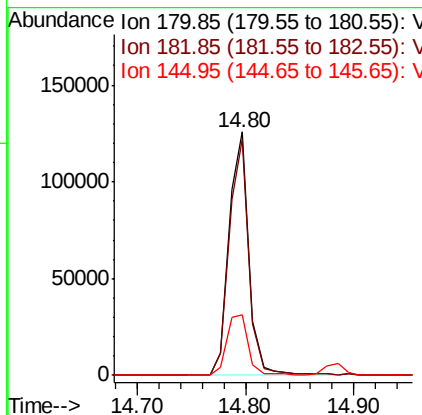
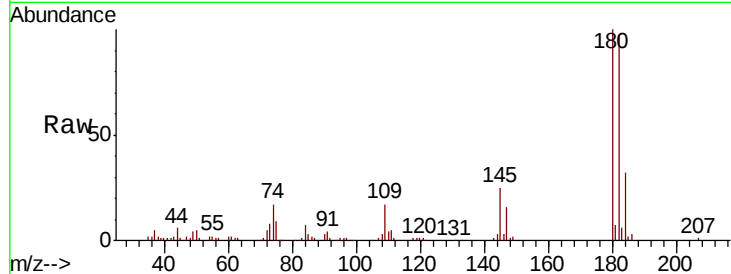
#93
 1,2,4-Trichlorobenzene
 Concen: 10.49 ug/l
 RT: 14.80 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	161679		
182	96.7	47.9	143.7	
145	24.8	12.2	36.4	

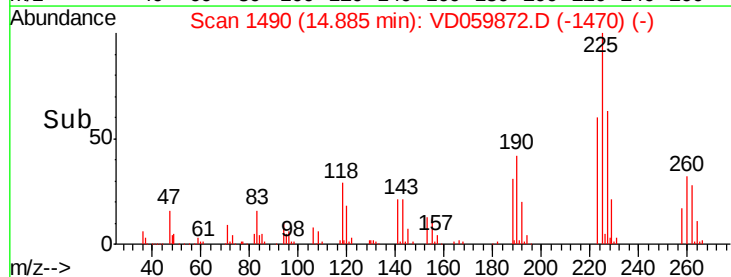
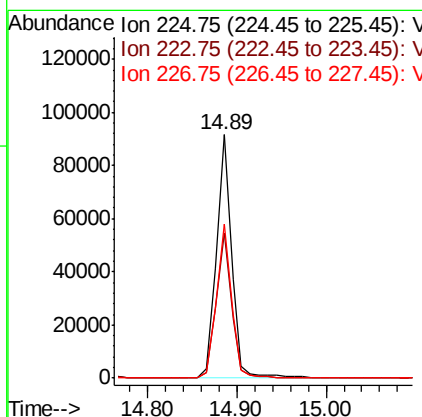
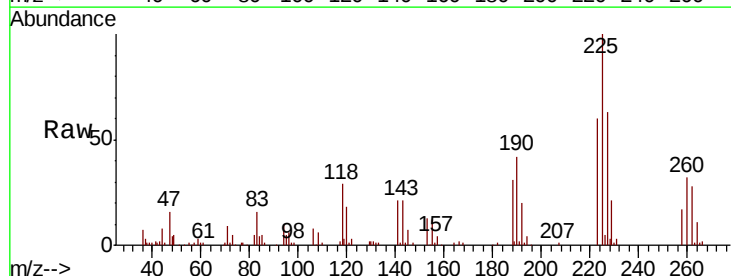
Manual Integrations
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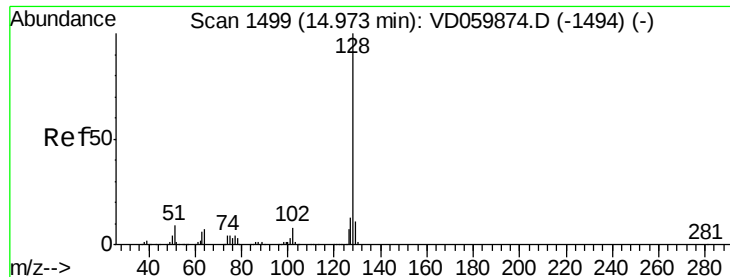
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#94
 Hexachlorobutadiene
 Concen: 10.67 ug/l
 RT: 14.89 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	109154		
223	59.5	31.6	94.8	
227	63.4	32.0	96.0	





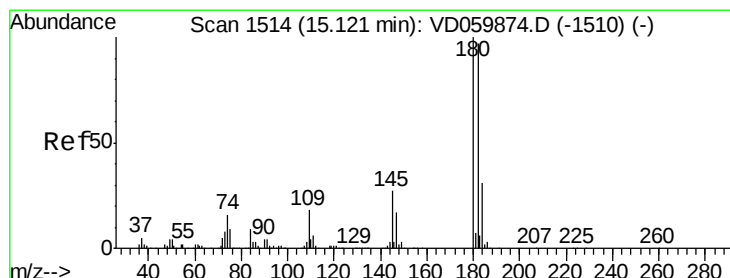
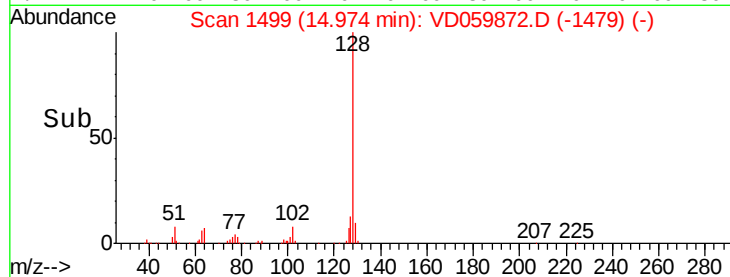
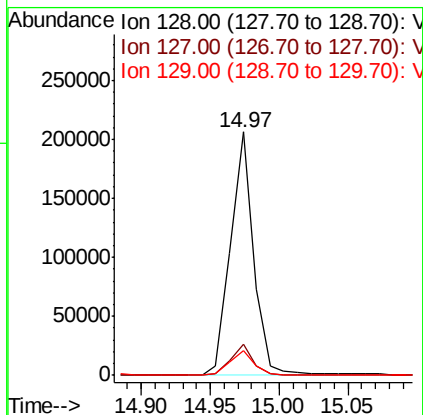
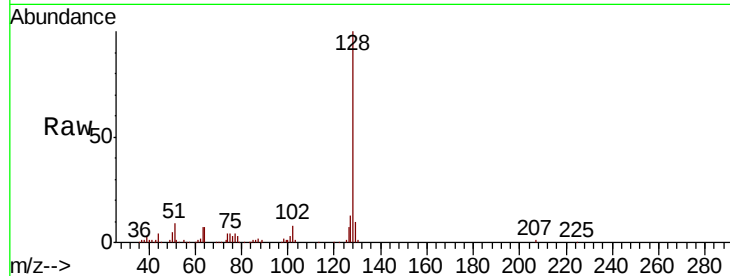
#95
Naphthalene
Concen: 9.87 ug/l
RT: 14.97 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	10.0	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 10.28 ug/l
RT: 15.12 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.6	145.8
145	25.6	13.6	40.8

